

Encyclopedia of Traditional Chinese Medicines - Molecular Structures, Pharmacological Activities, Natural Sources and Applications

Vol. 2: Isolated Compounds D-G

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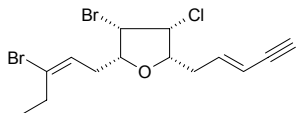
Volume 2 Isolated Compounds (D-G)

D

4595 Dactylyne

$C_{14}H_{17}Br_2ClO$ (396.55). mp 62–63°C, $[\alpha]_D^{25} = -38.2^\circ$ ($c = 0.19$, $CHCl_3$).

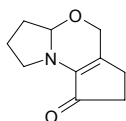
Source: *Laurencia* sp., *Aplysia dactylomela*. Ref: 2306.



4596 Daechu alkaloid A

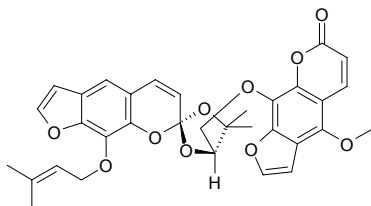
$C_{10}H_{13}NO_2$ (179.22). Source: WU CI ZAO *Ziziphus jujuba* var. *inermis*.

Ref: 660.



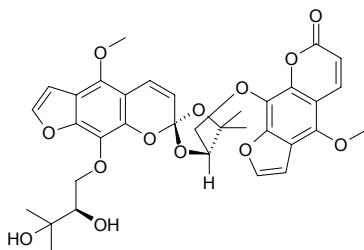
4597 Dahuribirin A

$C_{33}H_{30}O_{10}$ (586.60). Colorless viscous oil, $[\alpha]_D^{28} = -3.6^\circ$ ($c = 0.48$, dioxane). Source: BAI ZHI *Angelica dahurica* [Syn. *Angelica porphyrocaulis*]. Ref: 4118.



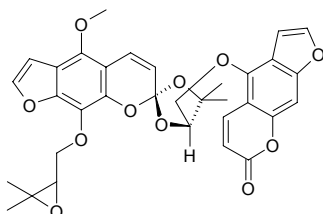
4598 Dahuribirin B

$C_{34}H_{34}O_{13}$ (650.64). Colorless viscous oil, $[\alpha]_D^{30} = -4.6^\circ$ ($c = 0.59$, dioxane). Source: BAI ZHI *Angelica dahurica* [Syn. *Angelica porphyrocaulis*]. Ref: 4118.



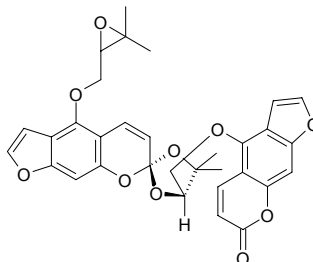
4599 Dahuribirin C

$C_{33}H_{30}O_{11}$ (602.60). Colorless viscous oil, $[\alpha]_D^{31} = +20.0^\circ$ ($c = 0.48$, dioxane). Source: BAI ZHI *Angelica dahurica* [Syn. *Angelica porphyrocaulis*]. Ref: 4118.



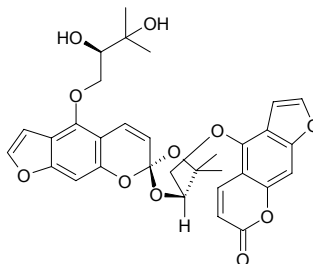
4600 Dahuribirin D

$C_{32}H_{28}O_{10}$ (572.57). Colorless viscous oil, $[\alpha]_D^{24} = -0.22^\circ$ ($c = 0.65$, dioxane). Source: BAI ZHI *Angelica dahurica* [Syn. *Angelica porphyrocaulis*]. Ref: 4118.



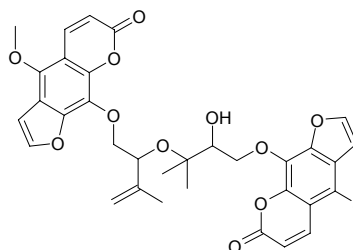
4601 Dahuribirin E

$C_{32}H_{30}O_{11}$ (590.59). Colorless viscous oil, $[\alpha]_D^{24} = +4.6^\circ$ ($c = 0.62$, dioxane). Source: BAI ZHI *Angelica dahurica* [Syn. *Angelica porphyrocaulis*]. Ref: 4118.



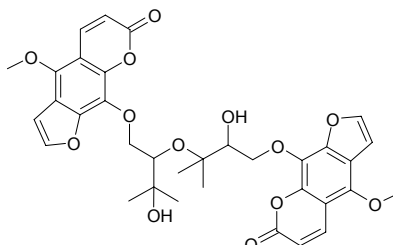
4602 Dahuribirin F

$C_{34}H_{32}O_{12}$ (632.63). Colorless viscous oil, $[\alpha]_D^{24} = -1.1^\circ$ ($c = 0.49$, dioxane). Source: BAI ZHI *Angelica dahurica* [Syn. *Angelica porphyrocaulis*]. Ref: 4118.



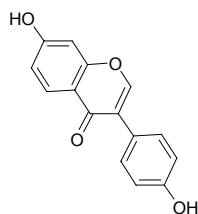
4603 Dahuribirin G

$C_{34}H_{34}O_{13}$ (650.64). Colorless viscous oil, $[\alpha]_D^{24} = +5.2^\circ$ ($c = 0.54$, dioxane). Source: BAI ZHI *Angelica dahurica* [Syn. *Angelica porphyrocaulis*]. Ref: 4118.

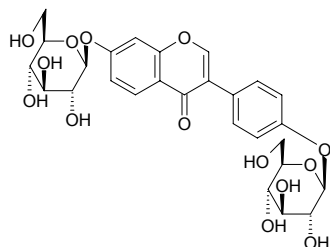


4604 Daidzein

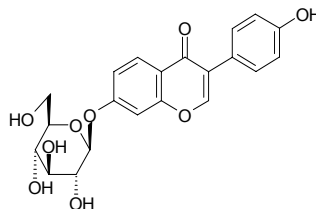
4',7-Dihydroxyisoflavone [486-66-8] C₁₅H₁₀O₄ (254.24). **Pharm:** Antifungal; antispasmodic (mus small intestine); CVS activity (enhances collateral circulation and oxygen consumption upon lack of blood in myocardium); estrogenic activity; increases coronary flow (narcosis dog); lipase inhibitor; anti-inflammatory (NO production inhibitor)^[4415]; cytotoxic (KB, IC₅₀ > 75 μmol/L, Helenalin, IC₅₀ = (0.64±0.08) μmol/L, Melphalan, IC₅₀ = (6.0±0.5) μmol/L; Mono-Mac-6, IC₅₀ > 75 μmol/L, Helenalin, IC₅₀ = (3.1±0.3) μmol/L; Jurkat-T, IC₅₀ > 75 μmol/L, Helenalin, IC₅₀ = (1.14±0.08) μmol/L, Melphalan, IC₅₀ = (9.1±0.8) μmol/L)^[5077]; antibacterial (*Staphylococcus aureus*, MIA = 1.00 μg, Chloramphenicol, MIA = 0.0001 μg; *Bacillus subtilis*, MIA = 5.00 μg, Chloramphenicol, MIA = 0.0001 μg)^[5247]; antifungal (*Candida mycoderma*, MIA = 0.05 μg, control Miconazole, MIA = 0.0001 μg)^[5247]; antioxidant (DPPH scavenger, TLC, MIA = 0.1 μg, IC₅₀ = 380 μg/mL; control Quercetin, MIA < 0.05 μg, IC₅₀ = 7 μg/mL, Gallic acid, MIA < 0.05 μg, IC₅₀ = 4 μg/mL; Ascorbic acid, MIA < 0.10 μg, IC₅₀ = 18 μg/mL)^[5247]. **Source:** DA DOU *Glycine max* (Soybean phytochemical concentrate: yield = 0.0058% dw)^[4630], E MEI GE *Pueraria omeiensis* (root: content = 0.055%)^[5508], FEN GE *Pueraria lobata* var. *thomsonii* (root: mean content of 2 origins = 0.035%)^[5508], GE GEN *Pueraria lobata* [Syn. *Pueraria thunbergiana*; *Pueraria pseudohirsuta*] (root: mean content of 10 origins = 0.137%)^[5508], HEI DA DOU *Glycine max*, HONG CHE ZHOU CAO *Trifolium pratense*, HUANG HUA MU *Piptanthus nepalensis*, HUANG MAO GE *Pueraria calycina* (root: content = 0.030%)^[5508], JI KUAN CI TONG *Erythrina latissima* (stem wood), MU XU *Medicago sativa*, SAN LIE YE GE *Pueraria phaseoloides* (root: content = 0.090%)^[5508], SAN XIAO CAO *Trifolium repens*, SHAN DOU GEN *Sophora subprostrata* [Syn. *Sophora tonkinensis*], SHI YONG GE *Pueraria edulis* (root: content = 0.063%)^[5508], SI TE WEN HUANG TAN *Dalbergia stevensonii*, YUN NAN GE TENG *Pueraria peduncularis* (root: content = 0.053%)^[5508], *Bituminaria morisiana* (leaf). **Ref:** 2, 4, 658, 660, 4415, 4630, 5077, 5247, 5508.

**4605 Daidzein 4',7-diglucoside**

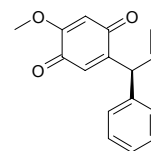
C₂₇H₃₀O₁₄ (578.53). **Source:** GE GEN *Pueraria lobata* [Syn. *Pueraria thunbergiana*; *Pueraria pseudohirsuta*] (root: mean content of 7 origins = 0.453%)^[5508], GAN GE TENG GEN *Pueraria thomsonii*. **Ref:** 2, 660, 5508.

**4606 Daidzin**

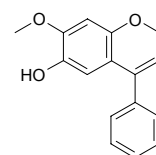
Daidzioside [552-66-9] C₂₁H₂₀O₉ (416.39). **Source:** DA DOU *Glycine max* (Soybean phytochemical concentrate: yield = 0.0074% dw)^[4630], E MEI GE *Pueraria omeiensis* (root: content = 1.0–5%)^[5508], FEN GE *Pueraria lobata* var. *thomsonii* (root: content = 1.51%)^[5508], GAN GE TENG GEN *Pueraria thomsonii* (root: content = 0.158%)^[5508], GE GEN *Pueraria lobata* [Syn. *Pueraria thunbergiana*; *Pueraria pseudohirsuta*] (root: content = 0.78%)^[5508], SAN LIE YE GE *Pueraria phaseoloides* (root: content = 0.72%)^[5508], SHI YONG GE *Pueraria edulis* (root: content = 0.44%)^[5508]. **Ref:** 2, 660, 4630, 5508.

**4607 Dalbergenone**

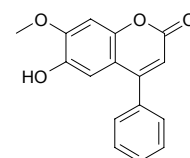
[2543-95-5] C₁₆H₁₄O₃ (254.29). mp 114–116°C. **Source:** JIANG ZHEN XIANG *Dalbergia odorifera*. **Ref:** 6.

**4608 Dalbergichromene**

7-Methoxy-4-phenyl-2H-1-benzopyran-6-ol [32066-31-2] C₁₆H₁₄O₃ (254.29). mp 99–100°C. **Source:** JIANG ZHEN XIANG *Dalbergia odorifera*. **Ref:** 6.

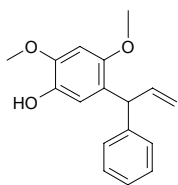
**4609 Dalbergin**

6-Hydroxy-7-Methoxy-4-phenylcoumarin [482-83-7] C₁₆H₁₂O₄ (268.27). mp 210°C. **Pharm:** CVS activity (increases coronary flow and slows heart rate, perfused heart of rbt *in vitro*). **Source:** FEI ZHOU HUANG TAN *Dalbergia melanoxydon*, HE AN HUANG TAN *Dalbergia riparia*, JIANG ZHEN XIANG *Dalbergia odorifera*, JIAO ZHI HUANG TAN *Dalbergia cochinchinensis* (stem: yield = 0.0024% dw)^[4716], SI TE WEN HUANG TAN *Dalbergia stevensonii*, XI A LA HUANG TAN *Dalbergia cearensis*, XIAO DAO XING HUANG TAN *Dalbergia cultrata*, YIN DU HUANG TAN *Dalbergia sissoo*. **Ref:** 6, 658, 4716.

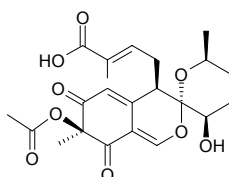


4610 Dalbergiphenol

$C_{17}H_{18}O_3$ (270.33). **Pharm:** Testosterone 5 α -reductase inhibitor (25 μ g/mL, InRt = 8.2%, 50 μ g/mL, InRt = 18.9%, 100 μ g/mL, InRt = 51.8%; control Glycyrrhetic acid, 25 μ g/mL, InRt = 31.7%, 50 μ g/mL, InRt = 64.7%, 100 μ g/mL, InRt = 87.1%). **Source:** JIAO ZHI HUANG TAN *Dalbergia cochinchinensis* (stem; yield = 0.0074%dw). **Ref:** 4716.

**4611 Daldinin C**

$C_{22}H_{26}O_9$ (434.45). **Pharm:** Antioxidant (DPPH scavenger, IC_{50} = 412.0 μ mol/L, control Ascorbic acid, IC_{50} = 16.5 μ mol/L). **Source:** AN ZONG TAN TUAN JUN *Hypoxyton fuscum*. **Ref:** 3771.

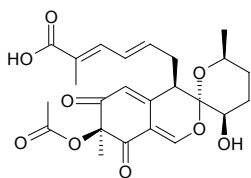
**4612 Daldinin E**

(2*E*,4*E*)-Hexa-2,4-dienoic

acid,2-methyl-7*S*-(acetyloxy)-3',4,4',5',6,6',7,8-octahydro-3'-hydroxy-6',7-

dimethyl-6,8-dioxospiro[3*H*-2-benzopyran-3,2'-[2*H*]pyran]-4-yl ester

$C_{24}H_{28}O_9$ (460.49). Oil, $[\alpha]_D^{20}$ = +87.7° (c = 0.3, $CHCl_3$). **Pharm:** Antioxidant (DPPH scavenger, IC_{50} = 178.9 μ mol/L, control Ascorbic acid, IC_{50} = 16.5 μ mol/L). **Source:** AN ZONG TAN TUAN JUN *Hypoxyton fuscum*. **Ref:** 3771.

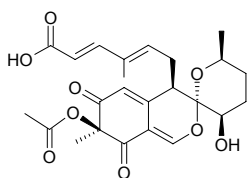
**4613 Daldinin F**

(2*E*,4*E*)-Hexa-2,4-dienoic

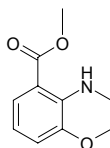
acid,4-methyl-7*S*-(acetyloxy)-3',4,4',5',6,6',7,8-octahydro-3'-hydroxy-6',7-

dimethyl-6,8-dioxospiro[3*H*-2-benzopyran-3,2'-[2*H*]pyran]-4-yl ester

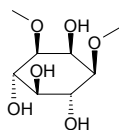
$C_{24}H_{28}O_9$ (460.49). Oil, $[\alpha]_D^{20}$ = +28.9° (c = 0.4, $CHCl_3$). **Pharm:** Antioxidant (DPPH scavenger, IC_{50} = 212.3 μ mol/L, control Ascorbic acid, IC_{50} = 16.5 μ mol/L). **Source:** AN ZONG TAN TUAN JUN *Hypoxyton fuscum*. **Ref:** 3771.

**4614 Damascenine**

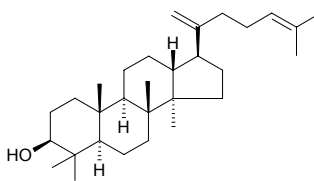
[483-64-7] $C_{10}H_{13}NO_3$ (195.22). **Pharm:** Anti-inflammatory (rat, swollen foot model); antipyretic. **Source:** YE HEI ZHONG CAO *Nigella arvensis*, HEI ZHONG CAO *Nigella damascena*. **Ref:** 658.

**4615 Dambonitol**

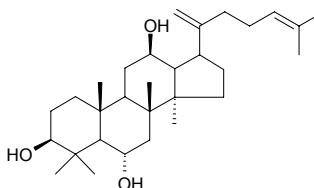
[532-94-4] $C_8H_{16}O_6$ (208.21). mp 210°C. **Source:** JIA ZHU TAO *Nerium indicum*, LUO SHI TENG *Trachelospermum jasminoides*. **Ref:** 6.

**4616 Dammar-20,24-dien-3 β -ol**

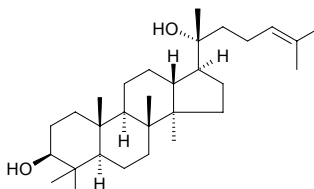
[20460-34-8] $C_{30}H_{50}O$ (426.73). mp 136~138°C. **Source:** WU YUE CHA *Antidesma bunius*. **Ref:** 6.

**4617 Dammar-20(21),24-diene-3 β ,6 α ,12 β -triol**

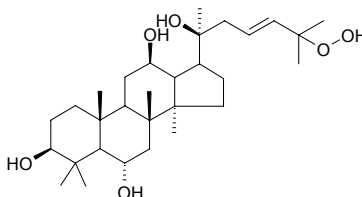
$C_{30}H_{50}O_3$ (458.73). Colorless fascicular crystals (MeOH), mp 145~148°C. **Source:** XI YANG SHEN JING YE *Panax quinquefolium*. **Ref:** 4874.

**4618 Dammar-24-ene-3 β ,20-diol I**

[19132-83-3] $C_{30}H_{52}O_2$ (444.75). mp 142~144°C. **Source:** MANG GUO SHU PI *Mangifera indica*. **Ref:** 6.

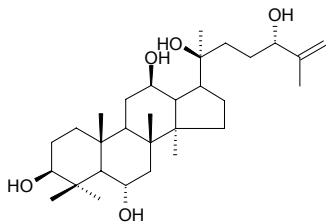
**4619 20(S)-Dammar-23-ene-25-hydroperoxyl-3 β ,6 α ,12 β ,20-tetrol**

$C_{30}H_{52}O_6$ (508.75). White crystalline powder, mp 142~145°C. **Source:** XI YANG SHEN JING YE *Panax quinquefolium*. **Ref:** 4874.

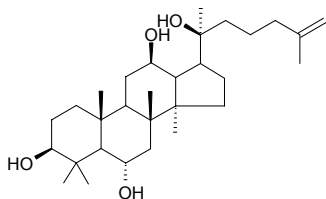


4620 20(S),24(S)-Dammar-25(26)-ene-3 β ,6 α ,12 β ,20,24-pentanol

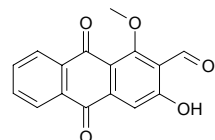
C₃₀H₅₂O₅ (492.75). White crystalline powder, mp 142–144°C. Source: XI YANG SHEN JING YE *Panax quinquefolium*. Ref: 4874.

**4621 20(S)-Dammar-25(26)-ene-3 β ,6 α ,12 β ,20-tetrol**

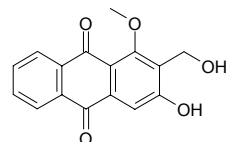
C₃₀H₅₂O₄ (476.75). Colorless fascicular crystals (MeOH), mp 259–260°C. Source: XI YANG SHEN JING YE *Panax quinquefolium*. Ref: 4874.

**4622 Damnacanthal**

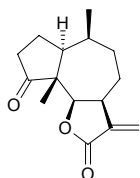
[477-84-9] C₁₆H₁₀O₅ (282.26). mp 208°C. Source: HU CI *Damnacanthus indicus*, TU LIAN QIAO *Hymenodictyon excelsum*. Ref: 6.

**4623 Damnacanthol**

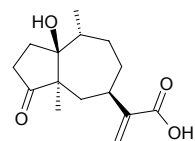
[477-83-8] C₁₆H₁₂O₅ (284.27). mp 288°C. Source: HU CI *Damnacanthus indicus*. Ref: 6.

**4624 Damsin**

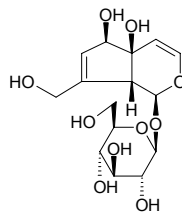
2,3-Dihydroambrosin [1216-42-8] C₁₅H₂₀O₃ (248.32). mp 109–111°C; 124–125°C. Pharm: Schistosomacide; cytotoxic (KB, ED₅₀ > 100µg/mL); molluscicide. Source: PU TONG TUN CAO *Ambrosia ambrosioides*, TUN CAO *Ambrosia artemisiifolia*. Ref: 4, 658.

**4625 Damsinic acid**

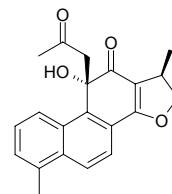
[22844-19-5] C₁₅H₂₂O₄ (266.34). mp 112–113°C. Source: TUN CAO *Ambrosia artemisiifolia*. Ref: 1521.

**4626 Danmelittoside**

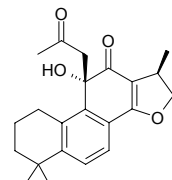
Monomelittoside C₁₅H₂₂O₁₀ (362.34). Source: GAN DI HUANG *Rehmannia glutinosa* [Syn. *Rehmannia glutinosa* f. *huechingensis*], OU ZHOU MI FENG HUA *Melittis melissophyllum*. Ref: 2, 1521.

**4627 Danshenol A**

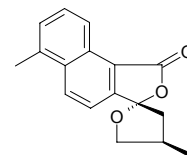
[189308-08-5] C₂₁H₂₀O₄ (336.39). Taupe acicular crystals, mp 182°C (methanol), [α]_D²⁵ = –136.4° (c = 0.07, chloroform). Pharm: Aldose reductase inhibitor (rat eye lens, IC₅₀ = 0.1µmol/L). Source: DAN SHEN *Salvia miltiorrhiza*. Ref: 993.

**4628 Danshenol B**

[189308-09-6] C₂₂H₂₆O₄ (354.45). Yellow acicular crystals, mp 176°C (methanol), [α]_D²⁵ = –131.6° (c = 0.10, chloroform). Pharm: Aldose reductase inhibitor (rat eye lens, IC₅₀ = 1.75µmol/L). Source: DAN SHEN *Salvia miltiorrhiza*. Ref: 993.

**4629 Danshenspiroketalactone**

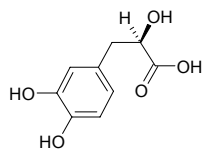
[100414-80-0] C₁₇H₁₆O₃ (268.32). White acicular crystals, mp 203–205°C. Source: DAN SHEN *Salvia miltiorrhiza*, GAN XI SHU WEI CAO *Salvia przewalskii*. Ref: 38, 4538.

**4630 Danshensu**

[76822-21-4] C₉H₁₀O₅ (198.18). White, long acicular crystals, mp 84–86°C; sodium salt: white acicular crystals, mp 255–258°C, [α]_D^{20.5} = +35° (water); [α]_D^{27.5} = +14.8° (1N HCl). Pharm: Coronary vasodilator (pig isolated coronary artery, 1.0µg/mL, also against coronary contraction induced by morphine or propranolol)^[5501]; increases tolerance to anoxia (mouse ip300mg/kg or 50mg/kg, clearly extends survival time)^[5501]; anti-ischemia myocardial (rat im 20mg/kg, ischemia myocardial induced by hypophysin)^[5501]; anti-myocardial infarction (dog im 8mg/kg, rbt im 10mg/kg)^[5501]; antioxidant (strong O₂⁻ superoxide anion scavenger, protects myocardial ischemia-reperfusion injury in rat myocardium mitochondrial membrane)^[5501]; improves barrier of microcirculation (rbt iv in ear 4–6mg/kg, induced by macromolecular dextran; mouse drop iv

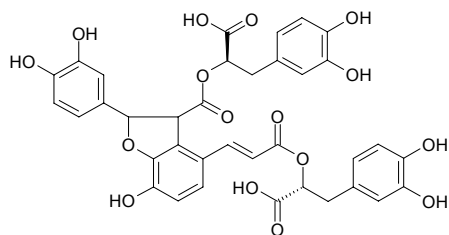
1mg/0.1mL, induced by arterenol in mesentery)^[5501], platelet aggregation inhibitor (rbt iv in ear 20mg/kg; rat iv 100mg/kg; *in vitro* 5~600µg/mL, distinctly inhibits platelet aggregation induced by ADP or thrombin)^[5501].

Source: DAN SHEN *Salvia miltiorrhiza* (dried root: mean content = 0.664%)^[5508] **Ref:** 661, 5501, 5508.



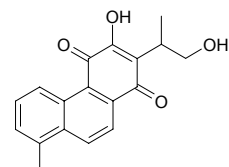
4631 Danshensuan B

Salvianolic acid B [115939-25-8] C₃₆H₃₀O₁₆ (718.63). Amorphous yellowish powder, [α]_D¹⁸ = +92° (c = 0.07, ethanol). **Pharm:** Free radical scavenger; fibrinolytic function; increases coronary flow; antioxidant (inhibits lipid peroxidation strongly, induced by vitamin C-nicotinamide ADP and Fe²⁺-cysteine in microsome of murine cerebral, hepatic and renal cells); main component of phenol character acid in *Salvia miltiorrhiza*. **Source:** DAN SHEN *Salvia miltiorrhiza*. **Ref:** 2, 900.



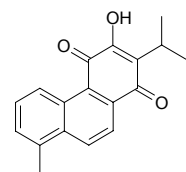
4632 Danshenxinkun A

Neotanshinone A; Tanshiquinone A C₁₈H₁₆O₄ (296.33). **Pharm:** Antibacterial (*Mycobacterium tuberculosis* H37Rv, MIC = 0.78µg/mL). **Source:** DAN SHEN *Salvia miltiorrhiza*. **Ref:** 658, 1285.



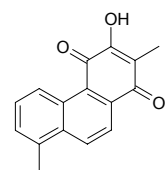
4633 Danshenxinkun B

Neotanshinone B; Tanshiquinone B C₁₈H₁₆O₃ (280.33). **Pharm:** Antibacterial (*Mycobacterium tuberculosis* H37Rv, MIC = 3.1µg/mL). **Source:** DAN SHEN *Salvia miltiorrhiza*. **Ref:** 658, 1285.



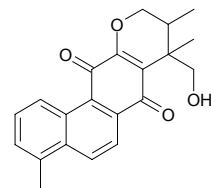
4634 Danshenxinkun C

Neotanshinone C; Tanshiquinone C C₁₆H₁₂O₃ (252.27). **Pharm:** Antibacterial (*Mycobacterium tuberculosis* H37Rv, MIC = 6.3µg/mL). **Source:** DAN SHEN *Salvia miltiorrhiza*. **Ref:** 658, 1285.



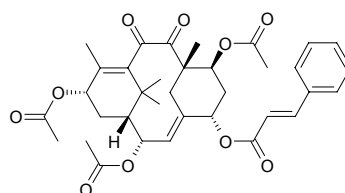
4635 Danshenxinkun D

C₂₁H₂₀O₄ (336.39). Pink acicular crystals, mp 178~180°C. **Source:** DAN SHEN *Salvia miltiorrhiza*. **Ref:** 34.



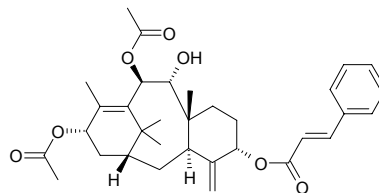
4636 Dantaxusin A

5α-Cinnamoyloxy-2α,7β,13α-triacetoxy-2(3→20)abeo-taxa-4(20),11-diene e-9,10-dione C₃₅H₄₀O₁₀ (620.7). Colorless amorphous powder, mp 114~116°C, [α]_D²⁷ = +12° (c = 0.33, MeOH). **Source:** YUN NAN HONG DOU SHAN *Taxus yunnanensis* (aerial parts). **Ref:** 3079.



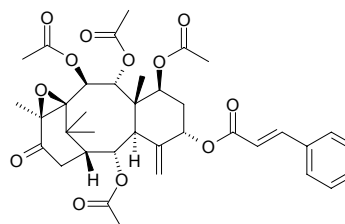
4637 Dantaxusin B

5α-Cinnamoyloxy-9α-hydroxy-10β,13α-diacetoxytaxa-4(20),11-diene C₃₃H₄₂O₇ (550.7). Colorless amorphous powder, mp 245~246°C, [α]_D²⁷ = -8° (c = 0.33, MeOH). **Source:** YUN NAN HONG DOU SHAN *Taxus yunnanensis* (aerial parts). **Ref:** 3079.



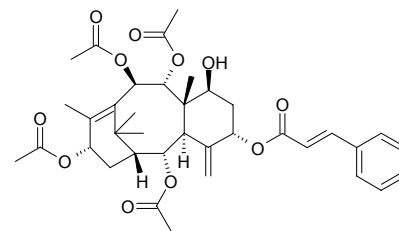
4638 Dantaxusin C

C₃₇H₄₄O₁₂ (680.76). Colorless amorphous powder, mp 122~123°C, [α]_D²⁴ = +1.25° (c = 0.33, MeOH). **Source:** YUN NAN HONG DOU SHAN *Taxus yunnanensis* (aerial parts). **Ref:** 4611.



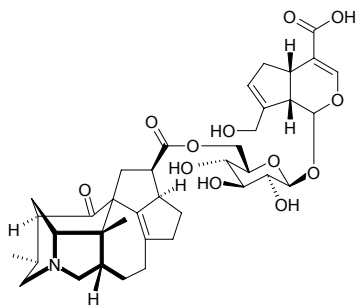
4639 Dantaxusin D

C₃₇H₄₆O₁₁ (666.77). Colorless amorphous powder, mp 111~112 °C, [α]_D²⁴ = +6.88° (c = 0.33, MeOH). **Source:** YUN NAN HONG DOU SHAN *Taxus yunnanensis* (aerial parts). **Ref:** 4611.

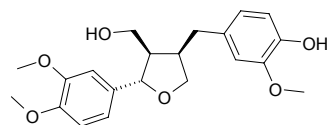


4640 Daphcalycinoidine C

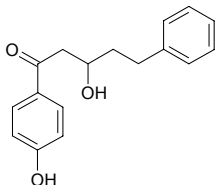
$C_{38}H_{49}NO_{12}$ (711.81). Colorless amorphous solid, $[\alpha]_D^{22} = -15^\circ$ ($c = 0.6$, MeOH). Source: NIU ER FENG ZI *Daphniphyllum calycinum* (fruit: yield = 0.00042%). Ref: 4754.

**4641 Daphneligin**

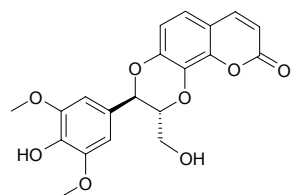
$C_{21}H_{26}O_6$ (374.44). Amorphous powder, mp 136~138°C, $[\alpha]_D = +11.5^\circ$ ($c = 0.10$, $CHCl_3$) Source: YOU RUI XIANG *Daphne oleoides*. Ref: 1883.

**4642 Daphneolone**

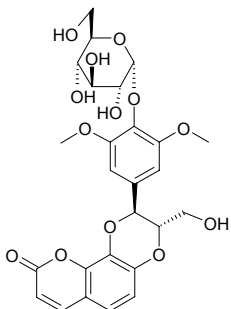
[54835-64-2] $C_{17}H_{18}O_3$ (270.33). Source: RUI XIANG GEN *Daphne odora*. Ref: 6.

**4643 Daphneticin**

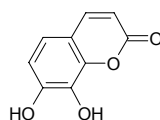
[83327-22-4] $C_{20}H_{18}O_8$ (386.36). Pharm: Cytotoxic (W_{256}). Source: SHAN GAN RUI XIANG *Daphne tangutica*, AO YE RUI XIANG *Daphne retusa*. Ref: 658.

**4644 Daphneticin-4''-O- α -D-glucopyranoside**

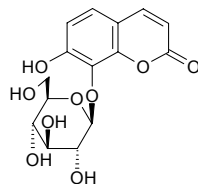
$C_{26}H_{28}O_{13}$ (548.51). mp 254~255°C, $[\alpha]_D = +23.5^\circ$ ($c = 0.10$, DMSO). Source: YOU RUI XIANG *Daphne oleoides*. Ref: 2279.

**4645 Daphnetin**

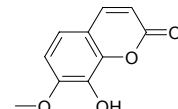
7,8-Dihydroxycoumarin [486-35-1] $C_9H_6O_4$ (178.15). mp 257~258°C; 263~264°C. Pharm: Analgesic; antibacterial (*Staphylococcus aureus*, *Bacillus coli*, *Shigella flexneri* and *Bacillus pyocyaneus*); anti-inflammatory; anti-ischemia, myocardial; immunomodulator (inhibits immune response of specific cells and that of body fluid, but enhances phagocytotic function of enterocelia M_{phi} macrophage); improves myocardium metabolism and promotes restoration of myocardial function; increases coronary flow; reduces consumption of oxygen in myocardium; sedative; LD_{50} (mus, ip) = 429mg/kg, (mus, iv) = 375mg/kg, (mus, orl) = 5.37g/kg. Source: HUI HUI DOU *Cicer arietinum*, LANG DU *Stellera chamaejasme*, QIAN JIN ZI *Euphorbia lathyris*, RUI XIANG HUA *Daphne odora*. Ref: 4, 6, 556, 658, 5501, 5507.

**4646 Daphnetin-8-glucoside**

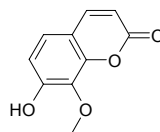
[20853-56-9] $C_{15}H_{16}O_9$ (340.29). mp 223~224°C. Source: RUI XIANG HUA *Daphne odora*. Ref: 6.

**4647 Daphnetin-7-methyl ether**

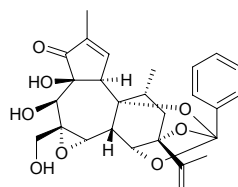
[19492-03-6] $C_{10}H_8O_4$ (192.17). mp 175.5°C. Source: BA XIAN HUA *Hydrangea macrophylla*. Ref: 6.

**4648 Daphnetin-8-methyl ether**

Hydrangetin [485-90-5] $C_{10}H_8O_4$ (192.17). Needles (C_6H_6), mp 152°C, mp 157~157.5°C, mp 185°C. Pharm: Cytotoxic inactive (*in vitro*, HONE-1 and NUGC cancer cell lines, no significant activity)^[3069]. Source: BA XIAN HUA *Hydrangea macrophylla*, QING HAO *Artemisia apiacea* [Syn. *Artemisia carvifolia*; *Artemisia caruifolia*], QUAN YUAN YE HUA *Zanthoxylum integrifolium*, ZHONG GUO XIU QIU *Hydrangea chinensis* (root)^[3069]. Ref: 6, 2176, 3069.

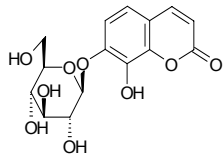
**4649 Daphnetoxin**

[28164-88-7] $C_{27}H_{30}O_8$ (482.54). Pharm: LD_{50} (mus, orl) = 0.25mg/kg. Source: OU YA RUI XIANG *Daphne mezereum*. Ref: 658.

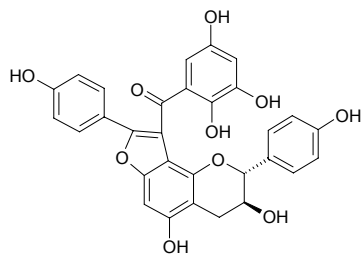


4650 Daphnin

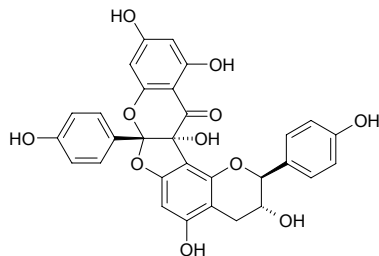
Daphnetin-7-glucoside [486-55-5] $C_{15}H_{16}O_9$ (340.29). mp 215°C (dec).
 Source: RUI XIANG HUA *Daphne odora*, SU MI *Setaria italica*. Ref: 6.

**4651 Daphnodorin B**

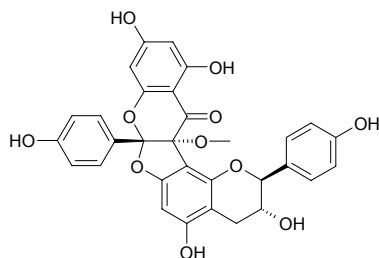
[95733-02-1] $C_{30}H_{22}O_{10}$ (542.50). Source: LIAO GE WANG GEN
Wikstroemia indica, RUI XIANG GEN *Daphne odora*. Ref: 2268, 1521.

**4652 Daphnodorin G**

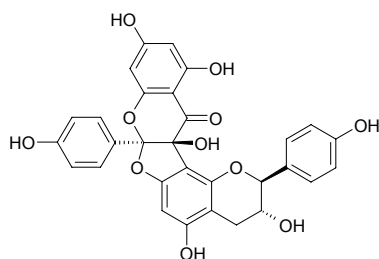
$C_{30}H_{22}O_{11}$ (558.50). Source: YUAN HUA GEN *Daphne genkwa*. Ref:
 4868.

**4653 Daphnodorin G-3''-methyl ether**

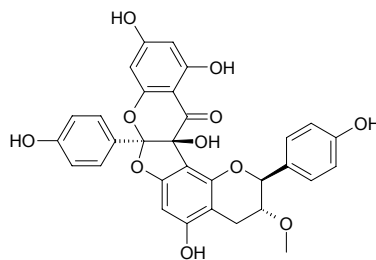
$C_{31}H_{24}O_{11}$ (572.33). Yellow amorphous powder. Source: YUAN HUA
 GEN *Daphne genkwa*. Ref: 4868.

**4654 Daphnodorin H**

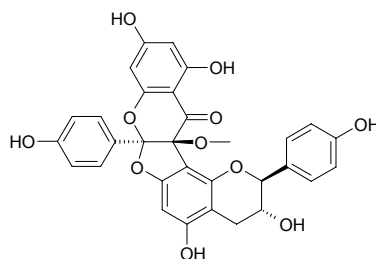
$C_{30}H_{22}O_{11}$ (558.50). Source: YUAN HUA GEN *Daphne genkwa*. Ref:
 4868.

**4655 Daphnodorin H 3-methyl ether**

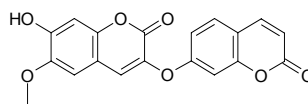
$C_{31}H_{24}O_{11}$ (572.53). Yellow amorphous powder. Source: YUAN HUA
 GEN *Daphne genkwa*. Ref: 4868.

**4656 Daphnodorin H 3''-methyl ether**

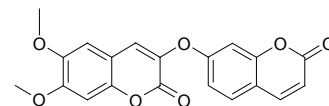
$C_{31}H_{24}O_{11}$ (572.53). Pale yellowish powder. Source: YUAN HUA GEN
Daphne genkwa. Ref: 4868.

**4657 Daphnoretin**

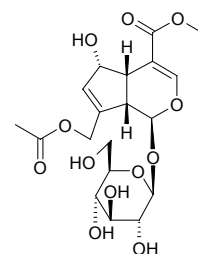
[2034-69-7] $C_{19}H_{12}O_7$ (352.30). Yellow flossy, tiny acicular crystals
 (ethanol) or yellow short, thick acicular crystals (acetone-pyridine), mp
 250–252°C, 244–247°C; yellow acicular crystals (tetrahydrofuran-
 methanol). Pharm: Antineoplastic. Source: LIAO GE WANG GEN
Wikstroemia indica, JING YA MA YE RUI XIANG *Daphne gnidium*. Ref:
 661.

**4658 Daphnoretin methyl ether**

7-Methoxydaphnoritin $C_{20}H_{14}O_7$ (366.33). Fine acicular crystals, mp
 238–240°C, soluble in methanol, ethanol, and insoluble in chloroform,
 ether, and acetone. Source: LANG DU *Stellera chamaejasme*. Ref: 488.

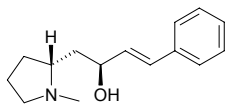
**4659 Daphylloside**

[14260-99-2] $C_{19}H_{26}O_{12}$ (446.41). Source: JI SHI TENG *Paederia
 scandens*, JIAO RANG MU *Daphniphyllum macropodum*, XIE JI CU YE
 MU *Lasianthus wallichii* (leaf). Ref: 1521, 2561, 4238.

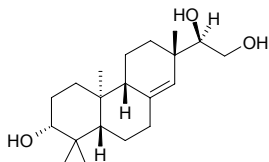


4660 Darlinine

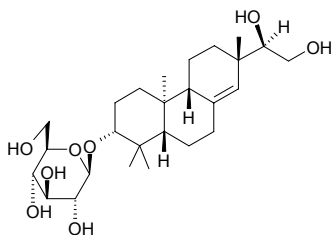
[73069-56-4] $C_{15}H_{21}NO$ (231.34). Straw-coloured crystals (EtOH), mp 59–61°C, $[\alpha]_D^{19} = +75^\circ$ (CHCl₃). Source: *Darlingia darlingiana*. Ref: 1521.

**4661 Darutigenol**

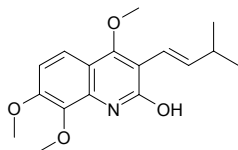
$C_{20}H_{34}O_3$ (322.49). Source: XI XIAN *Siegesbeckia orientalis* (aerial parts). Ref: 4438.

**4662 Darutoside**

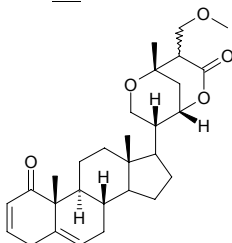
Darutin $C_{26}H_{44}O_8$ (484.64). Source: XI XIAN *Siegesbeckia orientalis* (aerial parts). Ref: 4438.

**4663 Dasycarpamine**

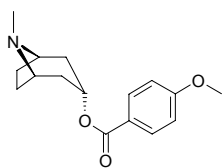
$C_{17}H_{21}NO_4$ (303.36). mp 149°C. Source: BAI XIAN PI *Dictamnus dasycarpus*. Ref: 6.

**4664 Datumetelin**

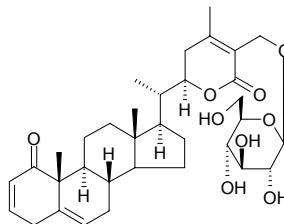
[117259-11-7] $C_{29}H_{40}O_5$ (468.64). Source: MAN TUO LUO YE *Datura metel*. Ref: 2.

**4665 Datumetine**

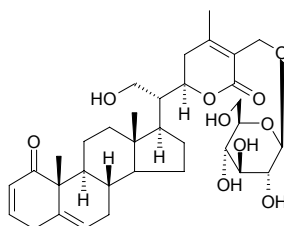
[67078-20-0] $C_{16}H_{21}NO_3$ (275.35). Source: MAN TUO LUO YE *Datura metel*. Ref: 2.

**4666 Daturametelin A**

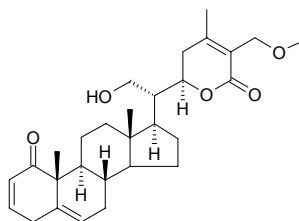
$C_{34}H_{48}O_9$ (600.76). Source: MAN TUO LUO YE *Datura metel*. Ref: 2, 660.

**4667 Daturametelin B**

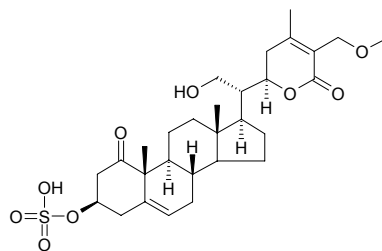
$C_{34}H_{48}O_{10}$ (616.76). Source: MAN TUO LUO YE *Datura metel*. Ref: 2, 660.

**4668 Daturametelin C**

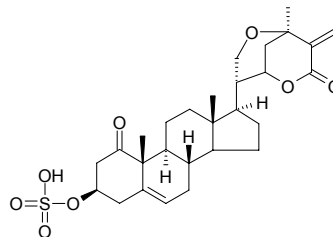
[123297-25-6] $C_{29}H_{40}O_5$ (468.64). Source: MAN TUO LUO YE *Datura metel*. Ref: 2, 660.

**4669 Daturametelin E**

$C_{29}H_{42}O_9S$ (566.72). Source: MAN TUO LUO YE *Datura metel*. Ref: 2, 660.

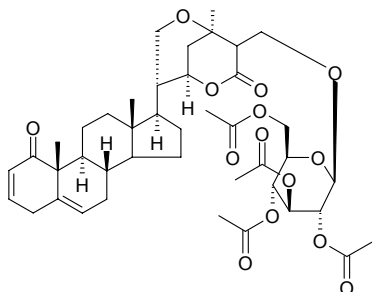
**4670 Daturametelin F**

$C_{28}H_{38}O_8S$ (534.67). Source: MAN TUO LUO YE *Datura metel*. Ref: 2, 660.

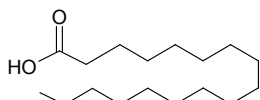


4671 Daturametelin G-AC

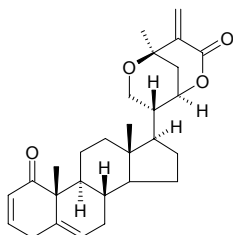
$C_{42}H_{56}O_{14}$ (784.91). Source: MAN TUO LUO YE *Datura metel*. Ref: 2, 660.

**4672 Daturic acid**

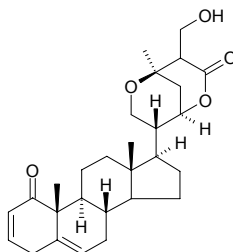
Margaric acid [506-12-7] $C_{17}H_{34}O_2$ (270.46). mp 60~61°C. Source: DANG SHEN *Codonopsis pilosula*, LU HUI *Aloe vera* [Syn. *Aloe barbadensis*], GAN DI HUANG *Rehmannia glutinosa* [Syn. *Rehmannia glutinosa* f. *huechingensis*], XI YANG SHEN *Panax quinquefolium*, SHU MI *Panicum miliaceum*. Ref: 2, 6.

**4673 Daturilin**

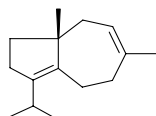
Withametelin [113430-43-6] $C_{28}H_{36}O_4$ (436.60). Source: MAN TUO LUO YE *Datura metel*. Ref: 2, 660, 1521.

**4674 Daturilinol**

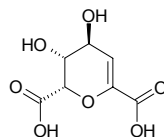
[113706-20-0] $C_{28}H_{38}O_5$ (454.61). Source: MAN TUO LUO YE *Datura metel*. Ref: 2, 660.

**4675 Daucene**

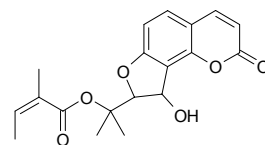
4,8-Daucadiene [16661-00-0] $C_{15}H_{24}$ (204.36). bp 96°C/4mmHg. Source: NAN HE SHI *Daucus carota*. Ref: 6, 660.

**4676 Daucic acid**

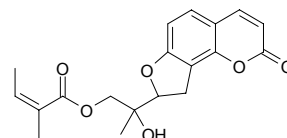
[34098-52-7] $C_7H_8O_7$ (204.14). Source: HE SHI FENG *Daucus carota*. Ref: 6.

**4677 Daucoidin A**

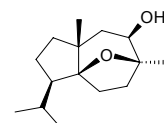
$C_{19}H_{20}O_6$ (344.37). Yellowish glasses, $[\alpha]_D^{20} = +46^\circ$ (c = 0.30, MeOH). Source: QIAN HU *Angelica decursiva* [Syn. *Peucedanum decursivum*]. Ref: 9.

**4678 Daucoidin B**

$C_{19}H_{20}O_6$ (344.37). Colorless massive crystals, mp 140~141°C, $[\alpha]_D^{20} = +48.2^\circ$ (c = 0.15, $CHCl_3$). Source: QIAN HU *Angelica decursiva* [Syn. *Peucedanum decursivum*]. Ref: 9.

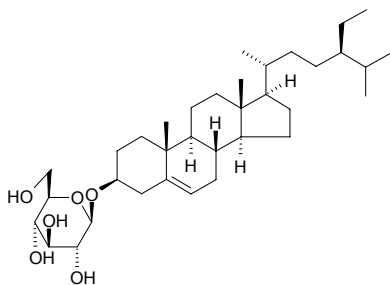
**4679 Daucol**

[887-08-1] $C_{15}H_{26}O_2$ (238.37). mp 113~115°C, bp 124~132°C/2mmHg. Source: HU LUO BO ZI *Daucus carota* var. *sativa*, NAN HE SHI *Daucus carota*, HE SHI FENG *Daucus carota*. Ref: 6, 660.

**4680 Daucosterol**

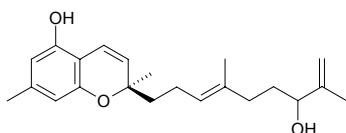
β -Daucosterol [474-58-8] $C_{35}H_{60}O_6$ (576.86). White powder, mp 295°C. Pharm: Platelet aggregation inhibitor (2~5mg/mL collagen-induced, $IC_{50} = (114 \pm 3)\mu\text{mol/L}$, control ASA, $IC_{50} = (420 \pm 3)\mu\text{mol/L}$; 1~4 $\mu\text{mol/L}$ epinephrine-induced with 0.8~1.0mg/mL collagen, $IC_{50} = (53.2 \pm 2.3)\mu\text{mol/L}$, ASA, $IC_{50} = (53.0 \pm 4.5)\mu\text{mol/L}$; 10~40 $\mu\text{mol/L}$ Sodium arachidonate-induced with 0.8~1.0mg/mL collagen, $IC_{50} = (66.5 \pm 4.0)\mu\text{mol/L}$, ASA, $IC_{50} = (66.0 \pm 2.1)\mu\text{mol/L}$; 1~5 $\mu\text{mol/L}$ PGH₂/TXA₂ receptor agonist U46619-induced with 0.8~1.0mg/mL collagen, $IC_{50} = (56.1 \pm 4.3)\mu\text{mol/L}$, ASA, $IC_{50} = (340 \pm 12)\mu\text{mol/L}$)^[4994]; cytotoxic (P₃₈₈, marginal activity); cytotoxic inactive (*in vitro*, LNCaP, $IC_{50} > 100\mu\text{mol/L}$)^[4607]. Source: BAI MU TONG GEN *Akebia trifoliata* var. *australis*, BAI TOU WENG *Pulsatilla chinensis*, BAN XIA *Pinellia ternata*, BEI MA DOU LING GEN *Aristolochia contorta*, BU GU ZHI *Psoralea corylifolia*, CAO CONG RONG *Boschniakia rossica*, CHI SHAO *Paeonia lactiflora* wild, CHUAN XIN LIAN *Andrographis paniculata* [Syn. *Justicia paniculata*], CHUAN XU DUAN *Dipsacus asperoides*, CI WU JIA *Acanthopanax senticosus* [Syn. *Eleutherococcus senticosus*], DAN SHEN *Salvia*

multiorrhiza, DIAN NAN HONG HOU KE *Calophyllum polyanthum* (seed: yield = 0.0027%dw)^[4767], DONG BEI CI REN SHEN *Oplopanax elatus*, FANG FENG *Saposhnikovia divaricata* [Syn. *Ledebouriella seseloides*], FANG XIANG JIANG *Zingiber aromaticum* (rhizome), GAN DI HUANG *Rehmannia glutinosa* [Syn. *Rehmannia glutinosa* f. *huechingsensis*], GE GEN *Pueraria lobata* [Syn. *Pueraria thunbergiana*; *Pueraria pseudohirsuta*], HAI JIN BI XIE *Dioscorea spongiosa* (rhizome: yield = 0.00012%^[4692]), HUA DONG LAN CI TOU *Echinops grijsii*, HUANG HUA BAI JIANG *Patrinia scabiosaefolia*, HUO XIANG *Agastache rugosus*, HUO YAN HUA *Phlogacanthus curviflorus* (root: yield = 0.0385%dw)^[4799], JIN QUE GEN *Caragana sinica*, JU YUAN *Citrus medica*, LANG DANG ZI *Hyoscyamus niger* (seed: yield = 0.0004%dw)^[4607], LIU QIU SHE GEN CAO *Ophiorrhiza liukuensis* (whole herb), MA TI YE *Caltha palustris*, MAO LIAN HAO *Artemisia vestita*, MU TONG *Akebia quinata*, MU TONG GEN *Akebia quinata*, REN SHEN *Panax ginseng* [Syn. *Panax schinseng*], ROU CONG RONG *Cistanche deserticola*, SAN QI *Panax pseudo-ginseng* var. *notoginseng* [Syn. *Panax notoginseng*], SAN YE MU TONG GEN *Akebia trifoliata*, SHAN FAN GEN *Symplocos caudata*, SHENG DI HONG JING TIAN *Rhodiola sacra*, SHI LIU ZHONG ZI *Punica granatum* (seed: yield = 0.0051%^[4792]), SI CHI SI LENG CAO *Schnabelia tetradonta* (aerial parts: yield = 0.00058%dw)^[4665], SUAN ZAO REN *Ziziphus jujuba* var. *spinosa*, TIAN MA *Gastrodia elata*, TUN XING GUO *Pygeum topengii*, WU GENG WU JIA PI *Acanthopanax sessiliflorus* (fruit), XIA KU CAO *Prunella vulgaris*, XIAN GENG XI XIAN *Siegesbeckia orientalis* var. *pubescens* [Syn. *Siegesbeckia pubescens*], XIANG TANG SONG CAO *Thalictrum foetidum*, XIAO QIAO MU ZI JIN NIU *Ardisia arborescens* (whole herb)^[4769], XIN JIANG LAN CI TOU *Echinops ritro*, YA DAN ZI *Brucea javanica* [Syn. *Brucea sumatrana*; *Rhus javanica*], YAO YONG PU GONG YING *Taraxacum officinale*, YI ZHU QIAN MA *Urtica dioica*, ZHONG GUO XUAN FU HUA *Inula britannica* var. *chinensis*, occurs in many plants. Ref: 2, 440, 447, 450, 454, 455, 471, 474, 502, 556, 580, 582, 585, 594, 596, 614, 622, 660, 1521, 2508, 2535, 4449, 4527, 4607, 4665, 4692, 4767, 4769, 4792, 4799, 4994, 5501.



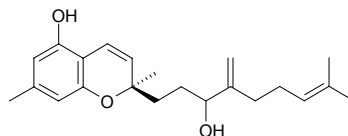
4681 Daurichromene A

2*R*-(7'-Hydroxy-4',8'-dimethyl-3'*E*,8'-nonadienyl)-5-hydroxy-2,7-dimethyl-2*H*-chromene C₂₂H₃₀O₃ (342.48). Light yellow oil, [α]_D²⁶ = -30.4° (c = 0.20, CH₃OH). **Pharm:** Antihistamine (inhibits histamine release, rat peritoneal mast cells, compound 48/80-induced)^[4755]. **Source:** MAN SHAN HONG *Rhododendron dauricum* (twig and leaf: yield = 0.00091%) **Ref:** 4755.



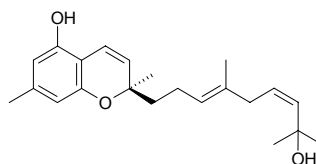
4682 Daurichromene B

2*R*-(3'-Hydroxy-8'-methyl-4'-methyliden-7'-nonaenyl)-5-hydroxy-2,7-dimethyl-2*H*-chromene C₂₂H₃₀O₃ (342.48). Light yellow oil, [α]_D²⁶ = -27.7° (c = 0.13, CH₃OH). **Pharm:** Antihistamine (inhibits histamine release, rat peritoneal mast cells, compound 48/80-induced)^[4755]. **Source:** MAN SHAN HONG *Rhododendron dauricum* (twig and leaf: yield = 0.0001%) **Ref:** 4755.



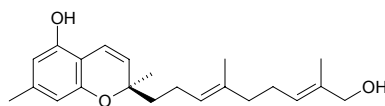
4683 Daurichromene C

2*R*-(8'-Hydroxy-4',8'-dimethyl-3'*E*,6'*Z*-nonadienyl)-5-hydroxy-2,7-dimethyl-2*H*-chromene C₂₂H₃₀O₃ (342.48). Light yellow oil, [α]_D²⁶ = -32.0° (c = 0.10, CH₃OH). **Pharm:** Antihistamine (inhibits histamine release, rat peritoneal mast cells, compound 48/80-induced)^[4755]. **Source:** MAN SHAN HONG *Rhododendron dauricum* (twig and leaf: yield = 0.0002%) **Ref:** 4755.



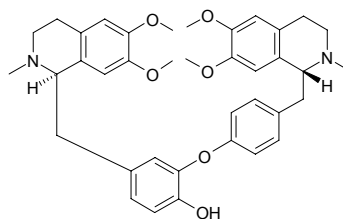
4684 Daurichromene D

2*R*-(9'-Hydroxy-4',8'-dimethyl-3'*E*,7'*E*-nonadienyl)-5-hydroxy-2,7-dimethyl-2*H*-chromene C₂₂H₃₀O₃ (342.48). Light yellow oil, [α]_D²⁶ = -26.0° (c = 0.10, CH₃OH). **Pharm:** Antihistamine (inhibits histamine release, rat peritoneal mast cells, compound 48/80-induced)^[4755]. **Source:** MAN SHAN HONG *Rhododendron dauricum* (twig and leaf: yield = 0.00017%) **Ref:** 4755.



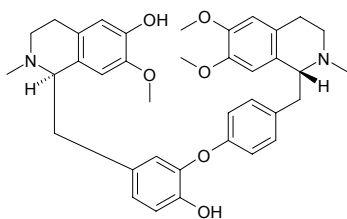
4685 Dauricine

[524-17-4] C₃₈H₄₄N₂O₆ (624.78). mp 115°C. **Pharm:** Analgesic; antiarrhythmic; anti-inflammatory; antihypertensive; platelet aggregation inhibitor (caused by ADP, adrenalin, collagen and arachidonic acid, *in vitro* and *in vivo*); inhibits small intestinal contraction (rbt, *in vitro*) and reduces alvine tension (*in vivo*); antihypercholesterolemic (reduces the level of cholesterol in serum); LD (cat, iv) = 30mg/kg; LD₅₀ (mus, ip) = 6mg/kg. **Source:** BIAN FU GE GEN *Menispermum dauricum*, MEI GUO BIAN FU GE *Menispermum canadense*. **Ref:** 4, 6, 658, 5501.

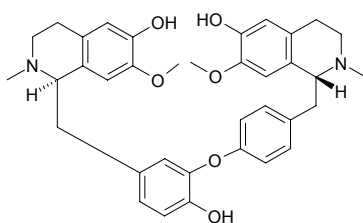


4686 Dauricinoline

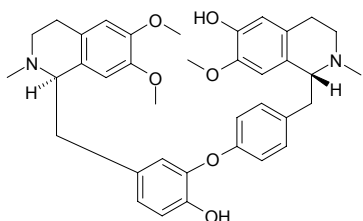
[30984-80-6] C₃₇H₄₂N₂O₆ (610.76). Source: BIAN FU GE GEN *Menispermum dauricum*. Ref: 6.

**4687 Dauricoline**

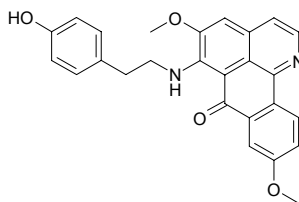
[29550-42-3] C₃₆H₄₀N₂O₆ (596.73). Source: BIAN FU GE GEN *Menispermum dauricum*. Ref: 6.

**4688 Daurinoline**

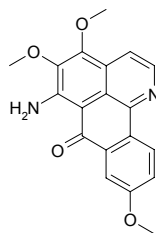
[2831-75-6] C₃₇H₄₂N₂O₆ (610.76). Source: BIAN FU GE GEN *Menispermum dauricum*. Ref: 6.

**4689 Daurioxoisoporphine A**

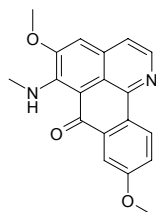
4-Demethoxytyraminoporphine C₂₆H₂₂N₂O₄ (426.48). Yellow crystals (CHCl₃), mp 234~235°C. Pharm: Cytotoxic (*in vitro*, A549, IC₅₀ = 8.8 μmol/L, HL-60, IC₅₀ > 50 μmol/L, MCF7, IC₅₀ = 3 μmol/L, P₃₈₈, IC₅₀ = 30.5 μmol/L; control VP-16: A549, IC₅₀ = 0.5 μmol/L, HL-60, IC₅₀ = 5.4 μmol/L, MCF7, IC₅₀ = 12.33 μmol/L, P₃₈₈, IC₅₀ = 0.1 μmol/L). Source: BIAN FU GE GEN *Menispermum dauricum*. Ref: 3071.

**4690 Daurioxoisoporphine B**

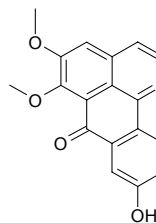
6-Amino-4,5,9-trimethoxyoxoisoporphine C₁₉H₁₆N₂O₄ (336.35). Yellow amorphous powder. Pharm: Cytotoxic (*in vitro*, A549, IC₅₀ > 50 μmol/L, HL-60, IC₅₀ > 50 μmol/L, MCF7, IC₅₀ = 6.2 μmol/L, P₃₈₈, IC₅₀ = 9.6 μmol/L; control VP-16: A549, IC₅₀ = 0.5 μmol/L, HL-60, IC₅₀ = 5.4 μmol/L, MCF7, IC₅₀ = 12.33 μmol/L, P₃₈₈, IC₅₀ = 0.1 μmol/L). Source: BIAN FU GE GEN *Menispermum dauricum*. Ref: 3071.

**4691 Daurioxoisoporphine C**

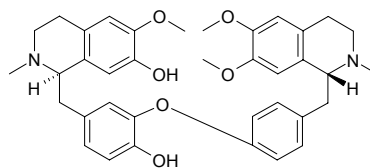
6-Methylamino-5,9-dimethoxyoxoisoporphine C₁₉H₁₆N₂O₃ (320.35). Yellow amorphous powder. Source: BIAN FU GE GEN *Menispermum dauricum*. Ref: 3071.

**4692 Daurioxoisoporphine D**

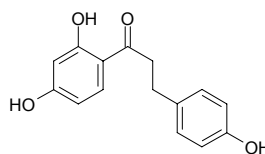
5,6-Dimethoxyl-9-hydroxyoxoisoporphine C₁₈H₁₃NO₄ (307.31). Yellow amorphous powder. Source: BIAN FU GE GEN *Menispermum dauricum*. Ref: 3071.

**4693 Daurisoline**

[70553-76-3] C₃₇H₄₂N₂O₆ (610.76). Cream powder (cyclohexane), mp 96~102°C, [α]_D²⁰ = -129° (c = 0.65, methanol). Pharm: Muscle relaxant; LD₅₀ (mus, iv) = (1.25±0.16)mg/kg. Source: BIAN FU GE GEN *Menispermum dauricum* (rhizome: mean content of 8 origins = 0.594%^[5508]) Ref: 661, 5501, 5508.

**4694 Davidigenin**

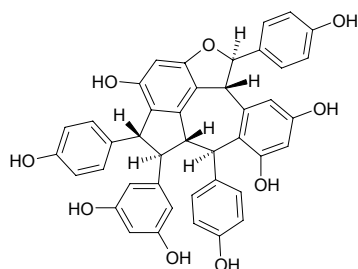
C₁₅H₁₄O₄ (258.28). Source: BO TE LAN DA JI *Euphorbia portlandica* (whole herb). Ref: 5019.



4695 Davidiol A

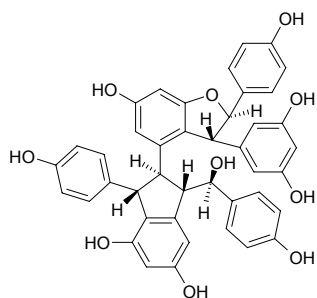
$C_{42}H_{32}O_9$ (680.72). Colorless powder, $[\alpha]_D^{29} = -272^\circ$ ($c = 0.18$, MeOH).

Source: BAI CI HUA GEN *Sophora viciifolia*. Ref: 3935.

**4696 Davidiol B**

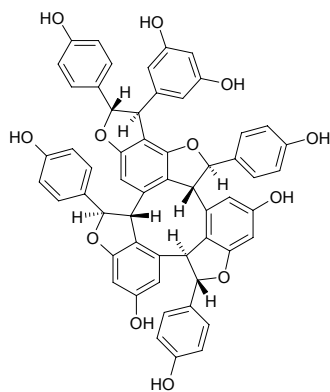
$C_{42}H_{34}O_{10}$ (698.73). Brown solid, $[\alpha]_D^{29} = -82^\circ$ ($c = 0.04$, MeOH). Source:

BAI CI HUA GEN *Sophora viciifolia*. Ref: 3935.

**4697 Davidiol C**

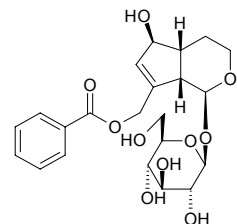
$C_{56}H_{40}O_{12}$ (904.94). Brown powder, $[\alpha]_D^{29} = -124^\circ$ ($c = 0.11$, MeOH).

Source: BAI CI HUA GEN *Sophora viciifolia*. Ref: 3935.

**4698 Davisioside**

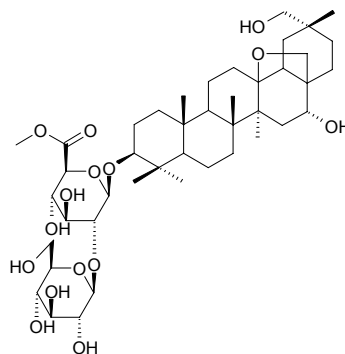
$C_{22}H_{28}O_{10}$ (452.46). White amorphous powder, $[\alpha]_D = -69^\circ$ ($c = 0.48$,

MeOH). Source: *Globularia davisiana* (aerial parts). Ref: 4194.

**4699 Davuricoside D**

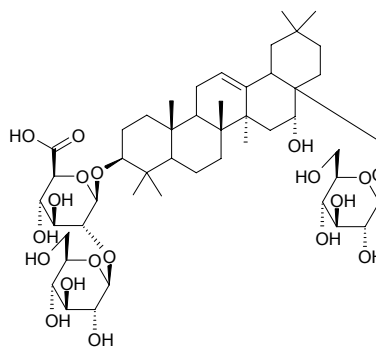
$3\beta,16\alpha,29$ -Trihydroxy-13,28-epoxy-oleanane-3-*O*- β -*D*-glucopyranosyl-(1 \rightarrow 2)-(6-methyl ester)- β -*D*-glucuronopyranoside $C_{43}H_{70}O_{15}$ (827.03).

White amorphous powder, mp 184~186°C (MeOH), $[\alpha]_D^{20} = -16.00^\circ$ ($c = 0.01$, pyridine). Source: HUANG LIAN HUA *Lysimachia davurica* (whole herb). Ref: 4834.

**4700 Davuricoside J**

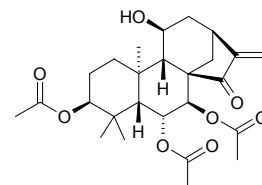
$3\beta,16\alpha,28$ -Trihydroxy-olean-12-en-3-*O*-[β -*D*-glucopyranosyl-(1 \rightarrow 2)- β -*D*-glucuronopyranosyl]-28-*O*- β -*D*-glucuronopyranoside $C_{48}H_{78}O_{19}$ (959.15).

White amorphous powder, mp 229~232°C (MeOH:H₂O = 9:1), $[\alpha]_D^{20} = -20.79^\circ$ ($c = 0.04$, pyridine). Source: HUANG LIAN HUA *Lysimachia davurica* (whole herb). Ref: 4834.

**4701 Dawoensin A**

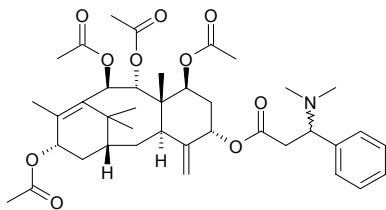
$C_{26}H_{36}O_8$ (476.57). mp 240~242°C, $[\alpha]_D^{26} = -34.3^\circ$ ($c = 1.40$, MeOH); $[\alpha]_D^{25.6} = -37.8^\circ$ ($c = 0.332$, MeOH). Pharm: Cytotoxic (*in vitro*, BGC823

hmn tumor cells, $IC_{50} = 3.54\mu\text{g/mL}$, control VCR, $IC_{50} = 0.066\mu\text{g/mL}$)^[4760]; cytotoxic (hmn tumor K562 cells, $IC_{50} = 2.0\mu\text{g/mL}$, control *cis*-Platin $IC_{50} = 1.1\mu\text{g/mL}$)^[4955]. Source: BAO YE XIANG CHA CAI *Isodon melissoides* (aerial parts: yield = 0.00031%dw), DAO FU XIANG CHA CAI *Isodon dawoensis*, DONG LING CAO *Rabdosia rubescens* (leaf). Ref: 4067, 4299, 4760, 4955.

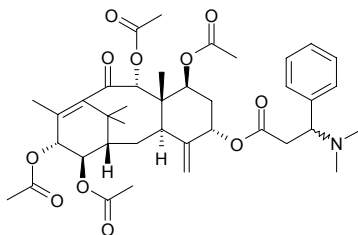


4702 2'-Deacetoxyaustrospicatine

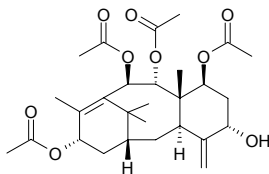
[119777-80-9] C₃₉H₅₃NO₁₀ (695.86). Source: AO DA LI YA HONG DOU SHAN *Austrotaxus spicata*, XI MA LA YA HONG DOU SHAN *Taxus wallichiana*. Ref: 662.

**4703 2'-Deacetoxyaustrotaxine**

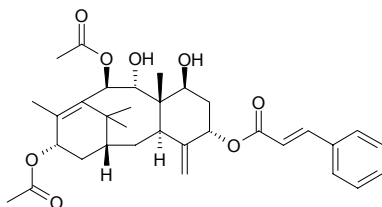
[119777-74-1] C₃₉H₅₁NO₁₁ (709.84). Source: AO DA LI YA HONG DOU SHAN *Austrotaxus spicata*. Ref: 662.

**4704 2-Deacetoxy-5-decinnamoyl taxinine J**

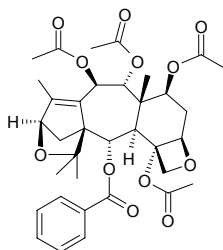
C₂₈H₄₀O₉ (520.63). White massive crystals, mp 178–180°C, [α]_D¹² = +112.93° (c = 0.058, chloroform). Source: JIANG GUO ZI SHAN *Taxus baccata*, XI MA LA YA HONG DOU SHAN *Taxus wallichiana*, YUN NAN HONG DOU SHAN *Taxus yunnanensis*. Ref: 296, 662.

**4705 2-Deacetoxy-7,9-dideacetyltaxinine J**

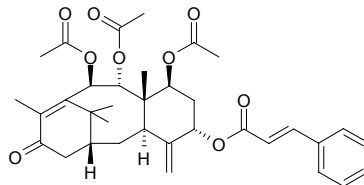
C₃₃H₄₂O₈ (566.70). Source: HONG DOU SHAN *Taxus chinensis*, YUN NAN HONG DOU SHAN *Taxus yunnanensis* (aerial parts)^[4611]. Ref: 662, 4611.

**4706 13-Deacetoxy-13,15-epoxy-11(15→1)-abeo-13-epi-baccatin VI**

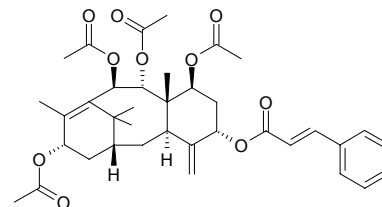
C₃₅H₄₂O₁₂ (654.72). [α]_D = +23.9° (CHCl₃), mp 150°C. Source: ZA JIAO JIE ZHI HONG DOU SHAN *Taxus x media*. Ref: 662.

**4707 2-Deacetoxytaxinine B**

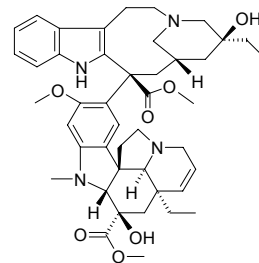
C₃₅H₄₂O₉ (606.72). Source: XI MA LA YA HONG DOU SHAN *Taxus wallichiana*. Ref: 662.

**4708 2-Deacetoxytaxinine J**

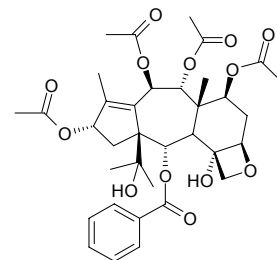
[119347-14-7] C₃₇H₄₆O₁₀ (650.77). Colorless crystals, mp 171–172°C (ethanol), [α]_D¹⁴ = +50° (c = 1.2, acetone). Pharm: Cytotoxic (P₃₈₈ *in vitro*, IC₅₀ = 15.2 μg/mL, L₁₂₁₀ *in vitro*, IC₅₀ = 4.9 μg/mL, 10 μg/mL InRt = 79.5%, KB *in vitro*, 10 μg/mL InRt = 27.6%). Source: MEI LI HONG DOU SHAN *Taxus mairei*, YUN NAN HONG DOU SHAN *Taxus yunnanensis* (aerial parts)^[3079, 4611], ZI SHAN *Taxus cuspidata*. Ref: 662, 900, 3079, 4611.

**4709 Deacetoxyvinblastine**

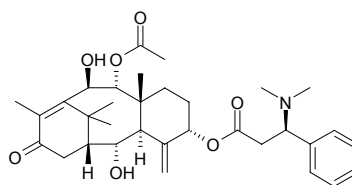
C₄₄H₅₆N₄O₇ (752.96). Source: CHANG CHUN HUA *Catharanthus roseus* [Syn. *Vinca rosea*; *Lochera rosea*]. Ref: 2.

**4710 4-Deacetyl-11(15→1)-abeo-baccatin VI**

C₃₅H₄₄O₁₃ (672.73). mp 222°C, [α]_D = -73.1° (CHCl₃). Source: ZA JIAO JIE ZHI HONG DOU SHAN *Taxus x media*. Ref: 662.

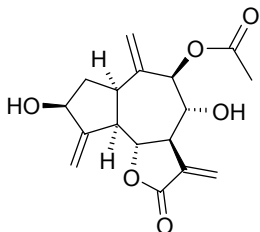
**4711 2-Deacetyl-9-acetoxytaxinine B**

C₃₃H₄₅NO₇ (567.73). Source: JIANG GUO ZI SHAN *Taxus baccata*. Ref: 662.

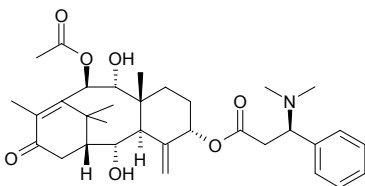


4712 3-O-Deacetyl-9-O-acetylsalograviolide A

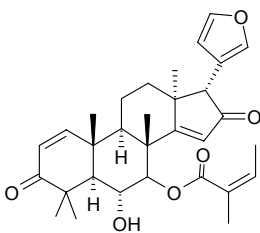
$C_{17}H_{20}O_6$ (320.35). Colorless solid, $[\alpha]_D^{22} = +29.80^\circ$ ($c = 0.0436$, MeOH). **Pharm:** Antifungal (*Aspergillus niger*, MIC = 6.25 $\mu\text{g}/\text{mL}$; *Aspergillus ochraceus*, MIC = 3.13 $\mu\text{g}/\text{mL}$; *Penicillium ochrocloron*, MIC = 25 $\mu\text{g}/\text{mL}$; *Cladosporium cladosporioides*, MIC = 3.13 $\mu\text{g}/\text{mL}$; *Fusarium tricinctum*, MIC = 12.5 $\mu\text{g}/\text{mL}$; *Phomopsis helianthi*, MIC = 1.56 $\mu\text{g}/\text{mL}$, *Trichoderma viride*, inactive). **Source:** NI GU LA SHI CHE JU *Centaurea nicolai*. **Ref:** 2361.

**4713 2-Deacetyl-10-acetyltaxine B**

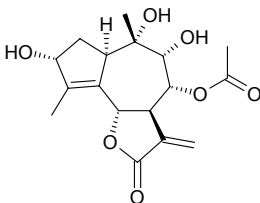
$C_{33}H_{45}NO_7$ (567.73). **Source:** JIANG GUO ZI SHAN *Taxus baccata*. **Ref:** 662.

**4714 7-Deacetyl-7-angeloyl-6 α -hydroxyazadiradione**

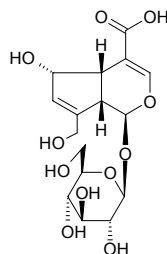
$C_{31}H_{38}O_6$ (506.64). Pale yellow solid, mp 91~94°C, $[\alpha]_D = +69^\circ$ ($c = 0.658$, CHCl_3). **Source:** *Quivisia papinae* (seed). **Ref:** 3759.

**4715 9-O-Deacetylanthemolide D**

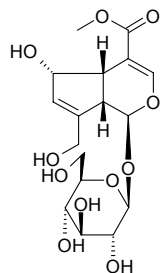
$C_{17}H_{22}O_7$ (338.36). Pale yellow oil. **Source:** *Anthemis carpatica* (aerial parts). **Ref:** 3974.

**4716 Deacetyl asperulosidic acid**

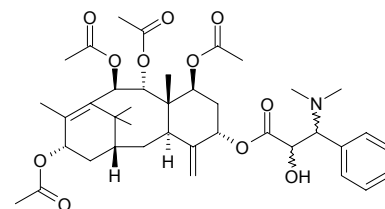
Citroside A [14259-55-3] $C_{16}H_{22}O_{11}$ (390.35). Colorless acicular crystals, mp 146°C, $[\alpha]_D^{34} = +11.1^\circ$ ($c = 0.36$, water). **Pharm:** TNF- α release inhibitor (cultured mouse peritoneal macrophages, $\text{IC}_{50} = 1 \mu\text{g}/\text{mL}$)^[1605]; Laxative. **Source:** CHANG WEI CU YE MU *Lasianthus acuminatissimus* (root: yield = 0.0046%dw)^[1605], HAI BA JI *Morinda citrifolia* (fruit), JIAO RANG MU *Daphniphyllum macropodum*, XIE JI CU YE MU *Lasianthus wallichii* (leaf), ZHI ZI *Gardenia jasminoides* [Syn. *Gardenia florida*]. **Ref:** 661, 1605, 4238, 4542.

**4717 Deacetyl asperulosidic acid methyl ester**

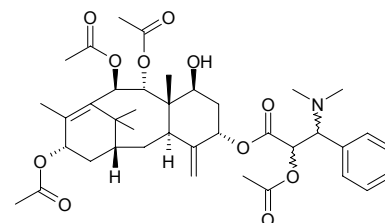
Methyldeacetylasperulosidate $C_{17}H_{24}O_{11}$ (404.37). **Pharm:** Laxative (mus, $\text{ED}_{50} = 0.53 \text{g}/\text{kg}$). **Source:** SHUI ZHI *Gardenia jasminoides* var. *grandiflora*, ZHI ZI *Gardenia jasminoides* [Syn. *Gardenia florida*]. **Ref:** 2, 6, 626, 658.

**4718 2'-Deacetylaustrospicatine**

[119777-78-5] $C_{39}H_{53}NO_{11}$ (711.86). **Source:** AO DA LI YA HONG DOU SHAN *Austrotaxus spicata*. **Ref:** 662.

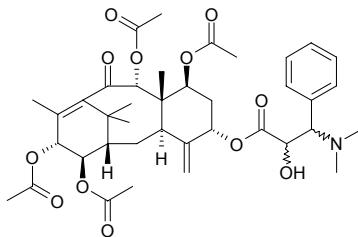
**4719 7-Deacetylaustrospicatine**

[119777-79-6] $C_{39}H_{53}NO_{11}$ (711.86). **Source:** AO DA LI YA HONG DOU SHAN *Austrotaxus spicata*. **Ref:** 662.

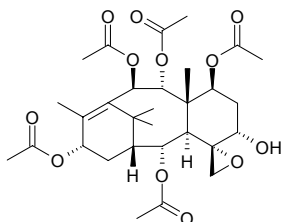


4720 2'-Deacetylaustrotaxine

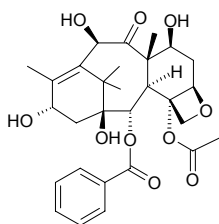
[119777-74-1] C₃₉H₅₁NO₁₂ (725.84). Source: AO DA LI YA HONG DOU SHAN *Austrotaxus spicata*. Ref: 662.

**4721 5 α -Deacetylbaaccatin I**

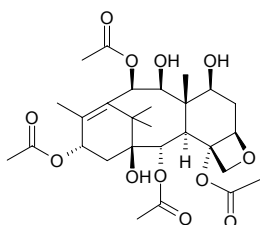
[30244-36-1] C₃₀H₄₂O₁₂ (594.66). Source: JIANG GUO ZI SHAN *Taxus baccata*. Ref: 662.

**4722 10-Deacetylbaaccatin III**

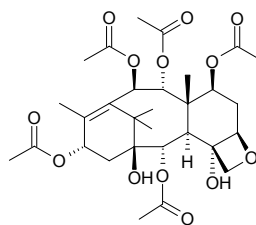
C₂₉H₃₆O₁₀ (544.62). Pharm: Cytotoxic (*in vitro*, 30 μg/mL: A498, InRt = 27.0%; NCI-H226, InRt = 5.7%; A549, InRt = 12.2%; PC3, InRt = 1.6%; control Taxol, 30 μg/mL: A498, InRt = 98.2%; NCI-H226, InRt = 71.2%; A549, InRt = 79.7%; PC3, InRt = 91.7%)^[4800]. Source: DUAN YE HONG DOU SHAN *Taxus brevifolia*, JIANG GUO ZI SHAN *Taxus baccata*, SU MEN DA LA HONG DOU SHAN *Taxus sumatrana* (twig and leaf: yield = 0.0082% dw^[4666]), YUN NAN HONG DOU SHAN *Taxus yunnanensis*. Ref: 316, 563, 662, 4666, 4800.

**4723 7,9-Deacetylbaaccatin IV**

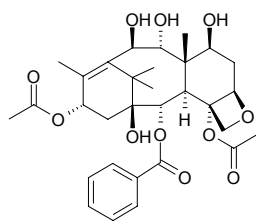
C₂₈H₄₀O₁₂ (568.62). Source: JIANG GUO ZI SHAN *Taxus baccata*, DUAN YE HONG DOU SHAN *Taxus brevifolia*. Ref: 662.

**4724 4-Deacetylbaaccatin IV**

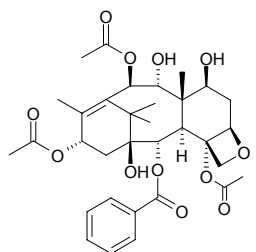
C₃₀H₄₂O₁₃ (610.66). Source: ZA JIAO JIE ZHI HONG DOU SHAN *Taxus x media*. Ref: 662.

**4725 7,9,10-Deacetylbaaccatin VI**

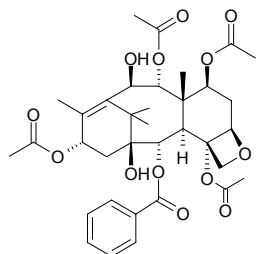
C₃₁H₄₀O₁₁ (588.66). Source: JIA NA DA HONG DOU SHAN *Taxus canadensis*. Ref: 662.

**4726 7,9-Deacetylbaaccatin VI**

9-Dihydro-13-acetylbaaccatin III C₃₃H₄₂O₁₂ (630.70). mp 221°C. Pharm: NO production inhibitor (IC₅₀ = 78.8 μmol/L, control *L*-NMMA, IC₅₀ = 28.5 μmol/L)^[5407]. Source: JIA NA DA HONG DOU SHAN *Taxus Canadensis*, YUN NAN HONG DOU SHAN *Taxus yunnanensis* (wood). Ref: 662, 5407.

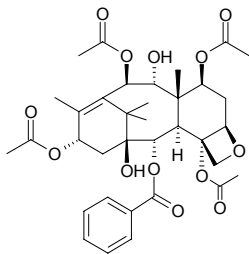
**4727 10-Deacetylbaaccatin VI**

C₃₅H₄₄O₁₃ (672.73). Source: YUN NAN HONG DOU SHAN *Taxus yunnanensis*. Ref: 662.

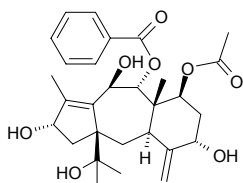


4728 9-Deacetyl-9-baccatin VI

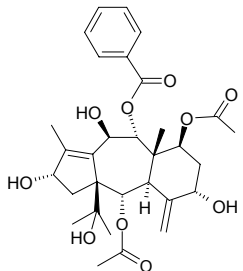
$C_{35}H_{44}O_{13}$ (672.73). Source: YUN NAN HONG DOU SHAN *Taxus yunnanensis*. Ref: 662.

**4729 9-Deacetyl-9-benzoyl-10-debenzoylbrevifoliol**

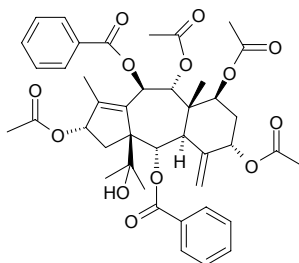
$C_{29}H_{38}O_8$ (514.62). mp 152°C, $[\alpha]_D = +18^\circ$ (CHCl₃). Source: DUAN YE HONG DOU SHAN *Taxus brevifolia*. Ref: 662.

**4730 9-Deacetyl-9-benzoyl-10-debenzoyltaxchinin A**

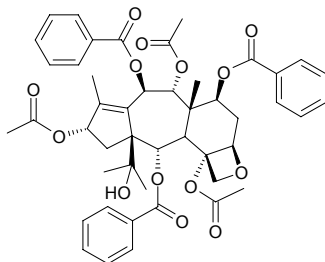
$C_{31}H_{40}O_{10}$ (572.66). $[\alpha]_D = +19.4^\circ$ (MeOH). Source: JIANG GUO ZI SHAN *Taxus baccata*. Ref: 662.

**4731 2-Deacetyl-2α-benzoyl-5,13-diacetyltaxchinin A**

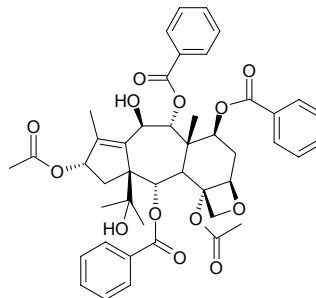
$C_{42}H_{48}O_{13}$ (760.84). mp 200–203°C, $[\alpha]_D = -21.5^\circ$. Source: DUAN YE HONG DOU SHAN *Taxus brevifolia*. Ref: 662.

**4732 7-Deacetyl-7-benzoyltaxayuntin C**

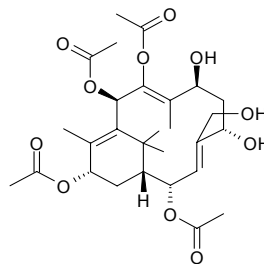
$C_{47}H_{50}O_{14}$ (838.91). mp 234–236°C. Source: DUAN YE HONG DOU SHAN *Taxus brevifolia*. Ref: 662.

**4733 7-Deacetyl-7-benzoyltaxchinin I**

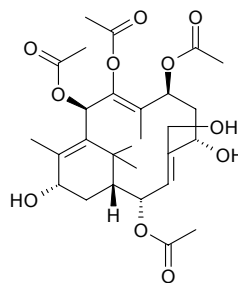
$C_{45}H_{48}O_{13}$ (796.88). mp 255°C. Source: DUAN YE HONG DOU SHAN *Taxus brevifolia*. Ref: 662.

**4734 7-Deacetylcanadensene**

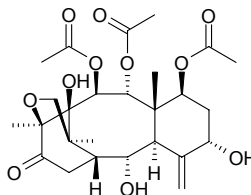
$C_{28}H_{40}O_{11}$ (552.62). White amorphous solid, mp 95–96°; $[\alpha]_D^{25} = +5.33^\circ$ ($c = 0.003$, CHCl₃). Source: MEI LI HONG DOU SHAN *Taxus mairei*. Ref: 662, 1914.

**4735 13-Deacetylcanadensene**

$C_{28}H_{40}O_{11}$ (552.62). White amorphous solid, mp 98–99°; $[\alpha]_D^{24} = +4.52^\circ$ ($c = 0.003$, CHCl₃). Source: MEI LI HONG DOU SHAN *Taxus mairei*. Ref: 662, 1914.

**4736 2α-Deacetyl-5α-decinnamoyltaxagifine**

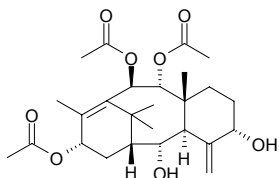
$C_{26}H_{36}O_{11}$ (524.57). Source: HONG DOU SHAN *Taxus chinensis*, SU MEN DA LA HONG DOU SHAN *Taxus sumatrana* (twig and leaf)^[4800]. Ref: 662, 4800.



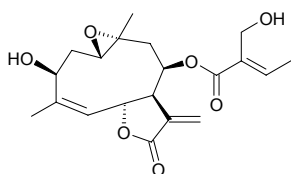
4737 2-Deacetyldecinnamoyltaxinine E

Deacetyldecinnamoyltaxinine E $C_{26}H_{38}O_8$ (478.59). $[\alpha]_D^{25} = +72^\circ$ ($CHCl_3$).

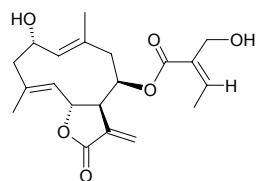
Source: JIANG GUO ZI SHAN *Taxus baccata*, HONG DOU SHAN *Taxus chinensis*. Ref: 662.

**4738 3-Deacetylepupalin A**

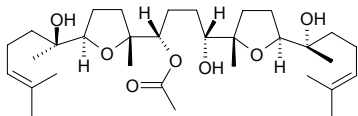
$C_{20}H_{26}O_7$ (378.43). Source: CHENG GAN SHENG MA *Eupatorium lindleyanum* (whole herb: yield = 0.0023%dw). Ref: 4762.

**4739 Deacetylepaserrin**

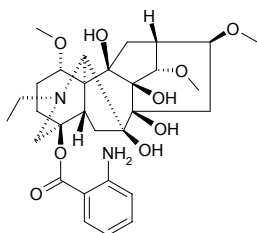
Desacetylepaserrin [38456-39-2] $C_{20}H_{26}O_6$ (362.43). $[\alpha]_D^{25} = +75.0^\circ$ ($c = 0.92$, methanol). Pharm: Antineoplastic (P_{388} , 18mg/kg); cytotoxic (KB, $ED_{50} = 0.29\mu g/mL$); larvicide (insect larva growth inhibitor). Source: AI XIANG RI KUI *Helianthus pumilus*, BAN JU CHI ZHUANG ZE LAN *Eupatorium semiserratum*, WEI GAN JU ZE LAN *Eupatorium mikanioides*, *Helianthus* sp. Ref: 658, 661.

**4740 14-Deacetyleurylene**

$C_{32}H_{56}O_7$ (552.80). Pharm: Cytotoxic (KB cells, $IC_{50} = 0.52\mu g/mL$)^[4556]. Source: *Eurycoma* sp. Ref: 4556.

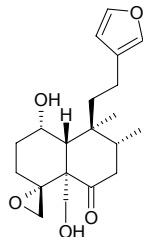
**4741 N-Deacetylfinaconitine**

[82872-81-9] $C_{30}H_{42}N_2O_9$ (574.68). Pharm: Analgesic; toxin. Source: GAN WAN WU TOU *Aconitum finetianum*. Ref: 658.

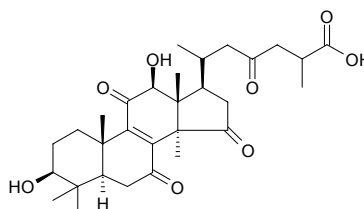
**4742 Deacetylfruticolone**

$C_{20}H_{28}O_5$ (348.44). Colorless oil, $[\alpha]_D^{25} = +5.4^\circ$ ($c = 0.22$, $CHCl_3$).

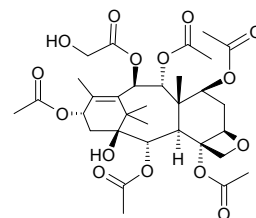
Pharm: Insect antifeedant (fifth instar larvae of *Spodoptera littoralis*, dual-choice feeding assays, dose = $10\mu g/cm^2$, $FR_{50} = 1.03\pm 0.07$). Source: GUAN CONG XIANG KE KE *Teucrium fruticans*. Ref: 3761.

**4743 12-Deacetylganoderic acid H**

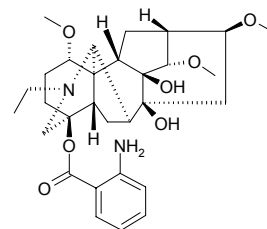
$C_{30}H_{42}O_8$ (530.66). Source: LING ZHI *Ganoderma lucidum* (dried sporocarp: yield = 0.0021%). Ref: 4603.

**4744 10-Deacetyl-10-glycolylbaccatin IV**

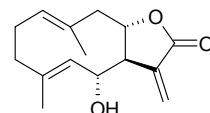
$C_{32}H_{44}O_{15}$ (668.70). Gum. Source: JIA NA DA HONG DOU SHAN *Taxus canadensis* (needle leaf). Ref: 3958.

**4745 N-Deacetylappaconitine**

Puberanidine [11033-64-0] $C_{30}H_{42}N_2O_7$ (542.68). Pharm: Analgesic; toxin. Source: GAN WAN WU TOU *Aconitum finetianum*. Ref: 658.

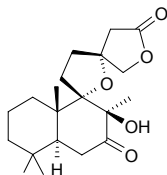
**4746 Deacetyl-laurenobiolide**

$C_{15}H_{20}O_3$ (248.32). Pharm: Anti-inflammatory (RAW264.7 cells, LPS-induced: NF- κ B inhibitor, $IC_{50} = (7.17\pm 0.16)\mu mol/L$, control PTN, $IC_{50} = (3.42\pm 0.08)\mu mol/L$; NO production inhibitor, $IC_{50} = (5.76\pm 0.28)\mu mol/L$, PTN, $IC_{50} = (2.41\pm 0.06)\mu mol/L$, AG, $IC_{50} = (34.18\pm 0.98)\mu mol/L$; TNF- α production inhibitor, $IC_{50} = (27.76\pm 1.76)\mu mol/L$, PTN, $IC_{50} = (2.68\pm 0.11)\mu mol/L$). Source: LIN DI HAO *Artemisia sylvatica* (aerial parts). Ref: 3837.

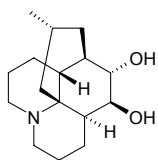


4747 8-Deacetylpepersin A

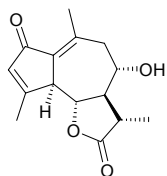
$C_{20}H_{30}O_5$ (350.46). White powder. Source: BO SI YI MU CAO *Leonurus persicus*. Ref: 2499.

**4748 Deacetyllycochlorine**

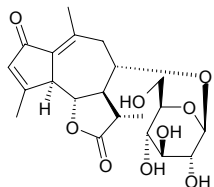
$C_{16}H_{27}NO_2$ (265.40). Source: QIAN CENG TA *Huperzia serrata* [Syn. *Lycopodium serratum*]. Ref: 4388.

**4749 Deacetylmatricarin**

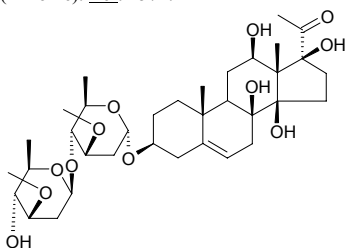
$C_{15}H_{18}O_4$ (262.31). mp 123~125°C; 143~146°C. Source: DAO LUAN YE PU GONG YING GEN *Taraxacum obovatum*, YANG SHI CAO *Achillea millefolium*, YI KUA *Artemisia myriantha* (aerial parts), YI ZHI HAO *Achillea alpina* [Syn. *Achillea sibirica*]. Ref: 6, 4618, 5357.

**4750 Deacetylmatricarin 8-O-β-glucopyronoside**

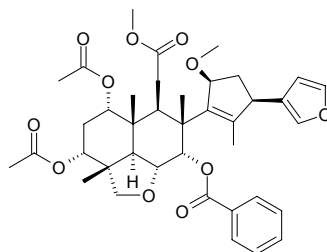
$C_{21}H_{28}O_9$ (424.45). Colorless gum, $[\alpha]_D^{26} = -52.4^\circ$ ($c = 0.82$, MeOH). Source: DAO LUAN YE PU GONG YING GEN *Taraxacum obovatum*. Ref: 5357.

**4751 Deacetylmetaplexigenin 3-O-β-D-oleandropyranosyl-(1→4)-α-D-oleandropyranoside**

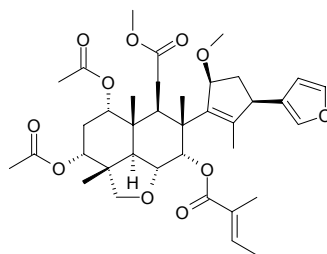
$C_{35}H_{56}O_{12}$ (668.83). White powder, mp 118~121°C, $[\alpha]_D^{20} = +4.8^\circ$ ($c = 0.21$, EtOH). Source: QING YANG SHEN *Cynanchum otophyllum* (rhizome). Ref: 4574.

**4752 15-O-Deacetyl-15-O-methylnimbolidin A**

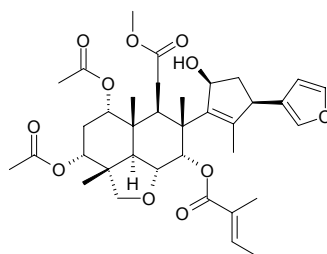
$C_{39}H_{48}O_{11}$ (692.81). Colorless amorphous solid, $[\alpha]_D^{21} = -5.8^\circ$ ($c = 1.26$, $CHCl_3$). Pharm: Cytotoxic (HeLa-S3, $IC_{50} = 37.4\mu mol/L$, control 5-FU, $IC_{50} = 5.40\mu mol/L$, Cisplatin, $IC_{50} = 2.46\mu mol/L$). Source: KU LIAN SHI *Melia azedarach* (ripe fruit). Ref: 4528.

**4753 15-O-Deacetyl-15-O-methylnimbolidin B**

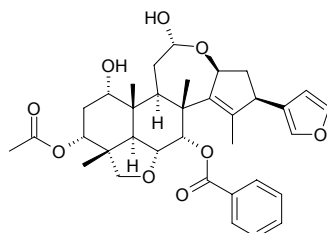
$C_{37}H_{50}O_{11}$ (670.80). Colorless amorphous solid, $[\alpha]_D^{21} = -6.7^\circ$ ($c = 1.28$, $CHCl_3$). Pharm: Cytotoxic (HeLa-S3, $IC_{50} = 28.3\mu mol/L$, control 5-FU, $IC_{50} = 5.40\mu mol/L$, Cisplatin, $IC_{50} = 2.46\mu mol/L$). Source: KU LIAN SHI *Melia azedarach* (ripe fruit). Ref: 4528.

**4754 15-O-Deacetylnimbolidin B**

$C_{36}H_{48}O_{11}$ (656.78). Colorless amorphous solid, $[\alpha]_D^{21} = -6.7^\circ$ ($c = 1.28$, $CHCl_3$). Pharm: Cytotoxic (HeLa-S3, $IC_{50} = 0.10\mu mol/L$, control 5-FU, $IC_{50} = 5.40\mu mol/L$, Cisplatin, $IC_{50} = 2.46\mu mol/L$). Source: KU LIAN SHI *Melia azedarach* (ripe fruit). Ref: 4528.

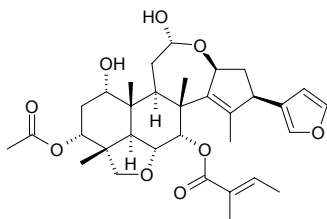
**4755 1-Deacetylnimbolidin A**

$C_{33}H_{42}O_9$ (606.72). Amorphous powder, $[\alpha]_D = -7^\circ$ ($c = 0.15$). Source: CHUAN LIAN PI *Melia toosendan*. Ref: 2374.

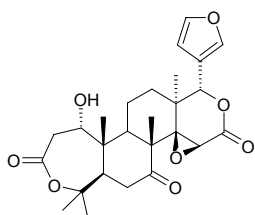


4756 1-Deacetylnimbolin B

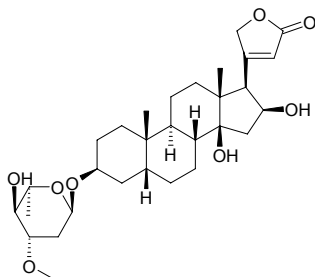
$C_{33}H_{44}O_9$ (584.71). Amorphous powder. Source: CHUAN LIAN PI *Melia toosendan*. Ref: 2374.

**4757 Deacetylnomilin**

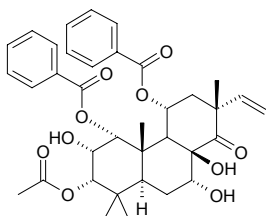
$C_{26}H_{32}O_8$ (472.54). Source: YOU HE *Citrus grandis*. Ref: 6.

**4758 Deacetyloleandrin**

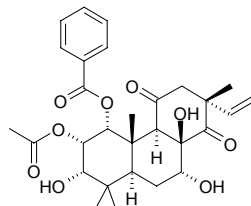
$C_{30}H_{46}O_8$ (534.70). mp 235–238°C. Source: JIA ZHU TAO *Nerium indicum*. Ref: 6.

**4759 7-O-Deacetylorthosiphol B**

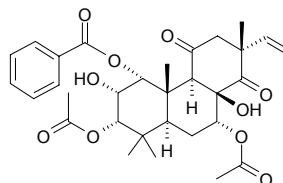
$C_{36}H_{42}O_{10}$ (634.73). Colorless amorphous solid, $[\alpha]_D^{25} = -94.4^\circ$ ($c = 0.033$, $CHCl_3$). Pharm: NO production inhibitor (LPS-activated macrophage-like J774.1 cells, $IC_{50} = 102\mu mol/L$; control *L*-NMMA, $IC_{50} = 26.0\mu mol/L$, Polymixin B, $IC_{50} = 27.8\mu g/mL$, Dexamethasone $IC_{50} = 170\mu mol/L$). Source: XIONG RUI ZHUANG ZHI GUAN CAO *Orthosiphon stamineus* [Syn: *Orthosiphon aristatus*; *Orthosiphon grandiflorus*; *Orthosiphon spicatus*] (aerial parts). Ref: 4322.

**4760 3-O-Deacetylorthosiphol I**

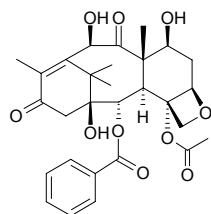
$C_{29}H_{36}O_9$ (528.60). Colorless amorphous solid, $[\alpha]_D^{25} = -47.8^\circ$ ($c = 0.04$, $CHCl_3$). Pharm: NO production inhibitor (LPS-activated macrophage-like J774.1 cells, $IC_{50} = 66.3\mu mol/L$; control *L*-NMMA, $IC_{50} = 26.0\mu mol/L$, Polymixin B, $IC_{50} = 27.8\mu g/mL$, Dexamethasone $IC_{50} = 170\mu mol/L$). Source: XIONG RUI ZHUANG ZHI GUAN CAO *Orthosiphon stamineus* [Syn: *Orthosiphon aristatus*; *Orthosiphon grandiflorus*; *Orthosiphon spicatus*] (aerial parts: yield = 0.000045%dw). Ref: 4322, 4741.

**4761 2-O-Deacetylorthosiphol J**

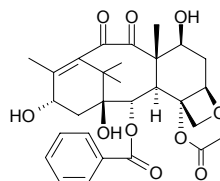
$C_{31}H_{38}O_{10}$ (570.64). Colorless amorphous solid, $[\alpha]_D^{25} = -48.6^\circ$ ($c = 0.044$, $CHCl_3$). Pharm: NO production inhibitor (LPS-activated macrophage-like J774.1 cells, $IC_{50} = 24.1\mu mol/L$; control *L*-NMMA, $IC_{50} = 26.0\mu mol/L$, Polymixin B, $IC_{50} = 27.8\mu g/mL$, Dexamethasone $IC_{50} = 170\mu mol/L$). Source: XIONG RUI ZHUANG ZHI GUAN CAO *Orthosiphon stamineus* [Syn: *Orthosiphon aristatus*; *Orthosiphon grandiflorus*; *Orthosiphon spicatus*] (aerial parts). Ref: 4322.

**4762 10-Deacetyl-13-oxobaccatin III**

$C_{29}H_{34}O_{10}$ (542.59). Pharm: Cytotoxic (*in vitro*, 30 $\mu g/mL$: A498, InRt = 29.7%; NCI-H226, InRt = 49.2%; A549, InRt = 43.9%; PC3, InRt = 65.3%; control Taxol, 30 $\mu g/mL$: A498, InRt = 98.2%; NCI-H226, InRt = 71.2%; A549, InRt = 79.7%; PC3, InRt = 91.7%). Source: SU MEN DA LA HONG DOU SHAN *Taxus sumatrana* (leaf and twig). Ref: 4800.

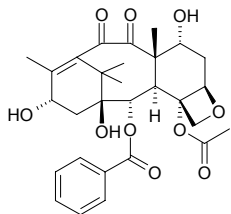
**4763 10-Deacetyl-10-oxobaccatin III**

$C_{29}H_{34}O_{10}$ (542.59). Pharm: Cytotoxic (*in vitro*, 30 $\mu g/mL$: A498, InRt = 79.1%; NCI-H226, InRt = 97.3%; A549, InRt = 54.7%; PC3, InRt = 100%; control Taxol, 30 $\mu g/mL$: A498, InRt = 98.2%; NCI-H226, InRt = 71.2%; A549, InRt = 79.7%; PC3, InRt = 91.7%). Source: SU MEN DA LA HONG DOU SHAN *Taxus sumatrana* (leaf and twig). Ref: 4800.

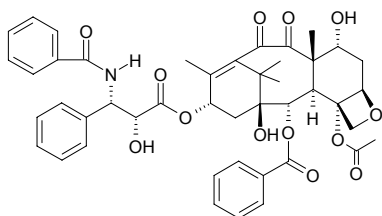


4764 10-Deacetyl-10-oxobaccatin V

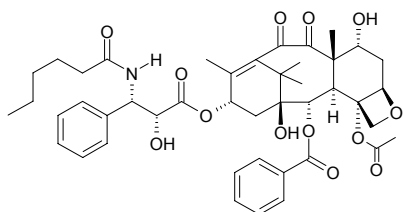
$C_{29}H_{34}O_{10}$ (542.59). Source: HONG DOU SHAN *Taxus chinensis*. Ref: 662.

**4765 10-Deacetyl-10-oxo-7-epitaxol**

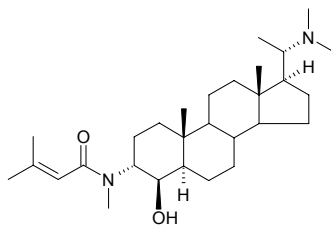
$C_{45}H_{47}NO_{13}$ (809.88). $[\alpha]_D^{25} = -60.4$ (MeOH). Source: DUAN YE HONG DOU SHAN *Taxus brevifolia*, SU MEN DA LA HONG DOU SHAN *Taxus sumatrana* (twig and leaf: yield = 0.000026%dw)^[4666]. Ref: 662, 4666.

**4766 10-Deacetyl-10-oxo-7-epitaxuyunnanine A**

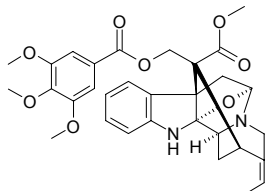
$C_{44}H_{53}NO_{13}$ (803.91). $[\alpha]_D^{25} = -70.8^\circ$ (CHCl₃). Source: YUN NAN HONG DOU SHAN *Taxus yunnanensis*. Ref: 662.

**4767 O-Deacetylpachysandrine B**

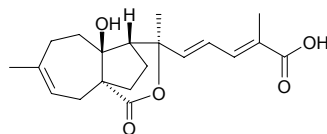
$C_{29}H_{50}N_2O_2$ (458.73). mp 184~185°C. Source: XUE SHAN LIN *Pachysandra terminalis*. Ref: 6.

**4768 Deacetylpicaline-3,4,5-trimethoxybenzoat**

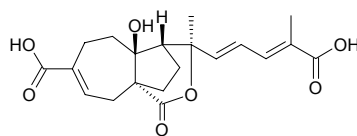
$C_{31}H_{34}N_2O_8$ (562.63). White acicular crystals, mp 222°C, $[\alpha]_D^{17} = -185^\circ$ (c = 0.052, chloroform). Source: DIAN JI GU CHANG SHAN *Alstonia yunnanensis*. Ref: 42.

**4769 Deacetylpsedolaric acid A**

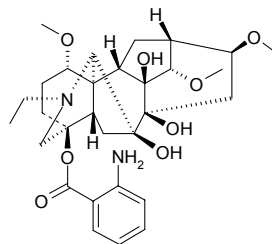
$C_{20}H_{26}O_5$ (346.43). Source: TU JING PI *Pseudolarix amabilis* [Syn. *Larix amabilis*; *Pseudolarix kaempferi*] (root cortex: yield = 0.00003%dw). Ref: 4637.

**4770 Deacetylpsedolaric acid C₂**

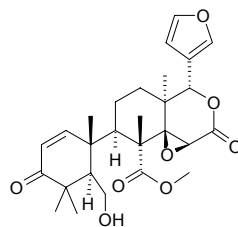
$C_{20}H_{24}O_7$ (376.41). Source: TU JING PI *Pseudolarix amabilis* [Syn. *Larix amabilis*; *Pseudolarix kaempferi*] (root cortex: yield = 0.00025%dw). Ref: 4637.

**4771 N-Deacetylraconitine**

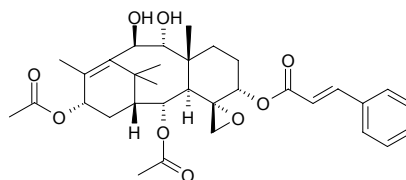
[82872-80-8] $C_{30}H_{42}N_2O_8$ (558.68). Pharm: Analgesic; toxin. Source: GAN WAN WU TOU *Aconitum finetianum*. Ref: 658.

**4772 Deacetylsecmahoganin**

$C_{27}H_{34}O_8$ (486.57). White amorphous powder. Source: TAO HUA XIN MU *Swietenia mahogany* (leaf). Ref: 4420.

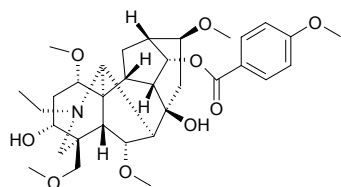
**4773 10β-Deacetylpicatinine**

$C_{33}H_{42}O_9$ (582.70). Source: AO DA LI YA HONG DOU SHAN *Austrotaxus spicata*. Ref: 662.

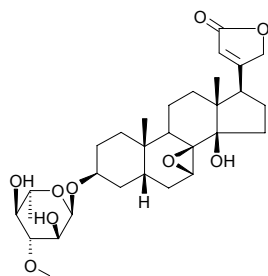


4774 8-Deacetylsungpanconitine

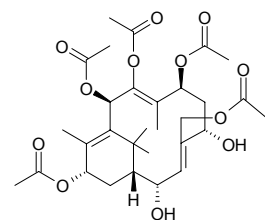
$C_{33}H_{47}NO_9$ (601.74). Source: ZHUA KUI GUA YE WU TOU *Aconitum hemsleyanum* var. *leueanthus* (root; yield = 0.0027%dw). Ref: 4678.

**4775 Deacetyltanghinin**

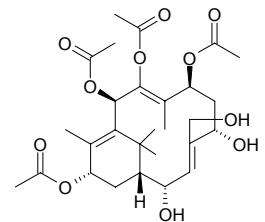
$C_{30}H_{44}O_9$ (548.68). Pharm: Cytotoxic (KB, $ED_{50} = 0.05\mu\text{g/mL}$, BC, $ED_{50} = 1.48\mu\text{g/mL}$, NCI-H187, $ED_{50} = 0.1\mu\text{g/mL}$)^[2594]. Source: NIU XIN QIE ZI *Cerbera manghas*. Ref: 2594.

**4776 2-Deacetyltaxachitriene A**

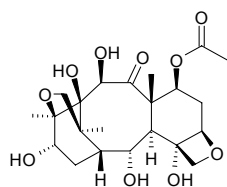
$C_{30}H_{42}O_{12}$ (594.66). mp 82~83°C, $[\alpha]_D = -51^\circ$ (CHCl_3). Source: HONG DOU SHAN *Taxus chinensis*. Ref: 662.

**4777 5-Deacetyltaxachitriene B**

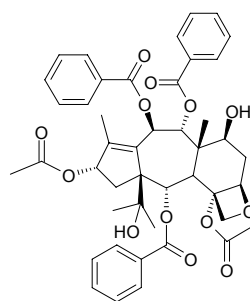
$C_{28}H_{40}O_{11}$ (552.62). mp 96~98°C, $[\alpha]_D = +67.7^\circ$ (MeOH). Source: HONG DOU SHAN *Taxus chinensis*. Ref: 662.

**4778 4-Deacetyltaxagifine III**

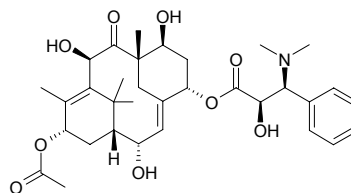
[135962-71-9] $C_{22}H_{32}O_{10}$ (456.49). mp 221~223°C, $[\alpha]_D = +38.1^\circ$ (MeOH). Source: HONG DOU SHAN *Taxus chinensis*. Ref: 662.

**4779 7-Deacetyltaxayuntin D**

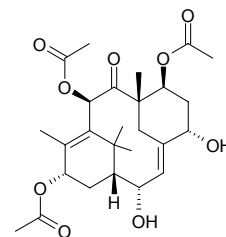
$C_{45}H_{48}O_{13}$ (796.88). mp 164~166°C. Source: DUAN YE HONG DOU SHAN *Taxus brevifolia*. Ref: 662.

**4780 2-Deacetyltaxine A**

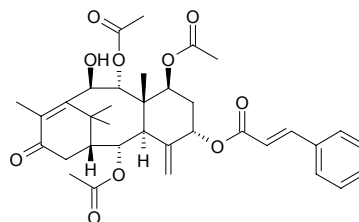
Taxine C $C_{33}H_{45}NO_9$ (599.73). mp 220~221°C, $[\alpha]_D = -106^\circ$ (CHCl_3), $[\alpha]_D = -73^\circ$ (CHCl_3). Source: JIANG GUO ZI SHAN *Taxus baccata*. Ref: 662, 1498.

**4781 2-Deacetyltaxine B**

2-Deacetyl-7,10-diacetyl-5-deaminoacyl taxine A $C_{26}H_{36}O_9$ (492.57). mp 178~179°C, $[\alpha]_D = -218.2^\circ$ (CHCl_3). Source: JIA NA DA HONG DOU SHAN *Taxus canadensis* (needle leaf), YUN NAN HONG DOU SHAN *Taxus yunnanensis*. Ref: 662, 3958.

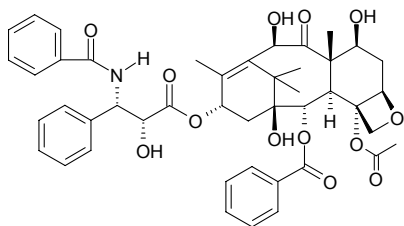
**4782 10-Deacetyl taxinine B**

$C_{35}H_{42}O_{10}$ (622.72). Colorless thin acicular crystals, mp 245~248°C. Source: ZI SHAN *Taxus cuspidata*. Ref: 291, 662.

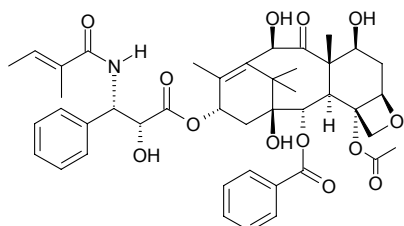


4783 10-Deacetyltaxol

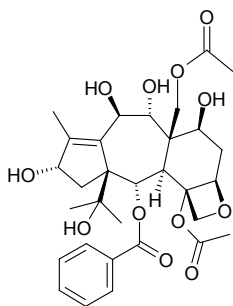
$C_{45}H_{49}NO_{13}$ (811.89). $[\alpha]_D = -3^\circ$ (pyridine). Source: XI MA LA YA HONG DOU SHAN *Taxus wallichiana*, JIANG GUO ZI SHAN *Taxus baccata*. Ref: 662.

**4784 10-Deacetyltaxol B**

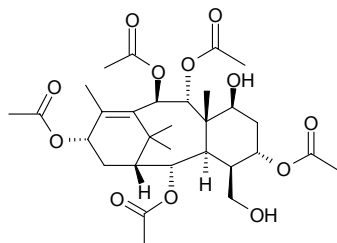
10-Deacetylcephalomannine $C_{43}H_{51}NO_{13}$ (789.88). $[\alpha]_D = -2^\circ$ (pyridine). Source: XI MA LA YA HONG DOU SHAN *Taxus wallichiana*, JIANG GUO ZI SHAN *Taxus baccata*. Ref: 662.

**4785 13-O-Deacetyltaxumairol Z**

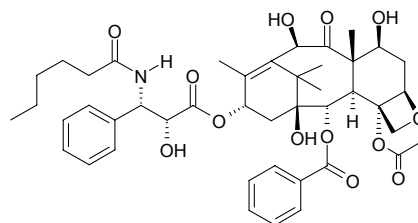
$C_{31}H_{40}O_{12}$ (604.66). Amorphous powder, $[\alpha]_D^{25} = -42^\circ$ ($c = 0.5$, $CHCl_3$). Source: MEI LI HONG DOU SHAN *Taxus mairei* (root). Ref: 4250.

**4786 7-Deacetyltaxuspine L**

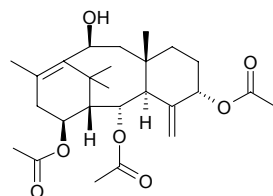
$C_{30}H_{44}O_{12}$ (596.68). Gum. Source: JIA NA DA HONG DOU SHAN *Taxus canadensis* (needle leaf). Ref: 3958.

**4787 10-Deacetyltaxuyunnanine A**

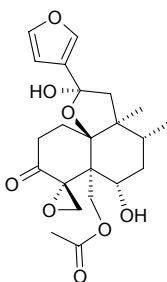
10-Deacetyltaxol C $C_{44}H_{55}NO_{13}$ (805.93). $[\alpha]_D = -50.9^\circ$ ($CHCl_3$). Source: SU MEN DA LA HONG DOU SHAN *Taxus sumatrana* (twig and leaf: yield = 0.000026%dw)^[4666], YUN NAN HONG DOU SHAN *Taxus yunnanensis*. Ref: 662, 4666.

**4788 10-Deacetyltaxuyunnanine C**

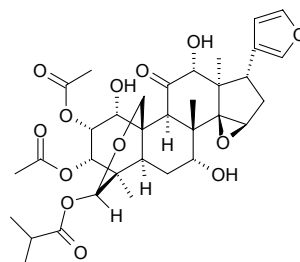
$C_{26}H_{38}O_7$ (462.59). Pharm: Cytotoxic (*in vitro*, Colon26-L5, $EC_{50} = 76.1 \mu g/mL$; HT1080, $EC_{50} = 53.8 \mu g/mL$; control 5-FU, 26-L5, $EC_{50} = 0.29 \mu g/mL$; HT1080, $EC_{50} = 0.07 \mu g/mL$)^[4661], NO production inhibitor ($IC_{50} = 28.5 \mu mol/L$, control *L*-NMMA, $IC_{50} = 28.5 \mu mol/L$)^[5407]. Source: YUN NAN HONG DOU SHAN *Taxus yunnanensis* (wood: yield = 0.0031%dw). Ref: 4661, 5407.

**4789 6-Deacetyl-teucrolivin A**

$C_{22}H_{28}O_8$ (420.46). Amorphous solid, $[\alpha]_D^{25} = +39.60^\circ$ ($c = 1.0$, $CHCl_3$). Source: DONG FANG XIANG KE KE *Teucrium orientale*. Ref: 2552.

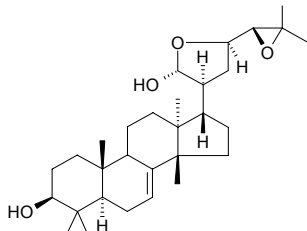
**4790 12-O-Deacetyltrichilin H**

$C_{34}H_{44}O_{13}$ (660.72). Colorless amorphous solid, $[\alpha]_D^{21} = -47.5^\circ$ ($c = 1.06$, $CHCl_3$). Pharm: Cytotoxic (HeLa-S3, $IC_{50} = 0.48 \mu mol/L$, control 5-FU, $IC_{50} = 5.40 \mu mol/L$, Cisplatin, $IC_{50} = 2.46 \mu mol/L$). Source: KU LIAN SHI *Melia azedarach* (ripe fruit). Ref: 4528.

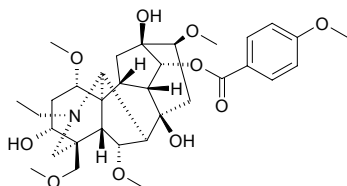


4791 Deacetylurraeanthin

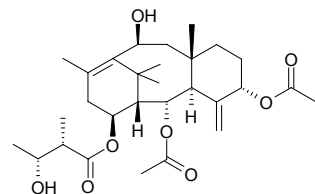
$C_{30}H_{48}O_4$ (472.71). mp 202–206°C. Source: RI BEN KU LIAN *Melia azedarach* var. *japonica*. Ref: 6, 660.

**4792 8-Deacetylynaconitine**

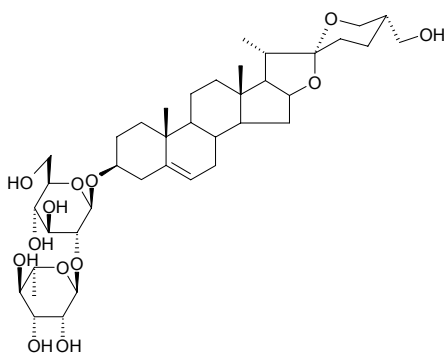
[93460-55-0] $C_{33}H_{47}NO_{10}$ (617.74). White amorphous powder. Source: GONG GA SHAN WU TOU *Aconitum liljestrandii*, GUAY YE WU TOU *Aconitum hemsleyanum*. Ref: 2191.

**4793 10-Deacetylyunnanaxane**

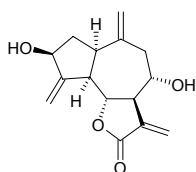
$C_{29}H_{44}O_8$ (520.67). Source: JIE ZHI HONG DOU SHAN *Taxus media*. Ref: 662.

**4794 Deacylbrownioside**

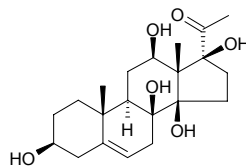
$C_{39}H_{62}O_{13}$ (738.92). Colorless needles ($CHCl_3$ -MeOH), mp 258–260°C (dec), $[\alpha]_D^{23.9} = -100^\circ$ ($c = 0.175$, pyridine). Source: XIAO HUA DUN YE SHU YU *Dioscorea parviflora* (fresh rhizome). Ref: 4858.

**4795 Deacylnaropicrin**

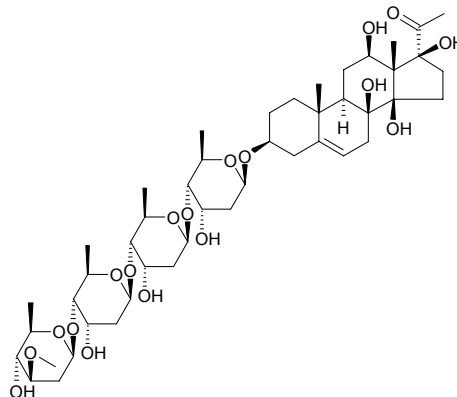
$C_{15}H_{18}O_4$ (262.31). mp 152°C, $[\alpha]_D^{20} = +120^\circ$ ($c = 0.5$, methanol). Pharm: Cytotoxic (HeLa, $ID_{50} = 5\mu g/mL$). Source: YAN DI FENG MAO JU *Saussurea salsa*. Ref: 661.

**4796 Deacetylmetaplexigenin**

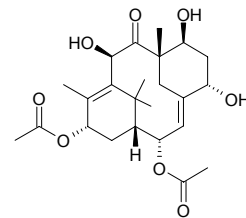
$C_{21}H_{32}O_6$ (380.48). Source: LUO MO *Metaplexis japonica*, BAI SHOU WU *Cynanchum bungei*, ROU HONG MA LI JIN *Asclepias incarnata* (aerial parts). Ref: 6, 3925.

**4797 Deacetylmetaplexigenin 3-O-β-D-oleandropyranosyl-(1→4)-β-D-digitoxopyranosyl-(1→4)-β-D-digitoxopyranosyl-(1→4)-β-D-digitoxopyranoside**

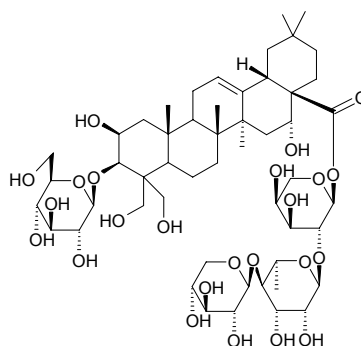
$C_{46}H_{74}O_{18}$ (915.09). Amorphous powder, $[\alpha]_D^{27} = +18.6^\circ$ ($c = 1.17$, MeOH). Source: ROU HONG MA LI JIN *Asclepias incarnata* (aerial parts). Ref: 3925.

**4798 Deaminoacyltaxine A**

$C_{24}H_{34}O_8$ (450.53). Source: JIANG GUO ZI SHAN *Taxus baccata*. Ref: 662.

**4799 Deapio platycodin D**

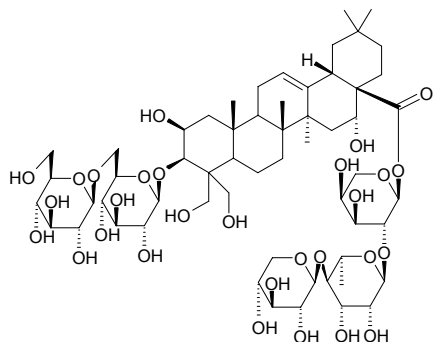
3-O-β-D-Glucopyranosyl-2β,3β,16α,23,24-pentahydroxyolean-12-ene-28-oic acid 28-O-β-D-xylopyranosyl-(1→4)-α-L-rhamnopyranosyl-(1→2)-α-L-arabinopyranoside $C_{52}H_{84}O_{24}$ (1093.23). Source: JIE GENG *Platycodon grandiflorum*. Ref: 4900.



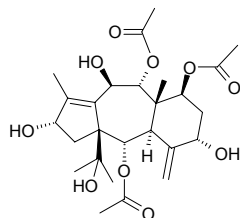
4800 Deapio platycodin D₃

3-*O*-β-*D*-Glucopyranosyl-(1→6)-β-*D*-glucopyranosyl 2β,3β,16α,23,24-pentahydroxyolean-12-ene-28-oic acid 28-*O*-β-*D*-xylopyranosyl-(1→4)-α-*L*-rhamnopyranosyl-(1→2)-α-*L*-arabinopyranoside C₅₈H₉₄O₂₉ (1255.38).

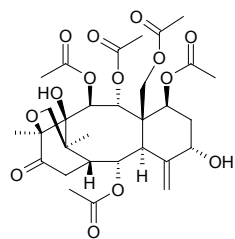
Source: JIE GENG *Platycodon grandiflorum*. Ref: 4900.

**4801 10-Debenzoyl-2α-acetoxy-brevifoliol**

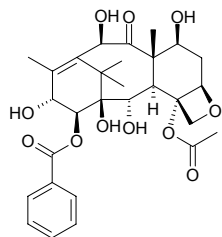
C₂₆H₃₈O₁₀ (510.59). mp 180°C, [α]_D = +32.6° (MeOH). Source: XI MA LA YA HONG DOU SHAN *Taxus wallichiana*. Ref: 662.

**4802 19-Debenzoyl-19-acetyltaxinine M**

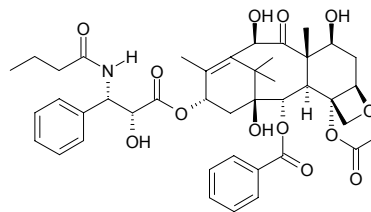
C₃₀H₄₀O₁₄ (624.64). Source: XI MA LA YA HONG DOU SHAN *Taxus wallichiana*. Ref: 662.

**4803 2-Debenzoyl-14β-benzoyloxy-10-deacetylbaaccatin III**

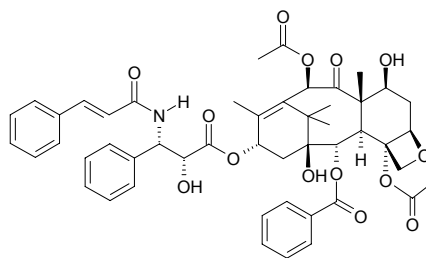
C₂₉H₃₆O₁₁ (560.60). Source: XI MA LA YA HONG DOU SHAN *Taxus wallichiana*. Ref: 662.

**4804 N-Debenzoyl-N-butanoyl-10-deacetylpaclitaxel**

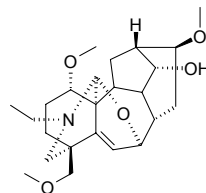
C₄₂H₅₁NO₁₃ (777.87). mp 244°C. Source: JIANG GUO ZI SHAN *Taxus baccata*. Ref: 662.

**4805 N-Debenzoyl-N-cinnamoyltaxol**

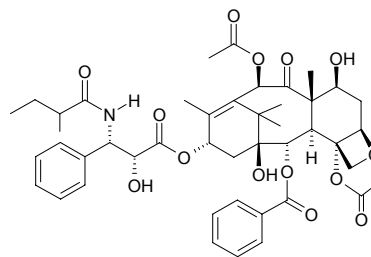
C₄₉H₅₃NO₁₄ (879.97). mp 180°C, [α]_D = -16.6° (MeOH). Source: ZA JIAO JIE ZHI HONG DOU SHAN *Taxus x media*. Ref: 662.

**4806 14-Debenzoylfranchetine**

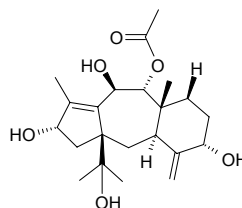
C₂₄H₃₇NO₅ (419.57). White amorphous powder. Source: GONG GA SHAN WU TOU *Aconitum liljestrandii*. Ref: 2191.

**4807 N-Debenzoyl-N-(2-methylbutyryl)taxol**

C₄₅H₅₅NO₁₄ (833.94). mp 226°C, [α]_D = -48° (MeOH). Source: ZA JIAO JIE ZHI HONG DOU SHAN *Taxus x media*. Ref: 662.

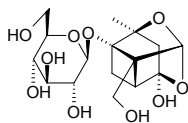
**4808 7-Debenzoyloxy-10-deacetyl-brevifoliol**

C₂₂H₃₄O₆ (394.51). mp 160–162°C, [α]_D = -24° (MeOH). Source: XI MA LA YA HONG DOU SHAN *Taxus wallichiana*. Ref: 662.

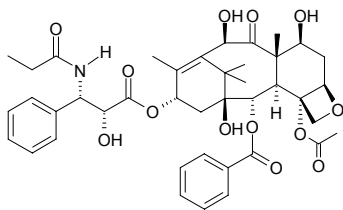


4809 8-O-Debenzoylpaconiflorin

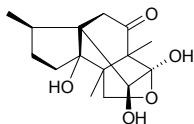
$C_{16}H_{24}O_{10}$ (376.36). Colorless amorphous solid, $[\alpha]_D^{23} = -12.8^\circ$ ($c = 0.195$, MeOH). Source: *Ducrosia anethifolia* (aerial parts). Ref: 5469.

**4810 N-Debenzoyl-N-propanoyl-10-deacetyl paclitaxel**

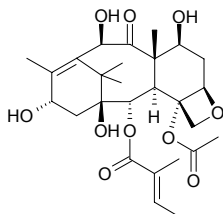
$C_{41}H_{49}NO_{13}$ (763.85). mp $245^\circ C$. Source: JIANG GUO ZI SHAN *Taxus baccata*. Ref: 662.

**4811 11-O-Debenzoyltashironin**

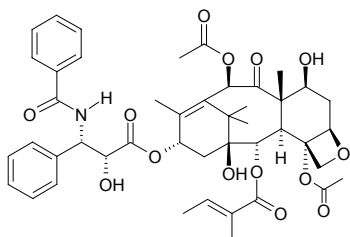
$C_{15}H_{22}O_5$ (282.34). Colorless solid, $[\alpha]_D^{22} = -65^\circ$ ($c = 0.72$, $CHCl_3$). Pharm: Neurotrophic activity (primary culture of rat cortical neurons, 0.1-10 $\mu mol/L$). Source: *Illicium merrillianum* (pericarp: yield = 0.00019% dw). Ref: 3046.

**4812 2-Debenzoyl-2-tigloyl-10-deacetyl baccatin III**

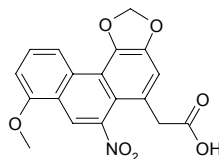
$C_{27}H_{38}O_{10}$ (522.60). Source: JIANG GUO ZI SHAN *Taxus baccata*. Ref: 662.

**4813 2-Debenzoyl-2-tigloyltaxol**

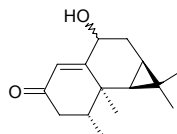
Isocephalomannine $C_{45}H_{53}NO_{14}$ (831.92). mp $232^\circ C$, $[\alpha]_D = -44^\circ$ (MeOH). Source: ZA JIAO JIE ZHI HONG DOU SHAN *Taxus x media*. Ref: 662.

**4814 Debilic acid**

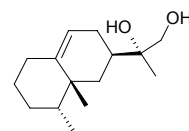
[475-85-4] $C_{18}H_{13}NO_7$ (355.31). mp $> 350^\circ C$ (dec). Source: JI SHI TENG GUO *Paederia scandens*, QING MU XIANG *Aristolochia debilis* [Syn. *Aristolochia longa*]. Ref: 6, 660.

**4815 Debilone**

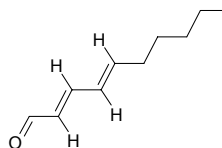
9-Hydroxy- $\Delta^{1(10)}$ -aristolene-2-one [26808-51-5] $C_{15}H_{22}O_2$ (234.34). mp $135^\circ C$. Source: GAN SONG *Nardostachys chinensis*. Ref: 6.

**4816 Debneyol**

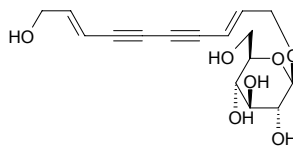
[99694-82-3] $C_{15}H_{26}O_2$ (238.37). Pharm: Antifungal (*in vitro*, *Cladosporium cucumerinum*, ED₅₀ = 50-70 $\mu g/mL$) Source: YAN CAO *Nicotiana tabacum*. Ref: 1087, 1114.

**4817 (E,E)-2,4-Decadienal**

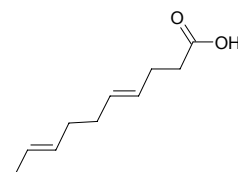
[25152-84-5] $C_{10}H_{16}O$ (152.24). Source: XING REN *Prunus armeniaca*. Ref: 2.

**4818 (2E,8E)-2,8-Decadiene-4,6-diyne-1,10-diol 1-O-β-D-glucopyranoside**

$C_{16}H_{20}O_7$ (324.33). Amorphous powder, $[\alpha]_D^{21} = -77^\circ$ ($c = 0.2$, MeOH). Source: CANG ZHU *Atractylodes lancea*. Ref: 4348.

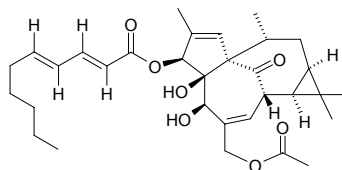
**4819 Decadienoic acid**

[13159-49-4] $C_{10}H_{16}O_2$ (168.24). Source: PI JIU HUA *Humulus lupulus*. Ref: 1521.

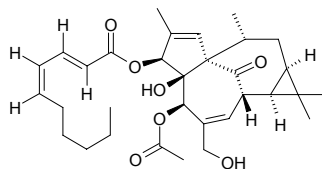


4820 3-O-(2'E,4'E-Decadienoyl)-20-O-acetyl ingenol

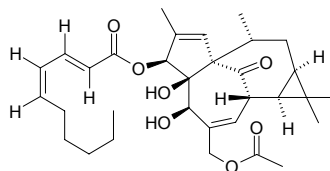
Ingenol-3-(2,4-decadienoate)-20-acetate C₃₂H₄₄O₇ (540.70). Colorless oil, [α]_D²³ = +84.1° (*c* = 0.10, MeOH). **Pharm:** Cytotoxic (*in vitro* animal cap assay to screen for inhibitors of cell division, treatment of cultured individual *Xenopus* cells from the early *Xenopus laevis* embryo at the blastular stage, 0.5µg/mL, cleavage arrest > 75%)^[4645]. **Source:** GAN SUI *Euphorbia kansui* (root: yield = 0.00006%dw)^[4645]. **Ref:** 660, 4645.

**4821 3-O-(2'E,4'Z-Decadienoyl)-5-O-acetyl ingenol**

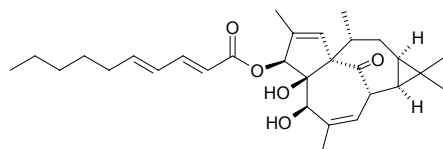
C₃₂H₄₄O₇ (540.7). Colorless oil, [α]_D²³ = +61.73° (*c* = 0.10, MeOH). **Pharm:** Cytotoxic (*in vitro* animal cap assay to screen for inhibitors of cell division, treatment of cultured individual *Xenopus* cells from the early *Xenopus laevis* embryo at the blastular stage, 0.5µg/mL, cleavage arrest > 75%). **Source:** GAN SUI *Euphorbia kansui* (root: yield = 0.00005%dw). **Ref:** 4645.

**4822 3-O-(2'E,4'Z-Decadienoyl)-20-O-acetyl ingenol**

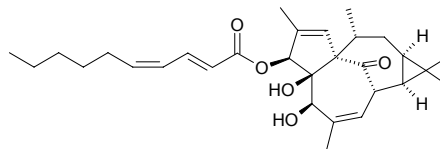
C₃₂H₄₄O₇ (540.70). Colorless oil. **Pharm:** Cytotoxic (*in vitro* animal cap assay to screen for inhibitors of cell division, treatment of cultured individual *Xenopus* cells from the early *Xenopus laevis* embryo at the blastular stage, 0.5µg/mL, cleavage arrest > 75%). **Source:** GAN SUI *Euphorbia kansui* (root: yield = 0.00007%dw). **Ref:** 4645.

**4823 3-O-(2E,4E-Decadienoyl)-20-deoxyingenol**

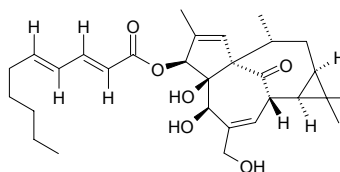
C₃₀H₄₂O₅ (482.67). Colorless gum, [α]_D²³ = +57.5° (*c* = 0.16, MeOH). **Pharm:** Induces cell cleavage arrest (*Xenopus laevis* embryo cells at the blastular stage, at 0.5µg/mL compound results in > 75% cell cleavage arrest). **Source:** GAN SUI *Euphorbia kansui*. **Ref:** 4368.

**4824 3-O-(2E,4Z-Decadienoyl)-20-deoxyingenol**

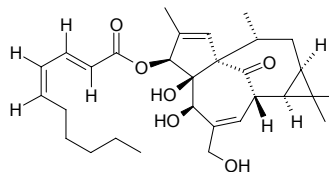
C₃₀H₄₂O₅ (482.67). Colorless gum, [α]_D²³ = +42.1° (*c* = 0.28, MeOH). **Pharm:** Induces cell cleavage arrest (*Xenopus laevis* embryo cells at the blastular stage, at 0.5µg/mL compound results in > 75% cell cleavage arrest). **Source:** GAN SUI *Euphorbia kansui*. **Ref:** 4368.

**4825 3-O-(2'E,4'E-Decadienoyl)ingenol**

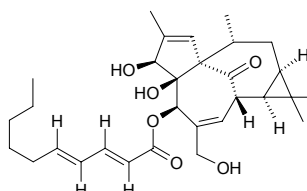
C₃₀H₄₂O₆ (498.67). Colorless oil, [α]_D²³ = +89.09° (*c* = 0.10, MeOH). **Pharm:** Cytotoxic (*in vitro* animal cap assay to screen for inhibitors of cell division, treatment of cultured individual *Xenopus* cells from the early *Xenopus laevis* embryo at the blastular stage, 0.5µg/mL, cleavage arrest > 75%). **Source:** GAN SUI *Euphorbia kansui* (root: yield = 0.00009%dw). **Ref:** 4645.

**4826 3-O-(2'E,4'Z-Decadienoyl)ingenol**

C₃₀H₄₂O₆ (498.67). **Pharm:** Cytotoxic (*in vitro* animal cap assay to screen for inhibitors of cell division, treatment of cultured individual *Xenopus* cells from the early *Xenopus laevis* embryo at the blastular stage, 0.5µg/mL, cleavage arrest > 75%). **Source:** GAN SUI *Euphorbia kansui* (root: yield = 0.00011%dw). **Ref:** 4645.

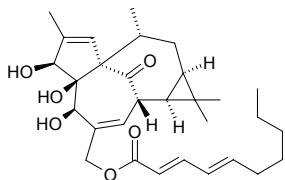
**4827 5-O-(2'E,4'E-Decadienoyl)ingenol**

C₃₀H₄₂O₆ (498.67). Colorless oil, [α]_D²³ = -7.69° (*c* = 0.13, MeOH). **Pharm:** Cytotoxic (*in vitro* animal cap assay to screen for inhibitors of cell division, treatment of cultured individual *Xenopus* cells from the early *Xenopus laevis* embryo at the blastular stage, 0.5µg/mL, cleavage arrest > 75%). **Source:** GAN SUI *Euphorbia kansui* (root: yield = 0.0015%dw). **Ref:** 4645.

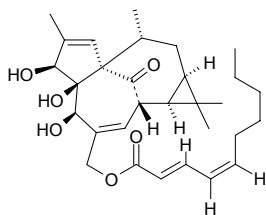


4828 20-O-(2'E,4'E-Decadienoyl)ingenol

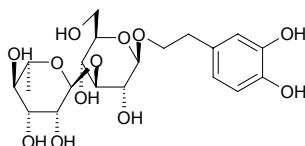
$C_{30}H_{42}O_6$ (498.67). Colorless oil, $[\alpha]_D^{23} = +3.15^\circ$ ($c = 0.19$, MeOH). **Pharm:** Cytotoxic (*in vitro* animal cap assay to screen for inhibitors of cell division, treatment of cultured individual *Xenopus* cells from the early *Xenopus laevis* embryo at the blastular stage, 0.5 μ g/mL, cleavage arrest > 75%). **Source:** GAN SUI *Euphorbia kansui* (root: yield = 0.00008%dw). **Ref:** 4645.

**4829 20-O-(2'E,4'Z-Decadienoyl)ingenol**

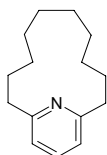
$C_{30}H_{42}O_6$ (498.67). Colorless oil, $[\alpha]_D^{23} = +2.50^\circ$ ($c = 0.16$, MeOH). **Pharm:** Cytotoxic (*in vitro* animal cap assay to screen for inhibitors of cell division, treatment of cultured individual *Xenopus* cells from the early *Xenopus laevis* embryo at the blastular stage, 0.5 μ g/mL, cleavage arrest > 75%). **Source:** GAN SUI *Euphorbia kansui* (root: yield = 0.00009%dw). **Ref:** 4645.

**4830 Decaffeoylacteoside**

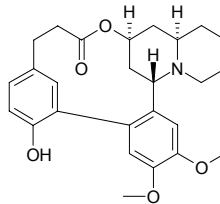
Decaffeoylverbascoside $C_{20}H_{30}O_{12}$ (462.45). **Pharm:** Antioxidant (ferric thiocyanate method, 0.5mmol/L, peroxidation value = 6.6%, control BHA, 0.5mmol/L, peroxidation value = 4.5%, control Vitamin E, 0.5mmol/L, peroxidation value = 14.7%)^[4508]. **Source:** ROU CONG RONG *Cistanche deserticola*, TIAN SHE CAO *Lippia dulcis* (aerial parts). **Ref:** 2448, 4508.

**4831 2,6-Decamethylene pyridine**

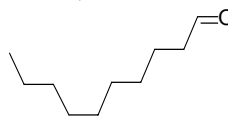
$C_{15}H_{23}N$ (217.36). **Source:** SHE XIANG *Moschus moschiferus*; *Moschus berezovskii*; *Moschus sifanicus*. **Ref:** 2.

**4832 Decamine**

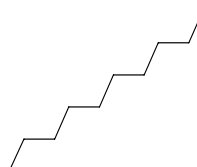
Weedone [17349-05-2] $C_{26}H_{31}NO_5$ (437.54). mp 223~224°C. **Pharm:** Antibacterial (*Bacillus diphtheriae in vitro*, 4 μ g/mL); antifungal (*Candida albicans in vitro*, 8 μ g/mL). **Source:** ZI WEI HUA *Lagerstroemia indica*, DI KE DONG *Decodon verticillatus*, ZI WEI YE *Lagerstroemia indica*. **Ref:** 6, 658.

**4833 Decanal**

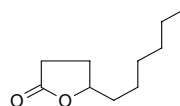
Capric aldehyde [112-31-2] $C_{10}H_{20}O$ (156.27). **Source:** DONG LING CAO *Rabdosia rubescens*, GAN JIANG *Zingiber officinale*, JU PI *Citrus reticulata*, YU XING CAO *Houttuynia cordata*. **Ref:** 2.

**4834 Decane**

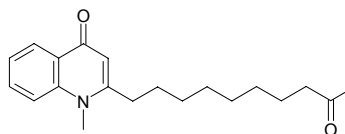
n-Decane [124-18-5] $C_{10}H_{22}$ (142.29). **Source:** SHAN ZHA *Crataegus pinnatifida*. **Ref:** 2.

**4835 γ -Decanolactone**

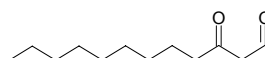
[706-14-9] $C_{10}H_{18}O_2$ (170.25). **Source:** XING REN *Prunus armeniaca*, NAN HE SHI *Daucus carota*. **Ref:** 2, 660.

**4836 2-(Decan-9-one)-N-methyl-4-quinolone**

$C_{20}H_{27}NO_2$ (313.44). **Source:** MENG DA NA YUN XIANG *Ruta Montana* (whole herb). **Ref:** 3910.

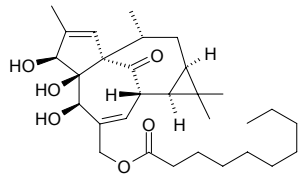
**4837 Decanoylactaldehyde**

Houttuynin $C_{12}H_{22}O_2$ (198.31). **Pharm:** Antibacterial (*in vitro*, gram-positive bacteria, gram-negative bacteria; *in vitro* and *in vivo*, houttuynin isoniazone inhibits *Mycobacterium tuberculosis* strongly, MIC = 0.78~3.10mg/mL); immunoenhancer (chronic bronchitis patient, orl 90mg, 3 times daily, after seven days the level of properdin in blood has ascending tendency). **Source:** YU XING CAO *Houttuynia cordata* (aerial parts: content = 0.05%^[5501]). **Ref:** 2, 4, 1974, 2056, 5501.

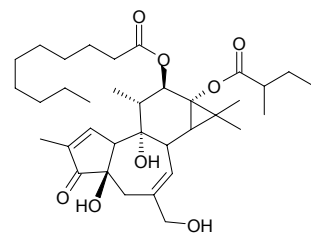


4838 20-O-(Decanoyl)ingenol

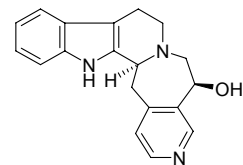
$C_{30}H_{46}O_6$ (502.7). **Pharm:** Cytotoxic (*in vitro* animal cap assay to screen for inhibitors of cell division, treatment of cultured individual *Xenopus* cells from the early *Xenopus laevis* embryo at the blastular stage, 0.5 $\mu\text{g}/\text{mL}$, cleavage arrest > 75%). **Source:** GAN SUI *Euphorbia kansui* (root: yield = 0.00007%dw). **Ref:** 4645.

**4839 12-O-Decanoylphorbol-13-(2-methylbutyrate)**

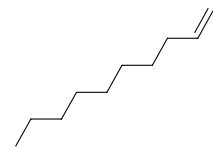
$C_{35}H_{54}O_8$ (602.82). Oil, $[\alpha]_D^{25} = +56^\circ$ ($c = 0.05$, CHCl_3). **Pharm:** Anti-HIV-1 (MT-4 cells, HIV-1-induced cytopathic effect inhibitor, $\text{IC}_{100} = 7.81 \mu\text{g}/\text{mL}$, $\text{CC}_0 = 31.3 \mu\text{g}/\text{mL}$, control DS8000, $\text{IC}_{100} = 3.9 \mu\text{g}/\text{mL}$, $\text{CC}_0 > 1000 \mu\text{g}/\text{mL}$); PKC activator inactive (10ng/mL, activity rate = 0%)^[3921]. **Source:** BA DOU *Croton tiglium*. **Ref:** 3921.

**4840 Decarbomethoxy naucl echine**

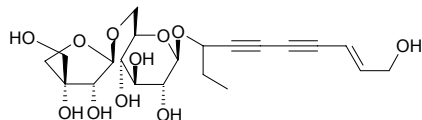
$C_{19}H_{19}N_3O$ (305.38). **Pharm:** Antibacterial (*in vitro*: *Staphylococcus aureus*, *Bacillus subtilis*, *Bacillus coli*, *Bacillus diphtheriae*, *Streptococcus* sp., *Streptobacillus* sp., *Salmonella* sp., *Bacillus proteus*, *Bacillus lactis*, *Klebsiella pneumoniae*); antileishmanial; antifungal (*Aspergillus niger*). **Source:** KUAN YE WU TAN *Nauclea latifolia*. **Ref:** 2178.

**4841 1-Decene**

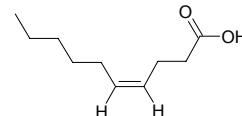
$C_{10}H_{20}$ (140.27). **Source:** KUAN DONG HUA *Tussilago farfara*. **Ref:** 660.

**4842 (2E)-2-Decene-4,6-diyne-1,8-diol 8-O-β-D-apiofuranosyl-(1→6)-β-D-glucopyranoside**

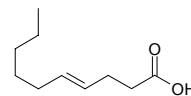
$C_{21}H_{30}O_{11}$ (458.47). Amorphous powder, $[\alpha]_D^{23} = -144^\circ$ ($c = 0.1$, MeOH). **Source:** CANG ZHU *Atractylodes lancea* (rhizome). **Ref:** 4384.

**4843 cis-4-Decenoic acid**

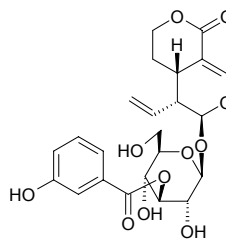
Obtusilic acid [505-90-8] $C_{10}H_{18}O_2$ (170.25). bp 148~150°C/13mmHg. **Source:** CHENG QIE ZI *Litsea cubeba*, SAN ZUAN FENG *Lindera obtusiloba*, ZHEN CAI *Litsea pungens*. **Ref:** 6, 1521, 2825, 2956.

**4844 trans-4-Decenoic acid**

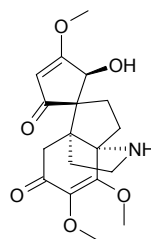
[26303-90-2] $C_{10}H_{18}O_2$ (170.25). bp 148~150°C/13mmHg. **Source:** SAN ZUAN FENG *Lindera obtusiloba*. **Ref:** 6.

**4845 Decentapicrin A**

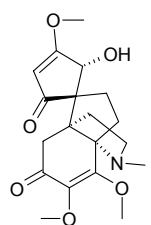
$C_{23}H_{26}O_{11}$ (478.46). **Source:** GUANG LIANG JIA LONG DAN *Gentiana nitida* (whole herb). **Ref:** 3542.

**4846 Dechloroacutumidine**

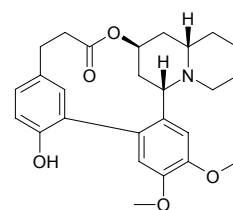
$C_{18}H_{23}NO_6$ (349.39). $[\alpha]_D^{25} = -68^\circ$ ($c = 0.2$, MeOH) **Source:** BIAN FU GE *Menispermum dauricum*. **Ref:** 1946.

**4847 Dechlorodauricumine**

$C_{19}H_{25}NO_6$ (363.41). Amorphous powder, $[\alpha]_D^{25} = +20.7^\circ$ ($c = 0.10$, MeOH). **Source:** BIAN FU GE GEN *Menispermum dauricum*. **Ref:** 5326.

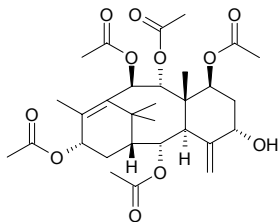
**4848 Decinine**

[10183-64-9] $C_{26}H_{31}NO_5$ (437.54). mp 222~224°C. **Source:** ZI WEI YE *Lagerstroemia indica*. **Ref:** 6.

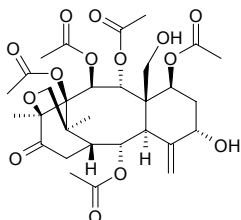


4849 Decinnamol taxinine J

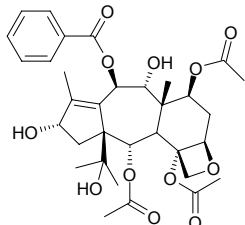
5 α -Hydroxy-2 α ,7 β ,9 α ,10 β ,13 α -Pentaacetoxy-4(20),11-taxadiene
 $C_{30}H_{42}O_{11}$ (578.66). Colorless prisms. Source: AO DA LI YA HONG
 DOU SHAN *Austrotaxus spicata*, DUAN YE HONG DOU SHAN *Taxus*
brevifolia, HONG DOU SHAN *Taxus chinensis*. Ref: 662, 2488.

**4850 5-Decinnamoyl-11-acetyl-19-hydroxyl taxagifine**

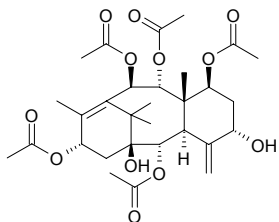
$C_{30}H_{40}O_{14}$ (624.64). White massive crystals, mp 209~210°C, $[\alpha]_D^{14} =$
 -12.1° (chloroform). Source: YUN NAN HONG DOU SHAN *Taxus*
yunnanensis. Ref: 296, 662.

**4851 13-Decinnamoyl-9-deacetyl taxichinin B**

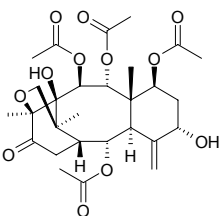
$C_{33}H_{42}O_{12}$ (630.70). Source: XI MA LA YA HONG DOU SHAN *Taxus*
wallichiana. Ref: 662.

**4852 Decinnamoyl-1-hydroxy-taxinine J**

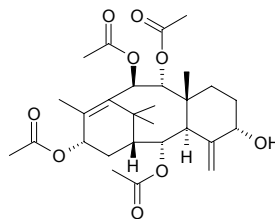
$C_{30}H_{42}O_{12}$ (594.66). Source: JIANG GUO ZI SHAN *Taxus baccata*. Ref:
 662.

**4853 5 α -Decinnamoyltaxagifine**

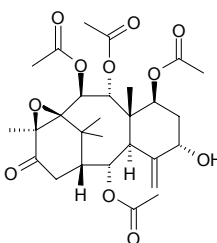
$C_{28}H_{38}O_{12}$ (566.61). Source: HONG DOU SHAN *Taxus chinensis*. Ref:
 662.

**4854 Decinnamoyltaxinine E**

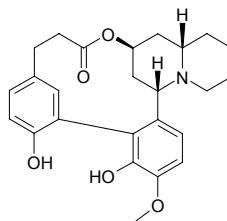
$C_{28}H_{40}O_9$ (520.63). Source: HONG DOU SHAN *Taxus chinensis*. Ref:
 662.

**4855 Decinnamoyltaxinine B 11,12-oxide**

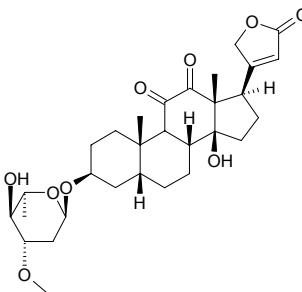
$C_{28}H_{38}O_{11}$ (550.61). Source: YUN NAN HONG DOU SHAN *Taxus*
yunnanensis. Ref: 662.

**4856 Decodine**

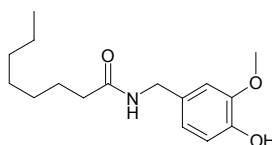
[26996-01-1] $C_{25}H_{29}NO_5$ (423.51). mp 193~197°C. Source: ZI WEI YE
Lagerstroemia indica. Ref: 6.

**4857 Decoside**

$C_{30}H_{42}O_9$ (546.66). Pharm: Toxin (vertebrate). Source: YANG JIAO AO
Zi Strophanthus divaricatus. Ref: 658.

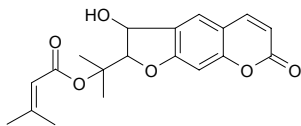
**4858 Decoyl vanillylamide**

$C_{16}H_{25}NO_3$ (279.38). Source: LA JIAO *Capsicum frutescens*. Ref: 6.

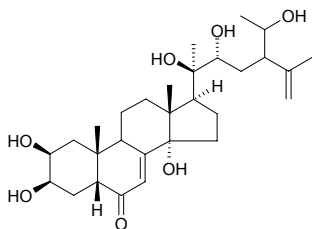


4859 Decumbensol

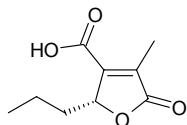
$C_{19}H_{20}O_6$ (344.37). Colorless massive crystals, mp 183~183.5°C, $[\alpha]_D^{20} = +202^\circ$ ($c = 0.53$, $CHCl_3$). Source: QIAN HU *Angelica decursiva* [Syn. *Peucedanum decursivum*]. Ref: 9.

**4860 Decumbesterone A**

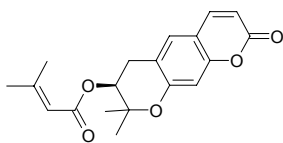
$C_{29}H_{46}O_7$ (506.69). Pharm: Antineoplastic (inhibits EBV-EA induction strongly). Source: BAI MAO XIA KU CAO *Ajuga decumbens*. Ref: 693.

**4861 Decumbic acid**

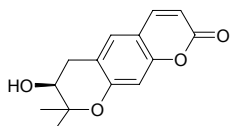
$C_9H_{12}O_4$ (184.19). mp 125~127°C, $[\alpha]_D^{25} = +44.3^\circ$ ($c = 0.47$, $CHCl_3$). Source: *Lasiodiplodia theobromae* (fruit). Ref: 3867.

**4862 Decursin**

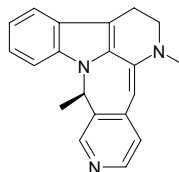
[5928-25-6] $C_{19}H_{20}O_5$ (328.37). mp 110~111°C. Pharm: AChE inhibitor (*in vitro*, $IC_{50} = 390\mu\text{mol/L}$)^[3058]; reduces muscular twitching (cultured myocardial cells line). Source: QIAN HU *Angelica decursiva* [Syn. *Peucedanum decursivum*], CHAO XIAN DANG GUI *Angelica gigas* (underground part)^[3058]. Ref: 6, 658, 3058.

**4863 Decursinol**

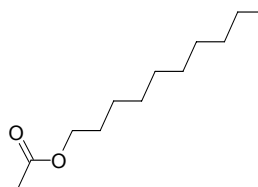
[23458-02-8] $C_{14}H_{14}O_4$ (246.27). mp 176~177°C. Pharm: AChE inhibitor (*in vitro*, $IC_{50} = 28\mu\text{mol/L}$)^[3058]; reduces muscular twitching (cultured myocardial cells line). Source: DA TIAO WEN XIE HAO *Seseli grandivittatum*, MU⁽⁴⁾ JU *Aegle marmelos*, QIAN HU *Angelica decursiva* [Syn. *Peucedanum decursivum*], CHAO XIAN DANG GUI *Angelica gigas* (underground part)^[3058]. Ref: 6, 658, 3058.

**4864 Decussine**

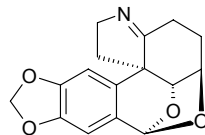
[75375-52-9] $C_{20}H_{19}N_3$ (301.39). Yellow rhomboid crystals (methanol), mp 203~205°C. Pharm: Neuromuscular blocker. Source: DUI SHENG MA QIAN *Strychnos decussata*. Ref: 661.

**4865 n-Decyl acetate**

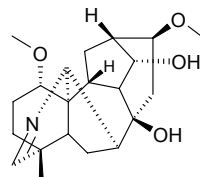
[112-17-4] $C_{12}H_{24}O_2$ (200.32). mp -15.05°C, bp 244°C. Source: HEI MA YI *Formica fusca*. Ref: 6.

**4866 4a,N-Dedihydronoraugustamine**

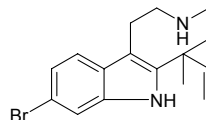
$C_{16}H_{15}NO_4$ (285.30). mp 127~130°C, $[\alpha]_D^{20} = -242.6^\circ$ ($c = 0.27$, MeOH). Pharm: Antiprotozoal inactive (*Plasmodium falciparum*, *Leishmania donovani*, *Trypanosoma brucei*, *Trypanosoma cruzi*). Source: KEN NI YA WEN SHU LAN *Crinum kirkii* (bulb). Ref: 3892.

**4867 N-Deethyl-N-19-didehydrosachaconitine**

$C_{21}H_{31}NO_4$ (361.49). Amorphous solid, $[\alpha]_D^{25} = +181.8^\circ$ ($c = 0.11$, $CHCl_3$). Source: BAN HUA WU TOU *Aconitum variegatum* (aerial parts). Ref: 5270.

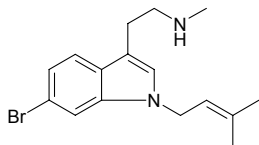
**4868 Deformylflustrabromine**

$C_{16}H_{21}BrN_2$ (321.26). Pharm: Affinity to nAChR ($\alpha 4\beta 2^*$ subtype, $K_i = (3400 \pm 500)\text{nmol/L}$, control (-)-Nicotine, $K_i = (0.838 \pm 0.132)\text{nmol/L}$; $\alpha 7^*$ subtype, $K_i > 50000\text{nmol/L}$, (-)-Nicotine, $K_i = (127 \pm 5)\text{nmol/L}$). Source: BEI HAI XIAN TAI CHONG *Flustra foliacea*. Ref: 5029.



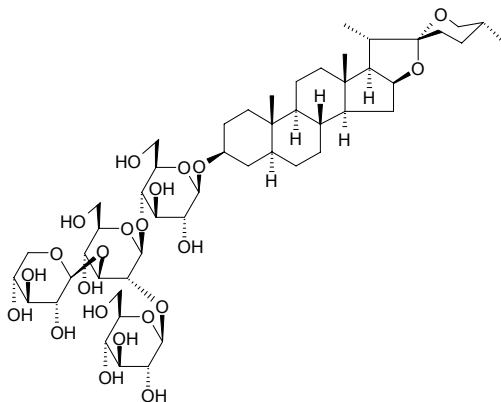
4869 Deformylflustrabromine B

$C_{16}H_{21}BrN_2$ (321.26). **Pharm:** Affinity to nAChR ($\alpha 4\beta 2^*$ subtype, $K_i > 50000$ nmol/L, control (-)-Nicotine, $K_i = (0.838 \pm 0.132)$ nmol/L; $\alpha 7^*$ subtype, $K_i = (17000 \pm 2200)$ nmol/L, (-)-Nicotine, $K_i = (127 \pm 5)$ nmol/L). **Source:** BEI HAI XIAN TAI CHONG *Flustra foliacea*. **Ref:** 5029.

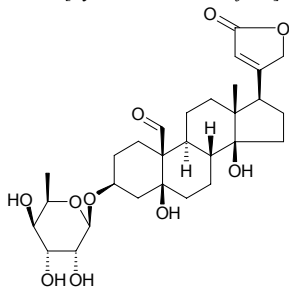
**4870 Degalactotigonin**

[39941-51-0] $C_{50}H_{82}O_{22}$ (1035.20). **Pharm:** Antineoplastic (inhibits ^{32}P combines with phospholipid in HeLa cells, $50 \mu\text{g/mL}$, InRt = 57.8%).

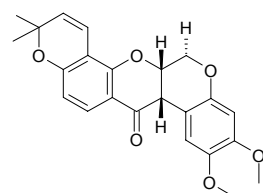
Source: ZHI MU *Anemarrhena asphodeloides*. **Ref:** 2, 1636.

**4871 Deglucocheirotxin**

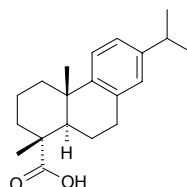
$C_{29}H_{42}O_{10}$ (550.65). mp 188–191°C. **Source:** LING LAN *Convallaria keiskei* [Syn. *Convallaria majalis*]. **Ref:** 6.

**4872 Deguelin**

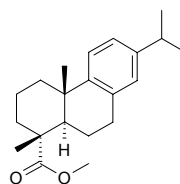
Deguelin [522-17-8] $C_{23}H_{22}O_6$ (394.43). Yellow crystals, mp 180–182°C (methanol); 171°C, $[\alpha]_D^{20} = -107^\circ$ ($c = 0.2$, benzene). **Pharm:** Ornithine decarboxylase inhibitor (induced by ester phorbol, $IC_{50} = 0.0003 \mu\text{g/mL}$); larvacide (larva of mosquito); nematocide (MLD = $1 \mu\text{mol/L}$); anti-tumor promoter (*in vivo*, mouse skin tumor, inhibits TPA-induced EBV-EA activation, 100(mol ratio)/32 pmol TPA), EBV-EA positive cells = 72.3% viability, positive control β -Carotene, EBV-EA positive cells = 82.7% viability)^[4982]. **Source:** MU LAN⁽²⁾ *Indigofera tinctoria*, HUI YE GEN *Tephrosia purpurea*, MAO YU TENG *Derris elliptica*, YU TENG *Derris trifoliata* (stem), *Tephrosia* sp., *Lonchocarpus* sp. **Ref:** 6, 900, 4982.

**4873 Dehydroabietic acid**

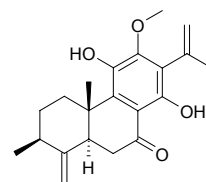
8,11,13-Abietatrien-18-oic acid [1740-19-8] $C_{20}H_{28}O_2$ (300.44). Colorless acicular crystals, mp 174°C, $[\alpha]_D^{20} = +66^\circ$ ($c = 0.60$, diethyl ether). **Pharm:** Activates nerve (stimulates release of neurotransmitter inhibitor (γ -aminobutyric acid) and neurotransmitter stimulant); antifungal (*in vitro*, *Pyricularia oryzae*, InRt = 100%); antiulcerative; used in treatment of hypertension and tachycardia caused by smoking; vasodilator. **Source:** XIAN MAI XIANG CHA CAI *Rabdosia nervosa*, LEI GONG TENG *Tripterygium wilfordii*. **Ref:** 900.

**4874 Dehydroabietic acid methyl ester**

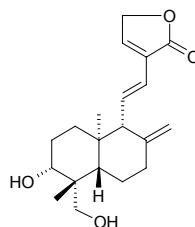
$C_{21}H_{30}O_2$ (314.47). **Pharm:** Antineoplastic (EBV-EA induced by TPA, mol ratio/TPA = 1000, relative percentage of EBV-EA = 0% (positive control value 32pmol, 20ng TPA = 100%), viability of Raji cells = 60%; reference compound β -Carotene, relative percentage = 8.6%). **Source:** FU LING *Poria cocos* (sclerotium: yield = 0.0013%dw). **Ref:** 4616.

**4875 Dehydroagastol**

19(4→3)-Abeo-11,14-dihydroxy-12-methoxy-abieta-8,11,13,15-tetraen-7-one $C_{21}H_{26}O_4$ (342.44). Yellow green acicular crystals, mp 159–161°C, soluble in hexane, chloroform and methanol. **Source:** GUANG HUO XIANG *Pogostemon cablin* [Syn. *Mentha cablin*]. **Ref:** 210, 660.

**4876 Dehydroandrographolide**

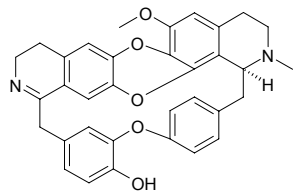
$C_{20}H_{28}O_4$ (332.44). Colorless acicular crystals (recrystallization in 30 and 50% ethanol), mp 204°C. **Pharm:** Anti-inflammatory; antipyretic; used in treatment of infectious diseases of respiratory tract and intestinal tract. **Source:** CHUAN XIN LIAN *Andrographis paniculata* [Syn. *Justicia paniculata*] (dried aerial parts: content = 1.19%^[5508]) **Ref:** 661, 5508.



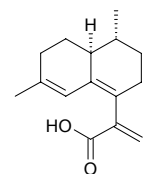
4877 1,2-Dehydroapateline

$C_{34}H_{30}N_2O_5$ (546.63). Yellow amorphous powder, $[\alpha]_D^{25} = +128^\circ$ ($c = 0.42$, MeOH). **Pharm:** Exhibited *in vitro* anticholinesterase activities, $IC_{50} = (116.5 \pm 2.5) \mu\text{mol/L}$, control Galanthamine, $IC_{50} = (0.5 \pm 0.0) \mu\text{mol/L}$.

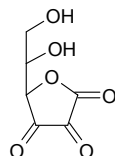
Source: CHUI MU FANG JI *Cocculus pendulus*. **Ref:** 4051.

**4878 6,7-Dehydroartemisinin acid**

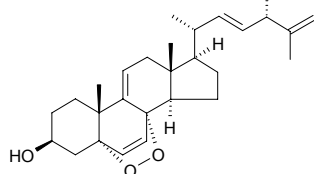
$C_{15}H_{20}O_2$ (232.33). **Source:** HUANG HUA HAO *Artemisia annua*. **Ref:** 2, 660.

**4879 Dehydroascorbic acid**

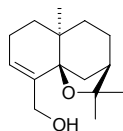
[490-83-5] $C_6H_6O_6$ (174.11). mp 196°C (dec). **Source:** HUI XIANG JING YE *Foeniculum vulgare*, JIANG MANG *Cassia sophera*, MA BO *Lasiosphaera fenzlii*. **Ref:** 6.

**4880 9(11)-Dehydroaxinysterol**

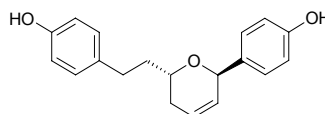
$C_{28}H_{40}O_3$ (424.63). White amorphous solid, $[\alpha]_D^{25} = +78.9^\circ$ ($c = 0.89$, CHCl_3). **Pharm:** Cytotoxic (Breast: HBC4 $IC_{50} = 0.85 \mu\text{g/mL}$; BSY1 $IC_{50} = 0.60 \mu\text{g/mL}$; HBC5 $IC_{50} = 0.96 \mu\text{g/mL}$; MCF7 $IC_{50} = 0.36 \mu\text{g/mL}$; MDA-MB-231 $IC_{50} = 1.26 \mu\text{g/mL}$; Lung: NCI-H23 $IC_{50} = 0.54 \mu\text{g/mL}$; NCI-H226 $IC_{50} = 0.63 \mu\text{g/mL}$; NCI-H522 $IC_{50} = 0.57 \mu\text{g/mL}$; NCI-H460 $IC_{50} = 0.81 \mu\text{g/mL}$; A549 $IC_{50} = 0.96 \mu\text{g/mL}$; DMS273 $IC_{50} = 0.54 \mu\text{g/mL}$; DMS114 $IC_{50} = 0.48 \mu\text{g/mL}$; Stomach: St4 $IC_{50} = 0.69 \mu\text{g/mL}$; MKN1 $IC_{50} = 0.42 \mu\text{g/mL}$; MKN7 $IC_{50} = 0.48 \mu\text{g/mL}$; MKN28 $IC_{50} = 0.84 \mu\text{g/mL}$; MKN45 $IC_{50} = 0.54 \mu\text{g/mL}$; MKN74 $IC_{50} = 0.54 \mu\text{g/mL}$; Kidney: RXF-631L $IC_{50} = 0.72 \mu\text{g/mL}$; ACHN $IC_{50} = 0.51 \mu\text{g/mL}$; Colon: HCC2998 $IC_{50} = 0.57 \mu\text{g/mL}$; KM12 $IC_{50} = 0.60 \mu\text{g/mL}$; HT29 $IC_{50} = 0.57 \mu\text{g/mL}$; HCT15 $IC_{50} = 0.75 \mu\text{g/mL}$; HCT116 $IC_{50} = 0.48 \mu\text{g/mL}$; Ovary: OVCAR-3 $IC_{50} = 0.19 \mu\text{g/mL}$; OVCAR-4 $IC_{50} = 0.60 \mu\text{g/mL}$; OVCAR-5 $IC_{50} = 0.54 \mu\text{g/mL}$; OVCAR-8 $IC_{50} = 0.22 \mu\text{g/mL}$; SK-OV-3 $IC_{50} = 0.81 \mu\text{g/mL}$; CNS: U251 $IC_{50} = 0.63 \mu\text{g/mL}$; SF268 $IC_{50} = 1.02 \mu\text{g/mL}$; SF295 $IC_{50} = 0.75 \mu\text{g/mL}$; SF539 $IC_{50} = 0.84 \mu\text{g/mL}$; SNB75 $IC_{50} = 2.16 \mu\text{g/mL}$; SNB78 $IC_{50} = 1.17 \mu\text{g/mL}$; Prostate: DU145 $IC_{50} = 0.54 \mu\text{g/mL}$; PC3 $IC_{50} = 0.57 \mu\text{g/mL}$; Melanoma: LOX-IMVI $IC_{50} = 0.60 \mu\text{g/mL}$). **Source:** Sponge *Axinysa* sp. **Ref:** 4231.

**4881 Dehydrobaimuxinol**

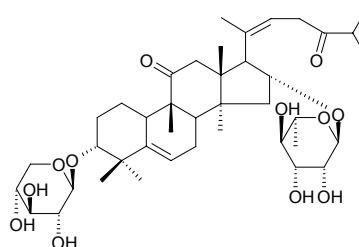
[105013-74-9] $C_{15}H_{24}O_2$ (236.36). Colorless acicular crystals, mp $136\text{--}138^\circ\text{C}$, $[\alpha]_D^{26} = +25^\circ$ ($c = 1.6$, chloroform). **Source:** BAI MU XIANG *Aquilaria sinensis*. **Ref:** 13, 58.

**4882 (3S,7R)-5,6-Dehydro-1,7-bis(4-hydroxyphenyl)-4'-de-O-methylcentrolobine**

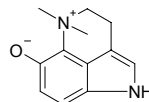
$C_{19}H_{20}O_3$ (286.37). Colorless amorphous solid, $[\alpha]_D^{25} = -12.3^\circ$ ($c = 0.335$, MeOH). **Pharm:** Cytotoxic (Colon26-L5, $ED_{50} = 71.2 \mu\text{mol/L}$, control 5-FU, $ED_{50} = 0.53 \mu\text{mol/L}$; HT1080, $ED_{50} = 45.3 \mu\text{mol/L}$, 5-FU, $ED_{50} = 8.0 \mu\text{mol/L}$). **Source:** YUN NAN CAO KOU *Alpinia blepharocalyx* (seed: yield = 0.000071%dw). **Ref:** 3048.

**4883 Dehydrobryogenin glycoside**

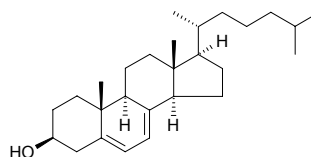
11,24-Dioxo-5,21-dien-cucuebit-3 α -O- β -D-xylopyranosyl-16 α -O- α -L-rhamnopyranoside $C_{41}H_{64}O_{12}$ (748.96). White amorphous powder, $[\alpha]_D^{28} = 0^\circ$ ($c = 0.176$, MeOH). **Source:** KU XUAN SHEN *Picria felterrae* (whole herb). **Ref:** 4853.

**4884 Dehydrobufotenine**

[17232-69-8] $C_{12}H_{14}N_2O$ (202.26). **Source:** CHAN SU *Bufo bufo gargarizans*; *Bufo melanostictus*. **Ref:** 2.

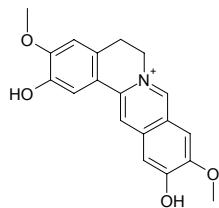
**4885 7-Dehydrocholesterol**

[434-16-2] $C_{27}H_{44}O$ (384.65). mp $142\text{--}143^\circ\text{C}$; 150°C . **Source:** SHUI LONG GU *Polypodium niponicum*. **Ref:** 6.

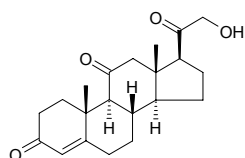


4886 Dehydrocoreximine (perchlorate)

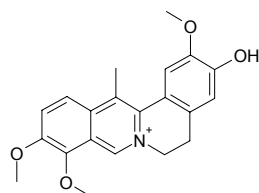
2,3,10,11-Substituted pseudoprotoberberine alkaloid $C_{19}H_{18}NO_4^+$ (324.36). Pale yellow crystalline solid, mp 243~247°C. Source: XIAO HUA MU BAN SHU *Xylopiya parviflora* (bark and root). Ref: 3794.

**4887 11-Dehydrocorticosterone**

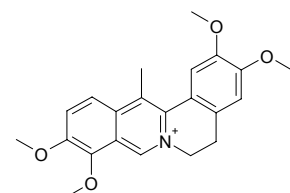
[72-23-1] $C_{21}H_{28}O_4$ (344.45). mp 183.0~183.5°C. Source: NIU SHEN *Bos taurus domesticus*; *Bubalus bubalis*, ZI HE CHE *Homo sapiens*. Ref: 6.

**4888 Dehydrocorybulbine**

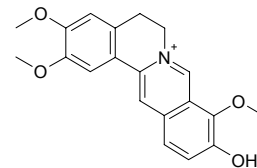
$C_{21}H_{22}NO_4^+$ (352.41). Source: YAN HU SUO *Corydalis yanhusuo* [Syn. *Corydalis turtschaninovii* f. *yanhusuo*]. Ref: 2.

**4889 Dehydrocorydaline**

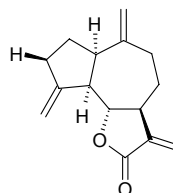
[30045-16-0] $C_{22}H_{24}NO_4^+$ (366.44). Pharm: Antiulcerative (rat, sc, gastric ulcer); coronary vasodilator; increases coronary flow; inhibits gastric secretion; increases tolerance to anoxia (mus); used in treatment of coronary heart disease (main effective component in *Corydalis yanhusuo* YAN HU SUO). Source: CHANG JU YAN HU SUO *Corydalis longicalcarata* (rhizome: content = 0.025%^[5508]), DONG BEI YAN HU SUO *Corydalis ambigua* var. *amurensis* [Syn. *Corydalis ambigua*], DUI YE YUAN HU *Corydalis ledebouriana* (rhizome: content = 0.032%^[5508]), HUI LV YAN HU SUO *Corydalis adunca* (rhizome: content = 0.069%^[5508]), XI SHEN SHAN ZI JIN *Corydalis pallida* var. *tenuis*, YAN HU SUO *Corydalis yanhusuo* [Syn. *Corydalis turtschaninovii* f. *yanhusuo*] (rhizome: mean content of 5 origins = 0.152%^[5508]). Ref: 2, 658, 5508.

**4890 Dehydrocorydalmine**

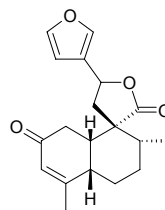
[6877-27-6] $C_{20}H_{20}NO_4^+$ (338.39). Source: CHANG JU YAN HU SUO *Corydalis longicalcarata* (rhizome: content = 0.208%^[5508]), HUI LV YAN HU SUO *Corydalis adunca* (rhizome: content = 0.122%^[5508]), YAN HU SUO *Corydalis yanhusuo* [Syn. *Corydalis turtschaninovii* f. *yanhusuo*]. Ref: 6, 5508.

**4891 Dehydrocostuslactone**

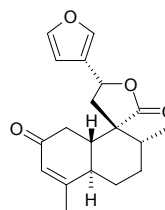
$C_{15}H_{18}O_2$ (230.31). mp 60.5°C. Pharm: Plant growth regulator; antitrypanosomal (epimastigotes of *Trypanosoma cruzi*, MLC = 6.3μmol/L); anti-inflammatory (NO production inhibitor)^[4415]; cytotoxic (*in vitro*, HepG₂, CD₅₀ = 3.5μg/mL; HeLa, CD₅₀ = 3.5μg/mL; OVCAR-3, CD₅₀ = 2.5μg/mL; control Cisplatin, HepG₂, CD₅₀ = 2.8μg/mL; HeLa, CD₅₀ = 5.2μg/mL; OVCAR-3, CD₅₀ = 3μg/mL; without significant antibacterial effect)^[4720]. Source: CHUAN MU XIANG *Vladimiria souliei* [Syn. *Jurinea souliei*] (root: content scope of 4 origins = 0.482%~1.620%, mean content of = 1.29%^[5508]), MU XIANG *Saussurea lappa* [Syn. *Aucklandia lappa*] (root: mean content of 10 origins = 1.83%^[5508], yield = 0.019%^[4720]), YUE GUI YE *Laurus nobilis*, YUE XI MU XIANG *Vladimiria denticulata*. Ref: 2, 6, 658, 660, 4248, 4415, 4720, 5508.

**4892 cis-Dehydrocrotonin**

$C_{19}H_{22}O_4$ (314.38). Source: GE LUN BI YA BA DOU *Croton schiedeanus*. Ref: 4552.

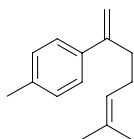
**4893 trans-Dehydrocrotonin**

$C_{19}H_{22}O_4$ (314.38). Pharm: Antiulcerogenic^[5351], cytotoxic (HL-60 cells, MTT assay, 24h, IC₅₀ = 300μmol/L, 96h, IC₅₀ = 180μmol/L, control Myricetin, 24h, IC₅₀ = 192μmol/L; protein quantification, 24h, IC₅₀ = 500μmol/L, 96h, IC₅₀ = 150μmol/L, control Myricetin, 24h, IC₅₀ = 300μmol/L). Source: KA ZHU BA DOU *Croton cajucara*. Ref: 5351.

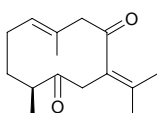


4894 Dehydro- α -curcumene

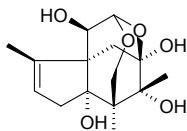
[4999-58-0] C₁₅H₂₀ (200.33). Source: CE BAI ZHI JIE *Thuja orientalis* [Syn. *Platyclusus orientalis*; *Biota orientalis*]. Ref: 6.

**4895 Dehydrocurdione**

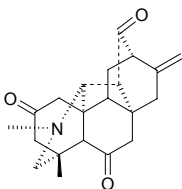
[38230-32-9] C₁₅H₂₂O₂ (234.34). Pharm: NO production inhibitor (mus peritoneal macrophages, induced by LPS, 100 μ mol/L, InRt = (12.8 \pm 3.1)%, control *L*-NMMA, 100 μ mol/L, InRt = (79.2 \pm 0.9)%, $p < 0.01$)^[4150]. Source: PING E SHU *Curcuma zedoaria* [Syn. *Curcuma aeruginosa*], JIANG HUANG *Curcuma longa*. Ref: 6, 640, 4150.

**4896 1,2-Dehydrocycloparvifloralone**

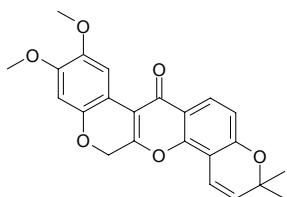
C₁₅H₂₂O₆ (298.34). Colorless amorphous powder, $[\alpha]_D^{22} = +14^\circ$ ($c = 1.77$, CH₃OH). Pharm: Neurotrophic bioassay inactive (primary culture of rat cortical neurons, 0.1-10 μ mol/L). Source: *Illicium merrillianum* (pericarp; yield = 0.00038% dw). Ref: 3046.

**4897 Dehydrodeacetylheterophylloidine**

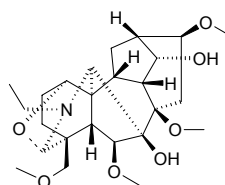
C₂₁H₂₅NO₃ (339.44). Amorphous, $[\alpha]_D^{25} = -73.3^\circ$ ($c = 0.17$, CHCl₃). Source: WU ZHU FEI YAN CAO *Delphinium pentagynum* (aerial parts). Ref: 3831.

**4898 Dehydrodeguelin**

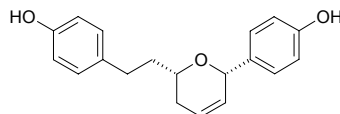
6 α ,12 α -Dehydrodeguelin [3466-23-7] C₂₃H₂₀O₆ (392.41). Straw yellow solid, mp 215-225°C. Pharm: cAMP phosphodiesterase inhibitor (rat heart, IC₅₀ = 6.2 μ mol/L); larvacide (larva of mosquito); nematocide (*in vitro*, 0.1 μ g/mL, larva of *Toxocara canis*, after 6 hours cultivation, RM = 30, after 24 hours, RM = 0). Source: MU LAN⁽²⁾ *Indigofera tinctoria*, HUI YE GEN *Tephrosia purpurea*. Ref: 946, 1138, 1188.

**4899 Dehydrodeltatsine**

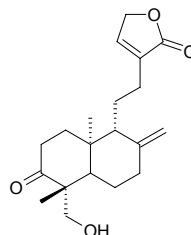
C₂₅H₃₉NO₇ (465.59). Amorphous solid, $[\alpha]_D^{25} = +20^\circ$ ($c = 0.1$, CHCl₃). Source: DONG FANG FEI YAN CAO *Consolida orientalis* (aerial parts). Ref: 4283.

**4900 (3*S*,7*S*)-5,6-Dehydro-4''-de-*O*-methylcentrolobine**

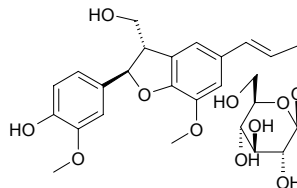
C₁₉H₂₀O₃ (286.37). Pharm: Cytotoxic (Colon26-L5, ED₅₀ > 100 μ mol/L, control 5-FU, ED₅₀ = 0.53 μ mol/L; HT1080, ED₅₀ = 79.4 μ mol/L, 5-FU, ED₅₀ = 8.0 μ mol/L). Source: YUN NAN CAO KOU *Alpinia blepharocalyx* (seed; yield = 0.000014% dw). Ref: 3048.

**4901 3-Dehydrodeoxyandrographolide**

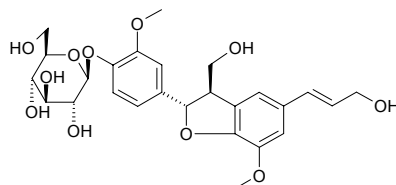
C₂₀H₂₈O₄ (332.44). Colorless lamellar crystals (MeOH), mp 140-142°C. Source: CHUAN XIN LIAN *Andrographis paniculata* [Syn. *Justicia paniculata*] (leaf). Ref: 4913.

**4902 (7*R*,8*S*)Dehydrodiconifery alcohol-9'-*O*- β -*D*-glucoside**

C₂₆H₃₂O₁₁ (520.54). Source: GUAN HUA ROU CONG RONG *Cistanche tubulosa*. Ref: 2448.

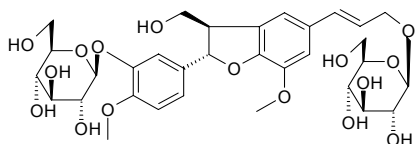
**4903 (7*S*,8*R*)Dehydrodiconifery alcohol-4-*O*- β -*D*-glucoside**

[107870-88-2] C₂₆H₃₂O₁₁ (520.54). White powder, $[\alpha]_D^{21} = -45.8^\circ$ ($c = 0.9$, MeOH). Source: GUAN HUA ROU CONG RONG *Cistanche tubulosa*, MAO JIAN QIU LUO *Lychnis coronaria*. Ref: 2189, 2448.

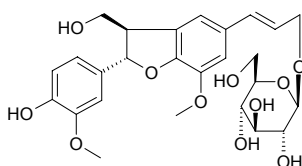


4904 Dehydrodiconiferyl alcohol 4,γ'-di-O-β-D-glucopyranoside

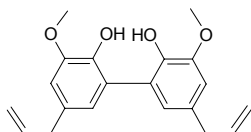
[109792-90-7] C₃₂H₄₂O₁₆ (682.68). Source: DU ZHONG *Eucommia ulmoides*. Ref: 2.

**4905 (7S,8R) Dehydrodiconiferyl alcohol 9'-β-glucopyranoside**

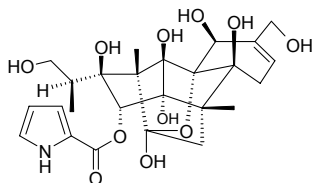
C₂₆H₃₂O₁₁ (520.54). Pale yellow amorphous powder, [α]_D¹⁵ = -19.5° (c = 0.4, CHCl₃). Source: SUO YANG *Cynomorium songaricum* (stem). Ref: 4114.

**4906 Dehydrodieugenol**

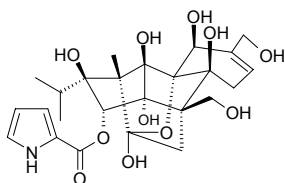
[4433-08-3] C₂₀H₂₂O₄ (326.40). Pharm: Antifungal (using extract of bark of *Litsea turfosa*). Source: NI ZHAO MU JIANG ZI *Litsea turfosa*. Ref: 658.

**4907 (13S)-8,9-Dehydro-18,21-dihydroxy-10-epi-ryanodine**

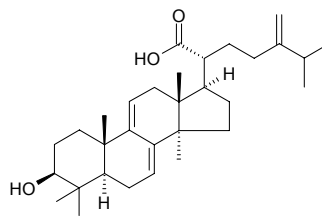
C₂₅H₃₃NO₁₁ (523.54). Crystals (CHCl₃:MeOH = 1:1), mp 162°C, [α]_D = +7° (c = 0.2). Source: QU CHONG CAO *Spigelia anthelmia* (aerial parts). Ref: 5139.

**4908 8,9-Dehydro-20,21-dihydroxy-10-epi-ryanodine**

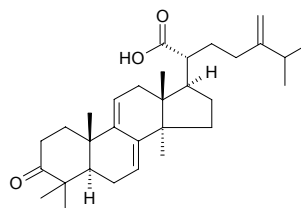
C₂₅H₃₃NO₁₁ (523.54). Crystals (CHCl₃:MeOH = 1:1), mp 173°C, [α]_D = +6° (c = 0.2). Source: QU CHONG CAO *Spigelia anthelmia* (aerial parts). Ref: 5139.

**4909 Dehydroeburicoic acid**

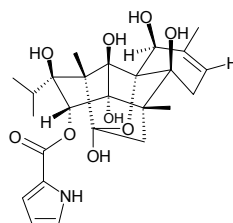
3β-Hydroxy-24-methylene-lanosta-7,9(11)-dien-21-oic acid [6879-05-6] C₃₁H₄₈O₃ (468.73). mp 286–288°C. Source: A LI HONG *Fomes officinalis*, FU LING *Poria cocos*. Ref: 6, 660.

**4910 Dehydroeburicoic acid**

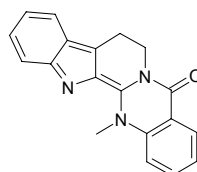
[18449-25-7] C₃₁H₄₆O₃ (466.71). mp 240–242°C. Source: A LI HONG *Fomes officinalis*. Ref: 6.

**4911 8,9-Dehydro-10-epi-ryanodine**

C₂₅H₃₃NO₉ (491.54). Crystals (CHCl₃:Me₂CO = 1:1), mp 165°C, [α]_D = +20° (c = 0.1). Pharm: Cardiac contraction inhibitor (guinea-pig papillary muscle, causes a prolongation of the latency time and decrease of contraction force, EC₅₀ = 17nmol/L)^[5139]. Source: QU CHONG CAO *Spigelia anthelmia* (aerial parts). Ref: 5139.

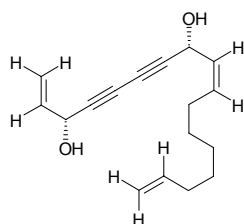
**4912 Dehydroevodiamine**

C₁₉H₁₅N₃O (301.35). Pharm: Uterine stimulant (rat, *in vitro*); slows heart rate (anesthetic rat); antihypertensive (anesthetic rat). Source: WU ZHU YU *Evodia rutaecarpa* (dried unripe fruit). Ref: 5031, 5501.

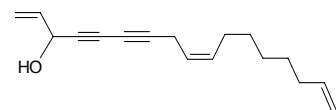


4913 3R,8R-Dehydrofalcarindiol

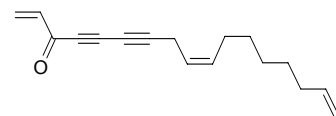
$C_{17}H_{22}O_2$ (258.36). Pale yellow oil, $[\alpha]_D^{25} = +39.8^\circ$ ($c = 2.66$, $CHCl_3$). **Pharm:** 12-Lipoxygenase inhibitor inactive (10 μ g/mL, InRt = 0%; 30 μ g/mL, InRt = 0%; control Baicalein, 10 μ g/mL, InRt = 56.23%); cytotoxic (*in vitro*, MTT assay: LS174T colorectal cancer, $IC_{50} = (14.8 \pm 7.2)\mu$ g/mL, control Doxorubicin, $IC_{50} = (324 \pm 100)$ ng/mL; SKCO1 colorectal cancer, $IC_{50} = (13.3 \pm 5.4)\mu$ g/mL, Doxorubicin, $IC_{50} = (28.5 \pm 10)$ ng/mL; COLO320DM colorectal cancer, $IC_{50} = 9.6\mu$ g/mL, Doxorubicin $IC_{50} = (1163 \pm 168)$ ng/mL; WIDr colorectal cancer, $IC_{50} = 10.9\mu$ g/mL; MDA231 breast cancer, $IC_{50} = 37.6\mu$ g/mL; MCF7 breast cancer, $IC_{50} = 5.8\mu$ g/mL). **Source:** DAN ZI HAO *Artemisia monosperma*. **Ref:** 5249.

**4914 Dehydrofalcarinol**

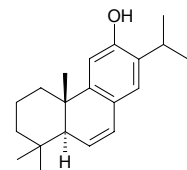
[36150-08-0] $C_{17}H_{22}O$ (242.36). **Source:** YIN CHEN HAO *Artemisia capillaris*. **Ref:** 2.

**4915 Dehydrofalcarinone**

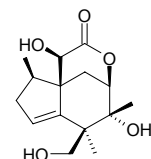
[4117-05-9] $C_{17}H_{20}O$ (240.35). **Source:** YIN CHEN HAO *Artemisia capillaris*. **Ref:** 2.

**4916 Δ^6 -Dehydroferruginol**

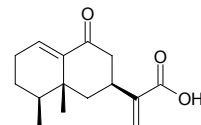
$C_{20}H_{28}O$ (284.45). **Pharm:** 12(S)-LOX inhibitor inactive (hmn Platelets, 100 μ g/mL, 12(S)-HETE Production inhibitor inactive)^[4980]. **Source:** DU SONG SHI *Juniperus rigida*, OU ZHOU CI BAI *Juniperus communis* (wood). **Ref:** 6, 4980.

**4917 3,4-Dehydrofloridanolide**

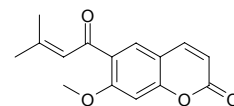
$C_{15}H_{22}O_5$ (282.34). Colorless amorphous, $[\alpha]_D^{20} = +44^\circ$ ($c = 1.90$, $CHCl_3$). **Source:** *Illicium merrillianum* (pericarp). **Ref:** 5113.

**4918 Dehydroflourensic acid**

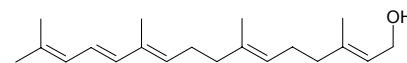
$C_{15}H_{20}O_3$ (248.32). Oil. **Pharm:** Phytotoxin (inhibits radicle growth, *Amaranthus hypochondriacus*, $IC_{50} = 196\mu$ mol/L, control 2,4-D, $IC_{50} = 180\mu$ mol/L; *Echinochloa crusgalli*, $IC_{50} = 620\mu$ mol/L, control 2,4-D, $IC_{50} = 230\mu$ mol/L); CaM interactor (cAMP phosphodiesterase inhibitor, $IC_{50} = 23.2\mu$ mol/L, control Chlorpromazine, $IC_{50} = 10.2\mu$ mol/L, interacted with bovine-brain calmodulin and inhibited the activation of the calmodulin-dependent enzyme cAMP phosphodiesterase). **Source:** FU CHUI FE LAO JU *Flourensia cernua*. **Ref:** 3433.

**4919 Dehydrogeijerin**

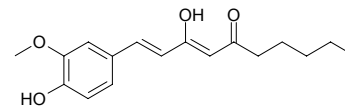
[16850-91-2] $C_{15}H_{14}O_4$ (258.28). mp 132°C. **Source:** YAN JIAO CAO *Boenninghausenia albiflora*. **Ref:** 2495.

**4920 12,13-Dehydrogeranylgeraniol**

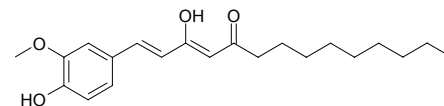
$C_{20}H_{32}O$ (288.48). Clear oil. **Pharm:** Antioxidant (HL-60, PMA-induced peroxide-catalyzed oxidation of 2',7'-dichlorodihydrofluorescein dye (DCFH) by reactive oxygen species (ROS), 5 μ g/mL (17.4 μ mol/L), InRt = 28%)^[3060]. **Source:** MEI ZHOU SAN BAI CAO *Saururus cernuus* (stem and leaf), SHUANG CHA ZAO *Bifurcaria bifurcata*. **Ref:** 3060, 5146.

**4921 6-Dehydrogingerdione**

[76060-35-0] $C_{17}H_{22}O_4$ (290.36). **Pharm:** Anti-inflammatory (prostaglandin biosynthesis inhibitor, $IC_{50} = 2.3\mu$ mol/L); anti-diarrheal (mus, orl, 10mg/kg, inhibits 5-HT-induced diarrhea and loss of body temperature); antihepatotoxin (rat liver cells, *in vitro*, 1.0mg/mL, liver toxicosis induced by CCl_4 , GPT = (70 \pm 2)% of that of control, $p < 0.001$); prostaglandin synthetase inhibitor ($IC_{50} = 1.0\mu$ mol/L). **Source:** SHENG JIANG *Zingiber officinale*. **Ref:** 2, 1815, 1816, 1817, 1820.

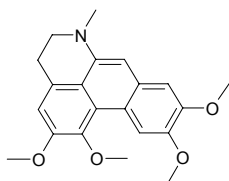
**4922 10-Dehydrogingerdione**

[82206-04-0] $C_{21}H_{30}O_4$ (346.47). **Pharm:** Anti-inflammatory (prostaglandin biosynthesis inhibitor, $IC_{50} = 1.0\mu$ mol/L); antihepatotoxin (rat liver cells, *in vitro*, 1.0mg/mL, liver toxicosis induced by CCl_4 , GPT = (80 \pm 1)% of that of control, $p < 0.01$). **Source:** SHENG JIANG *Zingiber officinale*. **Ref:** 2, 1815, 1817.

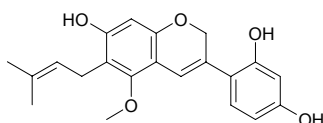


4923 Dehydroglaucine

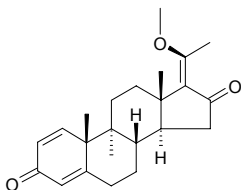
[22212-26-6] C₂₁H₂₃NO₄ (353.42). Yellow lamellar crystals, mp 121~122°C. **Pharm:** Antibacterial (*Staphylococcus aureus*, *Bacillus subtilis*, and *Mycobacterium smegmatis*, MIC = 25µg/mL); antifungal (*Candida albicans*, MIC = 25µg/mL; *Saccharomyces cerevisiae*, MIC = 50µg/mL). **Source:** BEI MEI E ZHANG QIU *Liriodendron tulipifera*, HUANG HAI YING SU *Glaucium flavum*. **Ref:** 661.

**4924 Dehydroglyasperin C**

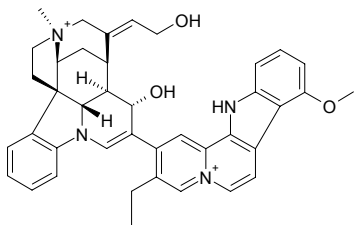
C₂₁H₂₂O₅ (354.41). **Source:** CU MAO GAN CAO *Glycyrrhiza aspera*. **Ref:** 2431.

**4925 Dehydroguggulsterone M**

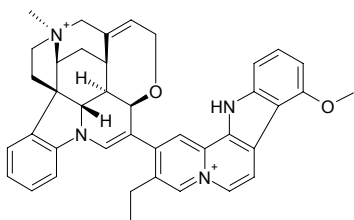
C₂₂H₂₈O₃ (340.47). Amorphous powder, [α]_D = +36.5° (c = 0.76, MeOH) **Source:** A MAN SU DAN MO YAO *Commiphora wightii*. **Ref:** 2062.

**4926 5',6'-Dehydroguaiachrysin**

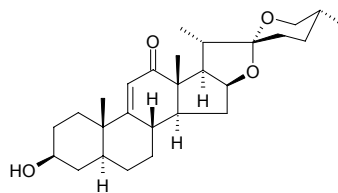
C₄₀H₄₂N₄O₃⁺² (626.81). Orange-brown colored amorphous powder. **Pharm:** Neuromuscular toxicity (neuromuscular transmission inhibitor, IC₅₀ = 21.5µmol/L; Venezuelan calabash curare, IC₅₀ = 6.5µmol/L). **Source:** *Strychnos guianensis* (stem cortex). **Ref:** 5202.

**4927 5',6'-Dehydroguiaflavine**

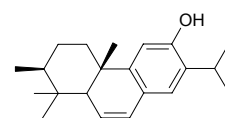
C₄₀H₄₀N₄O₂⁺² (608.79). Orange-brown colored amorphous powder. **Pharm:** Neuromuscular toxicity (neuromuscular transmission inhibitor, IC₅₀ = 24µmol/L; Venezuelan calabash curare, IC₅₀ = 6.5µmol/L). **Source:** *Strychnos guianensis* (stem cortex). **Ref:** 5202.

**4928 9(11)-Dehydrohecogenin**

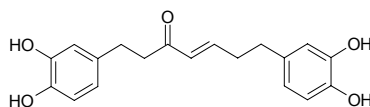
C₂₇H₄₀O₄ (428.62). mp 230~232°C. **Source:** FAN MA *Agave americana*, WU CI FAN MA *Agave americana* var. *marginata* [Syn. *Agave americana* var. *variegata*], *Agave deserti*. **Ref:** 2503.

**4929 6-Dehydrohinokiol**

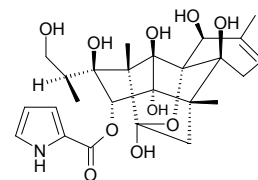
C₂₁H₃₀O (298.47). **Source:** TAI WAN SHAN *Taiwania cryptomerioides*. **Ref:** 2526.

**4930 Dehydrohirsutanonol**

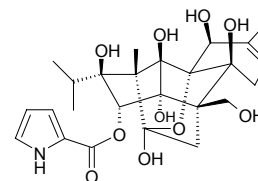
1,7-Di-(3',4'-dihydroxyphenyl)-4-hepten-3-one C₁₉H₂₀O₅ (328.37). Syrupy solid. **Pharm:** Antioxidant (superoxide radical scavenger, IC₅₀ = 1.2µmol/L; DPPH scavenger, IC₅₀ = 2.4µmol/L)^[4535]; cytotoxic (TK10, GI₅₀ = 6.8µg/mL, control Etoposide, GI₅₀ = 8.1µg/mL; MCF7, GI₅₀ = 1.9µg/mL, Etoposide, GI₅₀ = 0.33µg/mL; UACC62, GI₅₀ = 4.8µg/mL, Etoposide, GI₅₀ = 0.97µg/mL)^[5195]. **Source:** CHI YANG *Alnus japonica* (leaf), SHI ZI XING HU JI SHENG *Viscum cruciatum* (aerial parts). **Ref:** 4535, 5195.

**4931 (13S)-8,9-Dehydro-18-hydroxy-10-epi-ryanodine**

C₂₅H₃₃NO₁₀ (507.54). Crystals (CHCl₃:Me₂CO = 3:1), mp 168°C, [α]_D = +11° (c = 0.2). **Pharm:** Cardiac contraction inhibitor (guinea-pig papillary muscle, causes a prolongation of the latency time and decrease of contraction force, EC₅₀ = 1500nmol/L). **Source:** QU CHONG CAO *Spigelia anthelmia* (aerial parts). **Ref:** 5139.

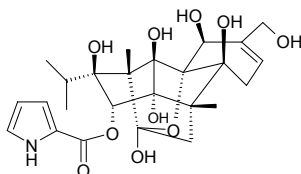
**4932 8,9-Dehydro-20-hydroxy-10-epi-ryanodine**

C₂₅H₃₃NO₁₀ (507.54). Crystals (CHCl₃:Me₂CO = 3:1), mp 148°C, [α]_D = +14° (c = 0.2). **Pharm:** Cardiac contraction inhibitor (guinea-pig papillary muscle, causes a prolongation of the latency time and decrease of contraction force, EC₅₀ = 440nmol/L). **Source:** QU CHONG CAO *Spigelia anthelmia* (aerial parts). **Ref:** 5139.

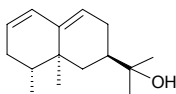


4933 8,9-Dehydro-21-hydroxy-10-epi-ryanodine

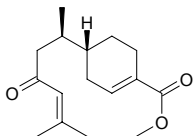
$C_{25}H_{33}NO_{10}$ (507.54). Crystals ($CHCl_3:Me_2CO = 3:1$), mp 178°C, $[\alpha]_D = +25^\circ$ ($c = 1.0$). **Pharm:** Cardiac contraction inhibitor (guinea-pig papillary muscle, causes a prolongation of the latency time and decrease of contraction force, $EC_{50} = 1900\text{nmol/L}$)^[5139]. **Source:** QU CHONG CAO *Spigelia anthelmia* (aerial parts). **Ref:** 5139.

**4934 Dehydrojinkohereol**

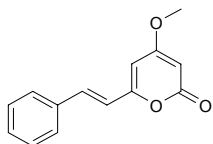
$C_{15}H_{24}O$ (220.36). **Source:** CHEN XIANG *Aquilaria agallocha*. **Ref:** 13.

**4935 Dehydrojuvabione**

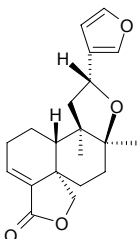
$C_{16}H_{24}O_3$ (264.37). **Pharm:** Insect juvenile hormone. **Source:** XIANG ZHI LENG SHAN *Abies balsamea*. **Ref:** 658.

**4936 5,6-Dehydrokawain**

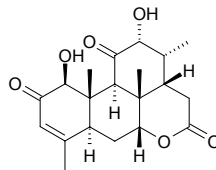
[15345-89-8] $C_{14}H_{12}O_3$ (228.25). **Pharm:** Anticonvulsant; local anesthetic; cytotoxic inactive (Colon26-L5, HT1080, 100 $\mu\text{mol/L}$)^[3042]. **Source:** DA CAO KOU *Alpinia speciosa*, DIAO ZHANG GEN PI *Lindera umbellata* [Syn. *Lindera erythrocarpa*], KA WA HU JIAO *Piper methysticum*, YUN NAN CAO KOU *Alpinia blepharocalyx* (seed: yield = 0.00390%)^[3042]. **Ref:** 658, 3042.

**4937 Dehydrokerlin**

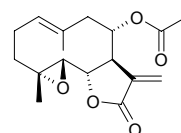
$C_{20}H_{24}O_4$ (328.41). **Source:** DUO SUI SHU WEI CAO *Salvia polystachya* (aerial parts). **Ref:** 3901.

**4938 11-Dehydroklaineone**

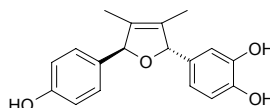
$C_{20}H_{26}O_6$ (362.43). **Pharm:** Plant growth inhibitor (Cucumber seedling, root growth, $IC_{50} = (55.6 \pm 1.0)\mu\text{mol/L}$, shoot growth, $IC_{50} = (77.3 \pm 1.0)\mu\text{mol/L}$; Rice seedling, root growth, $IC_{50} > 200\mu\text{mol/L}$, shoot growth, $IC_{50} > 200\mu\text{mol/L}$). **Source:** CHANG YE KUAN MU *Eurycoma longifolia* (leaf). **Ref:** 5215.

**4939 11,13-Dehydrolanuginolide**

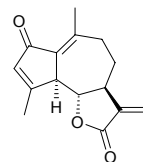
$C_{17}H_{22}O_5$ (306.36). Colorless acicular crystals (ether), mp 167°C (dec), $[\alpha]_D = -96.5^\circ$ ($c = 0.74$, $CHCl_3$). **Pharm:** Cytotoxic (KB, $ED_{50} = 1.8\mu\text{g/mL}$). **Source:** NAN YA HAN XIAO *Michelia doltsopa*. **Ref:** 661.

**4940 3,4-Dehydrolarreatricin**

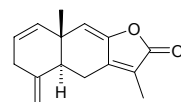
Dehydrolarreatricin $C_{18}H_{18}O_4$ (298.34). **Pharm:** Antioxidant (Takamatsu DCFH method, myelomonocytic HL-60 cells, $IC_{50} > 62.5\mu\text{g/mL}$; control NDGA, $IC_{50} = (0.7 \pm 0.3)\mu\text{g/mL}$, Vitamin C, $IC_{50} = (1.9 \pm 0.7)\mu\text{g/mL}$, Trolox, $IC_{50} = (1.4 \pm 0.5)\mu\text{g/mL}$)^[3850]; cytotoxic (XTT assay, HL-60 cells, $IC_{50} = (27.6 \pm 0.4)\mu\text{g/mL}$; control NDGA, $IC_{50} = (2.6 \pm 0.2)\mu\text{g/mL}$, Vitamin C, $IC_{50} > 10.0\mu\text{g/mL}$, Trolox, $IC_{50} > 10.0\mu\text{g/mL}$)^[3850]. **Source:** SAN CHI LA RUI A *Larrea tridentata* (leaf). **Ref:** 1521, 3850.

**4941 Dehydroleucodin**

Mesatlantin E [36150-07-9] $C_{15}H_{16}O_3$ (244.29). mp 131°C (diethyl ether-petroleum ether), $[\alpha]_{589\text{nm}}^{22} = +77^\circ$, $[\alpha]_{578\text{nm}}^{22} = +81^\circ$, $[\alpha]_{546\text{nm}}^{22} = +92^\circ$, $[\alpha]_{430\text{nm}}^{22} = +155^\circ$ ($c = 2.5$, chloroform). **Pharm:** Antilucerative (rat and mus, stomach/duodenum mucous membrane damage caused by EtOH); cytotoxic (KB ATCC CCL17, $IC_{50} = 1.3\mu\text{g/mL}$)^[5399]. **Source:** YAN XIANG JU *Chrysanthemum lavandulifolium*, YI KUA *Artemisia myriantha* (aerial parts)^[4618], *Warionia saharae*. **Ref:** 900, 4618, 5399.

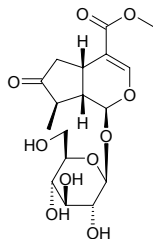
**4942 Dehydrolindestrenolide**

[32810-35-8] $C_{15}H_{16}O_2$ (228.29). mp 111~113°C. **Source:** WU YAO *Lindera strychnifolia* [Syn. *Lindera aggregata*]. **Ref:** 6.

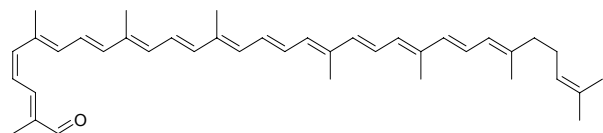


4943 Dehydrologanin

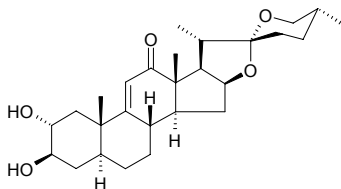
Ketologanin [152-91-0] C₁₇H₂₄O₁₀ (388.37). Source: CHANG CHUN HUA *Catharanthus roseus* [Syn. *Vinca rosea*; *Lochera rosea*], MA QIAN ZI *Strychnos nux-vomica*, SHAN ZHU YU *Cornus officinalis* [Syn. *Macrocarpium officinale*] (fruit: yield = 0.00022%dw)^[9]. Ref: 2, 9, 639, 660.

**4944 3,4-Dehydrolycopen-16-al**

C₄₀H₅₂O (548.86). Source: QIAN NIAN BU LAN XIN *Solanum dulcamara*. Ref: 6.

**4945 9(11)-Dehydromanogenin**

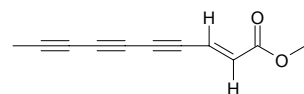
C₂₇H₄₀O₅ (444.62). mp 240°C. Source: FAN MA *Agave americana*, WU CI FAN MA *Agave americana* var. *marginata* [Syn. *Agave americana* var. *variegata*], *Agave deserti*. Ref: 2503.

**4946 Dehydromatricaria ester**

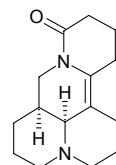
Methyl-*cis*-2-deceno-4,6,8-trienoate [2739-57-3] C₁₁H₁₈O₂ (172.19). mp 114~115°C. Source: AI YE *Artemisia argyi*, QI ZHOU YI ZHI HAO *Conyza canadensis* [Syn. *Erigeron canadensis*]. Ref: 6.

**4947 trans-Dehydromatricaria ester**

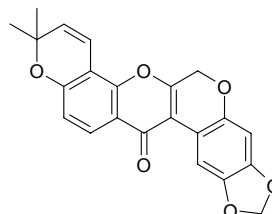
Methyl-*trans*-2-decene-4,6,8-trienoate [692-94-4] C₁₁H₁₈O₂ (172.19). mp 105°C. Source: BI MA GEN *Ricinus communis*, DA YE BAI TOU WENG *Anaphalis margaritacea*. Ref: 6.

**4948 7,11-Dehydromatrine**

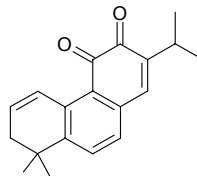
[46862-63-9] C₁₅H₂₂N₂O (246.36). Source: KU SHEN *Sophora flavescens* [Syn. *Sophora angustifolia*]. Ref: 2.

**4949 6α,12α-Dehydromillettone**

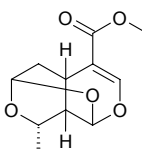
C₂₂H₁₆O₆ (376.37). Yellow crystals, mp>300°C. Pharm: Antimalarial (antiplasmodial, chloroquine-resistant W2 strain of *Plasmodium falciparum*, IC₅₀ = 33.3μmol/L, control Chloroquine, IC₅₀ = 0.094μmol/L, control Quinine, IC₅₀ = 0.209μmol/L; chloroquine-sensitive D6 strain of *Plasmodium falciparum*, IC₅₀ = 39.1μmol/L, control Chloroquine, IC₅₀ = 0.009μmol/L, control Quinine, IC₅₀ = 0.044μmol/L). Source: *Millettia usaramensis* ssp. *usaramensis*. Ref: 3454.

**4950 Dehydromiltirone**

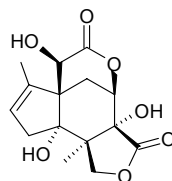
Δ¹-Dehydromiltirone C₁₉H₂₀O₂ (280.37). Red acicular crystals, mp 45~46°C; red oleaginous substance. Source: HONG GEN CAO *Salvia prionitis*, DAN SHEN *Salvia miltiorrhiza*. Ref: 102, 116.

**4951 Dehydromorroneiaglycone**

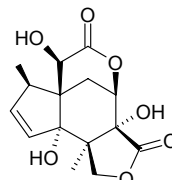
C₁₁H₁₄O₅ (226.23). White crystals, mp 119~120°C, [α]_D²¹ = -47.17° (c = 0.053, EtOH). Source: SHAN ZHU YU *Cornus officinalis* [Syn. *Macrocarpium officinale*] (fruit: yield = 0.00044%dw)^[9]. Ref: 9, 479, 5502.

**4952 1,2-Dehydreneomajucin**

C₁₅H₁₈O₇ (310.31). Amorphous solid, [α]_D²⁰ = -7.8° (c = 0.16, EtOH). Source: JIA DI FENG PI *Illicium jiadifengpi* (pericarp: yield = 0.00013%dw). Ref: 4621.

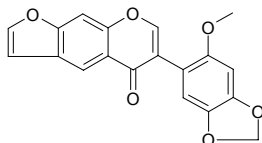
**4953 2,3-Dehydreneomajucin**

C₁₅H₁₈O₇ (310.31). Source: JIA DI FENG PI *Illicium jiadifengpi* (pericarp). Ref: 4621.

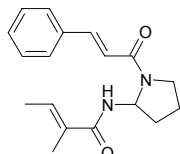


4954 Dehydroneotene

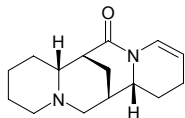
$C_{19}H_{12}O_6$ (336.30). Source: DI GUA ZI *Pachyrhizus erosus*. Ref: 4180.

**4955 Dehydrodorine**

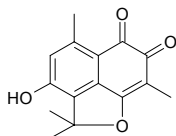
$C_{18}H_{22}N_2O_2$ (298.39). Source: DA YE SHU LAN *Aglaia elliptifolia* (leaf). yield = 0.00104%dw). Ref: 3031.

**4956 (+)-2,3-Dehydro-10-oxo- α -isoparteine**

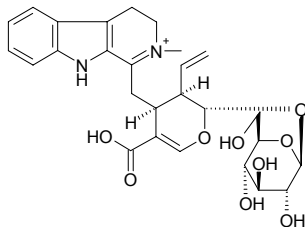
$C_{15}H_{22}N_2O$ (246.36). Colorless needles, mp 98~103°, $[\alpha]_D^{26} = +132^\circ$ ($c = 0.6$, EtOH). Source: FA GUO JIN QUE ER *Cytisus monspessulanus*. Ref: 1943.

**4957 Dehydrooxoperezinone**

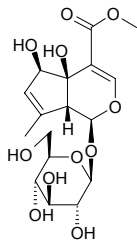
$C_{15}H_{14}O_4$ (258.28). Orange needles ($CHCl_3/CH_3OH$), mp > 280°C. Pharm: Anti-HIV (*in vitro*, acutely infected H-9 lymphocyte cells, $IC_{50} = 25.1\mu g/mL$, $EC_{50} = 17.5\mu g/mL$, $TI = 1.43$); cytotoxic inactive (*in vitro*, MCF7 and A549). Source: GUAN MU TONG *Aristolochia manshuriensis* (stem: yield = 0.00069%). Ref: 4706.

**4958 3,4-Dehydropalicoside**

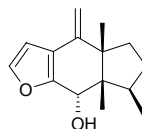
$C_{27}H_{33}N_2O_9^+$ (529.57). Amorphous powder, $[\alpha]_D^{25} = -27^\circ$ ($c = 0.175$, MeOH). Source: *Strychnos vanprukii* (stem). Ref: 3471.

**4959 7,8-Dehydropenstemoside**

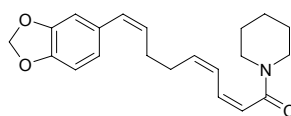
$C_{17}H_{24}O_{11}$ (404.37). Colorless powder, mp 119~120°C. Source: DU YI WEI *Lamiophlomis rotata* [Syn. *Phlomis rotata*]. Ref: 381.

**4960 Dehydropinguisenol**

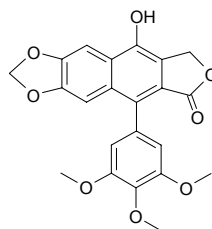
$C_{15}H_{20}O_2$ (232.33). Source: YE TAI *Trocholejeunea sandvicensis*. Ref: 3909.

**4961 Dehydropiperonaline**

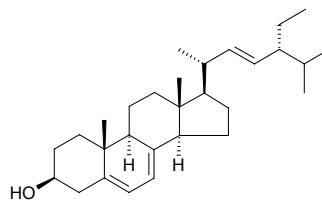
$C_{21}H_{25}NO_3$ (339.44). Colorless crystals. Pharm: Protective gastric lesions (rat, ethanol-induced, 25mg/kg orl, length = (50.6±14.2)mm, control, length = (118.6±16.2)mm, InRt = 57.3%; indomethacin-induced in rats, dose, 25mg/kg orl, length = (34.1±11.0)mm, control, length = (89.5±9.8)mm, InRt = 61.9%). Source: *Piper chaba* (fruit). Ref: 4935.

**4962 Dehydropodophyllotoxin**

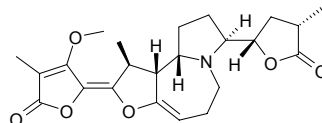
$C_{22}H_{18}O_8$ (410.38). mp 275~276°C. Source: GUI JIU *Dysosma versipellis* [Syn. *Podophyllum versipelle*], LIU JIAO LIAN *Dysosma pleiantha* [Syn. *Podophyllum pleianthum*] (rhizome: content = 0.019%)^[5508], SHAN HE YE *Diphylleia grayi*, TAO ER QI *Podophyllum emodii* [Syn. *Podophyllum emodii* var. *chinense*; *Podophyllum sikkimense*; *Sinopodophyllum emodii*] (rhizome: mean content of 2 origins = 0.037%)^[5508], WO ER QI *Diphylleia sinensis* (rhizome: mean content of 4 origins = 0.072%)^[5508]. Ref: 6, 279, 5508.

**4963 7-Dehydroporiferasterol**

Corbisterol [19432-13-4] $C_{29}H_{46}O$ (410.69). Pharm: Anti-inflammatory (inflammation caused by TPA in mus, 1mg/ear, InRt = 85%, $ID_{50} = 0.5mg/ear$). Source: YAN CAO *Nicotiana tabacum*. Ref: 900.

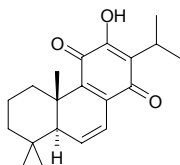
**4964 Dehydroprotostemonine**

$C_{23}H_{29}NO_6$ (415.49). Amorphous, $[\alpha]_D^{20} = +72^\circ$ ($c = 0.3$, MeOH). Pharm: Insecticidal (neonate larvae of *Spodoptera littoralis*, $LC_{50} = 6.1mg/L$, $EC_{50} = 0.8mg/L$). Source: DI TANG BAI BU *Stemona kerrii*, *Stemona curtisii*. Ref: 3409.

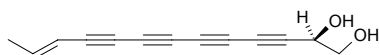


4965 6,7-Dehydroroyleanone

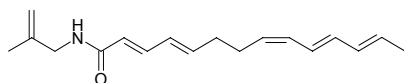
$C_{20}H_{26}O_3$ (314.43). Red crystals, mp 160~164°C. Source: XIU QIU SHU WEI CAO *Salvia hydrangea* (root). Ref: 5447.

**4966 Dehydrosafynol**

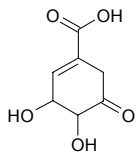
$C_{13}H_{10}O_2$ (198.22). Pharm: Plant antitoxin. Source: HONG HUA *Carthamus tinctorius*. Ref: 658.

**4967 Dehydro-γ-sanshool**

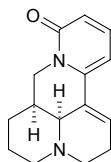
$C_{18}H_{25}NO$ (271.41). Pharm: Anti-PAF. Source: *Zanthoxylum* sp. Ref: 2176.

**4968 Dehydroshikimic acid**

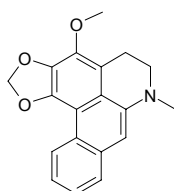
$C_7H_8O_5$ (172.14). mp 150~152°C; 201~202°C. Source: HE ZI *Terminalia chebula*, HE ZI YE *Terminalia chebula*. Ref: 6.

**4969 Δ⁷-Dehydrosophoramine**

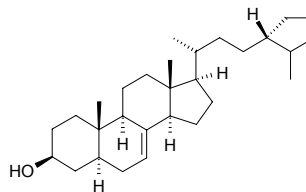
[67767-18-4] $C_{15}H_{18}N_2O$ (242.32). Source: HUANG BAI *Phellodendron amurense*. Ref: 2.

**4970 Dehydrostephalagine**

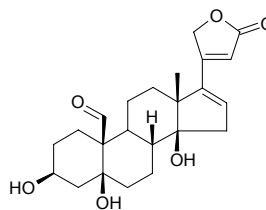
$C_{19}H_{17}NO_3$ (307.35). Pharm: Cytotoxic inactive (yeast assay: RS321NYCp50(gal), RS321NpRAD52(gal), RS321NpRAD52(glu)). Source: DING KE LA QIAN JIN TENG *Stephania dinklagei* (stem). Ref: 5457.

**4971 7-Dehydrostigmasterol**

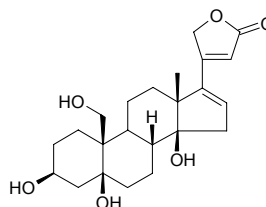
$C_{29}H_{50}O$ (414.72). Source: HUANG BAI *Phellodendron amurense*. Ref: 2.

**4972 16-Dehydrostrophanthidin**

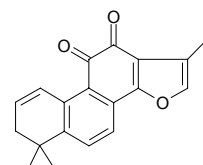
$C_{23}H_{30}O_6$ (402.49). mp 226°C; 253~262°C, $[\alpha]_D = +82.3^\circ$. Source: HEI GANG LIU *Periploca nigrescens*. Ref: 1521, 2498.

**4973 16-Dehydrostrophanthidol**

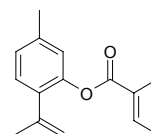
$C_{23}H_{32}O_6$ (404.51). mp 242~247°C, $[\alpha]_D = 68.9^\circ$. Source: HEI GANG LIU *Periploca nigrescens*. Ref: 1521, 2498.

**4974 Δ¹-Dehydrotanshinone**

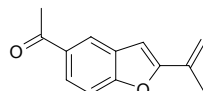
$C_{19}H_{16}O_3$ (292.34). Dark red acicular crystals, mp 147~148°C. Source: DAN SHEN *Salvia miltiorrhiza*. Ref: 116.

**4975 8,9-Dehydrothymol 3-O-tiglate**

$C_{15}H_{18}O_2$ (230.31). Source: PEI LAN *Eupatorium fortunei* (aerial parts). Ref: 3077.

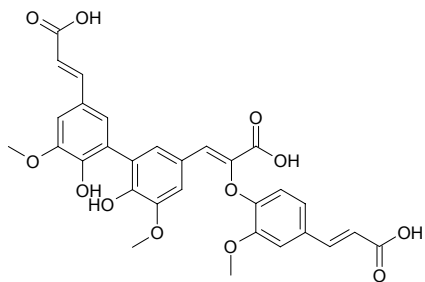
**4976 Dehydrotremetone**

[3015-20-1] $C_{13}H_{12}O_2$ (200.24). Pharm: Antibacterial; fish toxin (goldfish). Source: QIAN MA YE ZE LAN *Eupatorium urticaefolium*. Ref: 658.

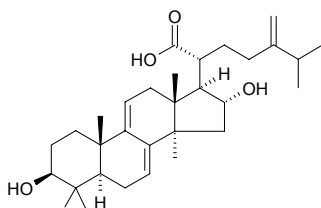


4977 4-O-8',5'-5''-Dehydrotriferulic acid

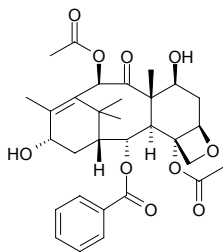
$C_{30}H_{26}O_{12}$ (578.53). Source: YU MI FU *Zea mays* (bran). Ref: 3420.

**4978 Dehydrotumulolic acid**

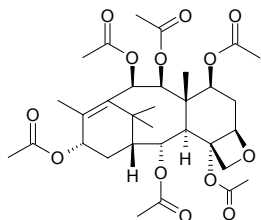
$C_{31}H_{48}O_4$ (484.73). Pharm: Antineoplastic (EBV-EA induced by TPA, mol ratio/TPA = 1000, relative percentage of EBV-EA = 0% (positive control value 32pmol, 20ng TPA = 100%), viability of Raji cells = 70%; reference compound β -Carotene, relative percentage = 8.6%). Source: FU LING *Poria cocos* (sclerotium: yield = 0.00084%dw). Ref: 4616.

**4979 1-Dehydroxybaccatin III**

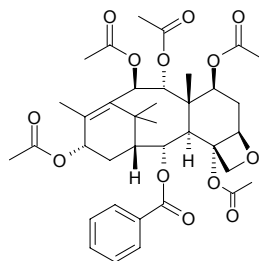
$C_{31}H_{38}O_{10}$ (570.64). Source: YUN NAN HONG DOU SHAN *Taxus yunnanensis*. Ref: 662.

**4980 1 β -Dehydroxybaccatin IV**

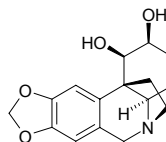
$C_{32}H_{44}O_{13}$ (636.70). Colorless prisms, $[\alpha]_D = +5^\circ$ ($CHCl_3$), mp 286°C, mp 259–260°C, $[\alpha]_D = +99^\circ$ ($CHCl_3$). Pharm: NO production inhibitor ($IC_{50} = 32.2\mu mol/L$, control *L*-NMMA, $IC_{50} = 28.5\mu mol/L$)^[5407]. Source: HONG DOU SHAN *Taxus chinensis*, JIE ZHI HONG DOU SHAN *Taxus media*, YUN NAN HONG DOU SHAN *Taxus yunnanensis* (wood). Ref: 662, 2488, 5407.

**4981 1 β -Dehydroxybaccatin VI**

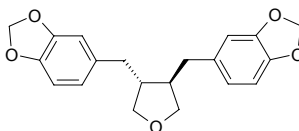
$C_{37}H_{46}O_{13}$ (698.77). Colorless crystals, mp 220–221°C, $[\alpha]_D = -21.2^\circ$ ($CHCl_3$). Source: JIE ZHI HONG DOU SHAN *Taxus media*, MEI LI HONG DOU SHAN *Taxus mairei*. Ref: 139, 662.

**4982 4 α -Dehydroxycrinamabine**

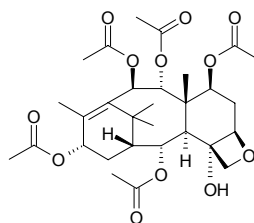
$C_{16}H_{19}NO_4$ (289.33). Pharm: Antitrypanosomal (*Trypanosoma brucei rhodesiense* strain STIB-900, stage trypomastigotes, $IC_{50} = 11.07\mu g/mL$); antimalarial inactive (*Plasmodium falciparum* strain NF-54, stage IEF). Source: GUAN MU WEN SHU LAN *Crinum macowanii* (bulb). Ref: 4000.

**4983 Dehydroxycubebin**

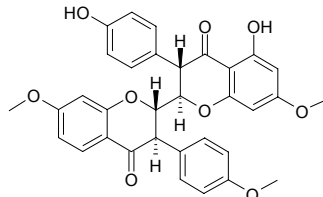
$C_{20}H_{30}O_5$ (340.38). Source: QIANG DAO YAO *Hypoestes purpurea* [Syn. *Justicia purpurea*; *Hypoestes sinica*] (aerial parts: yield = 0.000034%dw). Ref: 4783.

**4984 1 β -Dehydroxy-4 α -deacetylbaaccatin IV**

$C_{30}H_{42}O_{12}$ (594.66). Source: MEI LI HONG DOU SHAN *Taxus mairei*. Ref: 662.

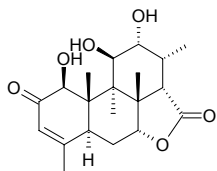
**4985 Dehydroxyhexaspermone C**

rel-4',7-Dimethoxy-4-oxo-2,3-*trans*-isoflavanyl-(2→2'')-4'',5''-dihydroxy-7''-methoxy-2'',3''-*trans*-isoflavanone $C_{33}H_{28}O_9$ (568.59). White or colorless solid, mp 133–135°C, $[\alpha]_D^{23.7} = -117.0^\circ$ ($c = 0.05$, MeOH). Pharm: Antibacterial inactive (MDR *Staphylococcus aureus*: RN4220 strain, 64 $\mu g/mL$, control Erythromycin, MIC = 128 $\mu g/mL$; XU212 strain, 64 $\mu g/mL$, control Tetracycline, MIC = 128 $\mu g/mL$; SA-1199-B strain, 64 $\mu g/mL$, control Norfloxacin, MIC = 32 $\mu g/mL$). Source: CHANG E JIN LIAN MU PI *Ochna macrocalyx*. Ref: 5372.

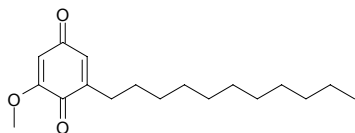


4986 6-Dehydroxylongilactone

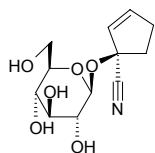
6-Dehydroxylongilactone $C_{19}H_{26}O_6$ (350.42). **Pharm:** Cytotoxic (P_{388} , IC_{50} = 0.66 $\mu\text{g/mL}$, A549 cells, remarkable activity, MCF7 cells, IC_{50} < 2.5 $\mu\text{g/mL}$)^[4556]; plant growth inhibitor (Cucumber seedling, root growth, IC_{50} = (25.7 \pm 0.5) $\mu\text{mol/L}$, shoot growth, IC_{50} = (48.6 \pm 0.5) $\mu\text{mol/L}$; Rice seedling, root growth, IC_{50} > 200 $\mu\text{mol/L}$, shoot growth, IC_{50} > 200 $\mu\text{mol/L}$)^[5215]. **Source:** CHANG YE KUAN MU *Eurycoma longifolia* (leaf), *Eurycoma* sp. **Ref:** 4556, 5215.

**4987 2-Dehydroxy-5-O-methylembelin**

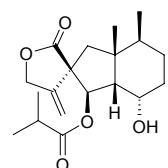
$C_{18}H_{28}O_3$ (292.42). **Pharm:** Cytotoxic inactive (*in vitro*, HL-60, IC_{50} > 100 $\mu\text{g/mL}$; Bel7402, IC_{50} > 100 $\mu\text{g/mL}$; HeLa, IC_{50} > 100 $\mu\text{g/mL}$; U937, IC_{50} > 100 $\mu\text{g/mL}$; control Colchicine, HL-60, IC_{50} = 1.6 $\mu\text{g/mL}$; Bel7402, IC_{50} = 0.4 $\mu\text{g/mL}$; HeLa, IC_{50} = 0.1 $\mu\text{g/mL}$; U937, IC_{50} = 0.1 $\mu\text{g/mL}$)^[4746]. **Source:** LA ZHU GUO *Aegiceras corniculatum* (stem and twig: yield = 0.00005%). **Ref:** 4746.

**4988 Deidaclin**

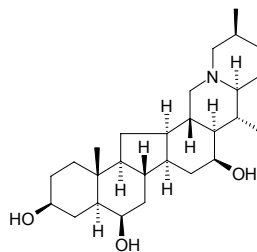
$C_{12}H_{17}NO_6$ (198.22). **Pharm:** Toxin. **Source:** GE YANG XI FAN LIAN *Passiflora coriacea*. **Ref:** 658.

**4989 Deisobutyryl bakkenolide H**

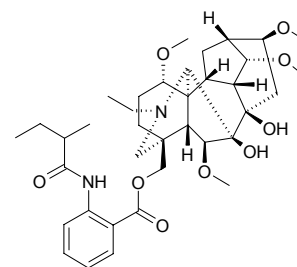
$C_{19}H_{28}O_5$ (336.45). Colorless needles (MeOH), mp 178–180°C, $[\alpha]_D^{20}$ = -93.0° (c = 0.365, MeOH). **Pharm:** Platelet aggregation inhibitor (100 $\mu\text{mol/L}$ AA-induced, 100 $\mu\text{g/mL}$, InRt = (91.7 \pm 6.8)%), p < 0.001, control Aspirin, 50 $\mu\text{g/mL}$, InRt = (100 \pm 0.0)%; 10 $\mu\text{g/mL}$ collagen-induced, 100 $\mu\text{g/mL}$, InRt = (85.5 \pm 13.0)%, p < 0.001, Aspirin, 50 $\mu\text{g/mL}$, InRt = (12.2 \pm 1.7)%; 2 nmol/L PAF-induced, 100 $\mu\text{g/mL}$, InRt = (21.0 \pm 1.7)%, p < 0.001, Aspirin, 50 $\mu\text{g/mL}$, InRt = (9.6 \pm 1.2)%; 0.1 $\mu\text{g/mL}$ thrombin-induced, 100 $\mu\text{g/mL}$, InRt = (-1.1 \pm 1.1)%). **Source:** TAI WAN FENG DOU CAI *Petasites formosanus*. **Ref:** 2377.

**4990 Delafrine**

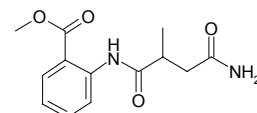
$C_{27}H_{45}NO_3$ (431.66). **Source:** XI BEI MU *Fritillaria imperialis* (bulb). **Ref:** 4217.

**4991 Delajacine**

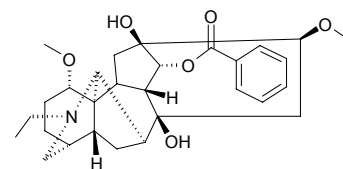
$C_{37}H_{54}N_2O_9$ (670.85). White amorphous powder. **Source:** QIN LING CUI QUE HUA *Delphinium giraldii*. **Ref:** 2506.

**4992 Delamide**

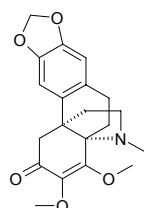
$C_{13}H_{16}N_2O_4$ (274.28). **Source:** FU ZI *Aconitum carmichaeli*. **Ref:** 16.

**4993 Delavaconitine**

[1356-52-1] $C_{29}H_{39}NO_6$ (497.64). mp 59–64°C, $[\alpha]_D^{17}$ = -9.56°; nitrate: mp 154°C; perchlorate: mp 241°C; picrolonate: mp 241°C; chloraurate: mp 215°C. **Pharm:** Analgesic; local anesthetic; LD (rbt, iv) = 5–10 mg/kg, (dog, iv) = 10–12 mg/kg; LD₅₀ (mus, sc) = 106 mg/kg, (mus, iv) = 28 mg/kg. **Source:** MA ER SHAN WU TOU *Aconitum delavayi*. **Ref:** 661.

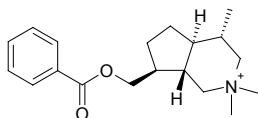
**4994 Delavaine**

[27989-72-6] $C_{20}H_{23}NO_5$ (357.41). mp 140–150°C. **Source:** DI BU RONG *Stephania delavayi* [Syn. *Stephania epigaea*]. **Ref:** 1521.

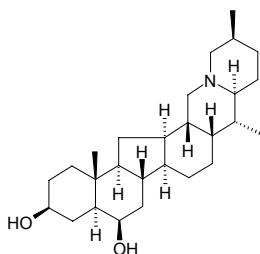


4995 Delavayine A

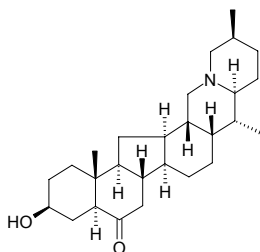
$C_{19}H_{28}NO_2$ (302.44). Yellow powder, $[\alpha]_D^{22} = -5.1^\circ$ ($c = 0.90$, C_5H_5N). **Pharm:** Antinociceptive (acetic acid-induced, 50mg/kg, sc, inhibitive percent = 45%; control Aminopyrine, 50mg/kg, orl, inhibitive percent = 87%, 50mg/kg, sc, inhibitive percent = 94%). **Source:** MA TONG HUA *Incarvillea arguta*. **Ref:** 3908.

**4996 Delavine**

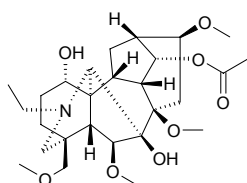
[98243-57-3] $C_{27}H_{45}NO_2$ (415.67). Colorless needles (EtOH), mp 179–182°C (dec), $[\alpha]_D^{25} = -17.2^\circ$ ($c = 0.5$, $CHCl_3$). **Pharm:** cAMP phosphodiesterase inhibitor ($IC_{50} = 88\mu\text{mol/L}$); AChE inhibitor ($IC_{50} = (105.5 \pm 1.5)\mu\text{mol/L}$, control Eserine, $IC_{50} = (0.41 \pm 0.01)\mu\text{mol/L}$)^[4217]; butyrylcholinesterase (BChE) inhibitor ($IC_{50} = (1.71 \pm 0.11)\mu\text{mol/L}$, control Eserine, $IC_{50} = (0.857 \pm 0.008)\mu\text{mol/L}$)^[4217]. **Source:** LENG SHA BEI MU *Fritillaria delavayi*, XI BEI MU *Fritillaria imperialis* (bulb). **Ref:** 2, 660, 1755, 4217.

**4997 Delavinone**

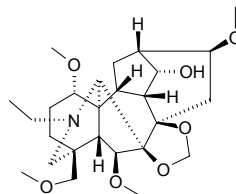
[96997-98-7] $C_{27}H_{43}NO_2$ (413.65). **Source:** LENG SHA BEI MU *Fritillaria delavayi*, GAN SU BEI MU *Fritillaria przewalskii*. **Ref:** 2, 660.

**4998 Delbonine**

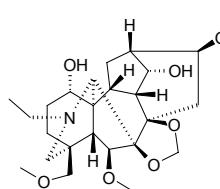
[95066-33-4] $C_{27}H_{43}NO_8$ (509.65). Amorphous solid, $[\alpha]_D^{25} = +35.3^\circ$ ($c = 0.8$, $CHCl_3$). **Source:** CHUAN QIAN CUI QUE HUA *Delphinium bonvalotii*, DONG FANG FEI YAN CAO *Consolida orientalis* (aerial parts). **Ref:** 1521, 4283.

**4999 Delbruline**

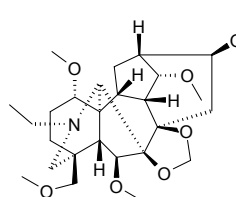
[106982-82-5] $C_{26}H_{41}NO_7$ (479.62). **Source:** FU ZI *Aconitum carmichaeli*. **Ref:** 16.

**5000 Delbrunine**

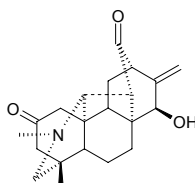
[106982-83-6] $C_{25}H_{39}NO_7$ (465.59). **Source:** FU ZI *Aconitum carmichaeli*. **Ref:** 16.

**5001 Delbrusine**

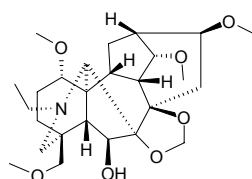
[76971-31-8] $C_{27}H_{43}NO_7$ (493.65). **Source:** FU ZI *Aconitum carmichaeli*. **Ref:** 16.

**5002 Delcarduchol**

$C_{21}H_{27}NO_3$ (341.45). **Source:** *Delphinium carduchorum*. **Ref:** 2288.

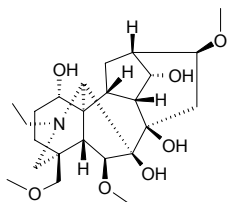
**5003 Delcorine**

[52358-55-1] $C_{26}H_{41}NO_7$ (479.62). **Pharm:** Inhibits intestinal contraction (rat and rbt, *in vitro*); inhibits respiration; uterine relaxant (gpg); antihypertensive. **Source:** GUANG FEI YAN CAO *Delphinium corumbosum*. **Ref:** 658.

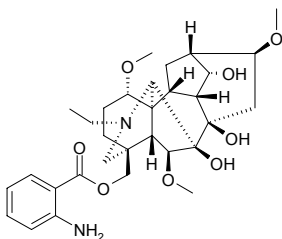


5004 Delcosine

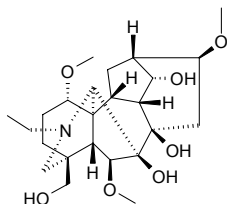
Delphamine [545-56-2] $C_{24}H_{39}NO_7$ (453.58). mp 203~204°C. **Pharm:** Antihypertensive (anesthetic, cat, 10mg/kg); toxin (poikilotherms). **Source:** FEI YAN CAO *Consolida ajacis* [Syn. *Delphinium ajacis*], QIANG GU FEI YAN CAO *Delphinium consolida*, XIAO CAO WU *Delphinium yunnanense*. **Ref:** 6, 16, 658.

**5005 Delectine**

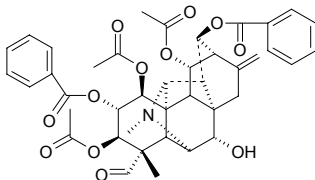
[58485-71-5] $C_{31}H_{44}N_2O_8$ (572.70). White amorphous powder. **Source:** E MEI CUI QUE HUA *Delphinium omeiense*. **Ref:** 2190.

**5006 Delectinine**

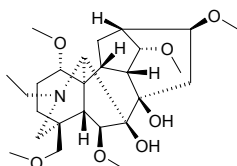
[58480-82-3] $C_{24}H_{39}NO_7$ (453.58). White amorphous powder. **Source:** E MEI CUI QUE HUA *Delphinium omeiense*. **Ref:** 2190.

**5007 Delgrandine**

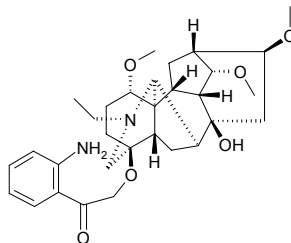
$C_{41}H_{43}NO_{12}$ (741.80). **Source:** FU ZI *Aconitum carmichaeli*. **Ref:** 16.

**5008 Delphatine**

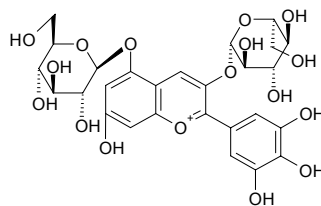
[25488-62-4] $C_{26}H_{43}NO_7$ (481.64). **Pharm:** Anti-inflammatory (modified assay of Berridge, 100µg/mL, InRt = 17.39%)^[5271]; tyrosinase inhibitor inactive (control Kojic acid, IC_{50} = (16.67±0.52)µmol/L, *L*-Mimosine, IC_{50} = (3.68±0.02)µmol/L)^[5271]; antioxidant (DPPH scavenger, 1µmol/L, ScRt = 55.4%; control *3-t*-Butyl-4-hydroxyanisole, 1µmol/L, ScRt = 92.5%)^[5271]. **Source:** FU ZI *Aconitum carmichaeli*, *Aconitum leave* (aerial parts). **Ref:** 16, 5271.

**5009 Delphicrispuline**

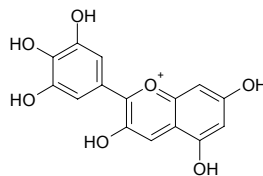
Neofinaconitine $C_{30}H_{42}N_2O_6$ (526.68). $[\alpha]_D^{20} = +23.8^\circ$ ($c = 0.8$, $CHCl_3$) **Source:** GAN WAN WU TOU *Aconitum finetianum*, TU ER QI CUI QUE HUA *Delphinium crispulum*. **Ref:** 1913, 2690.

**5010 Delphin**

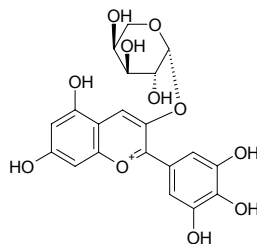
Delphinidin-3,5-diglucoside [17670-06-3] $C_{27}H_{31}O_{17}^+$ (627.54). **Source:** BAI FAN DOU *Phaseolus vulgaris*, FEI YAN CAO *Consolida ajacis* [Syn. *Delphinium ajacis*], MU XU *Medicago sativa*, QIE ZI *Solanum melongena*, YA ZHI CAO *Commelina communis*. **Ref:** 6.

**5011 Delphinidin**

Delphinidol $C_{15}H_{11}O_7^+$ (303.25). **Pharm:** Pigment; leukocyte elastase MMP-2/9 inhibitor^[4416]. **Source:** BU XUE CAO *Limonium gmelinii*, FENG XIAN HUA *Impatiens balsamina*, PU⁽³⁾ TAO *Syzygium jambos*, TAO ER QI *Podophyllum emodii* [Syn. *Podophyllum emodii* var. *chinense*; *Podophyllum sikkimensis*; *Sinopodophyllum emodii*]. **Ref:** 6, 658, 4416.

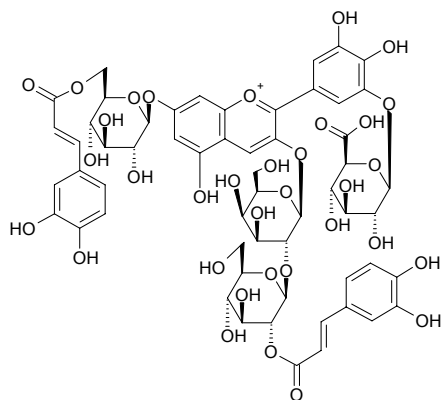
**5012 Delphinidin-3-arabinoside**

[28500-01-8] $C_{20}H_{19}O_{11}^+$ (435.37). **Source:** ZI WEI HUA *Lagerstroemia indica*. **Ref:** 6.



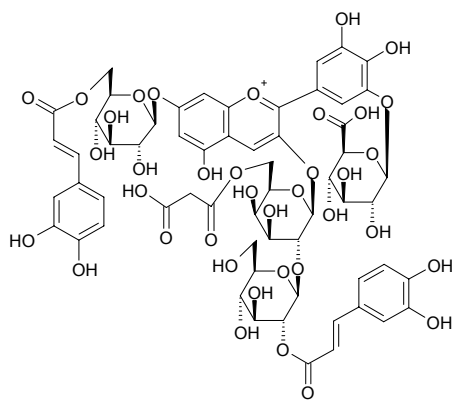
5013 Delphinidin-3-O-[2-O-(2-O-(trans-caffeoyl)- β -D-glucopyranosyl)- β -D-galactopyranoside]-7-O-[6-O-(trans-caffeoyl)- β -D-glucopyranoside]-3'-O-[β -D-glucuronopyranoside]

$C_{57}H_{61}O_{34}^+$ (1290.10). Source: HUA GUAN YIN LIAN HUA *Anemone coronaria*. Ref: 1956.



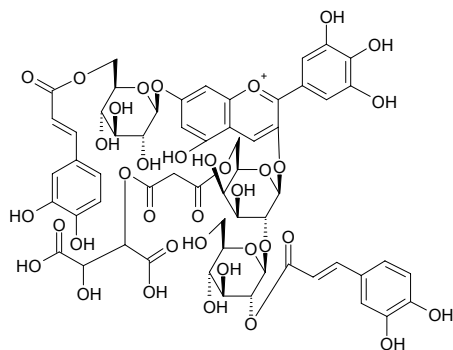
5014 Delphinidin-3-O-[2-O-(2-O-(trans-caffeoyl)- β -D-glucopyranosyl)-6-O-(malonyl)- β -D-galactopyranoside]-7-O-[6-O-(trans-caffeoyl)- β -D-glucopyranoside]-3'-O-[β -D-glucuronopyranoside]

$C_{60}H_{63}O_{37}^+$ (1376.15). Source: HUA GUAN YIN LIAN HUA *Anemone coronaria*. Ref: 1956.



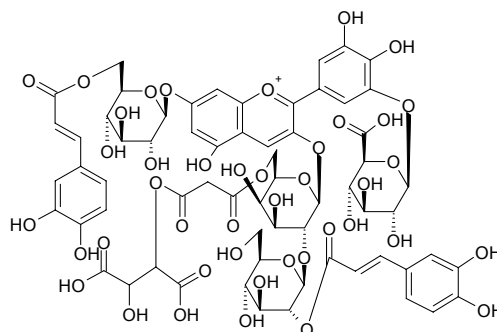
5015 Delphinidin-3-O-[2-O-(2-O-(trans-caffeoyl)- β -D-glucopyranosyl)-6-O-(2-O-(tartaryl)malonyl)- β -D-galactopyranoside]-7-O-[6-O-(trans-caffeoyl)- β -D-glucopyranoside]

$C_{58}H_{59}O_{36}^+$ (1332.10). Source: HUA GUAN YIN LIAN HUA *Anemone coronaria*. Ref: 1956.



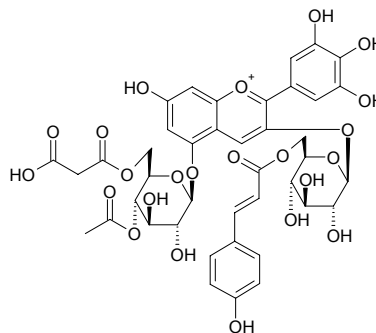
5016 Delphinidin-3-O-[2-O-(2-O-(trans-caffeoyl)- β -D-glucopyranosyl)-6-O-(2-O-(tartaryl)malonyl)- β -D-galactopyranoside]-7-O-[6-O-(trans-caffeoyl)- β -D-glucopyranoside]-3'-O-[β -D-glucuronopyranoside]

$C_{64}H_{67}O_{42}^+$ (1508.22). Source: HUA GUAN YIN LIAN HUA *Anemone coronaria*. Ref: 1956.



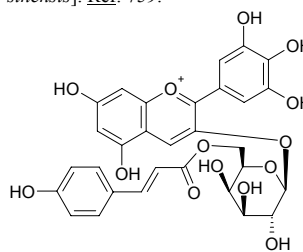
5017 Delphinidin-3-O-[6-O-(p-coumaroyl)- β -D-glucopyranoside]-5-O-[4-O-acetyl-6-O-malonyl- β -D-glucopyranoside]

$C_{41}H_{41}O_{23}^+$ (901.77). Source: *Salvia uliginosa*. Ref: 2367.



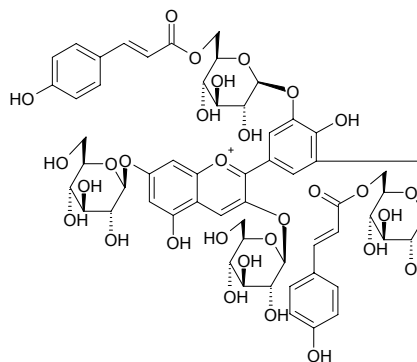
5018 Delphinidin-3-O- β -D-(6-(E)-p-coumaroyl) galactopyranoside

$C_{30}H_{27}O_{14}^+$ (611.54). Source: CHA YE *Camellia sinensis* [Syn. *Thea sinensis*]. Ref: 759.



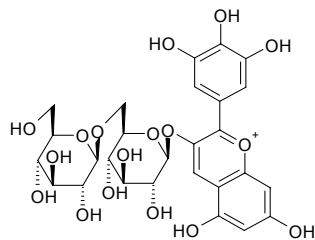
5019 Delphinidin-3,7-di-O- β -glucopyranoside-3',5'-di-O-(6-O-p-coumaroyl)- β -glucopyranoside)

$C_{57}H_{63}O_{31}^+$ (1244.12). Source: TA SI MA NI YA JIE GENG LAN *Dianella tasmanica* (berry), HEI JIE GENG LAN *Dianella nigra* (berry). Ref: 5214.

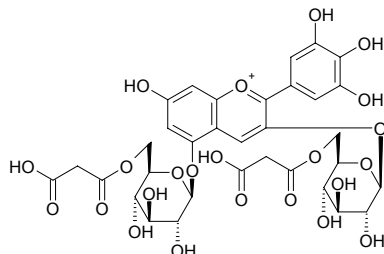


5020 Delphinidin-3-diglucoside

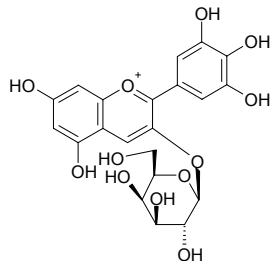
$C_{27}H_{31}O_{17}^+$ (627.54). Source: SHUI HU LU *Eichhornia crassipes*. Ref: 6.

**5021 Delphinidin-3,5-di-O-(6-O-malonyl-β-D-glucoside)**

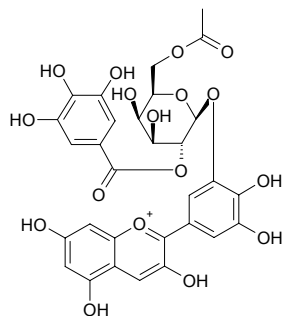
$C_{33}H_{35}O_{23}^+$ (799.63). Source: JU QU *Cichorium intybus*. Ref: 1955.

**5022 Delphinidin-3-O-β-D-galactopyranoside**

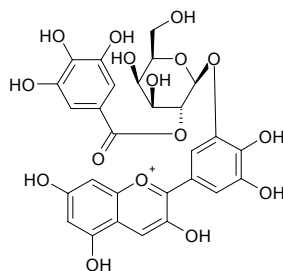
Empetrin [68852-84-6] $C_{21}H_{21}O_{12}^+$ (465.39). Source: CHA YE *Camellia sinensis* [Syn. *Thea sinensis*]. Ref: 759.

**5023 Delphinidin-3'-O-(2''-O-galloyl-6''-O-acetyl-β-galactopyranoside)**

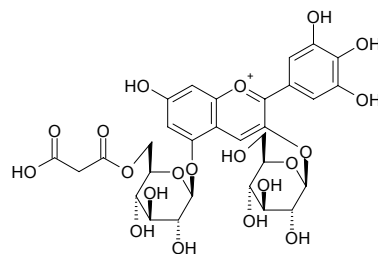
$C_{30}H_{27}O_{17}^+$ (659.54). Source: LAN SHUI LIAN *Nymphaea caerulea*. Ref: 1863.

**5024 Delphinidin-3'-O-(2''-O-galloyl-β-galactopyranoside)**

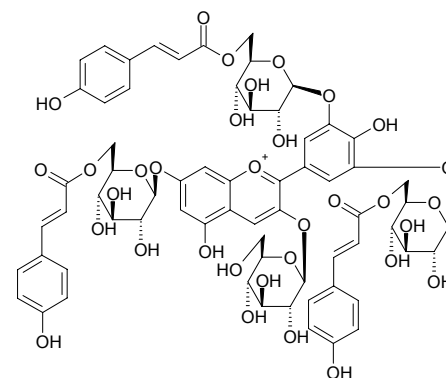
$C_{28}H_{25}O_{16}^+$ (617.50). Source: LAN SHUI LIAN *Nymphaea caerulea*. Ref: 1863.

**5025 Delphinidin-3-O-(β-D-glucopyranoside)-5-O-(6-O-malonyl-β-D-glucopyranoside)**

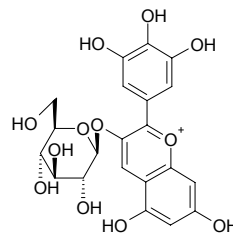
$C_{30}H_{33}O_{20}^+$ (713.59). Source: HE LAN ZHONG ZHI FAN HONG HUA *Crocus antalyensis* cv. Ref: 1897.

**5026 Delphinidin-3-O-β-D-glucopyranoside-7,3',5'-tri-O-(6-O-p-coumaroyl-β-glucopyranoside)**

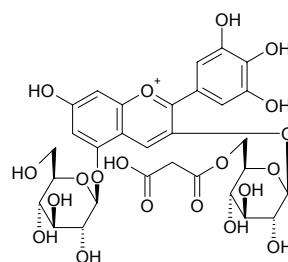
$C_{66}H_{69}O_{33}^+$ (1390.27). Source: TA SI MA NI YA JIE GENG LAN *Dianella tasmanica* (berry), HEI JIE GENG LAN *Dianella nigra* (berry). Ref: 5214.

**5027 Delphinidin-3-glucoside**

[6906-38-3] $C_{21}H_{21}O_{12}^+$ (465.39). Source: BAI FAN DOU *Phaseolus vulgaris*, HEI DA DOU PI *Glycine max*, QIE ZI *Solanum melongena*. Ref: 6.

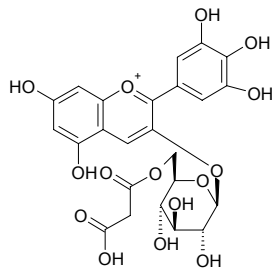
**5028 Delphinidin-3-O-(6-O-malonyl-β-D-glucoside)-5-O-β-D-glucoside**

$C_{30}H_{33}O_{20}^+$ (713.59). Source: JU QU *Cichorium intybus*. Ref: 1955.

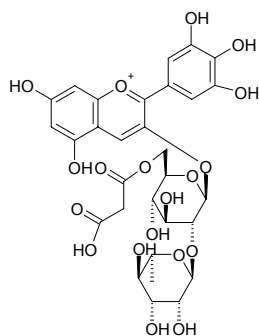


5029 Delphinidin-3-neohesperidoside

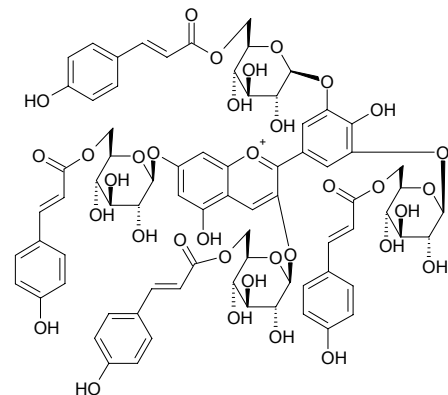
$C_{24}H_{23}O_{15}$ (551.44). Dark red amorphous powder. Source: HU DIE HUA DOU *Clitoria ternatea* (petal). Ref: 3480.

**5030****Delphinidin-3-O-(2''-O- α -rhamnosyl-6''-O-malonyl)- β -glucoside**

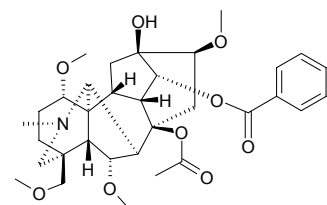
$C_{36}H_{33}O_{19}$ (697.59). Dark red amorphous powder. Source: HU DIE HUA DOU *Clitoria ternatea* (petal). Ref: 3480.

**5031****Delphinidin-3,7,3',5'-tetra-O-(6-O- p -coumaroyl)- β -glucopyranoside**

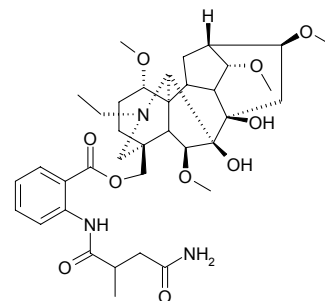
$C_{75}H_{75}O_{35}$ (1536.41). Source: TA SI MA NI YA JIE GENG LAN *Dianella tasmanica* (berry), HEI JIE GENG LAN *Dianella nigra* (berry). Ref: 5214.

**5032 Delphinine**

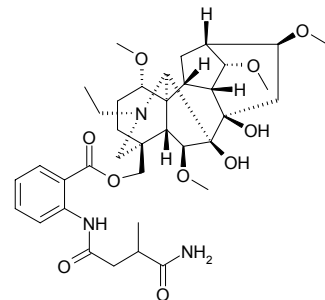
[561-07-9] $C_{33}H_{45}NO_9$ (599.73). Pharm: Inhibits respiration; similar action with aconitine. Source: SI TA WEI CUI QUE HUA *Delphinium staphisagria*. Ref: 658.

**5033 Delsemine A**

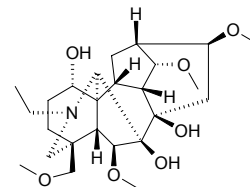
$C_{37}H_{53}N_3O_{10}$ (699.85). $[\alpha]_D^{30} = +368^\circ$ ($c = 0.7$, $CHCl_3$). Source: E MEI CUI QUE HUA *Delphinium omeiense*, FU ZI *Aconitum carmichaeli*. Ref: 16, 2190.

**5034 Delsemine B**

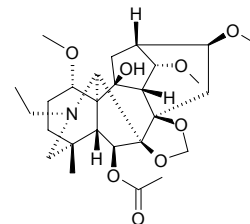
$C_{37}H_{53}N_3O_{10}$ (699.85). $[\alpha]_D^{30} = +28.2^\circ$ ($c = 0.6$, $CHCl_3$). Source: E MEI CUI QUE HUA *Delphinium omeiense*, FU ZI *Aconitum carmichaeli*. Ref: 16, 2190.

**5035 Delsoline**

[509-18-2] $C_{25}H_{41}NO_7$ (467.61). mp 213.0~216.5°C. Pharm: Causes paroxysm convulsion and breath inhibition (mus, administration by non-intestinal tract); insecticidal; antihypertensive (anesthetic cat and dog, 5~15mg/kg); smooth muscle relaxant. Source: E MEI CUI QUE HUA *Delphinium omeiense*, FEI YAN CAO *Consolida ajacis* [Syn. *Delphinium ajacis*], GAN WAN WU TOU *Aconitum finetianum*, QIANG GU FEI YAN CAO *Delphinium consolida*, SHAN DI WU TOU *Aconitum monticola*. Ref: 6, 658, 2190.

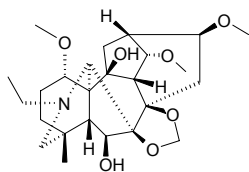
**5036 Deltaline**

[6836-11-9] $C_{27}H_{41}NO_8$ (507.63). Pharm: Antispasmodic; antihypertensive (rat, iv, 20mg/kg). Source: FU ZI *Aconitum carmichaeli*, GAO FEI YAN CAO *Delphinium elatum*, WANG GUO CUI QUE HUA *Delphinium dictyocarpum*, XI FANG CUI QUE HUA *Delphinium occidentale*, YI LI CUI QUE HUA *Delphinium iliense*. Ref: 16, 658.

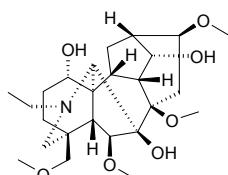


5037 Deltamine

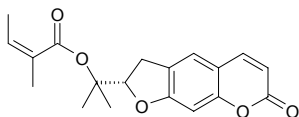
[6836-10-8] C₂₅H₃₉NO₇ (465.59). Source: FU ZI *Aconitum carmichaeli*.
Ref: 16.

**5038 Deltatsine**

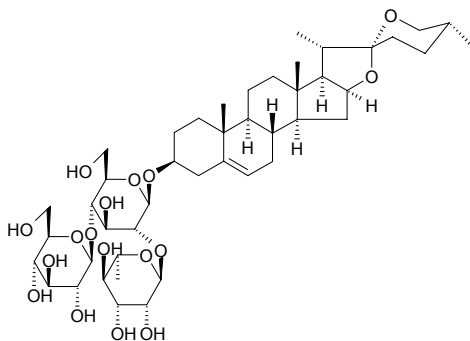
[92631-66-8] C₂₅H₄₁NO₇ (467.61). Amorphous powder, +1H₂O, [α]_D²⁰ = +28.6° (c = 2.4, EtOH). Source: E MEI CUI QUE HUA *Delphinium omeiense*, KANG DING CUI QUE HUA *Delphinium tatsienense*. Ref: 1521, 2190.

**5039 Deltoin**

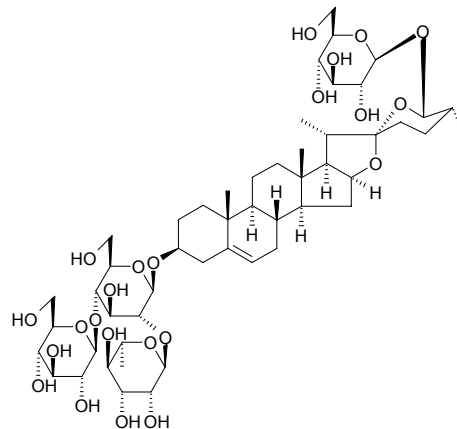
[19662-71-6] C₁₉H₂₀O₅ (328.37). Source: FANG FENG *Saposhnikovia divaricata* [Syn. *Ledebouriella seseloides*], YUN QIAN HU *Peucedanum rubricaulis*. Ref: 2, 177.

**5040 Deltonin**

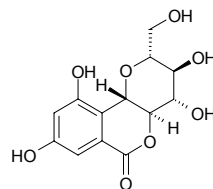
Trilloside A [55659-75-1] C₄₅H₇₂O₁₇ (885.07). mp 290~292°C. Pharm: Raw material for partial synthesis of steroid hormone (its aglucon is used); phosphatase inhibitor (HeLa cell stimulated by TPA and joined by ³²P)^[2165]. Source: SAN JIAO YE SHU YU *Dioscorea deltoidea*, SHAN YAO *Dioscorea batatas* [Syn. *Dioscorea opposita*], XIAO HUA DUN YE SHU YU *Dioscorea parviflora*, YU ER QI *Trillium camtschaticum*, ZA JIAO BAI HE *Lilium speciosum* x *L. nobilissimum*. Ref: 6, 10, 658, 2165.

**5041 Deltoside**

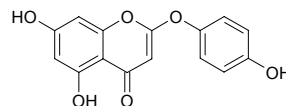
C₅₁H₈₂O₂₃ (1063.21). Pharm: Raw material for partial synthesis of steroid hormone (its diosgenin is used). Source: SAN JIAO YE SHU YU *Dioscorea deltoidea*, XIAO HUA DUN YE SHU YU *Dioscorea parviflora*. Ref: 10.

**5042 Demethoxybergenin**

C₁₃H₁₅O₈ (298.25). Colorless needles, mp 305°C (dec., MeOH), [α]_D²⁰ = -22.7° (c = 0.08, MeOH). Pharm: Cytotoxic inactive (murine breast cancer cell line FM3A, 100μmol/L). Source: YOU SE ZI JIN NIU *Ardisia colorata* (fruit). Ref: 4244.

**5043 6-Demethoxycapillarisin**

C₁₅H₁₀O₆ (286.24). Source: YIN CHEN HAO *Artemisia capillaris*. Ref: 2.

**5044 Demethoxy-cochinchinone D**

C₂₃H₂₄O₆ (396.44). Pharm: Antioxidant inactive (DPPH scavenger, 50μmol/L, ScRt = 5.2%; control BHT, 50μmol/L, ScRt = 51.7%, IC₅₀ = 28.9μmol/L)^[4423]. Source: HUANG NIU MU *Cratoxylum cochinchinense* (root). Ref: 4423.

