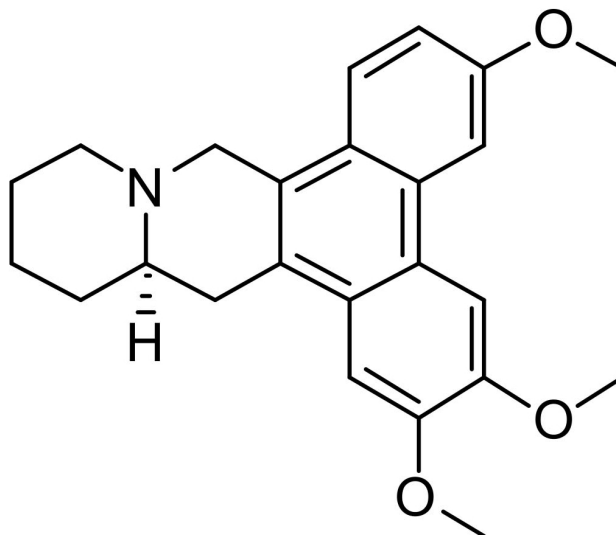


Cryptopleurine

Code No.: BIA-C1958

Pack sizes.: 1mg, 5mg



Synonyms:

(R)-(-)-Cryptopleurine, NSC 19912, Cryptopleurine

Specifications

CAS #	: 482-22-4
Molecular Formula	: C24H27NO3
Molecular Weight	: 377.48
Source	: -
Appearance	: Off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Cryptopleurine is a phenanthroquinolizidine secondary metabolite from *Cryptocarya pleurosperma* was first reported by de la Lande, Melbourne University, Australia in 1948 and its structure revised in 1954. Cryptopleurine has antifungal activity via inhibition of the 40S ribosomal subunit blocking translocation. Cryptopleurine has antiviral and cytotoxic activity, targeting the NF-κB pathway.

References

1. The alkaloids of *Cryptocarya pleurosperma*. De la Lande I.S. Australian Journal of Experimental Biology and Medical Science (1948), 26, 181-7.
2. Cryptopleurine: an alkaloid of *Cryptocarya pleurosperma*. Gellert E. and Riggs N.V. Aust J of Chem

1954, 7, 113.

3. Cryptopleurine - an inhibitor of translocation. Butcher K. and Lawrence L. *Biochem.* 1976, 15, 4755.
4. Structure-activity relationships of cryptopleurine analogs with E-ring modifications as anti-hepatitis C virus agents. Wang Y. et al. *Bioorg Med Chem* 2018, 26, 630.