



LKT Laboratories, Inc.

α -Zearalenol

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID Z161022

CAS No. 26538-44-3

Chemical Name Alpha-Zearalenol

Synonym MK-188; Zeranol; (-)- α -Zearalenol, alpha-Zearalenol; P1496

Formula $C_{18}H_{26}O_5$

Formula Wt. 322.40

Melting Point 180-185°C

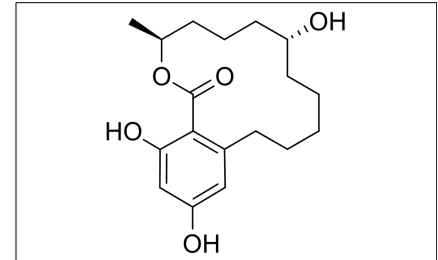
Purity $\geq 98\%$

Solubility

Store Temp -20°C

Ship Temp Ambient

Description α -Zearalenol is a mycotoxin that has structural similarity to estrogen and can bind to estrogen receptors. α -Zearalenol is one of the major metabolites of zearalenone, which is produced by several species of *Fusarium* and is known to induce many toxic effects.



Bulk quantities available upon request

Product ID	Size
Z161022	1 mg
Z161022	5 mg
Z161022	10 mg

References Tatay E, Espin S, Garcia-Fernandez AJ, et al. Estrogenic activity of zearalenone, α -Zearalenol and β -Zearalenol assessed using the E-screen assay in MCF-7 cells. *Toxicol Mech Methods*. 2018 May;28(4):239-242. PMID: 29057713.

Ben Salem I, Boussabbeh M, Pires Da Silva J, et al. SIRT1 protects cardiac cells against apoptosis induced by zearalenone or its metabolites α -Zearalenol and β -Zearalenol through an autophagy-dependent pathway. *Toxicol Appl Pharmacol*. 2017 Jan 1;314:82-90. PMID: 27889531.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.