



LKT Laboratories, Inc.

α -Zearalanol

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Product Information

Product ID Z161022

CAS No. 26538-44-3

Chemical Name Alpha-Zearalanol

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

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

Formula Wt. 322.40

Melting Point 180-185°C

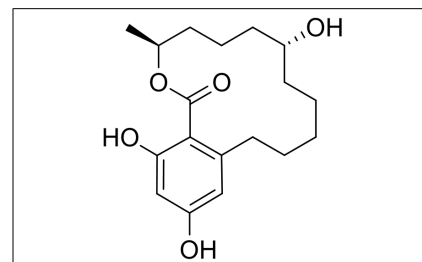
Purity $\geq 98\%$

Solubility

Store Temp -20°C

Ship Temp Ambient

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



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
Z161022	1 mg	\$68.10
Z161022	5 mg	\$184.00
Z161022	10 mg	\$340.70

References Tatay E, Espin S, Garcia-Fernandez AJ, et al. Estrogenic activity of zearalenone, α -Zearalanol and β -Zearalanol 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 -Zearalanol and β -Zearalanol 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.