



LKT Laboratories, Inc.

B-Zearalanol

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Product Information

Product ID Z161023

CAS No. 42422-68-4

Chemical Name 2,4-Dihydroxy-6-(6-[A,10-dihydroxyundecyl]benzoic acid |l-lactone

Synonym beta-Zearalanol, Taleranol, Teranol; Taleranolum; (3S,7S)-3,4,5,6,7,8,9,10,11,12-Decahydro-7,14,16-trihydroxy-3-methyl-1H-2-benzoxacyclotetradecin-1-one; (3S,7S)-7,14,16-trihydroxy-3-methyl-3,4,5,6,7,8,9,10,11,12-decahydro-1H-2-benzoxacyclotetradecin-1-one

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

Formula Wt. 322.40

Melting Point

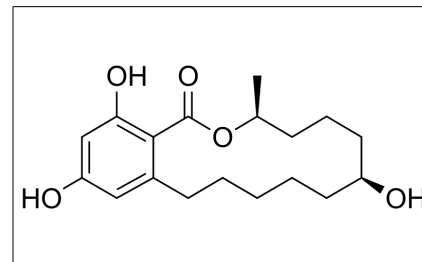
Purity $\geq 98\%$

Solubility

Store Temp -20°C

Ship Temp Ambient

Description B-Zearalanol is a mycotoxin that has structural similarity to estrogen and can bind to estrogen receptors. B-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
Z161023	1 mg	\$61.40
Z161023	5 mg	\$184.00
Z161023	10 mg	\$333.90

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