



LKT Laboratories, Inc.

B-Zearalenol

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Product Information

Product ID Z161025

CAS No. 71030-11-0

Chemical Name

Synonym beta-Zearalenol, beta-trans-Zearalenol, (-)-B-Zearalenol

Formula $C_{18}H_{24}O_5$

Formula Wt. 320.39

Melting Point

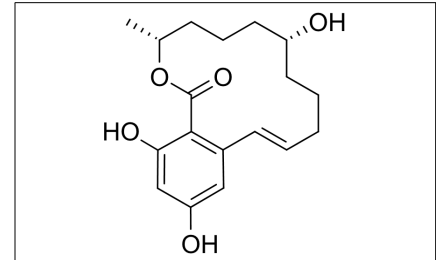
Purity $\geq 98\%$

Solubility

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description B-Zearalenol is a mycotoxin that has structural similarity to estrogen and can bind to estrogen receptors. B-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. In cultured cells, B-Zearalenol was shown to inhibit cell viability, protein and DNA syntheses, and to induce oxidative damage.



Pricing and Availability

Bulk quantities available upon request

| Product ID | Size | List Price |
|------------|-------|------------|
| Z161025 | 1 mg | \$50.00 |
| Z161025 | 5 mg | \$185.00 |
| Z161025 | 10 mg | \$325.00 |

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.

Othmen ZO, Golli EE, Abid-Essefi S, et al. Cytotoxicity effects induced by zearalenone metabolites, alpha zearalenol and beta zearalenol, on cultured Vero cells. *Toxicology*. 2008 Oct 30;252(1-3):72-77. PMID: 18755238.

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