



LKT Laboratories, Inc.

Destruxin A

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Product Information

Product ID D183744

CAS No. 6686-70-0

Chemical Name 3-(butan-2-yl)-5,8,9-trimethyl-6-(propan-2-yl)-16-(prop-2-en-1-yl) dodecahydropyrrolo[1,2-d][1,4,7,10,13,16] oxapentaazacyclononadecine-1,4,7,10,14,17(11h,16h)-hexone;

Synonym SB242533; NSC361126; BRN 0601694

Formula C₂₉H₄₇N₅O₇

Formula Wt. 577.72

Melting Point

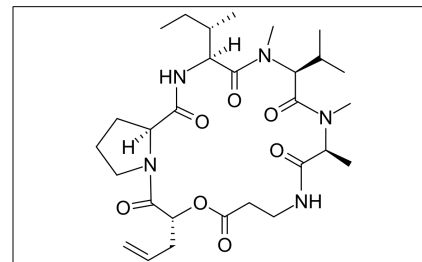
Purity ≥98%

Solubility

Store Temp -20° C

Ship Temp Ambient

Description Destruxin A, a cyclic depsipeptide, is a secondary metabolite isolated from the fungus *Metarhizium anisopliae*. Each of the mycotoxins, destruxin A, B, and E, were individually found to display antitumor effects on leukemic cells in vitro. In addition, each destruxin was found to produce antiproliferative effects in colon cancer cells and to inhibit the migration and tube formation of human endothelial cells.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
D183744	100 µg	\$78.80
D183744	1 mg	\$498.80
D183744	5 mg	\$1890.00

References Yeh CT, Rao YK, Ye M, et al. Preclinical evaluation of destruxin B as a novel Wnt signaling target suppressing proliferation and metastasis of colorectal cancer using non-invasive bioluminescence imaging. *Toxicol Appl Pharmacol.* 2012 May 15;261(1):31-41. PMID: 22465936.

Odier F, Vey A, Bureau JP. In vitro effect of fungal cyclodepsipeptides on leukemic cells: study of destruxins A, B, and E. *Biol Cell.* 1992;74(3):267-271. PMID: 1628110.

Dornetshuber-Fleiss R, Heffeter P, Mohr T, et al. Destruxins: fungal-derived cyclohexadepsipeptides with multifaceted anticancer and antiangiogenic activities. *Biochem Pharmacol.* 2013 Aug 1;86(3):361-377. PMID: 23747344.

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