



LKT Laboratories, Inc.

Ophiobolin B

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Product Information

Product ID O610292

CAS No. 5601-74-1

Chemical Name Ophiobolin B

Synonym Cochliobolin B; 3,14-Dihydroxy-5-oxoophiobola-7,19-dien-25-al; CHEMBL478388; Ophiobola-7,19-dien-25-al, 3,14-dihydroxy-5-oxo-

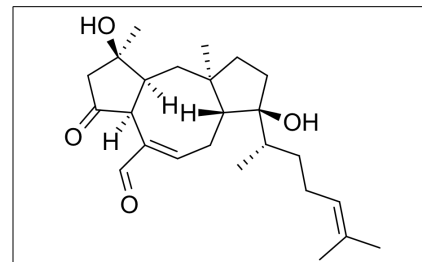
Formula C₂₅H₃₈O₄

Formula Wt. 402.58

Melting Point

Purity ≥98%

Solubility



Bulk quantities available upon request

Product ID	Size
O610292	1 mg
O610292	5 mg

Store Temp -20°C

Ship Temp Ambient

Description Ophiobolin B is a naturally occurring sesquiterpenoid. The ophiobolin family is known to exhibit a broad spectrum of inhibitory activity against several cell lines. Both ophiobolins A and B have also shown antifungal activity against several fungal strains.

References Bladt TT, Durr C, Knudsen PB, et al. Bio-activity and dereplication-based discovery of ophiobolins and other fungal secondary metabolites targeting leukemia cells. *Molecules*. 2013 Nov 26;18(12):14629-14650. PMID: 24287995.

Krizsan K, Bencsik O, Nyilasi I, et al. Effect of the sesquiterpene-type metabolites, ophiobolins A and B, on zygomycetes fungi. *FEMS Microbiol Lett*. 2010 Dec;313(2):135-140. PMID: 21054501.

Li E, Clark AM, Rotella DP, et al. Microbial metabolites of ophiobolin A and antimicrobial evaluation of ophiobolins. *J Nat Prod*. 1995 Jan;58(1):74-81. PMID: 7760080.

Gianani L, Cocucci S, Pardi D, et al. Effects of ophiobolin B on cell enlargement and H(+)/K(+) exchange in maize coleoptile tissues. *Planta*. 1979 Jan;146(3):271-274. PMID: 24318178.

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