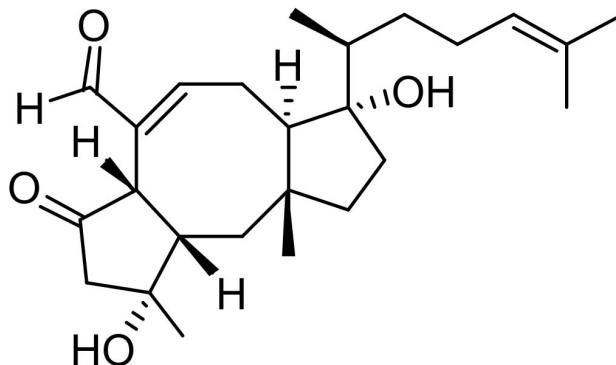


Ophiobolin B

Code No.: BIA-O1064

Pack sizes.: 1mg, 5mg



Synonyms:

Cochliobolin B, Zizanin B, Ophiobolsin A

Specifications

CAS #	: 5601-74-1
Molecular Formula	: C₂₅H₃₈O₄
Molecular Weight	: 402.6
Source	: -
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Ophiobolin B is a minor member of a class of phytotoxic metabolites produced by *Bipolaris* and other genera of plant pathogenic fungi. Ophiobolin B acts by inhibiting calmodulin action in calcium regulation.

References

1. Calmodulin and lipid binding to synaptobrevin regulates calcium-dependent exocytosis. Quetglas S. EMBO J. 2002, 21, 3970.
2. The biology of ophiobolins. Au T.K. et al., Life Sci. 2000, 67, 733. (Review)