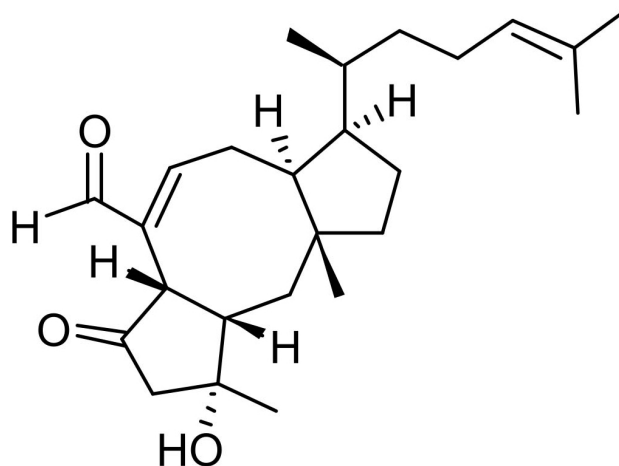


Ophiobolin C

Code No.: BIA-O1199

Pack sizes.: 1mg, 5mg



Synonyms:

Zizanin A

Specifications

CAS #	: 19022-51-6
Molecular Formula	: C25H38O3
Molecular Weight	: 386.6
Source	: -
Appearance	: White solid
Purity	: >98% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Ophiobolin C is a member of the ophiobolin class of phytotoxic metabolites produced by many species of the genus *Bipolaris*. Ophiobolin C inhibits human CCR5 binding to the envelope protein gp120 and CD4 that mediates HIV-1 entry into cells. Blockade of this binding was considered by scientists at Merck as a potential new mode of action for the treatment of HIV-1 infection.

References

1. The structure of zizannin-A and -B, C25-terpenoids isolated from *Helminthosporium zizaniae*. Nozoe S. et al., *Tetrahedron Lett.* 1966, 7, 2211.
2. Isolation and structure of antagonists of chemokine receptor (CCR5). Jayasuriya et al., *H. J. Nat. Prod.* 2004, 67, 1036.
3. The biology of ophiobolins. Au T.K. et al., *Life Sci.* 2000, 67, 733. (Review).