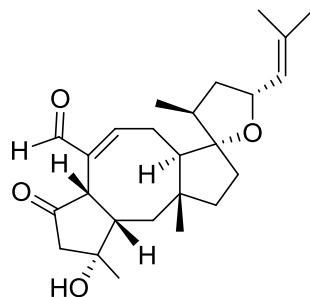


Ophiobolin A

Code No.: **BIA-O1063**

Pack sizes: **1 mg, 5 mg**



Synonyms : Cochliobolin A, Ophiobolin, Ophiobalin

Specifications

CAS #	: 4611-05-6
Molecular Formula	: $C_{25}H_{36}O_4$
Molecular Weight	: 400.6
Source	: <i>Bipolaris leersia</i>
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 A is the dominant member of a class of phytotoxic metabolites produced by plant pathogenic fungi. Ophiobolin A 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)