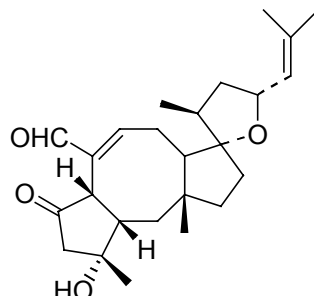


Ophiobolin A

Code: **BIA-O1063**

Pack sizes: **1.0 mg, 5.0 mg**



Synonyms : **Cochliobolin A, Ophiobolin, Ophiobalin**

Specifications

CAS # : **4611-05-6**
Molecular Formula : **C₂₅H₃₆O₄**
Molecular Weight : **400.6**
Source : ***Bipolaris leersia* MST-FP107**
Appearance : **White solid**
Purity : **> 95% by HPLC**
Long Term Storage : **-20°C, protect from light**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

Application Notes

Ophiobolin A is the dominant member of a class of phytotoxic metabolites produced by plant pathogenic fungi. Ophiobolin A acts as an inhibitor of calmodulin action in calcium regulation. In-house testing at Microbial Screening Technologies has shown that ophiobolin A possesses a broad biological profile with antibacterial, antifungal, antitumor and nematocidal activities.

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.