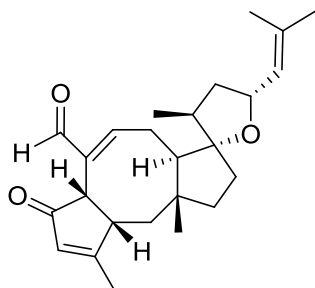


Anhydroophiobolin A

Code No.: **BIA-O1198**

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



Synonyms : 14,17- Epoxy-5-oxo-3,7,18-ophiobolatrien-21-al

Specifications

CAS #	: 6026-65-9
Molecular Formula	: C ₂₅ H ₃₄ O ₃
Molecular Weight	: 382.5
Source	: <i>Bipolaris</i> sp.
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

3-Anhydroophiobolin A is the dehydrated analogue of ophiobolin A and is a major member of the ophiobolin complex of phytotoxic metabolites produced by many species of the genus *Bipolaris*. Like all ophiobolins, 3-anhydroophiobolin A possesses a broad biological profile with antibacterial, antifungal, antitumor, herbicidal and nematocidal activities.

References

1. Isolation of ophiobolin A and its analogs as inhibitors to photosynthesis. Kim J.M., Agric. Biol. Chem. 1984, 48, 803.
2. The biology of ophiobolins. Au T.K. et al., Life Sci. 2000, 67, 733. (Review).