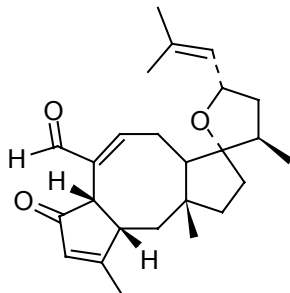


3-Anhydroophiobolin A

Code: **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 : **C₂₅H₃₄O₃**
Molecular Weight : **382.5**
Source : ***Bipolaris* sp. MST-FP245**
Appearance : **White solid**
Purity : **> 95%**
Long Term Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Limited 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).