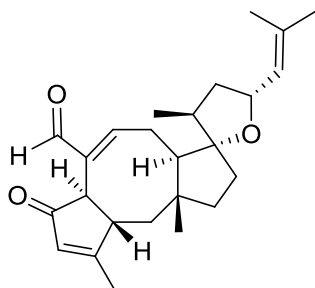


Anhydroepiophiobolin A

Code No.: **BIA-A1536**

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



Synonyms : Anhydro-6-epiophiobolin A, 3-

Specifications

CAS #	: 90411-20-4
Molecular Formula	: C₂₅H₃₄O₃
Molecular Weight	: 382.5
Source	: <i>Bipolaris</i> sp.
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

Anhydroepiophiobolin A is a dehydrated analogue of ophiobolin epimerised at the C6 position. Anhydroepiophiobolin A is the major terminal degradation product of ophiobolin A and is co-produced with other ophiobolins in many *Bipolaris* species. Prior to 1984, references to "anhydrophiobolin" almost certainly refer to anhydroepiophiobolin A as the epimerisation at C6 was not well recognised. Under controlled degradation conditions both anhydroepiophiobolin A and anhydrophiobolin A are observed, but the latter is a minor component readily epimerised to anhydroepiophiobolin A. Like all ophiobolins, anhydroepiophiobolin 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.K. et al., *Agric. Biol. Chem.* 1984, 48, 803.