

Product Name:	Anhydroepiophiobolin A
Product Number:	A123
CAS Number:	90411-20-4
Molecular Formula:	$C_{25}H_{34}O_3$
Molecular Weight:	382.5
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>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 <i>Bipolaris</i> 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.</p> <p>Anhydroepiophiobolin A is soluble in ethanol, methanol, DMF and DMSO.</p>
References:	<p>Isolation of ophiobolin A and its analogs as inhibitors to photosynthesis. Kim J-M.K. et al. Agric. Biol. Chem. 1984, 48, 803.</p>