Ophiobolin A
PRODUCT DATA SHEET

issue date 01/06/2020

Product Name:	Ophiobolin A
Product Number:	O022
CAS Number:	4611-05-6
Molecular Formula:	$C_{25}H_{36}O_4$
Molecular Weight:	400.6
Appearance:	White solid
Storage Conditions:	-20°C
Description:	Ophiobolin A is the dominant member of a class of phytotoxic metabolites produced by plant pathogenic fungi. Ophiobolin A is soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.
Mechanism of Action:	Ophiobolin A acts by inhibiting calmodulin action in calcium regulation.
References:	Calmodulin and lipid binding to synaptobrevin regulates calcium-dependent exocytosis. Quetglas S. EMBO J. 2002, 21, 3970. The biology of ophiobolins. Au T.K. et al. Life Sci. 2000, 67, 733. (Review)