Ophiobolin A

Calmodulin antagonist. PDE inhibitor.

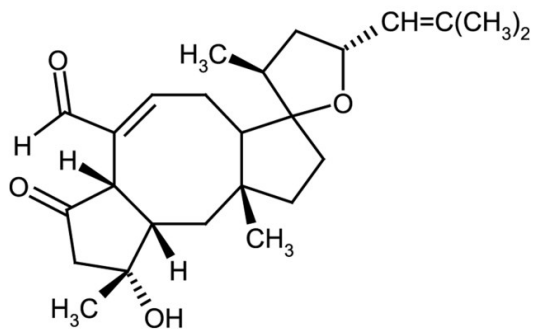
Cell permeable antagonist of calmodulin. Inhibits Ca^{2+}/calmodulin-dependent phosphodiesterase. Inhibits P-glycoprotein-mediated transport. Exhibits antibacterial, antitumor and nematocidal activities. Phytotoxic.

Citations: 12 View Online »

Ordering Information Order Online »

ALX-270-109-M001	1mg

Manuals, SDS & CofA View Online »


CH=C(CH3)2
H3C
O
O
H
H
O
CH3
H
H3C
OH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Cochliobolin A, Ophiobalin
Appearance	White to off-white solid.
CAS	4611-05-6
Couple Target	PDE
Couple Type	Inhibitor
Formula	$C_{25}H_{36}O_4$
MW	400.6
Purity	≥95% (HPLC)
RTECS	RL1576000
Solubility	Soluble in dimethyl formamide, DMSO, 100% ethanol or methanol.
Source	Isolated from *Bipolaris leersia* MST-FP107.

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