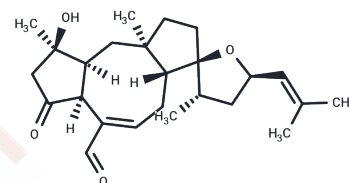


## Ophiobolin A

## Chemical Properties

CAS No. :	4611-05-6
Formula:	C <sub>25</sub> H <sub>36</sub> O <sub>4</sub>
Molecular Weight:	400.559
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Ophiobolin A is a fungal metabolite and a phytotoxin and is an effective and irreversibly inhibitor of calmodulin-activated cyclic nucleotide phosphodiesterase (IC <sub>50</sub> : 9 μM). Ophiobolin A also has antimicrobial and anticancer activity.
Targets(IC <sub>50</sub> )	Others,PDE

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4965 mL	12.4825 mL	24.965 mL
5 mM	0.4993 mL	2.4965 mL	4.993 mL
10 mM	0.2497 mL	1.2483 mL	2.4965 mL
50 mM	0.0499 mL	0.2497 mL	0.4993 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Leung PC, et al. Ophiobolin A. A natural product inhibitor of calmodulin. J Biol Chem. 1984 Mar 10;259(5):2742-7

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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