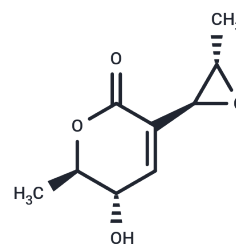


## Aspyrone

## Chemical Properties

CAS No. :	17398-00-4
Formula:	C <sub>9</sub> H <sub>12</sub> O <sub>4</sub>
Molecular Weight:	184.19
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	Aspyrone is a polyketide fungal metabolite found in [Aspergillus] with diverse biological activities. It is active against 13 fungi at 20 µg/ml and 21 bacteria at 100 µg per disc. Aspyrone (10-1,000 mg/L) is nematocidal against [P. penetrans].
Targets(IC50)	Others,Parasite,Antifungal

## Solubility Information

Solubility	Methanol: Soluble DMSO: Soluble Acetone: Soluble ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4292 mL	27.1459 mL	54.2918 mL
5 mM	1.0858 mL	5.4292 mL	10.8584 mL
10 mM	0.5429 mL	2.7146 mL	5.4292 mL
50 mM	0.1086 mL	0.5429 mL	1.0858 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

- Torres, M., Balcells, M., Sala, N., et al. Bactericidal and fungicidal activity of Aspergillus ochraceus metabolites and some derivatives Pestic. Sci. 53(1)9-14(1999)
- Kimura, Y., Nakahara, S., and Fujioka, S. Aspyrone, a nematocidal compound isolated from the fungus, Aspergillus melleus Biosci. Biotech. Biochem. 60(8)1375-1376(1996)

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