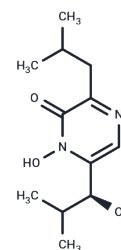


Neohydroxyaspergillic Acid

Chemical Properties

CAS No. :	72598-34-6
Formula:	C ₁₂ H ₂₀ N ₂ O ₃
Molecular Weight:	240.3
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Neohydroxyaspergillic acid is a fungal metabolite produced by <i>A. sclerotiorum</i> that has antibiotic and antifungal activities. It inhibits the growth of <i>P. aeruginosa</i> , <i>M. smegmatis</i> , <i>S. aureus</i> , <i>E. coli</i> , <i>K. pneumoniae</i> , <i>B. mycoides</i> , and <i>B. subtilis</i> bacteria (MICs = 125-500 µg/ml). Neohydroxyaspergillic acid also inhibits the growth of <i>G. convolute</i> , <i>S. consortiale</i> , <i>P. blakesleeanus</i> , <i>C. globosum</i> , and <i>T. mentagrophytes</i> (MICs = 175-700 µg/ml) but not <i>A. niger</i> , <i>P. notatum</i> , <i>M. verrucaria</i> , or <i>S. cerevisiae</i> fungi.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

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

	1mg	5mg	10mg
1 mM	4.1615 mL	20.8073 mL	41.6146 mL
5 mM	0.8323 mL	4.1615 mL	8.3229 mL
10 mM	0.4161 mL	2.0807 mL	4.1615 mL
50 mM	0.0832 mL	0.4161 mL	0.8323 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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