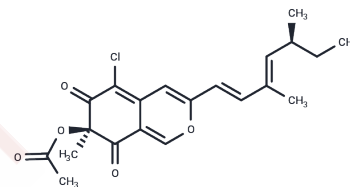


Sclerotiorin

Chemical Properties

CAS No. :	549-23-5
Formula:	C ₂₁ H ₂₃ ClO ₅
Molecular Weight:	390.86
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	Sclerotiorin is a natural product isolated primarily from Penicillium species. It inhibits soybean lipoxygenase-1 with an IC ₅₀ value of 4.2 μM. Sclerotiorin also exhibits a number of other activities including inhibition of cholesterol ester transfer protein (IC ₅₀ = 19.4 μM), inhibition of Grb2-Shc interaction (IC ₅₀ = 22 μM), and antagonism of endothelin receptors (IC ₅₀ = 114 and 152 μM for human ETA and ETB, respectively).
Targets(IC ₅₀)	Others,Antifungal,Lipoxygenase

Solubility Information

Solubility	DMSO: 20 mg/mL (51.17 mM),Sonication is recommended. Ethanol: 3 mg/mL (7.68 mM),Sonication is recommended. DMF:PBS(pH7.2) (1:2): 0.3 mg/mL (0.77 mM),Sonication is recommended. DMF: 30 mg/mL (76.75 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5585 mL	12.7923 mL	25.5846 mL
5 mM	0.5117 mL	2.5585 mL	5.1169 mL
10 mM	0.2558 mL	1.2792 mL	2.5585 mL
50 mM	0.0512 mL	0.2558 mL	0.5117 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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