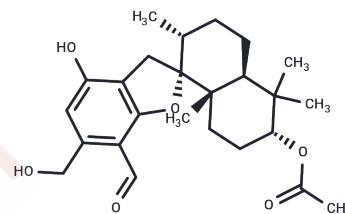


Stachybotrysin B

Chemical Properties

CAS No. :	2098376-42-0
Formula:	C ₂₅ H ₃₄ O ₆
Molecular Weight:	430.53
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	Stachybotrysin B is a fungal metabolite originally isolated from <i>S. chartarum</i> and has antiviral and anticancer activities. ^{1,2} It has antiviral activity against HIV in SupT1 cells (IC ₅₀ = 19.2 μM). ¹ Stachybotrysin B is cytotoxic to K562, HeLa, and HL-60 cells (IC ₅₀ s = 21.72, 39.63, and 18.5 μM, respectively). ²
Targets(IC ₅₀)	Others

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.3227 mL	11.6136 mL	23.2272 mL
5 mM	0.4645 mL	2.3227 mL	4.6454 mL
10 mM	0.2323 mL	1.1614 mL	2.3227 mL
50 mM	0.0465 mL	0.2323 mL	0.4645 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

- Zhao, J., Feng, J., Tan, Z., et al. Stachybotrysin A-G, phenylspirodrimane derivatives from the fungus *Stachybotrys chartarum*. *J. Nat. Prod.* 80(6), 1819-1826 (2017).
- Ma, X.-h., Zheng, W.-m., Sun, K.-h., et al. Two new phenylspirodrimanes from the deep-sea derived fungus *Stachybotrys* sp. MCCC 3A00409. *Nat. Prod. Res.* 33(3), 386-392 (2018).

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