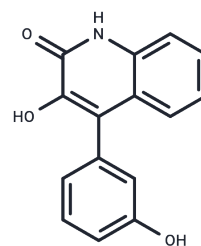


Viridicatol

Chemical Properties

CAS No. :	14484-44-7
Formula:	C ₁₅ H ₁₁ NO ₃
Molecular Weight:	253.25
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	Viridicatol, with potent antibacterial activity against Staphylococcus aureus (MIC: 15.6 µg/mL), is isolated from the fermentation of an endophytic fungus Penicillium sp. R22 in Nerium indicum.
Targets(IC50)	Anti-infection, Antifungal

Solubility Information

Solubility	DMSO: 125 mg/mL (493.58 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.9 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9487 mL	19.7433 mL	39.4867 mL
5 mM	0.7897 mL	3.9487 mL	7.8973 mL
10 mM	0.3949 mL	1.9743 mL	3.9487 mL
50 mM	0.079 mL	0.3949 mL	0.7897 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

Ma YM, et al. A new isoquinolone alkaloid from an endophytic fungus R22 of Nerium indicum. Nat Prod Res. 2017 Apr;31(8):951-958.

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