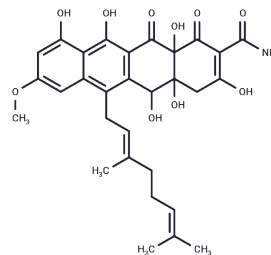


Previridicatumtoxin

Chemical Properties

CAS No. :	1379585-81-5
Formula:	C ₃₀ H ₃₃ N ₁ O ₁₀
Molecular Weight:	567.58
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	Previridicatumtoxin is a fungal metabolite that has been found in <i>P. aethiopicum</i> and has diverse biological activities. ^{1,2} It is an intermediate in the biosynthesis of the mycotoxin viridicatumtoxin. Previridicatumtoxin is active against methicillin-resistant <i>S. aureus</i> (MRSA) and vancomycin-resistant <i>E. faecalis</i> (IC ₅₀ s = 4.4 and 4.8 μM, respectively), as well as <i>C. albicans</i> and <i>S. cerevisiae</i> (MIC = 32 μg/ml for both). ^{2,1} It is cytotoxic to NCI H460, KB-3-1, and SW620 cancer cells (IC ₅₀ s = 5.3, 4.1, and 6 μM, respectively). ²
Targets(IC50)	Others, Endogenous Metabolite, Antibacterial

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.7619 mL	8.8093 mL	17.6187 mL
5 mM	0.3524 mL	1.7619 mL	3.5237 mL
10 mM	0.1762 mL	0.8809 mL	1.7619 mL
50 mM	0.0352 mL	0.1762 mL	0.3524 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

Choi, Y.H., Wang, P., Fang, J., et al. Discovery and characterization of a group of fungal polycyclic polyketide prenyltransferases. *J. Am. Chem. Soc.* 134(22)9428-9437(2012)

Shang, Z., Salim, A.A., Khalil, Z., et al. Viridicatumtoxins: Expanding on a rare tetracycline antibiotic scaffold. *J. Org. Chem.* 80(24)12501-12508(2015)

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