

Burnettramic Acid A aglycone

Chemical Properties

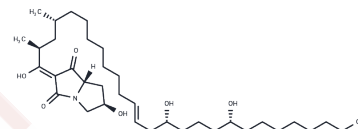
CAS No. : 2396676-46-1

Formula: C₃₅H₆₁N₇O₇

Molecular Weight: 607.873

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	Burnettramic acid A aglycone is a fungal metabolite and an aglycone form of burnettramic acid A, originally isolated from [<i>A. burnettii</i>], that exhibits anticancer activity. It is cytotoxic to NS-1 murine myeloma cells (IC ₅₀ = 8.4 µg/ml) but not to neonatal foreskin fibroblasts (IC ₅₀ > 100 µg/ml).
Targets(IC ₅₀)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 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	1.6451 mL	8.2254 mL	16.4509 mL
5 mM	0.329 mL	1.6451 mL	3.2902 mL
10 mM	0.1645 mL	0.8225 mL	1.6451 mL
50 mM	0.0329 mL	0.1645 mL	0.329 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

Li, H., Gilchrist, C.L.M., Lacey, H.J., et al. Discovery and heterologous biosynthesis of the burnettramic acids: Rare PKS-NRPS-derived bolaamphiphilic pyrrolizidinediones from an Australian fungus, *Aspergillus burnettii* Org. Lett. 21(5)1287-1291(2019)

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