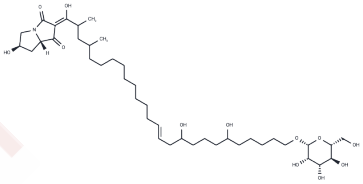
Data Sheet (Cat.No.T36336)

TargetMol

Burnettramic Acid A

Chemical Properties



CAS No. : 2334483-46-2

Formula: C41H71NO12

Molecular Weight: 770.00

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 is a fungal metabolite originally isolated fromA. burnettiithat has diverse biological activities.1It is active againstB. subtilis,S. aureus,C. albicans, andS. cerevisiae(IC50s = 2.3, 5.9, 0.5, and 0.2 μg/ml, respectively). Burnettramic acid A is cytotoxic to NS-1 murine myeloma cells but not neonatal foreskin fibroblasts (IC50s = 13.8 and >100 μg/ml, respectively).
Targets(IC50)	Others,Antibacterial,Antibiotic,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2987 mL	6.4935 mL	12.987 mL
5 mM	0.2597 mL	1.2987 mL	2.5974 mL
10 mM	0.1299 mL	0.6494 mL	1.2987 mL
50 mM	0.026 mL	0.1299 mL	0.2597 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 burnettiiOrg. Lett. 21(5)1287-1291(2019)

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