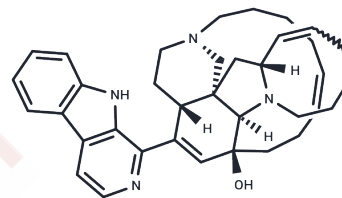


Manzamine A

Chemical Properties

CAS No. :	104196-68-1
Formula:	C ₃₆ H ₄₄ N ₄ O
Molecular Weight:	548.775
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	Manzamine A is a GSK-3 inhibitor and vacuolar ATPase uncoupler found in marine sponges. It inhibits autophagy and tumor growth in cancer models, suppresses foam cell formation in macrophages, prevents growth of gram negative and gram positive bacteria, and decreases tau hyperphosphorylation.
Targets(IC50)	Others,Proton pump,CDK,Parasite,Autophagy,HSV,GSK-3

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8222 mL	9.1111 mL	18.2222 mL
5 mM	0.3644 mL	1.8222 mL	3.6444 mL
10 mM	0.1822 mL	0.9111 mL	1.8222 mL
50 mM	0.0364 mL	0.1822 mL	0.3644 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

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