

Cyclotheonellazole A

Chemical Properties

CAS No. :	2094993-48-1
Formula:	C44H54N9NaO14S2
Molecular Weight:	1020.07
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Cyclotheonellazole A, a macrocyclic peptide naturally occurring, serves as a potent inhibitor of elastase (IC50 = 0.034 nM) and chymotrypsin with an IC50 of 0.62 nM [1] [2].
Targets(IC50)	Others,Proteasome,Serine Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9803 mL	4.9016 mL	9.8032 mL
5 mM	0.1961 mL	0.9803 mL	1.9606 mL
10 mM	0.098 mL	0.4902 mL	0.9803 mL
50 mM	0.0196 mL	0.098 mL	0.1961 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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