

Oscillamide C

Chemical Properties

CAS No. :	365400-08-4
Formula:	C49H68N10O10
Molecular Weight:	957.14
Storage:	Keep away from moisture 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	Oscillamide C (Compound 2) is a cyclic peptide with a urea group, acting as an inhibitor of protein phosphatase 1 (PP1) and protein phosphatase 2A (PP2A), exhibiting IC50 values of 0.90 μ M and 1.33 μ M, respectively. It can be isolated from the cyanobacteria <i>Planktothrix agardhii</i> and <i>P. rubescens</i> and is applicable in cancer research.
Targets(IC50)	Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0448 mL	5.2239 mL	10.4478 mL
5 mM	0.209 mL	1.0448 mL	2.0896 mL
10 mM	0.1045 mL	0.5224 mL	1.0448 mL
50 mM	0.0209 mL	0.1045 mL	0.209 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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