

Oscillamide Y

Chemical Properties

CAS No. :	168482-80-2
Formula:	C45H59N7O10
Molecular Weight:	858.01
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 Y (Compound 1) is a urea-containing cyclic peptide that acts as a chymotrypsin inhibitor. This compound can be isolated from the freshwater toxic cyanobacterium <i>Oscillatoria agardhii</i> . It exhibits strong toxicity towards fish, large water fleas, and algae and stimulates <i>Raphidocelis subcapitata</i> with an EC50 of 4.62 mg/L. Additionally, Oscillamide Y highly inhibits the luminescence of <i>Aliivibrio fischeri</i> and is useful in ecological development research.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1655 mL	5.8274 mL	11.6549 mL
5 mM	0.2331 mL	1.1655 mL	2.331 mL
10 mM	0.1165 mL	0.5827 mL	1.1655 mL
50 mM	0.0233 mL	0.1165 mL	0.2331 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.

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