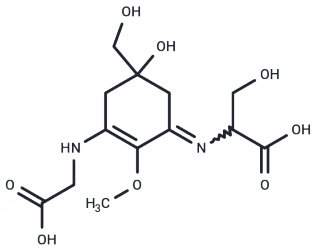
Data Sheet (Cat.No.T68790)

TargetMol

Shinorine

Chemical Properties



CAS No. : 73112-73-9

Formula: C13H20N2O8

Molecular Weight: 332.31

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	Shinorine, a mycosporine-like amino acid (MAA), is a small molecule sunscreen produced in some bacteria. Shinorine ameliorates chromium induced toxicity in zebrafish hepatocytes through the facultative activation of Nrf2-Keap1-ARE pathway. Shinorine is also an analogue of porphyra-344. Both porphyra-334 and shinorine are antioxidants and direct antagonists of Keap1-Nrf2 binding. Shinorine may be a useful agent to prevent or retard the progression of multiple degenerative disorders of ageing. Shinorine is a demethyl-analog of Porphyra 334.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0092 mL	15.0462 mL	30.0924 mL
5 mM	0.6018 mL	3.0092 mL	6.0185 mL
10 mM	0.3009 mL	1.5046 mL	3.0092 mL
50 mM	0.0602 mL	0.3009 mL	0.6018 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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