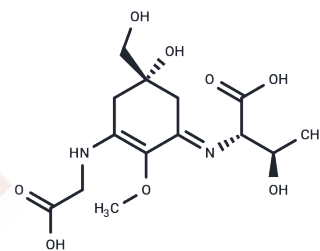


## Porphyra 334

## Chemical Properties

CAS No. :	70579-26-9
Formula:	C <sub>14</sub> H <sub>22</sub> N <sub>2</sub> O <sub>8</sub>
Molecular Weight:	346.34
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	Porphyra 334 is a mycobacterial acid amino acid (MAA) discovered in <i>P. yezoensis</i> , exhibiting antioxidant and anti-photoaging effects. It inhibits ROS production and MMP expression following UVA irradiation, suppresses AAPH-induced oxidation, and prevents lipid peroxidation induced by singlet oxygen.
Targets(IC50)	MMP,Antioxidant,Amino Acids and Derivatives,ROS

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8873 mL	14.4367 mL	28.8734 mL
5 mM	0.5775 mL	2.8873 mL	5.7747 mL
10 mM	0.2887 mL	1.4437 mL	2.8873 mL
50 mM	0.0577 mL	0.2887 mL	0.5775 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

Ryu J, et al. Protective effect of porphyra-334 on UVA-induced photoaging in human skin fibroblasts. *Int J Mol Med.* 2014;34(3):796-803.

Tao C, et al. Antioxidative activities of a mycosporine-like amino acid, porphyra-334. *Fisheries Science*, 2008, 74: 1166-1172.

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