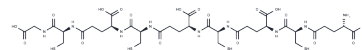


Phytochelatin 4

Chemical Properties

CAS No. :	99465-98-2
Formula:	C ₃₄ H ₅₃ N ₉ O ₁₈ S ₄
Molecular Weight:	1004.09
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	Phytochelatin 4 (PC 4) a glutathione derived peptide and heavy metal detoxifier/chelator consisting of 4 units of glu - cys and generated by PC synthase, is tolerant to Cd (cadmium) and is sequestered in vesicles after complexation with heavy metals.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (79.67 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9959 mL	4.9796 mL	9.9593 mL
5 mM	0.1992 mL	0.9959 mL	1.9919 mL
10 mM	0.0996 mL	0.498 mL	0.9959 mL
50 mM	0.0199 mL	0.0996 mL	0.1992 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

Shahri E, et, al. Metal Contamination of Oman Sea Seaweed and Its Associated Public Health Risks. Biol Trace Elem Res. 2021 Aug 20.

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