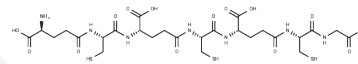


Phytochelatin 3

Chemical Properties

CAS No. :	86220-45-3
Formula:	C ₂₆ H ₄₁ N ₇ O ₁₄ S ₃
Molecular Weight:	771.84
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 3 (PC3) is a glutathione-derived peptide and heavy metal detoxifier/chelator consisting of 3 units of glu-cys.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (103.65 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	1.2956 mL	6.478 mL	12.9561 mL
5 mM	0.2591 mL	1.2956 mL	2.5912 mL
10 mM	0.1296 mL	0.6478 mL	1.2956 mL
50 mM	0.0259 mL	0.1296 mL	0.2591 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

Seregin IV, Kozhevnikova AD. Phytochelatins: Sulfur-Containing Metal(loid)-Chelating Ligands in Plants. Int J Mol Sci. 2023 Jan 26;24(3):2430.

Cobbett CS. Phytochelatin biosynthesis and function in heavy-metal detoxification. Curr Opin Plant Biol. 2000 Jun;3(3):211-6.

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