

Homo-phytochelatin

Chemical Properties

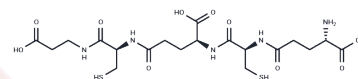
CAS No. : 118026-35-0

Formula: C₁₉H₃₁N₅O₁₀S₂

Molecular Weight: 553.61

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	Homo-phytochelatin, a heavy metal chelator, is present in legumes [1].
In vitro	CSP-1 (10 μM, 30 min) generates cAMP, which stimulates intracellular calcitonin receptors and disrupts the actin ring in osteoclasts, leading to the inactivation of multinucleated osteoclasts and consequently inhibiting the formation of osteoclasts [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8063 mL	9.0316 mL	18.0633 mL
5 mM	0.3613 mL	1.8063 mL	3.6127 mL
10 mM	0.1806 mL	0.9032 mL	1.8063 mL
50 mM	0.0361 mL	0.1806 mL	0.3613 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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