

Celosin I

Chemical Properties

CAS No. : 1807732-38-2

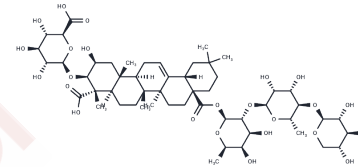
Formula: C53H82O24

Molecular Weight: 1103.2

Keep away from direct sunlight

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	Celosin H, Celosin I, and Celosin J are natural products that serve as potential chemical markers for the quality control of <i>C. argentea</i> seeds. Celosin I has been experimentally shown to exert hepatoprotective effects against liver injury induced by carbon tetrachloride and N,N-dimethylformamide in mice. These compounds are valuable in pharmacognosy and toxicology research, providing both quality control standards and insight into hepatoprotective phytochemicals.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (72.52 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (2.99 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9065 mL	4.5323 mL	9.0645 mL
5 mM	0.1813 mL	0.9065 mL	1.8129 mL
10 mM	0.0906 mL	0.4532 mL	0.9065 mL
50 mM	0.0181 mL	0.0906 mL	0.1813 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

Wu QB, et al. Novel triterpenoid saponins from the seeds of *Celosia argentea* L. *Nat Prod Res.* 2013 Aug;27(15): 1353-60.

Pang X, et al. New oleanane-type triterpenoid saponins isolated from the seeds of *Celosia argentea*. *J Asian Nat Prod Res.* 2014;16(3):240-7.

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