

Celosin K

Chemical Properties

CAS No. : 1950579-53-9

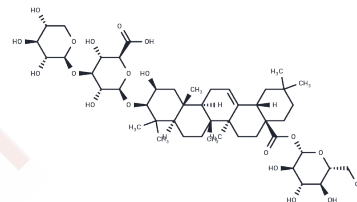
Formula: C47H74O19

Molecular Weight: 943.08

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 K, a natural product isolated from Semen Celosiae, inhibits t-BHP-induced neuronal damage by suppressing oxidative stress and apoptosis while activating autophagy.
Targets(IC50)	Apoptosis, Autophagy, ROS

Solubility Information

Solubility	H2O: 7.5 mg/mL (7.95 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	1.0604 mL	5.3018 mL	10.6036 mL
5 mM	0.2121 mL	1.0604 mL	2.1207 mL
10 mM	0.106 mL	0.5302 mL	1.0604 mL
50 mM	0.0212 mL	0.106 mL	0.2121 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

Jinggong Guo, et al. Chemical compounds with a neuroprotective effect from the seeds of *Celosia argentea* L. Food Funct. 2021, 12, 83-96.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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