

Bacoside A

Chemical Properties

CAS No. : 11028-00-5

Formula: C41H68O13

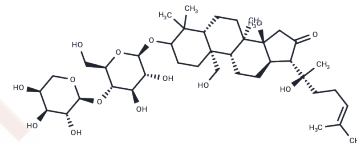
Molecular Weight: 768.98

Storage:

Store at low temperature, Keep away from direct sunlight

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	Bacoside A has a possible anticancer activity that could be inducing cell cycle arrest and apoptosis through Notch pathway in GBM in vitro. It exerts cytoprotective efficacy by attenuation of ROS generated through oxidative stress by an increase in the concentration of antioxidant enzymes and sustain membrane integrity which leads to restoring the damage caused by tBHP. Bacoside A can able to inhibit the progression of Experimental Autoimmune Encephalomyelitis (EAE) may be by the inhibition of inflammatory cytokines and chemokine evolved during active EAE. Bacoside A also has vasorelaxation.
Targets(IC50)	MMP,NOS,Dopamine Receptor,ROS,TNF

Solubility Information

Solubility	Methanol: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3004 mL	6.5021 mL	13.0042 mL
5 mM	0.2601 mL	1.3004 mL	2.6008 mL
10 mM	0.130 mL	0.6502 mL	1.3004 mL
50 mM	0.026 mL	0.130 mL	0.2601 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

Thomas RB, et al. Cell Mol Neurobiol. 2013 Nov;33(8):1065-74.

Sebastian Aguiar and Thomas Borowski. Rejuvenation Research. 2013, 16(4): 313-326.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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