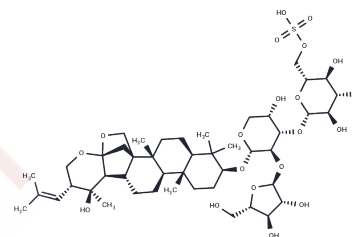


Bacopaside I

Chemical Properties

CAS No. : 382148-47-2
 Formula: C₄₆H₇₄O₂₀S
 Molecular Weight: 979.13
 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	Bacopaside I is a saponin isolated from Bacopa monniera. Bacopaside I is a modulator of Aquaporin-1 channel, has neuroprotective functions, it has anti-Alzheimer's disease, it ameliorates cognitive impairment in APP/PS1 mice via immune-mediated clearance of α 2-amyloid, exhibits antioxidant properties and free radical scavenging capacity and exerts antidepressant-like effect.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 22.5 mg/mL (22.98 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: 2 mg/mL (2.04 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	1.0213 mL	5.1066 mL	10.2131 mL
5 mM	0.2043 mL	1.0213 mL	2.0426 mL
10 mM	0.1021 mL	0.5107 mL	1.0213 mL
50 mM	0.0204 mL	0.1021 mL	0.2043 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

Vini C Sekhar, Gayathri Viswanathan, Sabulal Baby 1. Insights Into the Molecular Aspects of Neuroprotective Bacoside A and Bacopaside I. Curr Neuropharmacol. 2019;17(5):438-446.

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