

Catharanthine sulfate

Chemical Properties

CAS No. :	153230-94-5
Formula:	C ₂₁ H ₂₄ N ₂ O ₂ .H ₂ O ₄ S
Molecular Weight:	434.51
Storage:	Store at low temperature,Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Catharanthine inhibits nicotinic receptor-mediated diaphragm contractions.
Targets(IC50)	Calcium Channel,AChR

Solubility Information

Solubility	DMSO: 30.00 mg/mL (69.04 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	2.3014 mL	11.5072 mL	23.0144 mL
5 mM	0.4603 mL	2.3014 mL	4.6029 mL
10 mM	0.2301 mL	1.1507 mL	2.3014 mL
50 mM	0.046 mL	0.2301 mL	0.4603 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

Pereira DM, et al. Phytomedicine, 2010, 17(8-9), 646-652.

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