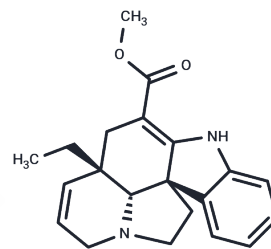


Tabersonine

Chemical Properties

CAS No. :	4429-63-4
Formula:	C ₂₁ H ₂₄ N ₂ O ₂
Molecular Weight:	336.43
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	Tabersonine (Tabersonin) is a terpenoid indole alkaloid found in the medicinal plant <i>Catharanthus roseus</i> .
Targets(IC50)	Apoptosis, Beta Amyloid, Others, NF-κB, Akt, Caspase, NOD-like Receptor (NLR), CDK, Cytochromes P450, Interleukin, p38 MAPK, PI3K

Solubility Information

Solubility	DMSO: 250 mg/mL (743.1 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: 10 mg/mL (29.72 mM), Solution. 10% DMSO+90% Saline: < 10 mg/mL (29.72 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 5% DMSO+30% PEG300+5% Tween 80+60% Saline: 3 mg/mL (8.92 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	2.9724 mL	14.8619 mL	29.7239 mL
5 mM	0.5945 mL	2.9724 mL	5.9448 mL
10 mM	0.2972 mL	1.4862 mL	2.9724 mL
50 mM	0.0594 mL	0.2972 mL	0.5945 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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