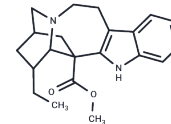
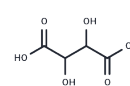


Catharanthine tartrate

Chemical Properties

CAS No. :	4168-17-6
Formula:	C ₂₅ H ₃₀ N ₂ O ₈
Molecular Weight:	486.51
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	Catharanthine tartrate (Catharanthine hemitartrate) is an alkaloid from periwinkle that inhibits voltage-gated L-type calcium channels and has antitumor and hypotensive activities.
Targets(IC50)	Calcium Channel

Solubility Information

Solubility	DMSO: 50 mg/mL (102.77 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 (4.11 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	2.0555 mL	10.2773 mL	20.5546 mL
5 mM	0.4111 mL	2.0555 mL	4.1109 mL
10 mM	0.2055 mL	1.0277 mL	2.0555 mL
50 mM	0.0411 mL	0.2055 mL	0.4111 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

Lin C, et al. Biomed Chromatogr. 2015 Jan;29(1):97-102.

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