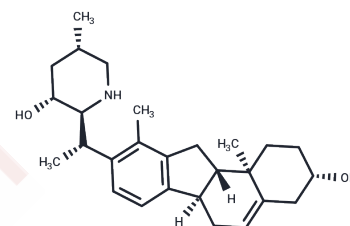


Veratramine

Chemical Properties

CAS No. :	60-70-8
Formula:	C ₂₇ H ₃₉ N ₂ O ₂
Molecular Weight:	409.60
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	Veratramine (NSC-23880)(NSC-17821; NSC-23880) is a potent signal transduction inhibitor for treating tumors.
Targets(IC50)	Apoptosis,Akt,Autophagy,mTOR,PI3K,Sodium Channel

Solubility Information

Solubility	DMSO: 20.20 mg/mL (49.32 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: 2.00 mg/mL (4.88 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	2.4414 mL	12.207 mL	24.4141 mL
5 mM	0.4883 mL	2.4414 mL	4.8828 mL
10 mM	0.2441 mL	1.2207 mL	2.4414 mL
50 mM	0.0488 mL	0.2441 mL	0.4883 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

Wang L, et al. Pharmazie. 2008 Aug;63(8):606-10.;2. Li HJ, et al. Chem Pharm Bull (Tokyo). 2006 May;54(5):722-4.;
Li HJ, et al. Chem Pharm Bull (Tokyo). 2006 May;54(5):722-4.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481