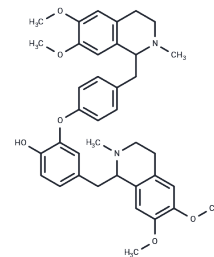


Dauricine

Chemical Properties

CAS No. :	524-17-4
Formula:	C ₃₈ H ₄₄ N ₂ O ₆
Molecular Weight:	624.77
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	1. Dauricine has pulmonary toxicity, can produce pulmonary injury in CD-1 mice by the metabolism of Dauricine mediated by CYP3A. 2. Dauricine can pass the blood-brain barrier, and that P-glycoprotein has an important role in the transportation of Dauricine across the blood-brain barrier. 3. Dauricine may has anti-tumor effect, can inhibit tumor cells in urinary system and colon cancer cell proliferation, invasion; induce cell apoptosis by suppressing NF-kappaB activity and the expression profile of its downstream genes.
Targets(IC50)	Apoptosis,OXPPOS,NF-κB

Solubility Information

Solubility	DMSO: 250 mg/mL (400.15 mM),Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (5.28 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	1.6006 mL	8.0029 mL	16.0059 mL
5 mM	0.3201 mL	1.6006 mL	3.2012 mL
10 mM	0.1601 mL	0.8003 mL	1.6006 mL
50 mM	0.032 mL	0.1601 mL	0.3201 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 J , Li Y , Zu X B , et al. Dauricine can inhibit the activity of proliferation of urinary tract tumor cells[J]. Asian Pacific Journal of Tropical Medicine, 2012, 5(12):973-976.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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