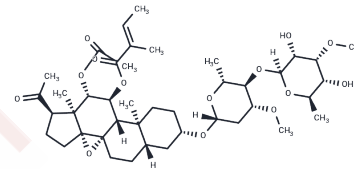


Tenacissoside G

Chemical Properties

CAS No. :	191729-43-8
Formula:	C42H64O14
Molecular Weight:	792.95
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	Tenacissoside G is a C21 steroid from the stem of <i>Marsdenia tenacissima</i> . It reverses multidrug resistance in multidrug-resistant cancer cells overexpressing P-glycoprotein.
Targets(IC50)	P-gp

Solubility Information

Solubility	DMSO: 25 mg/mL (31.53 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 2.5 mg/mL (3.15 mM), Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (2.52 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	1.2611 mL	6.3056 mL	12.6111 mL
5 mM	0.2522 mL	1.2611 mL	2.5222 mL
10 mM	0.1261 mL	0.6306 mL	1.2611 mL
50 mM	0.0252 mL	0.1261 mL	0.2522 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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