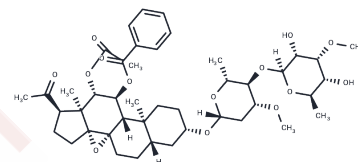


## Tenacissoside I

## Chemical Properties

CAS No. :	191729-44-9
Formula:	C44H62O14
Molecular Weight:	814.95
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 I (Tenacissimoside B), Tenacissosides B, C and marsdenoside K inhibit the proliferation of Raji, NB4 and K562 cells in vitro significantly, in a dose and time dependent manner.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 11 mg/mL (13.5 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 (2.45 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	1.2271 mL	6.1353 mL	12.2707 mL
5 mM	0.2454 mL	1.2271 mL	2.4541 mL
10 mM	0.1227 mL	0.6135 mL	1.2271 mL
50 mM	0.0245 mL	0.1227 mL	0.2454 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

Xue H L, Huang X D, He D, et al. Effects of marsdenia tenacissima extract on proliferation and apoptosis of hematologic neoplasm cell line cells.[J]. Journal of Sichuan University, 2012, 43(2):174-9.

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