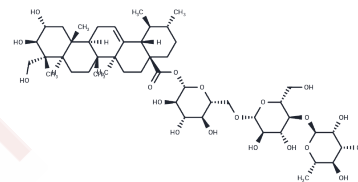


## Asiaticoside

### Chemical Properties

CAS No. :	16830-15-2
Formula:	C48H78O19
Molecular Weight:	959.12
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	Asiaticoside (Emdecassol) (Madecassol) is the active chemical component of the plant <i>Centella asiatica</i> . Asiaticoside is used to study potential treatments for wounds and burns.
Targets(IC50)	Apoptosis, Reactive Oxygen Species, Endogenous Metabolite, p38 MAPK, ROS, TGF-beta/Smad

### Solubility Information

Solubility	DMSO: 262.5 mg/mL (273.69 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 (2.09 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	1.0426 mL	5.2131 mL	10.4262 mL
5 mM	0.2085 mL	1.0426 mL	2.0852 mL
10 mM	0.1043 mL	0.5213 mL	1.0426 mL
50 mM	0.0209 mL	0.1043 mL	0.2085 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

Luo Y, et al. Mol Med Rep. 2015 Dec;12(6):8294-300.

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