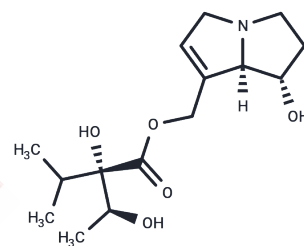


## Echinatine

## Chemical Properties

CAS No. :	480-83-1
Formula:	C <sub>15</sub> H <sub>25</sub> NO <sub>5</sub>
Molecular Weight:	299.36
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	Echinatin exerts a protective effect against ischemia/reperfusion (I/R)-induced myocardial injury on hearts, this effect may be attributed to the antioxidant and anti-inflammatory activities of this compound. Echinatin can inhibit DNP-ATPase activity while stimulating range latent ATPase activity in the low concentration, so echinatin can disturb the mitochondrial energy transfer reactions and membrane permeability.
Targets(IC50)	ATPase,IL Receptor,TNF

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3405 mL	16.7023 mL	33.4046 mL
5 mM	0.6681 mL	3.3405 mL	6.6809 mL
10 mM	0.334 mL	1.6702 mL	3.3405 mL
50 mM	0.0668 mL	0.334 mL	0.6681 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.

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