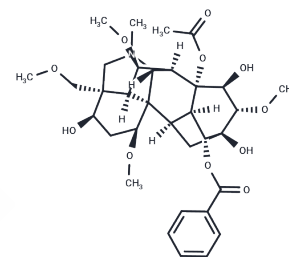


Mesaconitine

Chemical Properties

CAS No. :	2752-64-9
Formula:	C33H45NO11
Molecular Weight:	631.71
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	1. Mesaconitine has antiinflammatory activity. 2. Mesaconitine has antinociceptive activity through cyclic AMP and stimulation of the central β -adrenergic system.
Targets(IC50)	Calcium Channel, TNF

Solubility Information

Solubility	DMSO: 11 mg/mL (17.41 mM), Sonication is recommended. Ethanol: 4.81 mg/mL (7.61 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.583 mL	7.915 mL	15.830 mL
5 mM	0.3166 mL	1.583 mL	3.166 mL
10 mM	0.1583 mL	0.7915 mL	1.583 mL
50 mM	0.0317 mL	0.1583 mL	0.3166 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

Ameri A . Inhibition of stimulus-triggered and spontaneous epileptiform activity in rat hippocampal slices by the Aconitum alkaloid mesaconitine.[J]. European Journal of Pharmacology, 1998, 342(2-3):183.

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