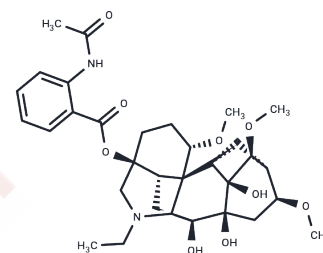


ranaconitine

Chemical Properties

CAS No. :	1360-76-5
Formula:	C32H44N2O9
Molecular Weight:	600.7
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	Ranaconitine is an important diterpenoid alkaloid from <i>Aconitum sinomontanum</i> Nakai, ranaconitine has cardiotoxicity.
Targets(IC50)	Apoptosis
In vitro	The cytotoxicity of ranaconitine was shown to be dose-dependent.

Solubility Information

Solubility	DMSO: 12 mg/mL (19.98 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	1.6647 mL	8.3236 mL	16.6472 mL
5 mM	0.3329 mL	1.6647 mL	3.3294 mL
10 mM	0.1665 mL	0.8324 mL	1.6647 mL
50 mM	0.0333 mL	0.1665 mL	0.3329 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

Nie J , Wang F , Ji T , et al. Assessment of in vitro cardiotoxicity of extract fractions and diterpene alkaloids from *Aconitum leucostomum* Worosch: A short communication[J]. Journal of Pharmaceutical and Biomedical Analysis, 2017, 137:84-89.

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