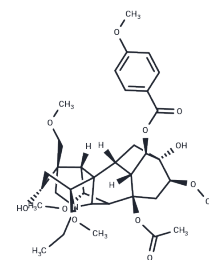


## Yunaconitine

### Chemical Properties

CAS No. :	70578-24-4
Formula:	C35H49NO11
Molecular Weight:	659.76
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. Yunaconitine (Guayewuanine B) has anti-inflammatory and analgesic actions. 2. Yunaconitine was shown to have anti-thermic effect in pyrexial rats when administered orally at a dose of 5 µg/kg. 3. Yunaconitine shows positive effect in the granuloma inhibition test when it was subcutaneously injected, 1 µg/kg for 6 d, or added directly to the cotton-pellet. 4. Yunaconitine inhibited the increased vascular permeability caused by acetic acid and histamine, the leucocyte migratory response induced by injection of 1 % carrageenin .1 ml in rat's thoracic cavity.
Targets(IC50)	Others

### Solubility Information

Solubility	DMSO: 9 mg/mL (13.64 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: 1 mg/mL (1.52 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.5157 mL	7.5785 mL	15.157 mL
5 mM	0.3031 mL	1.5157 mL	3.0314 mL
10 mM	0.1516 mL	0.7579 mL	1.5157 mL
50 mM	0.0303 mL	0.1516 mL	0.3031 mL

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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

Zhi-Gong L , Wen C , Xi-Can T . Anti-inflammatory and analgesic actions of yunaconitine[J]. Chinese Journal of Pharmacology & Toxicology, 1987.

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