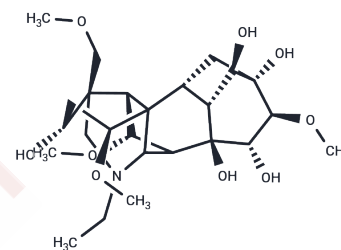


## Aconine

## Chemical Properties

CAS No. :	509-20-6
Formula:	C <sub>25</sub> H <sub>41</sub> N <sub>9</sub> O
Molecular Weight:	499.59
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. Aconine (Jesaconine) is the febrifuge. 2. Aconine possesses gastric anaesthetic props.
Targets(IC50)	NF-κB

## Solubility Information

Solubility	DMSO: 150 mg/mL (300.25 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 (4 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	2.0016 mL	10.0082 mL	20.0164 mL
5 mM	0.4003 mL	2.0016 mL	4.0033 mL
10 mM	0.2002 mL	1.0008 mL	2.0016 mL
50 mM	0.040 mL	0.2002 mL	0.4003 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

Zeng X Z , He L G , Wang S , et al. Aconine inhibits RANKL-induced osteoclast differentiation in RAW264.7 cells by suppressing NF- $\kappa$ B and NFATc1 activation and DC-STAMP expression[J]. Acta Pharmacologica Sinica, 2015.

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