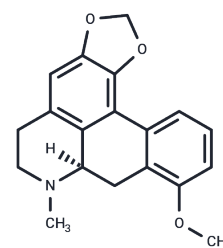


## Stephanine

## Chemical Properties

CAS No. :	517-63-5
Formula:	C <sub>19</sub> H <sub>19</sub> NO <sub>3</sub>
Molecular Weight:	309.36
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	l-Stephanine is a potent and highly selective alpha 1 adrenoceptor blocker, inhibits anococcygeus muscle contraction induced by phenylephrine with pA <sub>2</sub> values of 6.76. Stephanine shows significant antiplasmodial activities with IC <sub>50</sub> ranged from 1.2 uM to 52.3 uM. Stephanine and crebanine have high inhibitory activity against gram-positive animal pathogenic bacteria, with MIC values of 0.078-0.312g/l, but low inhibitory activity against gram-negative animal pathogenic bacteria, they also inhibit hyphal growth of the plant pathogens Cercospora kaki.
Targets(IC <sub>50</sub> )	Apoptosis,Adrenergic Receptor,Parasite,Antifection

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2325 mL	16.1624 mL	32.3248 mL
5 mM	0.6465 mL	3.2325 mL	6.465 mL
10 mM	0.3232 mL	1.6162 mL	3.2325 mL
50 mM	0.0646 mL	0.3232 mL	0.6465 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481