

## Cycleanine

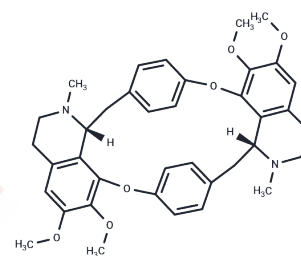
## Chemical Properties

CAS No. : 518-94-5

Formula: C<sub>38</sub>H<sub>42</sub>N<sub>2</sub>O<sub>6</sub>

Molecular Weight: 622.75

Storage: Keep away from direct sunlight  
 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	Cycleanine has potent antibacterial, antifungal, antiplasmodial, and cytotoxic activities.
Targets(IC50)	Apoptosis,Others,Calcium Channel

## Solubility Information

Solubility	DMSO: 6.23 mg/mL (10 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	1.6058 mL	8.0289 mL	16.0578 mL
5 mM	0.3212 mL	1.6058 mL	3.2116 mL
10 mM	0.1606 mL	0.8029 mL	1.6058 mL
50 mM	0.0321 mL	0.1606 mL	0.3212 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

M-L Lohombo-Ekomba, et al. Antibacterial, Antifungal, Antiplasmodial, and Cytotoxic Activities of Albertisia Villosa. J Ethnopharmacol. 2004 Aug;93(2-3):331-5.

Mehran Fadaeinasab, et al. Anti-malarial Activity of Isoquinoline Alkaloids From the Stem Bark of Actinodaphne Macrophylla. Nat Prod Commun. 2015 Sep;10(9):1541-2.

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