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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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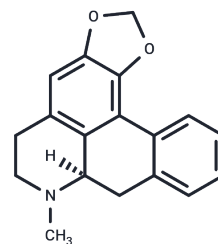
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Roemerine

Chemical Properties

CAS No. :	548-08-3
Formula:	C ₁₈ H ₁₇ NO ₂
Molecular Weight:	279.33
Appearance:	no data available
Storage:	keep away from direct sunlight, keep away from moisture
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Roemerine ((-)-Roemerine) is a porphyrin alkaloid from Senegalese lychee with antifungal and anticancer activity that prevents berberine efflux through inhibition of Bmr. Roemerine increases cell membrane permeability in a concentration-dependent manner and has been used in studies of fungal infections and prostate cancer.
Targets(IC50)	Antibiotic
In vitro	Roemerine exhibited bactericidal effects against all tested <i>S. aureus</i> strains (including both methicillin-resistant and methicillin-susceptible strains), with minimum inhibitory concentrations (MICs) ranging from 32 µg/mL to 64 µg/mL[2].

Solubility Information

Solubility	DMSO: 80 mg/mL (286.40 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	3.580 mL	17.900 mL	35.7999 mL
5 mM	0.716 mL	3.580 mL	7.160 mL
10 mM	0.358 mL	1.790 mL	3.580 mL
50 mM	0.0716 mL	0.358 mL	0.716 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.

Reference

M You, et al. (-)-Roemerine, an Aporphine Alkaloid From *Annona Senegalensis* That Reverses the Multidrug-Resistance Phenotype With Cultured Cells. *J Nat Prod.* 1995 Apr;58(4):598-604.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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