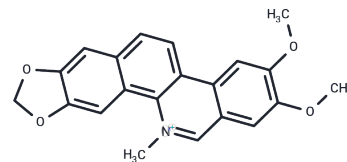


NITIDINE

Chemical Properties

CAS No. : 6872-57-7
 Formula: C₂₁H₁₈NO₄
 Molecular Weight: 348.37
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Nitidine is a bioactive plant benzophenanthridine alkaloid isolated from the root of <i>Zanthoxylum nitidum</i> . It shows anticancer, neuroprotective, antimalarial, anti-HIV, analgesic, anti-inflammatory and antifungal activities.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 2.05 mg/mL (5.89 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	2.8705 mL	14.3526 mL	28.7051 mL
5 mM	0.5741 mL	2.8705 mL	5.741 mL
10 mM	0.2871 mL	1.4353 mL	2.8705 mL
50 mM	0.0574 mL	0.2871 mL	0.5741 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

Khan H , Hadda T B , Touzani R . Diverse Therapeutic Potential of Nitidine, A Comprehensive Review[J]. Current Drug Metabolism, 2018.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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