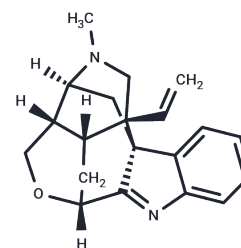


Koumine

Chemical Properties

CAS No. :	1358-76-5
Formula:	C ₂₀ H ₂₂ N ₂ O
Molecular Weight:	306.4
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. Koumine can treat the diabetic neuropathy. 2. Koumine has antineoplastic effect, may be a future breast cancer chemotherapeutic agent. 3. Koumine has a significant analgesic effect in rodent behavioral models of inflammatory and neuropathic pain, the mechanism may be associated with the upregulation of allopregnanolone in the spinal cord.
Targets(IC50)	Others

Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 14 mg/mL (45.69 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	3.2637 mL	16.3185 mL	32.6371 mL
5 mM	0.6527 mL	3.2637 mL	6.5274 mL
10 mM	0.3264 mL	1.6319 mL	3.2637 mL
50 mM	0.0653 mL	0.3264 mL	0.6527 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

Zhang X , Chen Y , Gao B , et al. Apoptotic Effect of Koumine on Human Breast Cancer Cells and the Mechanism Involved[J]. Cell Biochemistry & Biophysics, 2015, 72(2):411-416.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481