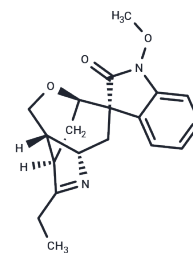


Humantenmine

Chemical Properties

CAS No. :	82354-38-9
Formula:	C ₁₉ H ₂₂ N ₂ O ₃
Molecular Weight:	326.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. Humantenmine is a toxic compound isolated from <i>Gelsemium elegans</i> Benth . 2. Humantenmine and koumine may inhibit several CYP450 enzyme activities.
Targets(IC50)	Cytochromes P450

Solubility Information

Solubility	DMSO: 12 mg/mL (36.77 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	3.0638 mL	15.3191 mL	30.6382 mL
5 mM	0.6128 mL	3.0638 mL	6.1276 mL
10 mM	0.3064 mL	1.5319 mL	3.0638 mL
50 mM	0.0613 mL	0.3064 mL	0.6128 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

Li Y , Rong-Jie Zeng, Lu Q , et al. Ultrasound/microwave-assisted extraction and comparative analysis of bioactive/toxic indole alkaloids in different medicinal parts of *Gelsemium elegans* Benth by ultra-high performance liquid chromatography with MS / MS[J]. Journal of Separation Science, 2014, 37(3):308-313.

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