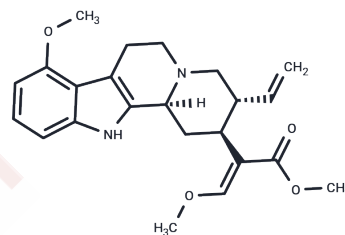


Paynantheine

Chemical Properties

CAS No. :	4697-66-9
Formula:	C ₂₃ H ₂₈ N ₂ O ₄
Molecular Weight:	396.48
Storage:	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	Paynantheine is an alkaloid with antinociceptive properties, found in <i>Mitragyna speciosa</i> . It also acts as an agonist at 5-HT _{1A} R and 5-HT _{2B} R receptors, inducing lower lip contraction and providing antinociception in rats.
Targets(IC ₅₀)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5222 mL	12.611 mL	25.222 mL
5 mM	0.5044 mL	2.5222 mL	5.0444 mL
10 mM	0.2522 mL	1.2611 mL	2.5222 mL
50 mM	0.0504 mL	0.2522 mL	0.5044 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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