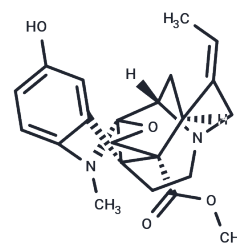


Akuammine

Chemical Properties

CAS No. :	3512-87-6
Formula:	C ₂₂ H ₂₆ N ₂ O ₄
Molecular Weight:	382.45
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	Akuammine is an antimalarial indolemonoterpene alkaloid from <i>Picralima nitida</i> seeds.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6147 mL	13.0736 mL	26.1472 mL
5 mM	0.5229 mL	2.6147 mL	5.2294 mL
10 mM	0.2615 mL	1.3074 mL	2.6147 mL
50 mM	0.0523 mL	0.2615 mL	0.5229 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.

Reference

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- Menzies JR, Paterson SJ, Duwiewua M, Corbett AD. Opioid activity of alkaloids extracted from *Picralima nitida* (fam. Apocynaceae). *Eur J Pharmacol.* 1998 May 29;350(1):101-8. PubMed PMID: 9683021.
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- Lewin G, Le Ménez P, Rolland Y, Renouard A, Giesen-Crouse E. Akuammine and dihydroakuammine, two indolomonoterpene alkaloids displaying affinity for opioid receptors. *J Nat Prod.* 1992 Mar;55(3):380-4. PubMed PMID: 1317407.

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