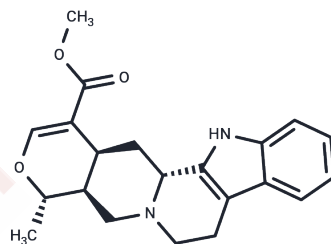


Akuammigine

Chemical Properties

CAS No. : 642-17-1
 Formula: C₂₁H₂₄N₂O₃
 Molecular Weight: 352.43
 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	Akuammigine has in vitro antimalarial activity. Akuammigine competitively antagonizes the effect of noradrenaline on postsynaptic alpha-adrenoceptors, yielding pA ₂ values of 4.68. Akuammidine also shows a preference for mu-opioid binding sites with K _i values of 0.6, 2.4 and 8.6 microM at mu-, delta- and kappa-opioid binding sites, respectively.
Targets(IC ₅₀)	Opioid Receptor, Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8374 mL	14.1872 mL	28.3744 mL
5 mM	0.5675 mL	2.8374 mL	5.6749 mL
10 mM	0.2837 mL	1.4187 mL	2.8374 mL
50 mM	0.0567 mL	0.2837 mL	0.5675 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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