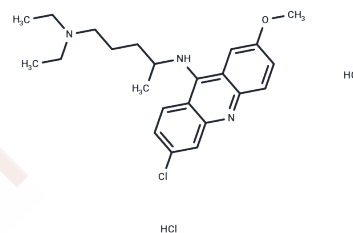


Quinacrine dihydrochloride

Chemical Properties

CAS No. :	69-05-6
Formula:	C ₂₃ H ₃₀ CLN ₃ O·2HCl
Molecular Weight:	472.88
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Quinacrine dihydrochloride (Mepacrine dihydrochloride) is the dihydrochloride salt of the 9-aminoacridine derivative quinacrine with potential antineoplastic and antiparasitic activities.
Targets(IC50)	Apoptosis,Mitophagy,Parasite,Autophagy,Histamine Receptor,DNA,Phospholipase

Solubility Information

Solubility	H ₂ O: 49 mg/mL (103.62 mM),Sonication is recommended. DMSO: 4.73 mg/mL (10 mM),Sonication is recommended. Ethanol: 27 mg/mL (57.1 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	2.1147 mL	10.5735 mL	21.147 mL
5 mM	0.4229 mL	2.1147 mL	4.2294 mL
10 mM	0.2115 mL	1.0574 mL	2.1147 mL
50 mM	0.0423 mL	0.2115 mL	0.4229 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

Nuttle LC, et al. Am J Physiol. 1999 Apr;276(4 Pt 2):H1289-94.

Rao Y, Sun Y, Li P, et al. Hypoxia-sensitive adjuvant loaded liposomes enhance the antimicrobial activity of azithromycin via phospholipase-triggered releasing for Pseudomonas aeruginosa biofilms eradication.

International Journal of Pharmaceutics. 2022: 121910

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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