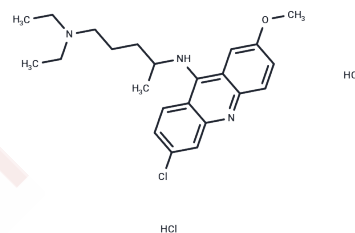


Quinacrine dihydrochloride

Chemical Properties

CAS No. :	69-05-6
Formula:	C ₂₃ H ₃₀ CLN ₃ O·2HCl
Molecular Weight:	472.88
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



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)
------------	---

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.

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

Nuttall 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481