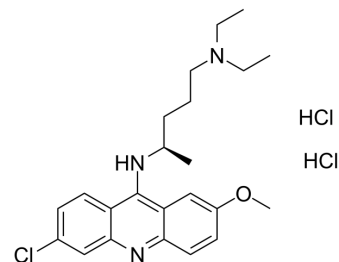


l-Atabrine dihydrochloride

Cat. No.:	HY-13735C
CAS No.:	56100-42-6
Molecular Formula:	C ₂₃ H ₃₂ Cl ₃ N ₃ O
Molecular Weight:	472.88
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (105.74 mM; Need ultrasonic)
DMSO : 20 mg/mL (42.29 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.1147 mL	10.5735 mL	21.1470 mL
	5 mM	0.4229 mL	2.1147 mL	4.2294 mL
	10 mM	0.2115 mL	1.0574 mL	2.1147 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2 mg/mL (4.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2 mg/mL (4.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2 mg/mL (4.23 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

l-Atabrine dihydrochloride is a less active enantiomer of quinacrine which displays antiprion activity.

REFERENCES

[1]. Ryou C, et al. Differential inhibition of prion propagation by enantiomers of quinacrine. Lab Invest. 2003 Jun;83(6):837-43.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA