d-Atabrine dihydrochloride

Cat. No.: HY-13735D

CAS No.: 56100-41-5

Molecular Formula: $C_{23}H_{32}Cl_3N_3O$

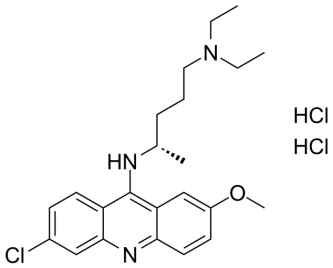
Molecular Weight: 472.88

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

DMSO : 16.67 mg/mL (35.25 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	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

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 1.67 mg/mL (3.53 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 1.67 mg/mL (3.53 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 1.67 mg/mL (3.53 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

d-Atabrine dihydrochloride is an 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.

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