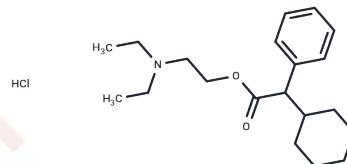


Drofenine hydrochloride

Chemical Properties

CAS No. : 548-66-3
 Formula: C₂₀H₃₁NO₂·HCl
 Molecular Weight: 353.93
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Drofenine hydrochloride (Hexahydroadiphenine hydrochloride) is an effective competitive inhibitor of BChE (K _i value: 3 uM).
Targets(IC ₅₀)	Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 15 mg/mL (42.38 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	2.8254 mL	14.1271 mL	28.2542 mL
5 mM	0.5651 mL	2.8254 mL	5.6508 mL
10 mM	0.2825 mL	1.4127 mL	2.8254 mL
50 mM	0.0565 mL	0.2825 mL	0.5651 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

Pawelczyk E, et al. Acta Pol Pharm. 1971; 28(6):594-602.

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