

Trimethylammonium chloride

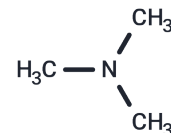
Chemical Properties

CAS No. : 593-81-7

Formula: C₃H₁₀ClN

Molecular Weight: 95.57

HCl



Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Trimethylammonium chloride is a product of the breakdown of plants and animals and is a non-competitive acetylcholinesterase inhibitor.
Targets(IC50)	Endogenous Metabolite,Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 30 mg/mL (313.91 mM),Sonication is recommended. H2O: 100 mg/mL (1046.35 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	10.4635 mL	52.3177 mL	104.6353 mL
5 mM	2.0927 mL	10.4635 mL	20.9271 mL
10 mM	1.0464 mL	5.2318 mL	10.4635 mL
50 mM	0.2093 mL	1.0464 mL	2.0927 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

Nicholson J K , Foxall P J D , Spraul M , et al. 750 MHz 1H and 1H-13C NMR Spectroscopy of Human Blood Plasma[J]. Analytical Chemistry, 1995, 67(5):793-811.

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