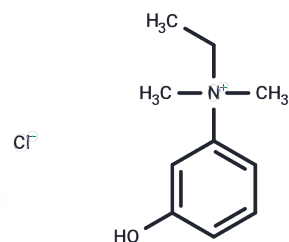


Edrophonium chloride

Chemical Properties

CAS No. :	116-38-1
Formula:	C ₁₀ H ₁₆ ClNO
Molecular Weight:	201.69
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Edrophonium chloride is an acetylcholinesterase (AChE) inhibitor that is known to prevent the breakdown of the neurotransmitter acetylcholine by binding specifically to its catalytic site.
Targets(IC50)	Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 31 mg/mL (153.7 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (9.92 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9581 mL	24.7905 mL	49.581 mL
5 mM	0.9916 mL	4.9581 mL	9.9162 mL
10 mM	0.4958 mL	2.4791 mL	4.9581 mL
50 mM	0.0992 mL	0.4958 mL	0.9916 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

Boyle N A J , Talesa V , Giovannini E , et al. Synthesis and Study of Thiocarbonate Derivatives of Choline as Potential Inhibitors of Acetylcholinesterase[J]. Journal of Medicinal Chemistry, 1997, 40(19):3009-3013.

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