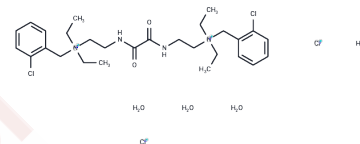


Ambenonium chloride tetrahydrate

Chemical Properties

CAS No. :	52022-31-8
Formula:	C ₂₈ H ₅₀ Cl ₄ N ₄ O ₆
Molecular Weight:	680.53
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	Ambenonium chloride tetrahydrate is a salt of ambenonium --- a quaternary ammonium compound with parasympathomimetic activity. It is a cholinesterase inhibitor used in the management of myasthenia gravis. Myasthenia gravis occurs when the body produces antibodies against acetylcholine receptors, and thus inhibits signal transmission across the myoneural junction. Ambenonium chloride is a rapid indirect-acting cholinergic agonist that reversibly blocks the activity of acetylcholinesterase, thereby prevents acetylcholine hydrolysis and prolonging its activity on nicotinic receptors at the neuromuscular junction.
Targets(IC50)	Others,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4694 mL	7.3472 mL	14.6944 mL
5 mM	0.2939 mL	1.4694 mL	2.9389 mL
10 mM	0.1469 mL	0.7347 mL	1.4694 mL
50 mM	0.0294 mL	0.1469 mL	0.2939 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481