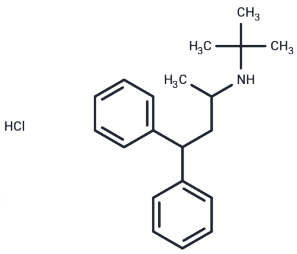
Data Sheet (Cat.No.T13129)

TargetMol

Terodiline hydrochloride

Chemical Properties



CAS No. : 7082-21-5

Formula: C20H28ClN

Molecular Weight: 317.9

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	Terodiline hydrochloride is an antagonist of M1-selective muscarinic receptor (mAChR) (Kbs of 15, 160, 280, and 198 nM in rabbit vas deferens (M1), atria (M2), bladder (M3) and ileal muscle (M3), respectively).
Targets(IC50)	Calcium Channel,AChR
In vivo	Terodiline treatment with 80 mg/kg; S.C. is equipotent in inhibiting intravesical bladder pressure and carbachol-induced salivary secretion with ID50 of 24 and 35 mg/kg, respectively, and in increasing pupil diameter with ED50 of 59 mg/kg.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1456 mL	15.7282 mL	31.4564 mL
5 mM	0.6291 mL	3.1456 mL	6.2913 mL
10 mM	0.3146 mL	1.5728 mL	3.1456 mL
50 mM	0.0629 mL	0.3146 mL	0.6291 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

Noronha-Blob L, et al. (+/-)-Terodiline: an M1-selective muscarinic receptor antagonist. In vivo effects at muscarinic receptors mediating urinary bladder contraction, mydriasis and salivary secretion. Eur J Pharmacol. 1991 Aug 29;201(2-3):135-42.

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