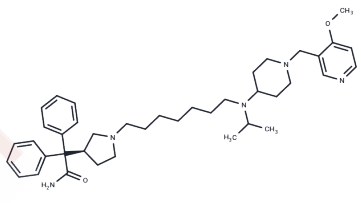
Data Sheet (Cat.No.T211557)

TargetMol

TD-6301

Chemical Properties



CAS No. : 690999-15-6

Formula: C40H57N5O2

Molecular Weight: 639.91

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	TD-6301 is a bladder-selective M2/4 muscarinic receptor antagonist. It binds with high selectivity and blocks M2/4 muscarinic receptors, exhibiting particularly strong affinity for the human M2 receptor (Ki= 0.36 nM). TD-6301 inhibits volume-induced bladder contraction (ID50= 0.075 mg/kg) and is applicable for studying overactive bladder conditions.
Targets(IC50)	AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5627 mL	7.8136 mL	15.6272 mL
5 mM	0.3125 mL	1.5627 mL	3.1254 mL
10 mM	0.1563 mL	0.7814 mL	1.5627 mL
50 mM	0.0313 mL	0.1563 mL	0.3125 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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