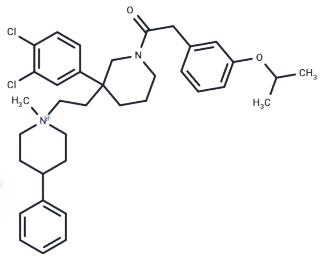
Data Sheet (Cat.No.T29186)

TargetMol

YM49598

Chemical Properties



CAS No. : 738575-62-7

Formula: C36H45Cl2N2O2

Molecular Weight: 608.66

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	YM49598 is a tachykinin receptor antagonist. YM49598 exhibited high binding affinities at NK(1) (pK(i) = 9.09 +/- 0.02) and NK(2) (pK(i) = 9.94 +/- 0.03) receptors, respectively. YM49598 was almost inactive but produced a potent inhibition (IC(50) = 11 +/- 7 microg x kg(-1)) of the contraction of the rat urinary bladder induced by challenge with the NK (1)-selective receptor agonist [Sar9,Met(O(2))11]substance P sulphone (0.3 microg x kg (-1)).
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.643 mL	8.2148 mL	16.4295 mL
5 mM	0.3286 mL	1.643 mL	3.2859 mL
10 mM	0.1643 mL	0.8215 mL	1.643 mL
50 mM	0.0329 mL	0.1643 mL	0.3286 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

Choppin A, Groke G, Bringas A, Stepan G, Dillon MP. Effect of YM-44781, YM-44778 and YM-49598, novel tachykinin antagonists, in a drug-induced bladder contraction model. Pharmacology. 2002 May;65(2):96-102. PubMed PMID: 11937780.

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