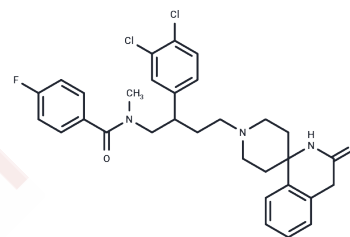


YM44781

Chemical Properties

CAS No. : 173943-29-8
 Formula: C₃₁H₃₂Cl₂FN₃O₂
 Molecular Weight: 568.51
 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	YM44781 is a non-peptide tachykinin receptor antagonist. YM44781 exhibits high binding affinities at NK(1) (pK(i) = 9.09 +/- 0.02) and NK(2) (pK(i) = 9.94 +/- 0.03) receptors, respectively.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.759 mL	8.7949 mL	17.5898 mL
5 mM	0.3518 mL	1.759 mL	3.518 mL
10 mM	0.1759 mL	0.8795 mL	1.759 mL
50 mM	0.0352 mL	0.1759 mL	0.3518 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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