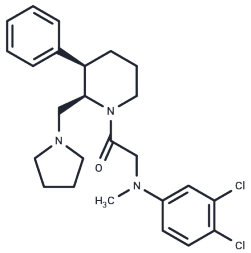
Data Sheet (Cat.No.T205347)

TargetMol

Urotensin-II receptor antagonist-1

Chemical Properties



CAS No. : 1034708-07-0

Formula: C25H31Cl2N3O

Molecular Weight: 460.439

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	Urotensin-II receptor antagonist-1 (compound 1) is a human Urotensin II receptor antagonist with low oral bioavailability (F=0-3% in rats) and a Ki of 16 nM in HEK293 cells expressing human recombinant UT receptors. It inhibits cytochrome P450 enzymes (IC50=0.75 μM for CYP2D6; 1.4 μM for CYP3A4), suppresses κ opioid receptors (EC50=3.2 μM), and targets cardiac sodium channels (Ki=2.5 μM).
Targets(IC50)	Opioid Receptor,Cytochromes P450,GPCR,Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1718 mL	10.8592 mL	21.7184 mL
5 mM	0.4344 mL	2.1718 mL	4.3437 mL
10 mM	0.2172 mL	1.0859 mL	2.1718 mL
50 mM	0.0434 mL	0.2172 mL	0.4344 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.

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