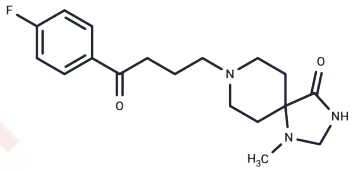
Data Sheet (Cat.No.T202891)

TargetMol

KML-010

Chemical Properties



CAS No. : 217635-62-6

Formula: C18H24FN3O2

Molecular Weight: 333.4

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	KML-010 is a derivative of spiperone. Compared to spiperone, KML-010 exhibits slightly reduced affinity for 5-HT(2A) receptors, almost no affinity for 5-HT(2C) and 5-HT(1A) receptors, and significantly decreased affinity for dopamine D2 receptors. The modification of the N(1)-phenyl ring in spiperone to a methyl group in KML-010 alters its binding characteristics, potentially offering more selective pharmacological properties for specific receptor targeting.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9994 mL	14.997 mL	29.994 mL
5 mM	0.5999 mL	2.9994 mL	5.9988 mL
10 mM	0.2999 mL	1.4997 mL	2.9994 mL
50 mM	0.060 mL	0.2999 mL	0.5999 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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