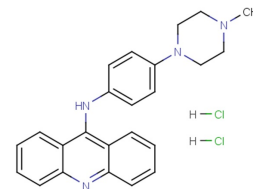


JP1302 dihydrochloride

Chemical Properties

CAS No.:	1259314-65-2
Formula:	C ₂₄ H ₂₆ Cl ₂ N ₄
Molecular Weight:	441.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	JP1302 dihydrochloride is a selective, high affinity antagonist of the alpha2C-adrenoceptor (α 2C-adrenoceptor), with a K _b value (antagonist activity) of 16 nM and a K _i (binding affinity) value of 28 nM.
Targets(IC ₅₀)	α 2C- adrenoceptor(ki): k _i : 28 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.266 mL	11.328 mL	22.655 mL
5 mM	0.453 mL	2.266 mL	4.531 mL
10 mM	0.227 mL	1.133 mL	2.266 mL
50 mM	0.045 mL	0.227 mL	0.453 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Tricklebank MD, et al. JP-1302: a new tool to shed light on the roles of alpha2C-adrenoceptors in brain. Br J Pharmacol. 2007 Feb;150(4):381-2.
2. Sallinen J, et al. Pharmacological characterization and CNS effects of a novel highly selective alpha2C-adrenoceptor antagonist JP-1302. Br J Pharmacol. 2007 Feb;150(4):391-402.

Inhibitors · Natural Compounds · Compound Libraries

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