

UNC0006

## Chemical Properties

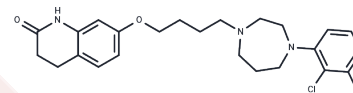
CAS No. : 1354030-14-0

Formula: C<sub>24</sub>H<sub>29</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>2</sub>

Molecular Weight: 462.41

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	UNC0006 is a beta-inhibitory protein biased D(2)R ligand, and is also an antagonist of G(i)-regulated cAMP production and a partial agonist of D(2)R/beta-arrestin-2 interaction. It has antipsychotic activity and is used in the study of neurological disorders.
Targets(IC50)	cAMP, Dopamine Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1626 mL	10.8129 mL	21.6258 mL
5 mM	0.4325 mL	2.1626 mL	4.3252 mL
10 mM	0.2163 mL	1.0813 mL	2.1626 mL
50 mM	0.0433 mL	0.2163 mL	0.4325 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

Allen JA, et al. Discovery of  $\beta$ -arrestin-biased dopamine D2 ligands for probing signal transduction pathways essential for antipsychotic efficacy. Proc Natl Acad Sci U S A. 2011 Nov 8;108(45):18488-93.

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