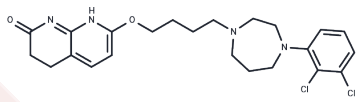
# Data Sheet (Cat.No.T29064)

TargetMol

## UNC9975

### Chemical Properties



CAS No. : 1354030-19-5

Formula: C23H28Cl2N4O2

Molecular Weight: 463.4

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 | UNC9975 is a beta-inhibitory protein-biased dopamine D(2) receptor agonist with antipsychotic activity and can be used to study neurologic disorders such as schizophrenia. |
| Targets(IC50) | Others,Dopamine Receptor |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.158 mL | 10.7898 mL | 21.5796 mL |
| 5 mM | 0.4316 mL | 2.158 mL | 4.3159 mL |
| 10 mM | 0.2158 mL | 1.079 mL | 2.158 mL |
| 50 mM | 0.0432 mL | 0.2158 mL | 0.4316 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 J A, et al. Discovery of β-arrestin-biased dopamine D2 ligands for probing signal transduction pathways essential for antipsychotic efficacy. Proceedings of the National Academy of Sciences. 2011, 108(45): 18488-18493.

Montgomery D, et al. Molecular dynamics simulation of biased agonists at the dopamine D2 receptor suggests the mechanism of receptor functional selectivity. Journal of Biomolecular Structure and Dynamics. 2018.

Park S M, et al. Effects of β-arrestin-biased dopamine D2 receptor ligands on schizophrenia-like behavior in hypoglutamatergic mice. Neuropsychopharmacology. 2016.41(3):704-715.

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