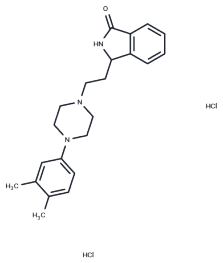
Data Sheet (Cat.No.T12383)

TargetMol

PD 168568 dihydrochloride

Chemical Properties



CAS No. : 1782532-06-2

Formula: C22H29Cl2N3O

Molecular Weight: 422.39

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	PD 168568 dihydrochloride (PD 168568 (dihydrochloride)) is an orally active and selective antagonist of D4 dopamine receptor(Ki of 8.8 nM).
Targets(IC50)	Dopamine Receptor
In vitro	PD 168568 dihydrochloride has good selective for D4 receptor(Ki of 1842 nM for D2 receptor)[1].
In vivo	PD 168568 dihydrochloride inhibit amphetamine stimulated locomotor activity in the rat [1].

Solubility Information

Solubility	DMSO: 55 mg/mL (130.21 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3675 mL	11.8374 mL	23.6748 mL
5 mM	0.4735 mL	2.3675 mL	4.735 mL
10 mM	0.2367 mL	1.1837 mL	2.3675 mL
50 mM	0.0473 mL	0.2367 mL	0.4735 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

Belliotti TR, et al. Isoindolinone enantiomers having affinity for the dopamine D4 receptor. Bioorg Med Chem Lett. 1998 Jun 16;8(12):1499-502.

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