Data Sheet (Cat.No.T16502)

TargetMol®
YOUR TARGET MOLECULES

PF-3882845

Chemical Properties

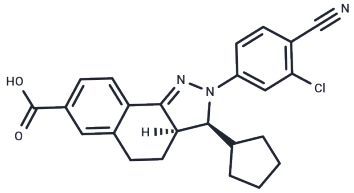
CAS No. : 1023650-66-9

Formula: C24H22ClN3O2

Molecular Weight: 419.9

Appearance: no data available

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



Biological Description

Description	PF-3882845 also binds to the progesterone receptor (the binding IC50: 310 nM). PF-3882845 is a remarkably high affinity selective and orally efficacious mineralocorticoid receptor (MR binding IC50=2.7 nM) antagonist for hypertension and nephropathy.
Targets(IC50)	Others
In vivo	PF-3882845 shows moderate oral bioavailability (F 86%) following oral administration (2 mg/kg) in male Sprague-Dawley rats. PF-3882845 displays terminal elimination half-lives (T1/2 1.7 h) due to high plasma clearance (CL 9.8 mL/min/kg) combined with large volumes of distribution (Vdss 1.4 mL/kg respectively) following intravenous administration (2 mg/kg) in male Sprague-Dawley rats. PF-3882845 decreases blood pressure, decreases urinary albumin, and protects kidney in Dahl SS rat [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3815 mL	11.9076 mL	23.8152 mL
5 mM	0.4763 mL	2.3815 mL	4.763 mL
10 mM	0.2382 mL	1.1908 mL	2.3815 mL
50 mM	0.0476 mL	0.2382 mL	0.4763 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.

Reference

Meyers MJ, et al. Discovery of (3S,3aR)-2-(3-chloro-4-cyanophenyl)-3-cyclopentyl-3,3a,4,5-tetrahydro-2H-benzo[g]indazole-7-carboxylic acid (PF-3882845), an orally efficacious mineralocorticoid receptor (MR) antagonist for

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