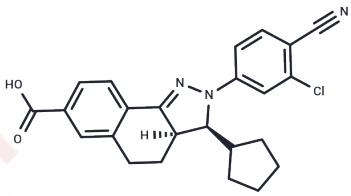
Data Sheet (Cat.No.T16502)

PF-3882845

Chemical Properties



CAS No. : 1023650-66-9

Formula: C24H22ClN3O2

Molecular Weight: 419.9

Storage: Store at low temperature
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	PF-3882845 is an orally available and selective salicorticoid receptor (MR) antagonist that binds to the progesterone receptor (PR) and can be used to study endocrine diseases and urogenital disorders.
Targets(IC50)	Glucocorticoid Receptor,Progesterone Receptor
In vivo	In male Sprague-Dawley rats, PF-3882845 exhibited moderate bioavailability (F 86%) after oral administration (2 mg/kg). When administered intravenously (2 mg/kg), PF-3882845 exhibited a shorter terminal elimination half-life (T1/2 1.7 hours), which was associated with its higher plasma clearance (CL 9.8 mL/min/kg) and larger volume of distribution (Vdss 1.4 mL/kg). PF-3882845 has hypotensive, urinary albumin-reducing and renoprotective effects in Dahl SS rats. [1]

Solubility Information

Solubility	DMSO: 8 mg/mL (19.05 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

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.

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

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 hypertension and nephropathy. J Med Chem. 2010 Aug 26;53(16):5979-6002.