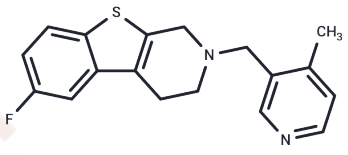
Data Sheet (Cat.No.T10923)

TargetMol

CYP17-IN-1

Chemical Properties



CAS No. : 2093317-51-0

Formula: C18H17FN2S

Molecular Weight: 312.4

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	CYP17-IN-1 is an effective oral inhibitor of CYP17 that can inhibit CYP17 in rats and humans with IC50 of 15.8 and 20.1 nM.
Targets(IC50)	Cytochromes P450
In vitro	The IC50 value of CYP17-IN-1 for CYP3A4 is 8.5 μM[1].
In vivo	CYP17-IN-1 dose-dependently reduced plasma testosterone levels in Sprague-Dawley rats[1].

Solubility Information

Solubility	DMSO: 3.13 mg/mL (10.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.201 mL	16.0051 mL	32.0102 mL
5 mM	0.6402 mL	3.201 mL	6.402 mL
10 mM	0.3201 mL	1.6005 mL	3.201 mL
50 mM	0.064 mL	0.3201 mL	0.6402 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

Wang M, et al. Discovery of novel 1,2,3,4-tetrahydrobenzo[4, 5]thieno[2, 3-c]pyridine derivatives as potent and selective CYP17 inhibitors. Eur J Med Chem. 2017 May 26;132:157-172.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481