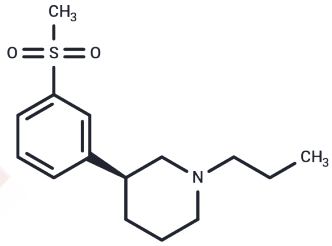
Data Sheet (Cat.No.T28435)

PNU-96391

Chemical Properties



CAS No. : 146798-66-5

Formula: C15H23NO2S

Molecular Weight: 281.41

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	PNU-96391 (OSU-6162) is an antagonist of dopamine D2 and a partial agonist of 5-HT2A. PNU-96391 can be used in research on the treatment of chronic diseases.
Targets(IC50)	5-HT Receptor,Dopamine Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (195.44 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5535 mL	17.7677 mL	35.5353 mL
5 mM	0.7107 mL	3.5535 mL	7.1071 mL
10 mM	0.3554 mL	1.7768 mL	3.5535 mL
50 mM	0.0711 mL	0.3554 mL	0.7107 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

Yamazaki S, et al. Comparison of prediction methods for in vivo clearance of (S,S)-3-[3-(methylsulfonyl)phenyl]-1-propylpiperidine hydrochloride, a dopamine D2 receptor antagonist, in humans. Drug Metab Dispos. 2004 Apr;32(4):398-404.

Rodríguez CA, et al. Single oral dose safety, tolerability, and pharmacokinetics of PNU-96391 in healthy volunteers. J Clin Pharmacol. 2004 Mar;44(3):276-83.

Yamazaki S, et al. Application of stable isotope methodology in the evaluation of the pharmacokinetics of (S,S)-3-[3-(methylsulfonyl)phenyl]-1-propylpiperidine hydrochloride in rats. Drug Metab Dispos. 2009 May;37(5):937-45.

Wienkers LC, Wynalda MA. Multiple cytochrome P450 enzymes responsible for the oxidative metabolism of the substituted (S)-3-phenylpiperidine, (S,S)-3-[3-(methylsulfonyl)phenyl]-1-propylpiperidine hydrochloride, in human liver microsomes. Drug Metab Dispos. 2002 Dec;30(12):1372-7.