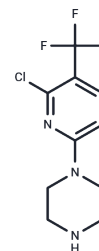


Org-12962

Chemical Properties

CAS No. :	132834-56-1
Formula:	C ₁₀ H ₁₁ ClF ₃ N ₃
Molecular Weight:	265.66
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Org-12962 is an effective and selective 5-HT _{2C} receptor agonist (pEC ₅₀ : 7.01). Org-12962 shows antiaversive effects in a rat model of panic-like anxiety. Org-12962 also shows high efficacy for the 5-HT _{2A} and 5-HT _{2B} receptors (pEC ₅₀ s: 6.38 and 6.28, respectively).
Targets(IC ₅₀)	5-HT Receptor
In vivo	Org-12962 is dissolved or microsuspended in 0.3% v/v Tween 80 in physiological saline (NaCl 0.9%). Org-12962 (intraperitoneal injection; 0.3-3.2 mg/kg) obviously enhances the postinjection frequency thresholds for self-interruption (F _{3.71} =11.40) [1].

Solubility Information

Solubility	DMSO: 225 mg/mL (846.9 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7642 mL	18.821 mL	37.6421 mL
5 mM	0.7528 mL	3.7642 mL	7.5284 mL
10 mM	0.3764 mL	1.8821 mL	3.7642 mL
50 mM	0.0753 mL	0.3764 mL	0.7528 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

- Porter RH, et al. Functional characterization of agonists at recombinant human 5-HT_{2A}, 5-HT_{2B} and 5-HT_{2C} receptors in CHO-K1 cells. *Br J Pharmacol.* 1999 Sep;128(1):13-20.
- Jenck F, et al. Antiaversive effects of 5HT_{2C} receptor agonists and fluoxetine in a model of panic-like anxiety in rats. *Eur Neuropsychopharmacol.* 1998 Aug;8(3):161-8.
- Faassen F, et al. Caco-2 permeability, P-glycoprotein transport ratios and brain penetration of heterocyclic drugs. *Int J Pharm.* 2003 Sep 16;263(1-2):113-22.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481