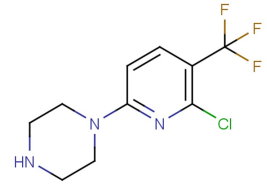


Data Sheet (Cat.No.T16401)

Org-12962

Chemical Properties

CAS No.:	132834-56-1
Formula:	C10H11ClF3N3
Molecular Weight:	265.66
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Org-12962 is an effective and selective 5-HT2C receptor agonist pEC50: 7.01). Org-12962 shows antiaversive effects in a rat model of panic-like anxiety. Org-12962 also shows high efficacy for the 5-HT2A and 5-HT2B receptors (pEC50s: 6.38 and 6.28, respectively).
Targets(IC ₅₀)	5-HT2C Receptor: 7.01 (pEC50) 5-HT2A Receptor: 6.38 (pEC50) 5-HT2B Receptor: 6.28 (pEC50)
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 (F3.71=11.40) [1].

Solubility Information

Solubility	DMSO: 250 mg/mL (941.05 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.764 mL	18.821 mL	37.642 mL
5 mM	0.753 mL	3.764 mL	7.528 mL
10 mM	0.376 mL	1.882 mL	3.764 mL
50 mM	0.075 mL	0.376 mL	0.753 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Porter RH, et al. Functional characterization of agonists at recombinant human 5-HT2A, 5-HT2B and 5-HT2C receptors in CHO-K1 cells. *Br J Pharmacol.* 1999 Sep;128(1):13-20.
- Jenck F, et al. Antiaversive effects of 5HT2C 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.

Inhibitors · Natural Compounds · Compound Libraries

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