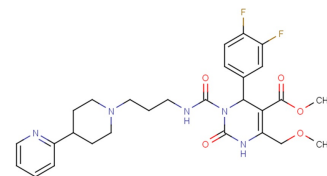


## Data Sheet (Cat.No.T10173)

MCHR1 antagonist 1

### Chemical Properties

CAS No.:	391610-37-0
Formula:	C <sub>28</sub> H <sub>33</sub> F <sub>2</sub> N <sub>5</sub> O <sub>5</sub>
Molecular Weight:	557.59
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



### Biological Description

Description	MCHR1 antagonist 1 is a selective antagonist of melanin-concentrating hormone-1 (MCH1) receptor (K <sub>b</sub> : 1 nM, K <sub>i</sub> : 4 nM at human MCH1).
Targets(IC <sub>50</sub> )	Human MCH1: k <sub>i</sub> : 4 nM
In vitro	MCHR1 antagonist 1 exhibits potent activities against melanin-concentrating hormone-1 receptor, but less potent against human GALR1, GALR2, GALR3, MCH1, NPY1, NPY5, and rat 5HT <sub>2C</sub> receptors (K <sub>is</sub> >50000 nM).

### Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.793 mL	8.967 mL	17.934 mL
5 mM	0.359 mL	1.793 mL	3.587 mL
10 mM	0.179 mL	0.897 mL	1.793 mL
50 mM	0.036 mL	0.179 mL	0.359 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

1. Selective melanin concentrating hormone-1 (MCH1) receptor antagonists and uses thereof. US 20030069261 A1

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](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481