

---

## Product Data Sheet

---

Product Name: MChr1 antagonist 1

Cat. No.: GC31628

### Chemical Properties

Cas. No. 391610-37-0

SMILES O=C(C(C(C1=CC=C(F)C(F)=C1)N2C(NCCCN3CCC(C4=NC=CC=C4)CC3)=O)=C(COC)NC2=O)OC

Formula  $C_{28}H_{33}F_2N_5O_5$  M.Wt 557.59

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic tips bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice Condition upon request.

Structure

### Background

MChr1 antagonist 1 is a selective antagonist of melanin concentrating hormone-1 (MCH1) receptor, with a  $K_b$  of 1 nM and a  $K_i$  of 4 nM at human MCH1, and may be used to reduce the body mass.

MChr1 antagonist 1 shows potent activities against melanin concentrating hormone-1 receptor, but less potent against human MCH1, NPY1, NPY5, GALR1, GALR2, GALR3, and rat 5HT2C receptors, with  $K_{is}$  of >50000 nM[1].

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA