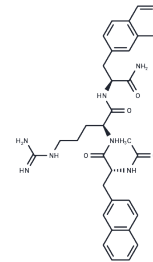


MCL0020

Chemical Properties

CAS No. :	475498-26-1
Formula:	C34H39N7O4
Molecular Weight:	609.72
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	MCL0020 is a potent and selective melanocortin MC4 receptor antagonist (IC50 values are 11.63, 1115, and >10,000 nM at MC4, MC3, and MC1 receptors, respectively). It significantly reverses stress-induced anorexia without affecting food intake in free-feeding rats and exhibits anxiolytic-like activity in vivo.
Targets(IC50)	Melanocortin Receptor

Solubility Information

Solubility	25% ethanol / water: 2 mg/mL (3.28 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6401 mL	8.2005 mL	16.401 mL
5 mM	0.328 mL	1.6401 mL	3.2802 mL
10 mM	0.164 mL	0.820 mL	1.6401 mL
50 mM	0.0328 mL	0.164 mL	0.328 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

Chaki et al (2003) Involvement of the melanocortin MC4 receptor in stress-related behavior in rodents. Eur.J. Pharmacol. 474 95 PMID:

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:34 Washington Street,Wellesley Hills,MA 02481