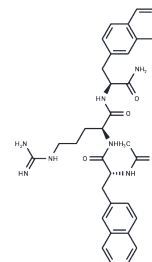


MCL0020

Chemical Properties

CAS No. : 475498-26-1
 Formula: C34H39N7O4
 Molecular Weight: 609.72
 Appearance: no data available
 Storage: keep away from moisture
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	MCL0020 is a potent and selective melanocortin MC4 receptor antagonist (IC ₅₀ values are 11.63, 1115 and > 10 000 nM at MC4, MC3 and MC1 receptors respectively). Significantly reverses stress-induced anorexia but has no effect on food intake in free-feeding rats. Exhibits anxiolytic-like activity in vivo.
Targets(IC ₅₀)	Melanocortin Receptor

Solubility Information

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

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

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