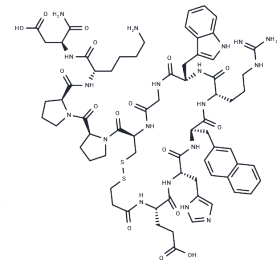


JKC363

## Chemical Properties

CAS No. :	436083-30-6
Formula:	C69H91N19O16S2
Molecular Weight:	1506.72
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	Potent and selective melanocortin MC4 receptor antagonist (IC50 values are 0.5 and 44.9 nM at MC4 and MC3 respectively) that antagonizes the effects of $\alpha$ -MSH. Suppresses thyrotropin-releasing hormone (TRH) release, attenuates food intake and reduces formalin-induced pain in vivo.
Targets(IC50)	Melanocortin Receptor

## Solubility Information

Solubility	H2O: 1 mg/mL (0.66 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6637 mL	3.3185 mL	6.6369 mL
5 mM	0.1327 mL	0.6637 mL	1.3274 mL
10 mM	0.0664 mL	0.3318 mL	0.6637 mL
50 mM	0.0133 mL	0.0664 mL	0.1327 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

Kim et al (2002) Effects of melanocortin receptor ligands on thyrotropin-releasing hormone release: evidence for the differential roles of melanocortin 3 and 4 receptors. J.Neuroendocrinol. 14 276 PMID:

Bellasio et al (2003) Melanocortin receptor agonists and antagonists modulate nociceptive sensitivity in the mouse formalin test. Eur.J.Pharmacol. 482 127 PMID:

Verty et al (2004) Evidence for an interaction between CB1 cannabinoid and melanocortin MCR-4 receptors in regulating food intake. Endocrinology 145 3224 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