

[D-Trp8]- γ -MSH acetate(321351-81-9 free base)

Chemical Properties

CAS No.:	TP1893L1	
Formula:	C76H103N21O18S	YVMGHFRWDRFG(acetate salt)
Molecular Weight:	1630.82	
Appearance:	N/A	
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).	

Biological Description

Description	Selective melanocortin 3 (MC3) receptor agonist (IC50 values are 6.7, 340 and 600 nM for human MC3, MC5 and MC4 receptors respectively). Displays anti-inflammatory efficacy.
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Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.613 mL	3.066 mL	6.132 mL
5 mM	0.123 mL	0.613 mL	1.226 mL
10 mM	0.061 mL	0.307 mL	0.613 mL
50 mM	0.012 mL	0.061 mL	0.123 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

- Grieco et al (2000) D-amino acid scan of γ -melanocyte-stimulating hormone: importance of Trp8 on human MC3 receptor selectivity. J.Med.Chem. 43 4998 PMID:
- Getting et al (2006) [D-Trp8]- γ -Melanocyte-stimulating-hormone exhibits anti-inflammatory efficacy in mice bearing a nonfunctional MC1R (recessive yellow e/e mouse). Mol.Pharmacol. 70 1850 PMID:
- Patel et al (2010) Anti-inflammatory and antiosteoclastogenesis properties of endogenous melanocortin receptor type 3 in experimental arthritis. FASEB J. 24 4835 PMID:

Inhibitors · Natural Compounds · Compound Libraries

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