

α-MSH, amide Acetate

Chemical Properties

CAS No. :

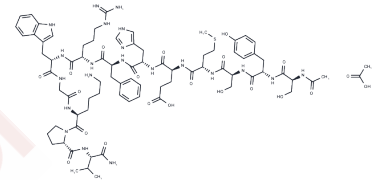
Formula: C79H113N21O21S

Molecular Weight: 1724.94

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	α-MSH, amide Acetate as an endogenous neuropeptide. It is an endogenous melanocortin receptor 4 (MC4R) agonist with anti-inflammatory and antipyretic activities. α-MSH is a post-translational derivative of pro-opiomelanocortin (POMC)
Targets(IC50)	Melanocortin Receptor

Solubility Information

Solubility	H2O: 20.83 mg/mL (12.08 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5797 mL	2.8987 mL	5.7973 mL
5 mM	0.1159 mL	0.5797 mL	1.1595 mL
10 mM	0.058 mL	0.2899 mL	0.5797 mL
50 mM	0.0116 mL	0.058 mL	0.1159 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

Daw et al (2000) PDZ proteins interacting with C-terminal GluR2/3 are involved in a PKC-dependent regulation of AMPA receptors at hippocampal synapses. Neuron 28 873 PMID: 11163273

Hanley et al (2002) NSF ATPase and α -/ β -SNAPs disassemble the AMPA receptor-PICK1 complex. Neuron 34 53 PMID: 11931741

Kim et al (2001) Interaction of the AMPA receptor subunit GluR2/3 with PDZ domains regulates hippocampal long-term depression. Proc.Natl.Acad.Sci.U.S.A. 98 11725 PMID: 11573007

Li et al (1999) AMPA receptor-PDZ interactions in facilitation of spinal sensory synapses. Nat.Neurosci. 2 972 PMID: 10526335

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