

Adrenocorticotrophic Hormone (ACTH) (1-39), rat

Chemical Properties

CAS No. :	77465-10-2
Formula:	C210H315N57O57S
Molecular Weight:	4582.23
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>

SYSMEHFRWQKPVGKKRRPVKVPVNAENESAEAFPLEF

Biological Description

Description	Adrenocorticotrophic Hormone (ACTH) (1-39), rat, is a potent melanocortin 2 (MC2) receptor agonist. Peptide fragments of ACTH (1-39) were formed during in vitro incubation with membrane preparations, isolated by high-pressure liquid chromatography, and characterized by determining their amino acid composition and NH ₂ -terminal residue.
Targets(IC50)	Melanocortin Receptor

Solubility Information

Solubility	H ₂ O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2182 mL	1.0912 mL	2.1823 mL
5 mM	0.0436 mL	0.2182 mL	0.4365 mL
10 mM	0.0218 mL	0.1091 mL	0.2182 mL
50 mM	0.0044 mL	0.0218 mL	0.0436 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

Lisak RP, et al. Melanocortin receptor agonist ACTH 1-39 protects rat forebrain neurons from apoptotic, excitotoxic and inflammation-related damage. Exp Neurol. 2015 Nov;273:161-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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