

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

Chemical Properties

CAS No. :	77465-10-2
Formula:	C210H315N57O57S
Molecular Weight:	4582.23
Appearance:	no data available
Storage:	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year

YSMEHFRWGKPVGKKRRPVKVPVNAENESAEAFPLEF

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 of the peptide with membrane preparations. ACTH (1-39) were isolated by high pressure liquid chromatography, and peptide fragments of ACTH (1-39) characterized by determination of amino acid composition and NH ₂ - terminal residue.
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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.

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.

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