

1-39-Corticotropin (human)(TFA)

Chemical Properties

CAS No. :

Formula: C207H308N56O58S.C2HF3O2

Molecular Weight: 4655.16

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	Adrenocorticotrophic Hormone (ACTH) (1-39) human (TFA), a member of the melanocortin family, is a melanocortin receptor agonist that stimulates corticosteroid production by the adrenals; melanocortin receptors are also located in the central nervous system (CNS) and on immune cells.
Targets(IC50)	Melanocortin Receptor

Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2148 mL	1.0741 mL	2.1482 mL
5 mM	0.043 mL	0.2148 mL	0.4296 mL
10 mM	0.0215 mL	0.1074 mL	0.2148 mL
50 mM	0.0043 mL	0.0215 mL	0.043 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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