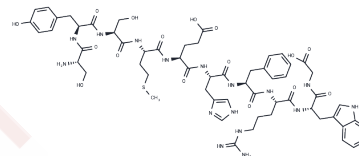


Adrenocorticotrophic Hormone (ACTH) (1-10), human

Chemical Properties

CAS No. :	2791-05-1
Formula:	C59H78N16O16S
Molecular Weight:	1299.41
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>



Biological Description

Description	Adrenocorticotrophic Hormone (ACTH) (1-10), human, is a fragment of adrenocorticotropin hormone. It demonstrates weak α -melanocyte stimulating hormone (α -MSH) potency, which is only apparent at high doses (100 and 1000 nM).
Targets(IC50)	Melanocortin Receptor

Solubility Information

Solubility	H2O: 1 mg/mL (0.77 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	0.7696 mL	3.8479 mL	7.6958 mL
5 mM	0.1539 mL	0.7696 mL	1.5392 mL
10 mM	0.077 mL	0.3848 mL	0.7696 mL
50 mM	0.0154 mL	0.077 mL	0.1539 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

Hirobe T, et al. ACTH(4-12) is the minimal message sequence required to induce the differentiation of mouse epidermal melanocytes in serum-free primary culture. J Exp Zool. 2000 May 1;286(6):632-40.

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