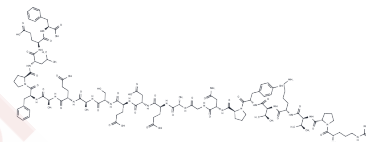


## Adrenocorticotrophic Hormone (ACTH) (18-39), human

## Chemical Properties

CAS No. :	53917-42-3
Formula:	C112H165N27O36
Molecular Weight:	2465.67
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) (18-39), also known as the Corticotropin-like Intermediate Lobe Peptide, stimulates insulin secretion as well as amylase and protein secretion in a dose-dependent manner similar to secretin and carbamylcholine.
Targets(IC50)	Endogenous Metabolite

## 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	0.4056 mL	2.0278 mL	4.0557 mL
5 mM	0.0811 mL	0.4056 mL	0.8111 mL
10 mM	0.0406 mL	0.2028 mL	0.4056 mL
50 mM	0.0081 mL	0.0406 mL	0.0811 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

Dores RM, et al. Analysis of ACTH-related and CLIP-related peptides partially purified from the pituitary of the Australian lungfish, *Neoceratodus forsteri*. *Gen Comp Endocrinol*. 1990 Jul;79(1):64-73.

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