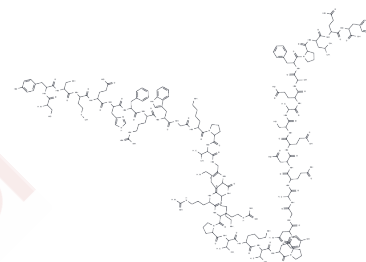


## ACTH (1-39) human

## Chemical Properties

CAS No. :	12279-41-3
Formula:	C207H308N56O58S
Molecular Weight:	4541.14
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) (1-39), human, is an agonist of the melanocortin receptor.
Targets(IC50)	Others,Melanocortin Receptor

## Solubility Information

Solubility	DMSO: 2.5 mM,Sonication is recommended. H2O: 75 mg/mL (16.52 mM) ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2202 mL	1.101 mL	2.2021 mL
5 mM	0.044 mL	0.2202 mL	0.4404 mL
10 mM	0.022 mL	0.1101 mL	0.2202 mL
50 mM	0.0044 mL	0.022 mL	0.044 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.

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