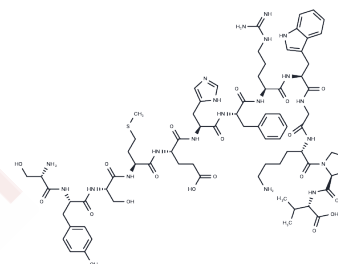


## ACTH (1-13)

## Chemical Properties

CAS No. :	22006-64-0
Formula:	C75H106N20O19S
Molecular Weight:	1623.83
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	ACTH (1-13) is a 13-aa peptide with cytoprotective effects in a model of ethanol-induced gastric lesions in rats. Adrenocorticotrophic hormone (ACTH), also known as corticotropin, is produced and secreted by the anterior pituitary gland and plays a critical role in the hypothalamic-pituitary-adrenal axis in response to biological stress.
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## 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	0.6158 mL	3.0791 mL	6.1583 mL
5 mM	0.1232 mL	0.6158 mL	1.2317 mL
10 mM	0.0616 mL	0.3079 mL	0.6158 mL
50 mM	0.0123 mL	0.0616 mL	0.1232 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

Mulabegović N, et al. Pharmacodynamic properties of a combination of met-enkephalin and alpha 1-13 adrenocorticotrophic hormone. Med Arh. 2008;62(1):41-4.

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