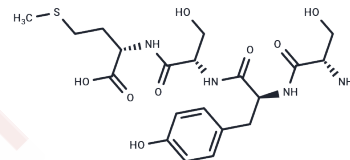


## Acth (1-4)

### Chemical Properties

CAS No. :	19405-50-6
Formula:	C <sub>20</sub> H <sub>30</sub> N <sub>4</sub> O <sub>8</sub> S
Molecular Weight:	486.54
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 (1-4) is the ACTH N-terminal tetrapeptide.
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### Solubility Information

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

	1mg	5mg	10mg
1 mM	2.0553 mL	10.2766 mL	20.5533 mL
5 mM	0.4111 mL	2.0553 mL	4.1107 mL
10 mM	0.2055 mL	1.0277 mL	2.0553 mL
50 mM	0.0411 mL	0.2055 mL	0.4111 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

- De Graan PN, Spruijt BM, Eberle AN, Girard J, Gispen WH. ACTH1-4 potentiates alpha-MSH-induced melanophore dispersion and excessive grooming. *Peptides*. 1986 Jan-Feb;7(1):1-4. PubMed PMID: 3012487.
- Volosin M, Cancela L, Molina V. Influence of adrenocorticotrophic hormone on the behaviour in the swim test of rats treated chronically with desipramine. *J Pharm Pharmacol*. 1988 Jan;40(1):74-6. PubMed PMID: 2896786.
- Neidle A, Reith ME. The degradation of adrenocorticotrophic hormone-(1-4) by mouse brain cytosol. *Arch Biochem Biophys*. 1980 Aug;203(1):288-95. PubMed PMID: 6250487.
- Miller LJ, Moore FL. Intracranial administration of corticotropin-like peptides increases incidence of amphibian reproductive behavior. *Peptides*. 1983 Sep-Oct;4(5):729-33. PubMed PMID: 6318203.

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