

Acth (1-4) acetate(19405-50-6 free base)

## Chemical Properties

CAS No. :

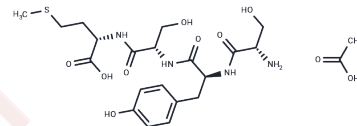
Formula: C22H34N4O10S

Molecular Weight: 546.59

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Acth (1-4) acetate is the ACTH N-terminal tetrapeptide.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 55 mg/mL (100.62 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	1.8295 mL	9.1476 mL	18.2952 mL
5 mM	0.3659 mL	1.8295 mL	3.659 mL
10 mM	0.183 mL	0.9148 mL	1.8295 mL
50 mM	0.0366 mL	0.183 mL	0.3659 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481