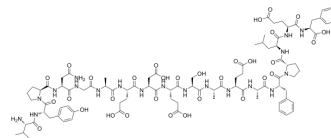


## ACTH (22-39)

Cat. No.:	HY-P1603
CAS No.:	37548-29-1
Molecular Formula:	C <sub>90</sub> H <sub>125</sub> N <sub>19</sub> O <sub>32</sub>
Molecular Weight:	1985.06
Sequence:	Val-Tyr-Pro-Asn-Gly-Ala-Glu-Asp-Glu-Ser-Ala-Glu-Ala-Phe-Pro-Leu-Glu-Phe
Sequence Shortening:	YYPNGAEDESAEAFPLEF
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture



Powder -80°C 2 years  
-20°C 1 year

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 50 mg/mL (25.19 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		0.5038 mL	2.5188 mL	5.0376 mL
	5 mM		0.1008 mL	0.5038 mL	1.0075 mL
	10 mM		0.0504 mL	0.2519 mL	0.5038 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

ACTH (22-39) is an adrenocorticotrophic hormone (ACTH) fragment. ACTH (22-39) is the 22-39 sequence of ACTH.

#### In Vitro

ACTH (22-39) contains two proline residues at positions 3 and 15 from the N-terminus<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. McMillen CL, et al. Negative Ion In-Source Decay Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry for Sequencing Acidic Peptides. J Am Soc Mass Spectrom. 2016 May;27(5):847-55.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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