

Adrenocorticotrophic Hormone (ACTH) (18-39), human TFA

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| Cat. No.: | HY-P1476A |
| CAS No.: | 73724-75-1 |
| Molecular Formula: | C ₁₁₄ H ₁₆₆ F ₃ N ₂₇ O ₃₈ |
| Molecular Weight: | 2579.69 |
| Sequence: | Arg-Pro-Val-Lys-Val-Tyr-Pro-Asn-Gly-Ala-Glu-Asp-Glu-Ser-Ala-Glu-Ala-Phe-Pro-Leu-Glu-Phe RPVKVYPNGAEDESAEAFPLEF (TFA salt) |
| Sequence Shortening: | RPVKVYPNGAEDESAEAFPLEF |
| 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

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|---|---|---|------|-----------|-----------|-----------|
| In Vitro | H ₂ O : 100 mg/mL (38.76 mM; Need ultrasonic) | | | | | |
| | Preparing Stock Solutions | <div><div>Solvent</div><div>Concentration</div></div> | Mass | 1 mg | 5 mg | 10 mg |
| | | 1 mM | | 0.3876 mL | 1.9382 mL | 3.8764 mL |
| | | 5 mM | | 0.0775 mL | 0.3876 mL | 0.7753 mL |
| | | 10 mM | | 0.0388 mL | 0.1938 mL | 0.3876 mL |
| Please refer to the solubility information to select the appropriate solvent. | | | | | | |
| In Vivo | 1. Add each solvent one by one: PBS Solubility: 50 mg/mL (19.38 mM); Clear solution; Need ultrasonic | | | | | |

BIOLOGICAL ACTIVITY

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| Description | Adrenocorticotrophic Hormone (ACTH) (18-39), human TFA is a corticotropinlike intermediate lobe peptide, which is produced in the melanotrophs of the intermediate lobe of the pituitary ^[1] . |
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REFERENCES

[1]. Does RM, et al. Analysis of ACTH-related and CLIP-related peptides partially purified from the pituitary of the Australian lungfish, *Neoceratodus forsteri*. Gen Comp Endocrinol. 1990 Jul;79(1):64-73.

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

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