

Acetyl-(D-Arg2)-GRF (1-29) amide (human)

| | | |
|-----------------------------|--|--|
| Cat. No.: | HY-P4750 | |
| CAS No.: | 93942-91-7 | |
| Molecular Formula: | C ₁₅₄ H ₂₅₅ N ₄₇ O ₄₃ S | |
| Molecular Weight: | 3485.03 | Ac-Y-(d-Arg)-DAIFTNSYRKVLGQLSARKLLQDIMSR-NH2 |
| Sequence: | Ac-Tyr-{d-Arg}-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-NH2 | |
| Sequence Shortening: | Ac-Y-{d-Arg}-DAIFTNSYRKVLGQLSARKLLQDIMSR-NH2 | |
| Target: | Others | |
| Pathway: | Others | |
| Storage: | Sealed storage, away from moisture and light, under nitrogen | |
| | Powder | -80°C 2 years -20°C 1 year |
| | * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen) | |

SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (14.35 mM; Need ultrasonic)

| Concentration | Mass | | |
|---------------|-----------|-----------|-----------|
| | 1 mg | 5 mg | 10 mg |
| 1 mM | 0.2869 mL | 1.4347 mL | 2.8694 mL |
| 5 mM | 0.0574 mL | 0.2869 mL | 0.5739 mL |
| 10 mM | 0.0287 mL | 0.1435 mL | 0.2869 mL |

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

BIOLOGICAL ACTIVITY

Description

Acetyl-(D-Arg2)-GRF (1-29) amide (human) is an antagonist of growth hormone releasing factor (GRF). Acetyl-(D-Arg2)-GRF (1-29) amide (human) inhibits the release of growth hormone (GH) and can be used for endocrine research^[1].

IC₅₀ & Target

Growth hormone releasing factor, GRF; Growth hormone, GH^[1]

REFERENCES

[1]. Lumpkin MD, et al. Blockade of growth hormone-releasing factor (GRF) activity in the pituitary and hypothalamus of the conscious rat with a peptidic GRF antagonist. *Endocrinology*. 1989 Mar;124(3):1522-31.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA