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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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α-Helical CRF(9-41) TFA

| | | |
|-----------------------------|---|---|
| Cat. No.: | HY-P1294A | |
| Molecular Formula: | C ₁₆₈ H ₂₇₅ F ₃ N ₄₆ O ₅₅ S ₂ | |
| Molecular Weight: | 3940 | |
| Sequence: | Asp-Leu-Thr-Phe-His-Leu-Leu-Arg-Glu-Met-Leu-Glu-Met-Ala-Lys-Ala-Glu-Gln-Glu-Ala-Glu-Gln-Ala-Ala-Leu-Asn-Arg-Leu-Leu-Leu-Glu-Glu-Ala-NH ₂ | Asp-Leu-Thr-Phe-His-Leu-Leu-Arg-Glu-Met-Leu-Glu-Met-Ala-Lys-Ala-Glu-Gln-Glu-Ala-Glu-Gln-Ala-Ala-Leu-Asn-Arg-Leu-Leu-Leu-Glu-Glu-Ala-NH ₂ |
| Sequence Shortening: | DLTFHLLREMLEMAKAEQAEQAALNRLLEEA-NH ₂ | |
| Target: | CRFR | |
| Pathway: | GPCR/G Protein | |
| 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 H₂O : 1.82 mg/mL (0.46 mM; ultrasonic and adjust pH to 3 with HCl)

BIOLOGICAL ACTIVITY

Description α-Helical CRF(9-41) TFA is a competitive CRF2 receptor antagonist with K_B of ~100 nM. α-Helical CRF(9-41) TFA is also a partial agonist of CRF1 receptor with an EC₅₀ of 140 nM^{[1][2]}.

| | | |
|-------------------------------------|-------|-------|
| IC₅₀ & Target | CRFR1 | CRFR2 |
|-------------------------------------|-------|-------|

REFERENCES

- [1]. Sonia Tucci, et al. Corticotropin releasing factor antagonist, alpha-helical CRF(9-41), reverses nicotine-induced conditioned, but not unconditioned, anxiety. *Psychopharmacology (Berl)*. 2003 May;167(3):251-6.
- [2]. Smart D, et al. Characterisation using microphysiometry of CRF receptor pharmacology. *Eur J Pharmacol*. 1999 Aug 27;379(2-3):229-35.

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

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