

Stressin I

Cat. No.:	HY-P1368
Molecular Formula:	C ₂₀₃ H ₃₃₇ N ₅₇ O ₅₆
Molecular Weight:	4472.2
Sequence:	Ac-Pro-Pro-Ile-Ser-Leu-Asp-Leu-Thr-{d-Phe}-His-Leu-Leu-Arg-Glu-Val-Leu-Glu-Nle-Ala-Arg-Ala-Glu-Gln-Leu-Ala-Gln-Gln-Glu-His-Ser-Lys-Arg-Lys-Leu-Nle-Glu-Ile-Ile-NH ₂ (Covalent bond: Glu28-Lys31)
Sequence Shortening:	Ac-PPISLDLT-{d-Phe}-HLLREVLE-{Nle}-ARAEQLAQEQEHSKRKLXEII-NH ₂ (Covalent bond : Glu28-Lys31)
Target:	CRFR
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Stressin I (Cyclo(31-34)[DPhe ₁₂ ,Nle _{21,38} ,Glu ₃₁ ,Lys ₃₄]Ac-hCRF(4-41)) is a potent CRF1 receptor-selective agonist with a K _i of 1.7 nM. Stressin I induces increases in adrenocorticotrophic hormone (ACTH) levels in rats ^[1] .
IC ₅₀ & Target	Ki: 1.7 nM (CRF1), 222 nM (CRF2) ^[1]

REFERENCES

[1]. Rivier J, et al. Stressin1-A, a potent corticotropin releasing factor receptor 1 (CRF1)-selective peptide agonist. J Med Chem. 2007 Apr 5;50(7):1668-74.

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

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