

## Stressin I TFA

<b>Cat. No.:</b>	HY-P1368A
<b>Molecular Formula:</b>	$C_{203}H_{337}N_{57}O_{56} \cdot xC_2HF_3O_2$
<b>Sequence:</b>	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 <sub>2</sub> (Covalent bond: Glu28-Lys31) <small>Ac-PPISLDLT-(d-Phe)-HLLREVLE-(Nle)-ARAEQLAQQEHSKRKLXEII-NH<sub>2</sub> (Covalent bond: Glu28-Lys31)</small>
<b>Sequence Shortening:</b>	Ac-PPISLDLT-{d-Phe}-HLLREVLE-{Nle}-ARAEQLAQQEHSKRKLXEII-NH <sub>2</sub> (Covalent bond : Glu28-Lys31)
<b>Target:</b>	CRFR
<b>Pathway:</b>	GPCR/G Protein
<b>Storage:</b>	Sealed storage, away from moisture and light 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)

### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 1.98 mg/mL (ultrasonic and adjust pH to 3 with HCl)
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### BIOLOGICAL ACTIVITY

<b>Description</b>	Stressin I (Cyclo(31-34)[DPhe12,Nle21,38,Glu31,Lys34]Ac-hCRF(4-41)) TFA is a potent CRF1 receptor selective agonist, K <sub>i</sub> is 1.7 nM. Stressin I induces an increase in adrenocorticotrophic hormone (ACTH) levels in rats <sup>[1][1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	CRF1

### 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. [Content Brief]

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

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