

Astressin 2B TFA

Cat. No.:	HY-P1108A
Molecular Formula:	$C_{183}H_{307}N_{49}O_{53} \cdot xC_2HF_3O_2$
Sequence:	Ac-Asp-Leu-Ser-{d-Phe}-His-{a-methyl-Leu}-Leu-Arg-Lys-{Nle}-Ile-Glu-Ile-Glu-Lys-Gln-Glu-Lys-Glu-Lys-Gln-Gln-Ala-{g-Glu}-Asn-Asn-Leu-Leu-Leu-Asp-{a-methyl-Leu}-Ile-NH2 (Lactam bridge: Glu24-Lys27)
Sequence Shortening:	Ac-Asp-LS-{d-Phe}-H-{a-methyl-Leu}-LRK-{Nle}-IEIEKQEKEKQQA-{g-Glu}-NNKLLLD-{a-methyl-Leu}-I-NH2 (Lactam bridge:Glu24-Lys27)
Target:	CFTR
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Ac-Asp-LS-(d-Phe)-H-(a-methyl-Leu)-LRK-(Nle)-IEIEKQEKEKQQA-(g-Glu)-NNKLLLD-(a-methyl-Leu)-I-NH2 (Lactam bridge:Glu24-Lys27) (TFA salt)

BIOLOGICAL ACTIVITY

Description

Astressin 2B TFA is a potent and selective corticotropin-releasing factor receptor 2 (CRF2) antagonist, with the IC_{50} values of 1.3 nM and > 500 nM for CRF2 and CRF1, respectively. Astressin 2B TFA antagonizes CRF2-mediated inhibition of gastric emptying^{[1][2][3]}.

REFERENCES

- [1]. Rivier J, et al. Potent and long-acting corticotropin releasing factor (CRF) receptor 2 selective peptide competitive antagonists. *J Med Chem.* 2002;45(21):4737-4747.
- [2]. Henry B, et al. The effect of lateral septum corticotropin-releasing factor receptor 2 activation on anxiety is modulated by stress. *J Neurosci.* 2006;26(36):9142-9152.
- [3]. Hoare SR, et al. Peptide ligand binding properties of the corticotropin-releasing factor (CRF) type 2 receptor: pharmacology of endogenously expressed receptors, G-protein-coupling sensitivity and determinants of CRF2 receptor selectivity. *Peptides.* 2005;26(3):457-470.

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

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