

Astressin 2B

Cat. No.:	HY-P1108
CAS No.:	681260-70-8
Molecular Formula:	C ₁₈₃ H ₃₀₇ N ₄₉ O ₅₃
Molecular Weight:	4041.69
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-NH 2 (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.

BIOLOGICAL ACTIVITY

Description

Astressin 2B is a potent and selective corticotropin-releasing factor receptor 2 (CRF2) antagonist, with the IC₅₀ values of 1.3 nM and > 500 nM for CRF2 and CRF1, respectively. Astressin 2B 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.

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