

Proadrenomedullin (N-20) (bovine, porcine)

Cat. No.:	HY-P5876
Molecular Formula:	C ₁₁₂ H ₁₇₈ N ₃₆ O ₂₆
Molecular Weight:	2444.84
Sequence:	Ala-Arg-Leu-Asp-Val-Ala-Ala-Glu-Phe-Arg-Lys-Lys-Trp-Asn-Lys-Trp-Ala-Leu-Ser-Arg-NH ₂
Sequence Shortening:	ARLDVAAEFRKKWNKWALSR-NH ₂
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Proadrenomedullin (N-20) (ProADM N20) (bovine, porcine) is a potent and noncompetitive hypotensive and catecholamine release-inhibitory peptide released from chromaffin cells. Proadrenomedullin (N-20) (bovine, porcine) inhibits catecholamine secretion with an IC ₅₀ of 350 nM in PC12 pheochromocytoma cells. Proadrenomedullin (N-20) (bovine, porcine) also blocks (EC ₅₀ ~270 nM) nicotinic cholinergic agonist desensitization of catecholamine release, as well as desensitization of nicotinic signal transduction (²² Na ⁺ uptake) ^[1] .
IC ₅₀ & Target	IC ₅₀ : 350 nM (catecholamine secretion) ^[1]

REFERENCES

[1]. Mahata M, et al. Proadrenomedullin N-terminal 20 peptide: minimal active region to regulate nicotinic receptors. Hypertension. 1998 Nov;32(5):907-16.

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

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