(D-Pro2,D-Trp6,8,Nle10)-Neurokinin B

Cat. No.:	HY-P3850
CAS No.:	109212-72-8
Molecular Formula:	$C_{67}H_{87}N_{15}O_{14}$
Molecular Weight:	1326.5
Sequence Shortening:	D-{D-Pro}-HDF-{D-Trp}-V-{D-Trp}-L-{Nle}-NH2
Target:	Neurokinin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	(D-Pro2,D-Trp6,8,Nle10)-Neurokinin B is a competitive antagonist of Neurokinin B (Neurokinin Receptor) with a pA2 of 5.5. (D-Pro2,D-Trp6,8,Nle10)-Neurokinin B shows no influence on Substance P or Neurokinin A[1].
In Vivo	(D-Pro2,D-Trp6,8,Nle10)-Neurokinin B (1 mg/kg i.v.) significantly reduces Substance P- and Neurokinin B- but not acetylcholine- or Neurokinin A-induced salivation. (D-Pro2,D-Trp6,8,Nle10)-Neurokinin B lowers blood pressure in anesthetized rats by 35 to 40%[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. H I Jacoby, et al. Differentiation of multiple neurokinin receptors in the guinea pig ileum. Life Sci. 1986 Nov 24;39(21):1995-2003.

[2]. C W Murray, et al. Neurokinin-induced salivation in the anesthetized rat: a three receptor hypothesis. J Pharmacol Exp Ther. 1987 Aug;242(2):500-6.

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