

Locustatachykinin I

Cat. No.:	HY-P1183
CAS No.:	126985-97-5
Molecular Formula:	C ₄₃ H ₆₃ N ₁₃ O ₁₁
Molecular Weight:	938.04
Sequence Shortening:	GPSGFYGVN-NH ₂
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen
	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, under nitrogen)

BIOLOGICAL ACTIVITY

Description

Locustatachykinin I is an insect tachykinin-related peptide isolated from *Locusta migratoria*. Locustatachykinin I exhibits sequence homologies with the vertebrate tachykinins. In *Lacania*, Locustatachykinin I is also a substrate for a deamidase [1][2].

REFERENCES

- [1]. L Schoofs, et al. Locustatachykinin I and II, two novel insect neuropeptides with homology to peptides of the vertebrate tachykinin family. *FEBS Lett.* 1990 Feb 26;261(2):397-401.
- [2]. R Elwyn Isaac, et al. Inactivation of a tachykinin-related peptide: identification of four neuropeptide-degrading enzymes in neuronal membranes of insects from four different orders. *Peptides.* 2002 Apr;23(4):725-33.

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

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