

## Locustatachykinin I TFA

Cat. No.:	HY-P1183A
Molecular Formula:	C <sub>45</sub> H <sub>64</sub> F <sub>3</sub> N <sub>13</sub> O <sub>13</sub>
Molecular Weight:	1052.06
Sequence Shortening:	GPSGFYGVN-NH <sub>2</sub>
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.

### BIOLOGICAL ACTIVITY

#### Description

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

### 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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