

Kassinin

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| Cat. No.: | HY-P0250 |
| CAS No.: | 63968-82-1 |
| Molecular Formula: | C ₅₉ H ₉₅ N ₁₅ O ₁₈ S |
| Molecular Weight: | 1334.54 |
| Sequence: | Asp-Val-Pro-Lys-Ser-Asp-Gln-Phe-Val-Gly-Leu-Met-NH ₂ |
| Sequence Shortening: | DVPKSDQFVGLM-NH ₂ |
| 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

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| Description | Kassinin is a peptide derived from the Kassina frog. It belongs to tachykinin family of neuropeptides. It is secreted as a defense response, and is involved in neuropeptide signalling. |
| In Vitro | Amino acid composition and sequence of Kassinin, a tachykinin dodecapeptide from the skin of the African frog <i>Kassina senegalensis</i> . Methanol extracts of the skin of the African amphibian <i>Kassina senegalensis</i> contain a dodecapeptide, Kassinin, belonging to the family of tachykinins or physalaemin-like peptides. Kassinin, like all other natural tachykinins, possesses the characteristic C-terminal tripeptide Gly-Leu-Met-NH ₂ and a phenylalanine residue in position 5 from the C-terminus. The amino acid sequence in the N-moiety of the molecule differs sharply from that of the other tachykinins ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Anastasi A, et al. Amino acid composition and sequence of kassinin, a tachykinin dodecapeptide from the skin of the African frog *Kassina senegalensis*. *Experientia*. 1977 Jul 15;33(7):857-8.

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

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