

Kassinin

Chemical Properties

CAS No.:	63968-82-1
Formula:	C ₅₉ H ₉₅ N ₁₅ O ₁₈ S
Molecular Weight:	1334.54
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Kassinin is a peptide derived from the Kassina frog. It belongs to tachykinin family of neuropeptides.
In vitro	Amino acid composition and sequence of Kassinin, a tachykinin dodecapeptide from the skin of the African frog <i>Kassi senegalensis</i> . Methanol extracts of the skin of the African amphibian <i>Kassi senegalensis</i> contain a dodecapeptide, Kassinin, belonging to the family of tachykinins or physalaemin-like peptides. Kassinin, like all other tural 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].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.749 mL	3.747 mL	7.493 mL
5 mM	0.15 mL	0.749 mL	1.499 mL
10 mM	0.075 mL	0.375 mL	0.749 mL
50 mM	0.015 mL	0.075 mL	0.15 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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.

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