

Kassinin acetate(63968-82-1 free base)

## Chemical Properties

CAS No. :

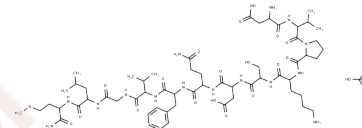
Formula: C61H99N15O20S

Molecular Weight: 1394.59

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Kassinin acetate is a peptide derived from the Kassina frog. It belongs to tachykinin family of neuropeptides.
Targets(IC50)	Neurokinin receptor
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 <sub>2</sub> 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	DMSO: Insoluble, H <sub>2</sub> O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	0.7171 mL	3.5853 mL	7.1706 mL
5 mM	0.1434 mL	0.7171 mL	1.4341 mL
10 mM	0.0717 mL	0.3585 mL	0.7171 mL
50 mM	0.0143 mL	0.0717 mL	0.1434 mL

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Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

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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