Product Data Sheet

Product Name: Kassinin
Cat. No.: GC31145

Chemical Properties

Cas. No.	63968-82-1		
SMILES	Asp-Val-Pro-Lys-Ser-Asp-Gln-Phe-Val-Gly-Leu-Met-NH2		
Formula	$C_{59}H_{95}N_{15}O_{18}S$	M.Wt	1334.54
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	Kassinin		

Background

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.

Amino acid composition and sequence of Kassinin, a tachykinin dodecapeptide from the skin of the African frog Kassina senegalensis. Methanol extracts of the skin of the African amphibian Kassina senegalensis 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-NH2 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].

[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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