



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Substance P acetate

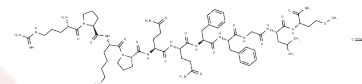
Chemical Properties

CAS No. :

Formula: C₆₅H₁₀₂N₁₈O₁₅S

Molecular Weight: 1407.68

Appearance: no data available

Storage: keep away from moisture, store at low temperature
store at -20°C

Biological Description

Description	Substance P acetate is a peptide mainly secreted by neurons and is involved in many biological processes including nociception and inflammation. Substance P acetate is a neuroinflammatory factor that can act as a neurotransmitter and neuromodulator in the central nervous system and can be used to study cardiovascular and neurological diseases.
Targets(IC50)	Others
In vitro	Desensitization and resensitization of Substance P (SP) mediated by the neurokinin 1 receptor (NK1-R) may be related to endocytosis and recycling of NK1-R. SP is intact at the cell surface and in early nuclear endosomes but is slowly degraded in perinuclear vesicles. substance P acetate induces lattice protein-dependent internalization of the NK1-R. SP/ NK1-R complex dissociates in acidified nuclear endosomes, SP is degraded, and NK1-R is recycled to the cell surface. Substance P acetate induces internalization of NK1-R in transfected epithelial cells. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7104 mL	3.5519 mL	7.1039 mL
5 mM	0.1421 mL	0.7104 mL	1.4208 mL
10 mM	0.071 mL	0.3552 mL	0.7104 mL
50 mM	0.0142 mL	0.071 mL	0.1421 mL

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.

Reference

Grady EF, et al. Delineation of the endocytic pathway of substance P and its seven-transmembrane domain NK1 receptor. Mol Biol Cell. 1995 May;6(5):509-24.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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