Data Sheet (Cat.No.TP1932)

TargetMol
YOUR TARGET MOLECULES

[D-Trp7,9,10]-Substance P

Chemical Properties

CAS No. : 89430-38-6

Formula: C79H105N21O13S

Molecular Weight: 1588.89

RPKPQQWFWWM-NH_2

Appearance: no data available

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

Biological Description

Description	Substance P analog that inhibits activation of Gq/11 by M1 muscarinic ACh receptors. Does not inhibit Gi/o activation by M2 ACh receptors.

Solubility Information

Solubility	H2O: 1 mg/mL, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6294 mL	3.1469 mL	6.2937 mL
5 mM	0.1259 mL	0.6294 mL	1.2587 mL
10 mM	0.0629 mL	0.3147 mL	0.6294 mL
50 mM	0.0126 mL	0.0629 mL	0.1259 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

Mukai et al (1992) G protein antagonists. A novel hydrophobic peptide competes with receptor for G protein binding. J.Biol.Chem. 267 16237 PMID:

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