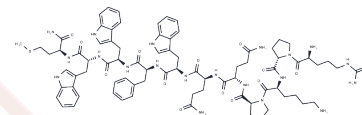


## [D-Trp7,9,10]-Substance P

## Chemical Properties

CAS No. :	89430-38-6
Formula:	C79H105N21O13S
Molecular Weight:	1588.89
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## 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.
Targets(IC50)	AChR

## Solubility Information

Solubility	H2O: 1 mg/mL (0.63 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## 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.

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

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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