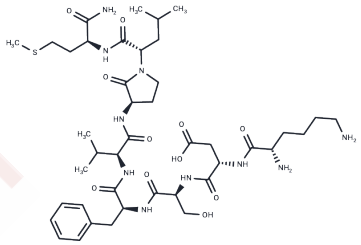
Data Sheet (Cat.No.TP2023)

TargetMol

GR 64349

Chemical Properties



CAS No. : 137593-52-3

Formula: C42H68N10O11S

Molecular Weight: 921.12

Storage: Keep away from moisture
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	Potent and selective tachykinin NK2 receptor agonist (EC50 = 3.7 nM in rat colon). Displays > 1000- and > 300-fold selectivity over NK1 and NK3 receptors respectively. Active in vivo.
Targets(IC50)	Neurokinin receptor

Solubility Information

Solubility	H2O: 1 mg/mL (1.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0856 mL	5.4282 mL	10.8563 mL
5 mM	0.2171 mL	1.0856 mL	2.1713 mL
10 mM	0.1086 mL	0.5428 mL	1.0856 mL
50 mM	0.0217 mL	0.1086 mL	0.2171 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

Chang et al (2000) Tachykinin receptor subtypes in the isolated guinea pig heart and their role in mediating responses to neurokinin A. J.Pharmacol.Exp.Ther. 294 147 PMID:
Chizh et al (1995) Endogenous modulation of excitatory amino acid responsiveness by tachykinin NK1 and NK2 receptors in the rat spinal cord. Br.J.Pharmacol. 115 1013 PMID:
Deal et al (1992) Conformationally constrained tachykinin analogues: potent and highly selective neurokinin NK-2 receptor agonists. J.Med.Chem. 35 4195 PMID:

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