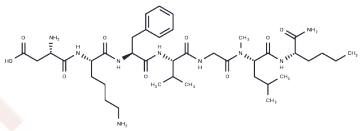
Data Sheet (Cat.No.TP1883)

TargetMol

[Lys5,MeLeu9,Nle10]-NKA(4-10)

Chemical Properties



CAS No. : 137565-28-7

Formula: C39H65N9O9

Molecular Weight: 803.99

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	Highy selective and potent NK2 receptor agonist (IC50 = 6.1 nM). Induces contraction of the rat fundus and bladder (EC50 values are 117 and 10 nM respectively).
Targets(IC50)	Neurokinin receptor

Solubility Information

Solubility	H2O: 1 mg/mL (1.24 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2438 mL	6.219 mL	12.438 mL
5 mM	0.2488 mL	1.2438 mL	2.4876 mL
10 mM	0.1244 mL	0.6219 mL	1.2438 mL
50 mM	0.0249 mL	0.1244 mL	0.2488 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

Chassaing et al (1991) Selective agonists of NK-2 binding sites highly active on rat portal vein (NK-3 bioassay). Neuropeptides 19 91 PMID:
Matuszek et al (1998) An investigation of tachykinin NK2 receptor subtypes in the rat. Eur.J.Pharmacol. 352 103 PMID:
Burcher et al (2008) Tachykinin NK2 receptor and functional mechanisms in human colon: changes with indomet. and in diverticular disease and ulcerative colitis. J.Pharmacol.Exp.Ther. 324 170 PMID:

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