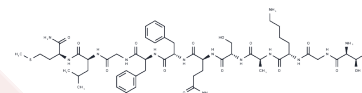


Hemokinin 1, human

Chemical Properties

CAS No. :	491851-53-7
Formula:	C54H84N14O14S
Molecular Weight:	1185.4
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	Endogenous substance P homolog that is a selective agonist at the tachykinin NK1 receptor (IC50 values are 1.8, 370 and 480 nM for NK1, NK3 and NK2 receptors respectively). Has proliferative and antiapoptotic actions on B-cells in vitro and is antihypertensive in vivo.
Targets(IC50)	Neurokinin receptor

Solubility Information

Solubility	H2O: 0.7 mg/mL (0.59 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	0.8436 mL	4.218 mL	8.436 mL
5 mM	0.1687 mL	0.8436 mL	1.6872 mL
10 mM	0.0844 mL	0.4218 mL	0.8436 mL
50 mM	0.0169 mL	0.0844 mL	0.1687 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

Bellucci et al (2002) Pharmacological profile of the novel mammalian tachykinin hemokinin 1. Br.J.Pharmacol. 135 266 PMID:

Kurtz et al (2002) Identification, localization and receptor characterization of novel mammalian substance P-like peptides. Gene 296 205 PMID:

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