

## Hemokinin 1 (human) acetate(491851-53-7 free base)

## Chemical Properties

CAS No. :

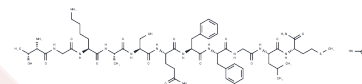
Formula: C<sub>56</sub>H<sub>88</sub>N<sub>14</sub>O<sub>16</sub>S

Molecular Weight: 1245.45

Keep away from moisture

Storage: 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	Hemokinin 1 (human) acetate is an endogenous substance P homolog that is a selective agonist at the tachykinin NK1 receptor (IC <sub>50</sub> 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(IC <sub>50</sub> )	Neurokinin receptor

## Solubility Information

Solubility	H <sub>2</sub> O: 10 mg/mL (8.03 mM), Sonication is recommended. DMSO: Insoluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8029 mL	4.0146 mL	8.0292 mL
5 mM	0.1606 mL	0.8029 mL	1.6058 mL
10 mM	0.0803 mL	0.4015 mL	0.8029 mL
50 mM	0.0161 mL	0.0803 mL	0.1606 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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