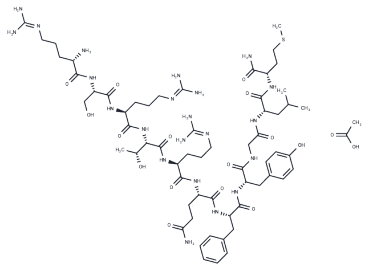
Data Sheet (Cat.No.TP1772L)

TargetMol
YOUR TARGET MOLECULES

Hemokinin 1 (mouse) acetate(208041-90-1 free base)

Chemical Properties



CAS No. : TP1772L

Formula: C63H104N22O17S

Molecular Weight: 1473.72

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Hemokinin 1 (mouse) acetate is a selective excitogen 1 receptor agonist with a Ki value of 0.175 nM for the human NK1 receptor and 560 nM for the human NK2 receptor.
Targets(IC50)	Neurokinin receptor
In vitro	Hemokinin 1 (mouse) (1?nM-3?μM) produces concentration-dependent contraction of RUB averaging 66±3% (n=6) of the maximal contraction produced by KCl (80?mM). Hemokinin 1 (mouse) (10?nM-10?μM) induces a quickly-developing contractile responses of GPI, as does the tachykinin NK3 receptor selective agonist senktide or neurokinin B (NKB). Hemokinin 1 (mouse) induces full agonist responses but with a 500 fold lower potency as compared to NKB[1].
In vivo	Hemokinin 1 (mouse) (0.01-100?nmol/kg i.v., n=10) induces a dose-related hypotension that is maximal at the dose of 10?nmol/kg. For systolic blood pressure (SBP), the ED50 value is 0.2?nmol/kg (0.1-0.4?nmol/kg) for Hemokinin 1 (mouse). For diastolic blood pressure (DBP), the ED50 value is 0.1?nmol/kg (0.07-0.2?nmol/kg) for Hemokinin 1 (mouse). Hemokinin 1 (mouse) (0.1-100?nmol/kg, i.v.) induces a dose-related salivary secretion in atropine-pretreated rats[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6786 mL	3.3928 mL	6.7855 mL
5 mM	0.1357 mL	0.6786 mL	1.3571 mL
10 mM	0.0679 mL	0.3393 mL	0.6786 mL
50 mM	0.0136 mL	0.0679 mL	0.1357 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.

Reference

Francesca Bellucci, et al. Pharmacological profile of the novel mammalian tachykinin, hemokinin 1. Br J Pharmacol. 2002 Jan; 135(1): 266-274

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