

Hemopressin (human, mouse)

Chemical Properties

CAS No.:	1314035-51-2
Formula:	C ₅₀ H ₇₉ N ₁₃ O ₁₂
Molecular Weight:	1054.26
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Bioactive endogenous peptide substrate for endopeptidase 24.15 (ep24.15), neurolysin (ep24.16) and ACE. Ki values are 27.76, 3.43 and 1.87 μ M respectively. Potent hypotensive in vivo. Also acts as a selective CB1 receptor inverse agonist. Displays antinociceptive activity in vivo.
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Solubility Information

Solubility	water: 1 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.949 mL	4.743 mL	9.485 mL
5 mM	0.19 mL	0.949 mL	1.897 mL
10 mM	0.095 mL	0.474 mL	0.949 mL
50 mM	0.019 mL	0.095 mL	0.19 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Rioli et al (2003) Novel natural peptide substrates for endopeptidase 24.15, neurolysin, and angiotensin-converting enzyme. J.Biol.Chem. 278 8547 PMID:
2. Blais et al (2005) Hypotensive effects of hemopressin and bradykinin in rabbits, rats and mice. A comparative study. Peptides 26 1317 PMID:

Inhibitors · Natural Compounds · Compound Libraries

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