

## Hemopressin (rat) acetate(568588-77-2 free base)

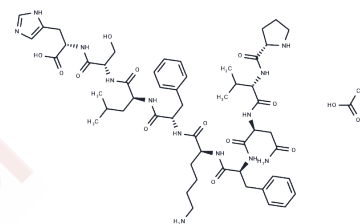
### Chemical Properties

CAS No. :

Formula: C<sub>5</sub>H<sub>8</sub>1N<sub>13</sub>O<sub>14</sub>

Molecular Weight: 1148.31

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	Hemopressin (rat) acetate is a nonapeptide derived from the $\alpha$ 1-chain of hemoglobin, is originally isolated from rat brain homogenates. Hemopressin is orally active, selective and inverse agonist of CB2 cannabinoid receptors. Hemopressin exerts antinociceptive action in inflammatory pain models.
Targets(IC50)	Cannabinoid Receptor

### Solubility Information

Solubility	DMSO: Insoluble, H <sub>2</sub> O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---------------------------------------------------------------------------------------------------------------------

#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8708 mL	4.3542 mL	8.7084 mL
5 mM	0.1742 mL	0.8708 mL	1.7417 mL
10 mM	0.0871 mL	0.4354 mL	0.8708 mL
50 mM	0.0174 mL	0.0871 mL	0.1742 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

Heimann et al (2007) Hemopressin is an inverse agonist of CB1 cannabinoid receptors. Proc.Natl.Acad.Sci.U.S.A. 104 20588 PMID:

Rioli et al (2003) Novel natural peptide substrates for endopeptidase 24.15, neurolysin, and angiotensin-converting enzyme. J.Biol.Chem. 278 8547 PMID:

Todd et al (2010) The peptide hemopressin acts through CB1 cannabinoid receptors to reduce food intake in rats and mice. J.Neurosci. 30 7369 PMID:

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481