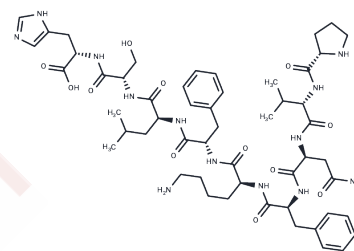


## Hemopressin(rat)

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 568588-77-2   |
| Formula:          | C53H77N13O12  |
| Molecular Weight: | 1088.27   |
| Storage:          | Keep away from moisture<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |



## Biological Description

|               |  |
|---------------|--|
| Description   | Hemopressin(rat) is a bioactive endogenous peptide substrate for endopeptidase 24.15, neurolysin and ACE. Ki values are 27.76, 3.43 and 1.87 $\mu\text{M}$ respectively. |
| Targets(IC50) | Cannabinoid Receptor   |

## Solubility Information

|            |   |
|------------|---|
| Solubility | 20% acetonitrile: 2 mg/mL (1.84 mM), Sonication is recommended.<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.9189 mL | 4.5944 mL | 9.1889 mL |
| 5 mM  | 0.1838 mL | 0.9189 mL | 1.8378 mL |
| 10 mM | 0.0919 mL | 0.4594 mL | 0.9189 mL |
| 50 mM | 0.0184 mL | 0.0919 mL | 0.1838 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:

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