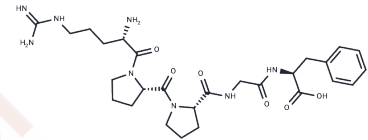


## Bradykinin (1-5)

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 23815-89-6  |
| Formula:          | C <sub>27</sub> H <sub>40</sub> N <sub>8</sub> O <sub>6</sub>   |
| Molecular Weight: | 572.66  |
| 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   | Bradykinin (1-5) is the major stable metabolite of bradykinin, formed by the proteolytic catalysis of angiotensin-converting enzyme. Bradykinin (1-5) can inhibit platelet aggregation induced by $\alpha$ -thrombin and $\gamma$ -thrombin. |
| Targets(IC50) | Drug Metabolite,Thrombin   |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 80 mg/mL (139.7 mM),Sonication is recommended.<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.7462 mL | 8.7312 mL | 17.4624 mL |
| 5 mM  | 0.3492 mL | 1.7462 mL | 3.4925 mL  |
| 10 mM | 0.1746 mL | 0.8731 mL | 1.7462 mL  |
| 50 mM | 0.0349 mL | 0.1746 mL | 0.3492 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

Murphey LJ, et al. Bradykinin and its metabolite Bradykinin 1-5 inhibit thrombin-induced platelet aggregation in humans. J Pharmacol Exp Ther. 2006 Sep;318(3):1287-92.

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