

## b-Casomorphin (1-3) Acetate

## Chemical Properties

CAS No. :

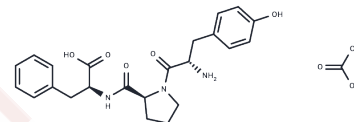
Formula: C25H31N3O7

Molecular Weight: 485.53

Keep away from moisture

Storage: 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   | b-Casomorphin (1-3) Acetate is a tri-peptide with an opioid effect. |
| Targets(IC50) | Opioid Receptor   |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 55 mg/mL (113.28 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 2.0596 mL | 10.298 mL | 20.596 mL |
| 5 mM  | 0.4119 mL | 2.0596 mL | 4.1192 mL |
| 10 mM | 0.206 mL  | 1.0298 mL | 2.0596 mL |
| 50 mM | 0.0412 mL | 0.206 mL  | 0.4119 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

Jinsmaa Y, Yoshikawa M, 1999; "Enzymatic release of neocasomorphin and beta-casomorphin from bovine beta-casein"; Peptides 20:957-962

Kurek M, Przybilla B, Hermann K, Ring J (1992). "A naturally occurring opioid peptide from cow's milk, beta-casomorphine-7, is a direct histamine releaser in man". Int Arch Allergy Immunol 97 (2): 115-120.g.

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