

## Obestatin (rat) acetate

## Chemical Properties

CAS No. :

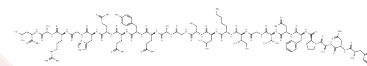
Formula: C114H174N34O31

Molecular Weight: 2516.81

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   | Obestatin (rat) acetate is an endogenous ligand of G-protein coupled receptor 39 (GPR39). Obestatin (rat) acetate has anti-inflammatory, anti-myocardial infarction and antioxidant properties. Obestatin (rat) acetate suppresses food intake, inhibits jejunal contraction, and decreases body-weight gain. |
| Targets(IC50) | GHSR  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.3973 mL | 1.9866 mL | 3.9733 mL |
| 5 mM  | 0.0795 mL | 0.3973 mL | 0.7947 mL |
| 10 mM | 0.0397 mL | 0.1987 mL | 0.3973 mL |
| 50 mM | 0.0079 mL | 0.0397 mL | 0.0795 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

Zhang JV, et al. Obestatin, a peptide encoded by the ghrelin gene, opposes ghrelin's effects on food intake. Science. 2005 Nov 11;310(5750):996-9.

Azadeh Toosi, et al. Obestatin Improve Spatial Memory Impairment in a Rat Model of Fetal Alcohol Spectrum Disorders via Inhibiting Apoptosis and Neuroinflammation. Neuropeptides. 2019 Apr;74:88-94.

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