

Melanostatin, frog

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 134709-16-3 |
| Formula: | C189H285N53O57S |
| Molecular Weight: | 4243.67 |
| Storage: | Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |

Biological Description

| | |
|---------------|---|
| Description | Melanostatin, frog, is an inhibitor of α -melanocyte-stimulating hormone (α -MSH) release, with an IC50 of 60 nM [1] [2]. |
| Targets(IC50) | Melanocortin Receptor |
| In vitro | Melanostatin, a frog compound at 1 μ M concentration, enhances potassium current while reducing sodium and calcium currents, leading to hyperpolarization of the cell membrane [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.2356 mL | 1.1782 mL | 2.3565 mL |
| 5 mM | 0.0471 mL | 0.2356 mL | 0.4713 mL |
| 10 mM | 0.0236 mL | 0.1178 mL | 0.2356 mL |
| 50 mM | 0.0047 mL | 0.0236 mL | 0.0471 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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