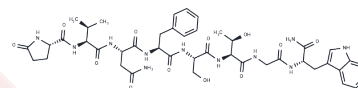


## Adipokinetic hormone (Gryllus bimaculatus)

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 113800-65-0   |
| Formula:          | C43H57N11O12  |
| Molecular Weight: | 919.98  |
| 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 | Adipokinetic hormone Gryllus bimaculatus (Grybi-AKH), an adipokinetic hormone, mobilizes lipids and carbohydrates from the insect fat body, regulating energy homeostasis. It also enhances the locomotor activity of the two-spotted cricket and has potential applications in human medical studies for body weight regulation, weight loss induction, and alleviation of glycogen storage disorders [1] [2] [3]. |
| In vivo     | Adipokinetic hormone from Gryllus bimaculatus (100 pmol/per; topical application; single) enhances locomotive behavior by elevating haemolymph lipid levels [1].  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.087 mL  | 5.4349 mL | 10.8698 mL |
| 5 mM  | 0.2174 mL | 1.087 mL  | 2.174 mL   |
| 10 mM | 0.1087 mL | 0.5435 mL | 1.087 mL   |
| 50 mM | 0.0217 mL | 0.1087 mL | 0.2174 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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