

Gly-Gly-Arg

Chemical Properties

CAS No. : 54944-27-3

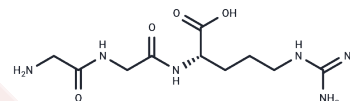
Formula: C₁₀H₂₀N₆O₄

Molecular Weight: 288.3

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

Gly-Gly-Arg, a tripeptide and "pumping pheromone," is released from hatching eggs, stimulating pleopod pumping activity in subtidal crustaceans at a threshold concentration of 10 nM and eliciting a maximum response rate of 58.3%. Additionally, this compound plays a role in controlling larval release in these organisms [1].

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 3.4686 mL | 17.343 mL | 34.6861 mL |
| 5 mM | 0.6937 mL | 3.4686 mL | 6.9372 mL |
| 10 mM | 0.3469 mL | 1.7343 mL | 3.4686 mL |
| 50 mM | 0.0694 mL | 0.3469 mL | 0.6937 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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