

## Gly-Phe-Arg

**Chemical Properties**

CAS No.:	121822-47-7
Formula:	C <sub>17</sub> H <sub>26</sub> N <sub>6</sub> O <sub>4</sub>
Molecular Weight:	378.43
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	Gly-Phe-Arg is a superpotent synthetic tripeptide mimics of the mud-crab pumping pheromone.
In vivo	Gly-Phe-Arg produces not only a statistically significant increase in the relative number of pumping mud crabs but also a substantial increase in the pumping rate ratio[1].

**Solubility Information**

Solubility	H <sub>2</sub> O: Soluble ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.642 mL	13.212 mL	26.425 mL
5 mM	0.528 mL	2.642 mL	5.285 mL
10 mM	0.264 mL	1.321 mL	2.642 mL
50 mM	0.053 mL	0.264 mL	0.528 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Pettis RJ, et al. Superpotent synthetic tripeptide mimics of the mud-crab pumping pheromone. Int J Pept Protein Res. 1993 Oct;42(4):312-9.

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