

Arg-Gly-Glu-Ser(TFA)(93674-97-6,free)

## Chemical Properties

CAS No.:	TP1355
Formula:	C <sub>18</sub> H <sub>30</sub> F <sub>3</sub> N <sub>7</sub> O <sub>10</sub>
Molecular Weight:	561.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	Arg-gly-glu -Ser(TFA) is a RGD related polypeptide that controls the inhibition of fibrinogen binding to activated platelets by RGDS.
In vivo	Arg-Gly-Glu-Ser (5 mg/kg) in combination with LPS or saline + RGDS does not affect neutrophil and macrophage cell numbers and has no effect on protein accumulation compared with LPS- or saline-treated mice, respectively[1].

## Solubility Information

Solubility	H <sub>2</sub> O: 20 mg/mL (35.62 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.781 mL	8.905 mL	17.81 mL
5 mM	0.356 mL	1.781 mL	3.562 mL
10 mM	0.178 mL	0.891 mL	1.781 mL
50 mM	0.036 mL	0.178 mL	0.356 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. Moon C, et al. Synthetic RGDS peptide attenuates lipopolysaccharide-induced pulmonary inflammation by inhibiting integrin signaled MAP kinase pathways. Respir Res. 2009 Mar 9;10:18.

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