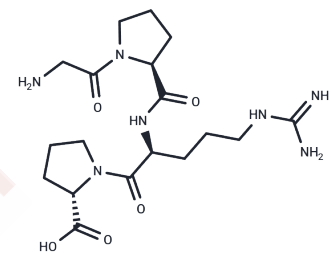


## GPRP

## Chemical Properties

CAS No. :	67869-62-9
Formula:	C <sub>18</sub> H <sub>31</sub> N <sub>7</sub> O <sub>5</sub>
Molecular Weight:	425.48
Storage:	Keep away from moisture
	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year
	Actual storage temperature shall be subject to the COA.



## Biological Description

Description	GPRP (Gly-Pro-Arg-Pro) is a fibrin polymerization inhibitor that inhibits the interaction between fibrinogen and the platelet membrane glycoprotein IIb/IIIa complex (glycoprotein IIb/IIIa receptor).
Targets(IC50)	Integrin

## Solubility Information

Solubility	DMSO: 15 mg/mL (35.25 mM), Sonication is recommended. H <sub>2</sub> O: 40 mg/mL (94.01 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3503 mL	11.7514 mL	23.5029 mL
5 mM	0.4701 mL	2.3503 mL	4.7006 mL
10 mM	0.235 mL	1.1751 mL	2.3503 mL
50 mM	0.047 mL	0.235 mL	0.4701 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.

## Reference

- Gallistl S, et al. Gly-pro-arg-pro (GPRP) enhances free thrombin. *Thromb Res.* 1995 Jun 15;78(6):547-50.  
Hsieh KH, et al. Fibrin Polymerization. 1. Alkylating peptide inhibitors of fibrin polymerization. *J Med Chem.* 1981 Mar;24(3):322-7.

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