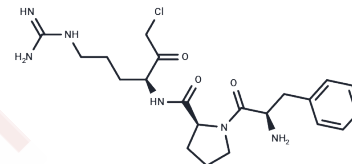


## PPACK

## Chemical Properties

CAS No. :	71142-71-7
Formula:	C <sub>21</sub> H <sub>31</sub> ClN <sub>6</sub> O <sub>3</sub>
Molecular Weight:	450.96
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	PPACK is a synthetic peptide derivative. It also irreversibly and specifically inhibits thrombin-mediated platelet activation by binding with high affinity to the active site of thrombin (K <sub>i</sub> = 0.24 nM).
Targets(IC <sub>50</sub> )	PAI-1

## Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2175 mL	11.0875 mL	22.1749 mL
5 mM	0.4435 mL	2.2175 mL	4.435 mL
10 mM	0.2217 mL	1.1087 mL	2.2175 mL
50 mM	0.0443 mL	0.2217 mL	0.4435 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

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Yamashita T, Yamamoto J, Sasaki Y, Matsuoka A. The antithrombotic effect of low molecular weight synthetic thrombin inhibitors, argatroban and PPACK, on He-Ne laser-induced thrombosis in rat mesenteric microvessels. *Thromb Res.* 1993 Jan 1;69(1):93-100. PubMed PMID: 8465278.

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