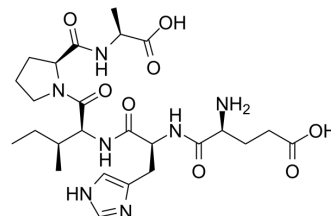


Fibrinogen-Binding Peptide

Cat. No.:	HY-P1741
CAS No.:	137235-80-4
Molecular Formula:	C ₂₅ H ₃₉ N ₇ O ₈
Molecular Weight:	565.62
Sequence:	Glu-His-Ile-Pro-Ala
Sequence Shortening:	EHIPA
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro	DMSO : 83.33 mg/mL (147.33 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.7680 mL	8.8399 mL	17.6797 mL
		5 mM	0.3536 mL	1.7680 mL	3.5359 mL
10 mM		0.1768 mL	0.8840 mL	1.7680 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (3.68 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.68 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.68 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Fibrinogen-Binding Peptide (designed by anticomplementarity hypothesis) is a presumptive peptide mimic of the vitronectin binding site on the fibrinogen receptor. Fibrinogen-Binding Peptide binds fibrinogen and inhibits both the adhesion of platelets to fibrinogen and platelet aggregation, and also inhibits the adhesion of platelets to vitronectin ^[1] .
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CUSTOMER VALIDATION

- Stem Cell Res Ther. 2020 Feb 21;11(1):76.

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REFERENCES

[1]. Gartner TK, et al. The peptide Glu-His-Ile-Pro-Ala binds fibrinogen and inhibits platelet aggregation and adhesion to fibrinogen and vitronectin. Proc Soc Exp Biol Med. 1991 Oct;198(1):649-55.

Caution: Product has not been fully validated for medical applications. For research use only.

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