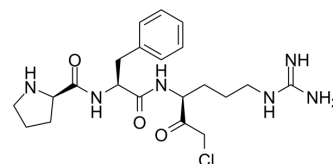


D-Pro-Phe-Arg-Chloromethylketone

Cat. No.: HY-P4245
CAS No.: 88546-74-1
Molecular Formula: C₂₁H₃₁ClN₆O₃
Molecular Weight: 450.96
Sequence: {d-Pro}-Phe-{Arg-Chloromethylketone}
Sequence Shortening: {d-Pro}-F-{Arg-Chloromethylketone}
Target: Factor Xa; Kallikrein
Pathway: Metabolic Enzyme/Protease; Immunology/Inflammation
Storage: Sealed storage, away from moisture and light



Powder -80°C 2 years
 -20°C 1 year

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

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (221.75 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.2175 mL	11.0875 mL	22.1749 mL
5 mM	0.4435 mL	2.2175 mL	4.4350 mL
10 mM	0.2217 mL	1.1087 mL	2.2175 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

D-Pro-Phe-Arg-Chloromethylketone, a inhibitor of coagulation factor XII and plasma kallikrein, plays an important role in thrombosis and inflammation^[1].

REFERENCES

[1]. Katrin F Nickel, et al. Factor XII as a Therapeutic Target in Thromboembolic and Inflammatory Diseases. *Arterioscler Thromb Vasc Biol.* 2017 Jan;37(1):13-20.

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

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