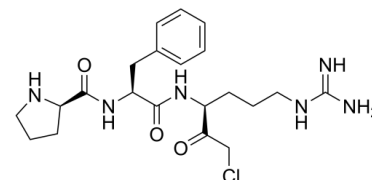


Data Sheet

Product Name:	D-Pro-Phe-Arg-Chloromethylketone
Cat. No.:	CS-0653330
CAS No.:	88546-74-1
Molecular Formula:	C ₂₁ H ₃₁ ClN ₆ O ₃
Molecular Weight:	450.96
Target:	Factor Xa; Kallikrein
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

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.

CAIndexNames:

L-Phenylalaninamide, D-prolyl-N-[(1S)-4-[(aminoiminomethyl)amino]-1-(2-chloroacetyl)butyl]-

SMILES:

O=C([C@H]1CCCN1)N[C@H](C(N[C@H](C(CCl)=O)CCCNC(N)=N)=O)CC2=CC=CC=C2

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

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