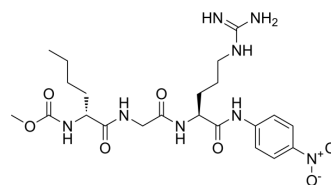


Methoxycarbonyl-D-Nle-Gly-Arg-pNA

Cat. No.:	HY-P4576
CAS No.:	104186-68-7
Molecular Formula:	C ₂₂ H ₃₄ N ₈ O ₇
Molecular Weight:	522.55
Sequence:	Methoxycarbonyl-D-Nle-Gly-Arg-pNA
Sequence Shortening:	Methoxycarbonyl-[d-Nle]-GR-pNA
Target:	Factor Xa
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Methoxycarbonyl-D-Nle-Gly-Arg-pNA is a synthetic trypsin that can serve as a substrate for coagulation factors IXa (FIXa) and Xa (FXa) ^{[1][2][3]} .
IC ₅₀ & Target	Factors IXa ^[3]

REFERENCES

- [1]. Hopfner KP, et al. New enzyme lineages by subdomain shuffling. Proc Natl Acad Sci U S A. 1998 Aug 18;95(17):9813-8.
- [2]. Hopfner KP, et al. Converting blood coagulation factor IXa into factor Xa: dramatic increase in amidolytic activity identifies important active site determinants. EMBO J. 1997 Nov 17;16(22):6626-35.
- [3]. Sturzebecher J, et al. Dramatic enhancement of the catalytic activity of coagulation factor IXa by alcohols. FEBS Lett. 1997 Jul 28;412(2):295-300.

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

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