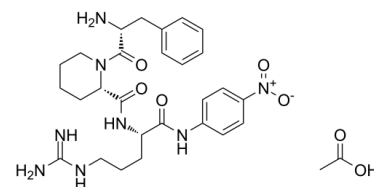


Data Sheet

Product Name:	H-D-Phe-Pip-Arg-pNA (acetate)
Cat. No.:	CS-0136435
CAS No.:	115388-96-0
Molecular Formula:	C ₂₉ H ₄₀ N ₈ O ₇
Molecular Weight:	612.68
Target:	Others
Pathway:	Others
Solubility:	DMSO : 100 mg/mL (163.22 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

H-D-Phe-Pip-Arg-pNA (S-2238) acetate, a chromogenic substrate, is patterned after the N-terminal portion of the A alpha chain of fibrinogen, which is the natural substrate of thrombin. H-D-Phe-Pip-Arg-pNA acetate is specific for thrombin and is used to measure antithrombin-heparin cofactor (AT-III). The AT-III assay using H-D-Phe-Pip-Arg-pNA acetate is sensitive, accurate, and easy to perform^{[1][2]}.

References:

[1]. Goodnight SH Jr, et al. Measurement of antithrombin III in normal and pathologic states using chromogenic substrate S-2238. Comparison with immunoelectrophoretic and factor Xa inhibition assays. Am J Clin Pathol. 1980;73(5):639-647.

[2]. Voorthuizen H, Kluit C. Improved assay conditions for automated antithrombin III determinations with the chromogenic substrate S-2238. Thromb Haemost. 1984;52(3):350-353.

CAIndexNames:

L-Argininamide, D-phenylalanyl-(2S)-2-piperidinecarbonyl-N-(4-nitrophenyl)-, triacetate

SMILES:

O=C([C@H](N)CC1=CC=CC=C1)N2[C@H](C(N[C@@H](CCCNC(N)=N)C(NC3=CC=C([N+]([O-])=O)C=C3)=O)CCCC2.CC(O)=O

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

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