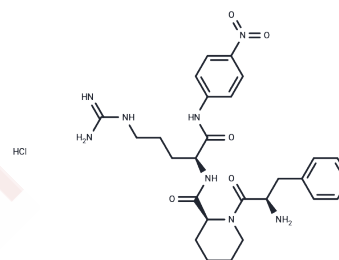


H-D-Phe-Pip-Arg-pNA hydrochloride

Chemical Properties

CAS No. :	160192-34-7
Formula:	C ₂₇ H ₃₇ ClN ₈ O ₅
Molecular Weight:	589.09
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	H-D-Phe-Pip-Arg-pNA hydrochloride, a chromogenic substrate, mimics the N-terminal segment of the A alpha chain of fibrinogen, the native substrate of thrombin. It is specific to thrombin and is used for quantifying antithrombin-heparin cofactor (AT-III), enabling a sensitive, accurate, and straightforward AT-III assay.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6975 mL	8.4877 mL	16.9753 mL
5 mM	0.3395 mL	1.6975 mL	3.3951 mL
10 mM	0.1698 mL	0.8488 mL	1.6975 mL
50 mM	0.034 mL	0.1698 mL	0.3395 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

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

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