# Pefafluor® TH - HCl


## Associated products

Pefafluor® TH - 2AcOH

| Reference | Presentation | Format |
|---|---|---|
| 8-801058 | Vial | 1 x 25 mg |

**AMC-coupled thrombin substrate.**

Sequence : Z-Gly-Gly-Arg-AMC, HCl
MW(Da) : 616,07

## Advantages

Inserts and certificates of analysis provided.
Safety Data Sheets (SDS) provided.
Prolonged stability after reconstitution (> 3 months).

## Characteristics

The line of fluorogenic peptide substrates is a line of high-quality substrates that allow the testing of protease serines. They target enzymes involved in coagulation and fibrinolysis such as thrombin, Factor Xa, Factor XIIa, kallikrein, activated C protein, plasmin and plasminogen-SK.
Fluorogenic substrates are synthetic peptides that react with proteolytic enzymes by releasing a colour that can be followed by spectrophotometry and whose intensity is proportional to the proteolytic activity of the enzyme.
Typically, such substrates are composed of 3 to 5 natural or artificial amino acids. Their structures can be protected in N-terminal to reduce undesirable degradation by aminopeptidases. Their C-terminal ends are modified so that, when the amide bond is cleaved, a fluorogen group is released. The most commonly used group is 7-amino-4-methylcoumarin (AMC) with 342 nm wavelength excitation and 440 nm wavelength emission.



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