Pefafluor® TH - 2AcOH

Reference	Presentation	Format
8-081-19	Vial	1 x 25 mg

AMC-coupled thrombin fluorogenic substrate.
Sequence : H-D-CHA-Ala-Arg-AMC, 2AcOH
Chemical formula : $C_{28}H_{41}N_7O_5$, 2 $C_2H_4O_2$

MW(Da) : 675.8
Km : 1.93 µM / Kcat : 53.9 s^{-1}

Advantages

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

Characteristics

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.

Tél.: +33(0)4 67 10 71 20 - Fax: +33(0)4 67 10 71 21 - CRYOPEP, 83 rue Yves Montand, 34 080 Montpellier, FRANCE - www.cryopep.com