

Thrombin Chromogenic substrate 1

Cat. No. CSUB-0622

Lot. No. (See product label)

Introduction

Description

Chromogenic substrates are peptides that react with proteolytic enzymes under the formation of color. They are made synthetically and are designed to possess a selectivity similar to that of the natural substrate for the enzyme. Attached to the peptide part of the chromogenic substrate is a chemical group which when released after the enzyme cleavage gives rise to color. The color change can be followed spectrophotometrically and is proportional to the proteolytic activity.

Applications

For research applications. Chromogenic substrate for Thrombin.

Synonyms

Chromogenic Substrate R2; Chromogenic substrate for Thrombin; Chromogenic substrate; Thrombin Chromogenic substrate

Product Information

Form

Lyophilized powder

Molecular Formula

C₂₇H₃₆N₈O₅, 2HCl

Molecular Weight

552.6 Da (basic structure); 625.6 Da* (*2HCl included)

Purity

> 95%

Concentration

about 45 µMoles/vial

Solubility

≥ 5 mg/mL in H₂O

Substrates

Thrombin

Storage and Shipping Information

Storage

2-8°C

Stability

Lyophilized product: 30 months at 2-8°C. Reconstituted product: 7 days at room temperature (18-25°C); 3 months at 2-8 °C. Do not freeze