

## 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** C<sub>27</sub>H<sub>36</sub>N<sub>8</sub>O<sub>5</sub>, 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 H<sub>2</sub>O

**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