

## Factor Xa Chromogenic Substrate 1

Cat. No. CSUB-0618

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 Factor Xa. May be used for development of anti-XA chromogenic assays.

#### Synonyms

Chromogenic Substrate for Factor Xa; Chromogenic Substrate R1; Chromogenic Substrate; Factor Xa Chromogenic Substrate

### Product Information

#### Form

Lyophilized powder

#### CAS No.

115388-96-0

#### Molecular Formula

C<sub>28</sub>H<sub>39</sub>N<sub>11</sub>O<sub>7</sub>, 2HCl

#### Molecular Weight

641.7 Da (basic structure); 714.7 Da\* (\*2HCl included)

#### Purity

> 95%

#### Concentration

about 39 μMoles/vial

#### Solubility

≥ 5 mg/mL in H<sub>2</sub>O or Tris buffer

#### Substrates

Factor Xa

### Storage and Shipping Information

#### 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