

## 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

<b>Form</b>	Lyophilized powder
<b>CAS No.</b>	115388-96-0
<b>Molecular Formula</b>	C <sub>28</sub> H <sub>39</sub> N <sub>11</sub> O <sub>7</sub> , 2HCl
<b>Molecular Weight</b>	641.7 Da (basic structure); 714.7 Da* (*2HCl included)
<b>Purity</b>	> 95%
<b>Concentration</b>	about 39 μMoles/vial
<b>Solubility</b>	>= 5 mg/mL in H <sub>2</sub> O or Tris buffer
<b>Substrates</b>	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