

## Elastase Substrate IV, Colorimetric

Cat. No. CSUB-0536

Lot. No. (See product label)

### Product Information

<b>Form</b>	White to off-white lyophilized solid
<b>Formulation</b>	45 mg D-mannitol and 5 mg substrate. Sold on the basis of substrate content.
<b>Purity</b>	>95% by HPLC
<b>Toxicity</b>	Standard Handling
<b>Substrates</b>	Protease
<b>Primary target</b>	A specific substrate for pancreatic elastase
<b>Primary target IC50</b>	$k_m = 100 \mu\text{M}$ ; $k_{cat}/K_m = 35,000 \text{ M}^{-1} \text{ s}^{-1}$ for rat pancreatic elastase; $K_m = 30 \mu\text{M}$ ; $k_{cat}/K_m = 35,000 \text{ M}^{-1} \text{ s}^{-1}$ for porcine

### Storage and Shipping Information

<b>Storage</b>	-20C
<b>Shipping Conditions</b>	ambient