

# Corn Trypsin Inhibitor

## 1.0 mg

Ref#: CTI  
Lot#: xxxxxx  
Exp. Date: xxxx-xx



Store at +2 to +8°C

For Research Use Only  
Not for Use in Diagnostic Procedures  
For *in vitro* use only

<b>Description:</b>	Corn Trypsin Inhibitor
<b>Format:</b>	Lyophilized in 20 mM Tris-HCl / 0.3 M NaCl / pH 8.0
<b>Host:</b>	Maize
<b>Storage:</b>	Store between +2 and +8°C After reconstitution aliquot and freeze at ≤ -60°C
<b>Reconstitution:</b>	We recommend hydrating the CTI with sterile water to the original volume
<b>Volume:</b>	1 vial containing <b>0.709 mL</b>
<b>Total Protein:</b>	1.0 mg
<b>Concentration:</b>	<b>1.41 mg/mL</b> determined by BCA
<b>Activity:</b>	<b>31.60 U/mg</b> (1U is equal to the amount of CTI required to double an aPTT of normal plasma)
<b>Molecular weight:</b>	14,000 daltons

Corn Trypsin Inhibitor (CTI) with a molecular weight of 14 kDa is a specific and potent inhibitor of human factor XIIa. It is purified from fresh sweet corn by solvent extraction and chromatographic methods. A suggested inhibitory concentration is 24-fold molar excess over the enzyme concentration. CTI purity is determined by SDS-PAGE and shows no reduction upon incubation with 2-mercaptoethanol.