

Specification

Trypsin inhibitor from soybean > 7000 BAEE

A1828

Product Code:	A1828
Product Name:	Trypsin inhibitor from soybean > 7000 BAEE
Short Description:	additional product description: lyophilized
Specifications:	Assay: min. 7000 U/mg
WGK:	1
Storage:	-20°C
M:	ca. 21500 daltons
CAS:	9035-81-8
EINECS:	232-906-9
CS:	35040090
Comment	<p>The Trypsin inhibitor from soybean inhibits trypsin in a molar ratio 1 : 1. Chymotrypsin will be inhibited to a lesser extent. Since the inhibitor is a protein, it cannot be dissolved in organic solvents and is heat-sensitive! Dissolve in water or diluted buffers. The pH optimum for its activity is 7.0. One unit of the inhibitor inhibits one unit of trypsin activity (BAEE; Unit definition Trypsin according to NF/USP: That amount of enzyme that causes a increase in absorbance at 253 nm of 0.003 per minute at 25°C resulting from the hydrolysis of BAEE).</p>
Bibliography	<p>(1)Ozawa, K. & Laskowski, M. (1966) <i>J. Biol. Chem.</i> 241, 3955-3961 The reactive site of Trypsin inhibitors. (2)De Vonis Bidlingmeyer, U. <i>et al.</i> (1972) <i>Biochemistry</i> 11, 3303-3310 Identity of the tryptic and α-chymotryptic reactive sites on soybean Trypsin inhibitor (Kunitz). (3)Birk, Y. (1976) <i>Methods Enzymol.</i> 45 B, 700-707 Trypsin and Chymotrypsin inhibitors from soybeans.</p>

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