



OXFORD BIOMEDICAL RESEARCH

## Product Specification Sheet

Anhydrotrypsin  
Product Number: SP30  
Aliquot: 0.1 mg  
Lot Number: Typical Lot  
Storage: -70°C

<b>DESCRIPTION:</b>	Treatment of trypsin with phenylmethylsulfonyl fluoride (PMSF) followed by a strong base leads to the conversion of Serine 195 to dehydroalanine at the active site (1). Alpha and beta forms of anhydrotrypsin are separated by immobilized soybean trypsin inhibitor. The activity of anhydrotrypsin is greatly reduced compared to native trypsin as quantified by chromogenic substrate (2). Anhydrotrypsin provided by Molecular Innovations is the single chain beta-form prepared from Type XIII bovine trypsin. It has a MW of 23.3 kDa and an extinction coefficient of 1.54 mg <sup>-1</sup> ml <sup>-1</sup> .
<b>SIZE:</b>	0.1 mg
<b>CONCENTRATION:</b>	2 mg/mL
<b>VOLUME:</b>	0.05 mL
<b>MOLECULAR WEIGHT:</b>	83,000
<b>BUFFER:</b>	1mM HCl; 10mM CaCl <sub>2</sub>
<b>STORAGE:</b>	-70°C
<b>FORM:</b>	Frozen liquid
<b>SOURCE:</b>	Bovine pancreas
<b>PURIFICATION:</b>	N/A
<b>REFERENCES:</b>	1. Ako, H. et al. (1972) Biochem Biophys Res Commun. 47:1402-1407. 2. Olson, S.T. et al. (1995) J. Biol. Chem. 270:30007-30017.

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