

Anhydrotrypsin
Product Number: SP30
Aliquot: 0.1 mg
Lot Number: sp30.1008
Storage: -70°C

DESCRIPTION:	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 is a 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-1 ml-1.
SIZE:	0.1 mg
CONCENTRATION:	1.9 mg/mL
VOLUME:	0.053 mL
MOLECULAR WEIGHT:	23,300
BUFFER:	1mM HCl; 10 mM CaCl ₂
STORAGE:	-70°C
FORM:	Frozen liquid
SOURCE:	Bovine pancreas
PURIFICATION:	N/A
REFERENCES:	1. Ako, H. et al. (1972) Biochem Biophys Res Comm. 47:1402-1407. 2. Olson, S.T. et al. (1995) J. Biol. Chem. 270:30007-30017.

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