



DATA SHEET

Product Description

Product: Anhydrotrypsin
Catalog Number: ANHT

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 provided by our company is the single chain beta-form prepared from Type XIII bovine trypsin.

References

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.

Recommended Storage: -70 C
Shipping Conditions: Dry ice
Minimum Shelf Life: 3 years from delivery

Technical Information

Purity: >95% by SDS-PAGE analysis
Source: Bovine pancreas
Molecular Weight: 23,300
Extinction Coefficient: 1.54

Sample Characteristics

Lot Number: ANHT-SAMPLE
Aliquot: 1 x 0.1 mg
Concentration: 2.0 mg/ml
Volume: 0.05 ml
Buffer: 1mM HCl; 10mM CaCl₂
Form: Frozen liquid

For In Vitro laboratory use only