

TPCK-treated Trypsin

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	TPCK-treated Trypsin is a form of trypsin whose activity is inhibited by tosyl phenylalanyl chloromethyl ketone (TPCK). This compound minimizes autolysis and nonspecific proteolysis during experiments and exhibits stability during storage and handling. TPCK-treated Trypsin is suitable for use in proteomics research.
Targets(IC50)	Others
In vitro	Trypsin is treated with L-(tosylamido-2-phenyl) ethyl chloromethyl ketone (TPCK) to inhibit its proteolytic activity. The theoretical molecular weight is 23.3 kDa, and the optimal pH range is 7.5 to 8.5. It can be used for protein analysis, such as protein mass spectrometry, sequencing, and peptide profiling analysis. Instructions for use (for reference only): The product can be directly used for protein digestion. The recommended digestion ratio is 1:50-1:100 (w/w); the digestion should be carried out overnight at 37°C.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481