

Trypsin/Lys-C complex protease (MS grade)

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	Trypsin/Lys-C complex protease (MS grade) combines two recombinant proteases, Trypsin and Lys-C, to efficiently hydrolyze peptide bonds. Trypsin specifically cleaves at the C-terminal of arginine (R) and lysine (K), while Lys-C targets the C-terminal of lysine (K). This combination overcomes issues of missed cleavages due to Trypsin's slower digestion at lysine and arginine, PTM alterations on lysine, or hydrophobic C-termini like proline. It is suitable for digesting complex protein samples that are difficult to process enzymatically. This protease is used for protein characterization, single-cell omics, and large-cohort proteomics studies.
Targets(IC50)	Others

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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