

Protease Inhibitor Cocktail (EDTA free)

Cat. No. TFU-PI

Storage: -20 °C for 12 months.

Size: Lyophilized powder (reconstitute with 1 mL supplied DMSO)

Description

TOOLS protease inhibitor cocktail inhibits the degradation of proteins in tissues or cell extracts by endogenous proteases. TOOLS Protease Inhibitor Cocktail is composed of a mix of five pan-protease inhibitors. It is useful for blocking the activity of specific proteases. This product can be used in mammalian cell lysates or tissue extracts to increase protein stability. As the name indicates, the cocktail inhibits proteases that degrade phosphorylated or nonphosphorylated proteins.

Usage

Reconstitute Protease Inhibitor Cocktail with 1 mL DMSO. Add Protease Inhibitor Cocktail to samples (in lysis buffer) at 1:100 dilution for protein extraction or at 1:100 (v/v) dilution to single-solution samples (such as cell lysates or tissue extracts) before assay.

Specificity

Component	Target	100x Conc.	Inhibitor Type
AEBSF	Serine proteases	104 mM	Irreversible
Aprotinin	Serine proteases	80 µM	Reversible
Bestatin	Aminopeptidases	5 mM	Reversible
E-64	Cysteine proteases	15 mM	Irreversible
Leupeptin	Serine and cysteine proteases	2 mM	Reversible
Pepstatin A	Aspartic proteases	1.5 mM	Reversible

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