



Protease Inhibitor Cocktail Set II Cat. No. 539132

Note that this data sheet is not lot-specific and is representative of the current specifications for this product. Please consult the vial label and the certificate of analysis for information on specific lots. Also note that shipping conditions may differ from storage conditions. Full details are available at www.calbiochem.com.

1 set (1 vial of protease inhibitor cocktail plus 1 vial of 1.0 ml DMSO)
5 sets (5 vials of protease inhibitor cocktail plus 5 vials of 1.0 ml DMSO)

Protease Inhibitor Cocktail Set II is a specially formulated cocktail of five protease inhibitors with broad specificity for the inhibition of aspartic, cysteine, and serine and metalloproteases as well as aminopeptidases. This cocktail is recommended for use with bacterial cell extracts.

Storage: Freezer (-20°C). Hygroscopic. This product is stable for up to 5 years as supplied. Following reconstitution, aliquot and freeze at -20°C. The reconstituted material is stable for 6 months at -20°C.

MSDS: Available upon request

Reconstitution: This product is provided as a lyophilized solid, ready for reconstitution. For the researcher's convenience, this protease inhibitor cocktail is provided as either a single vial plus one vial of 1.0 ml DMSO or as a set of 5 vials plus 5 vials of 1.0 ml DMSO.

Reconstitute each vial of lyophilized protease inhibitor cocktail with 1 ml of DMSO first. Mix gently. Then add 4 ml of water. The solution will appear turbid.

Each lyophilized inhibitor cocktail vial contains the following components:

Product	Cat. No.	Mol. Wt.	Concentration in the Vial	Target Protease
AEBSF, Hydrochloride	101500	239.5	20 mM	Serine Proteases
Bestatin	200484	308.4	1.7 mM	Aminopeptidase B and Leucine Aminopeptidase
E-64, Protease Inhibitor	324890	357.4	200 µM	Cysteine Proteases
EDTA, Disodium	-	372.2	85 mM	Metalloproteases
Pepstatin A	516482	685.9	2 mM	Aspartic Proteases

Use of 5 ml solution is recommended for the inhibition of proteases extracted from 20 g of *E. coli*.

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