



Protease Inhibitor Cocktail Set VI Cat. No. 539133

Note that this user protocol 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.

Introduction

A cocktail of six protease inhibitors with broad specificity for the inhibition of aspartic, cysteine, serine, and metalloproteases as well as aminopeptidases. This cocktail is recommended for use with plant cell extracts. One ml is recommended for 30 g of various plant tissues.

Storage: Freezer (-20°C).

Contents: This cocktail is provided as a single vial of 1 ml, or as a package of 5 x 1 ml vials. Each vial contains the inhibitors solubilized in DMSO at the following concentrations:

Product	Cat. No.	Mol. Wt.	Concentration in the Vial	Target Protease
AEBSF, Hydrochloride	101500	239.5	200 mM	Serine Proteases
Bestatin	200484	308.4	10 mM	Aminopeptidase B and Leucine Aminopeptidase
E-64, Protease Inhibitor	324890	357.4	3 mM	Cysteine Proteases
Leupeptin, Hemisulfate	108975	475.6	2 mM	Cysteine Proteases and Trypsin-like Proteases
1,10-Phenanthroline	516705	198.2	500 mM	Metalloproteases
Pepstatin A	516482	685.9	2 mM	Aspartic Proteases

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Principle of the Assay

Materials Required

Materials Required but not Provided

Reagent Preparation

Detailed Protocol

Assay Characteristics and Examples

References

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