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# DATASHEET

## Protease Inhibitor Cocktail powder (General Use)

### Product overview

<b>Name</b>	Protease Inhibitor Cocktail powder (General Use)
<b>Cat No</b>	HB9078
<b>Biological action</b>	Inhibitor
<b>Description</b>	Protease Inhibitor Cocktail powder for general use to inhibit a broad range of proteases and esterases

### Biological Data

#### Biological description

#### Overview

This protease inhibitor cocktail contains a mixture of protease inhibitors with a broad range for proteases and esterases. It has been optimized for the inhibition of a broad range of proteases and esterases. One vial makes 1ml of a 100x stock solution and is sufficient to inhibit proteases in 100ml of cell lysate.

Protease inhibitor cocktails protect proteins from degradation by endogenous proteases released during protein extraction and purification.

#### Components and action

The following components included in this cocktail target: serine proteases, cysteine proteases, metalloproteases.

- AEBSF hydrochloride serine protease inhibitor (500μM)
- Aprotinin (bovine, recombinant, Nicotiana sp.): serine protease inhibitor (150nM)
- E-64: cysteine protease inhibitor (1μM)
- Leupeptin hemisulfate: serine/cysteine protease inhibitor (1μM)
- EDTA disodium salt: metalloprotease inhibitor (500μM)

#### Formulation & usage recommendation

The cocktail is supplied as a white lyophilized solid. Reconstitute each vial with 1ml of water to obtain a 100X concentrate stock solution.

### Solubility & Handling

<b>Storage instructions</b>	-20 °C
<b>Solubility overview</b>	Water, aqueous buffers, add directly to extraction buffer
<b>Handling</b>	Following reconstitution, aliquot and freeze (-20 °C). Stock solutions are stable for up to 1 month at -20 °C.
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Appearance</b>	White lyophilized Solid
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