

Bestatin

Cat. # P1055-100, P1055-500

Also Known as:	Ubenimex
Formula:	$C_{16}H_{24}N_2O_4$
MW:	308.4 g/mol
CAS No.:	58970-76-6
Source:	Synthetic
Form:	Powder
Solubility:	DMSO: 4 mg/ml
Quality Assurance:	≥98% purity
Description:	Bestatin is a specific and reversible inhibitor of aminopeptidase, including aminopeptidase B, triamino peptidase, and leucine aminopeptidase. It does not inhibit aminopeptidase A, trypsin, chymotrypsin, papain, pepsin and thermolysin. Typical working concentration is 1 μ M.
Storage:	Eligible for room temperature shipping. Store at -20°C upon receiving; avoid multiple freeze-thaw cycles after dissolving in buffer.
Stock Solution Preparation:	<p>100X or 1000X stock solution preparation (after fully dissolved, aliquot to small volume, and store at -20 °C).</p> <ul style="list-style-type: none">- Aprotinin (catalog # P1053): Dissolve 20 mg in 10 ml of water or PBS to get 2 mg/ml stock (1000X). Working concentration is 2 μg/ml.- Leupeptin Hemisulfate (catalog # P1057): Dissolve 10 mg in 2.1 ml of DMSO or water to get 10 mM stock (1000X). Working concentration is 10 μM.- Pepstatin A (catalog # P1054): Dissolve 5 mg in 7.3 ml of DMSO to get 1 mM stock (1000X). Working concentration is 1 μM.- AEBSF HCl (catalog # P1056): Dissolve 10 mg in 0.416 ml of DMSO to get 100 mM stock (100X). Working concentration is 1mM.- Bestatin (catalog # P1055): Dissolve 5 mg in 16.2 ml DMSO to get 1 mM stock (1000X). Working concentration is 1 μM.- E-64D (catalog # P1051): Dissolve 5 mg in 1.4 ml DMSO to get 10 mM stock (1000X). Working concentration is 10 μM.
Literature:	Umezawa H., et al., J. Antibiot. 1976, 29, 97.