

Protease Inhibitor Guide

[GoldBio Protease Inhibitors](#)



Name	Cat Num.	Inhibitor Type	Specificity	MW	Storage	Working Concentration
1,10-Phenanthroline monohydrate	P-980	Reversible	Metalloprotease inhibitor.	198.22 g/mol	Store desiccated at room temperature under inert gas. Hygroscopic.	1-10mM
AEBSF	A-540	Irreversible	Serine protease inhibitor. Inhibits trypsin, chymotrypsin, plasmin, kallikrein and thrombin.	239.69 g/mol	Store at -20°C and protect from light.	0.1-1mM
Aprotinin	A-655	Reversible	Serine protease inhibitor. Inhibits trypsin, chymotrypsin, plasmin and kallikrein.	6511.44 g/mol	Store at 2-8°C.	0.6-2 µg/ml
Asunaprevir	A-820		Hepatitis C virus (HCV) NS3/4A protease inhibitor.	748.28 g/mol	Store at -20°C.	0.5 µM 5-15 mg/kg 100-600 mg/dose
Benzamidinium hydrochloride monohydrate	B-050	Reversible	Serine protease inhibitor. Inhibits trypsin, thrombin, plasmin and other trypsin-like proteases.	174.63 g/mol	Store at -15°C and protect from light.	0.5-5mM
Bestatin	B-915	Reversible	Amino peptidase inhibitor. Inhibits aminopeptidase B and aminopeptidase N.	308.37 g/mol	Store at room temperature.	40-50 µg/ml
Carfilzomib	C-915	Irreversible	Inhibits chymotrypsin-like activity of the 20S proteasome.	719.91 g/mol	Store at 4°C. Soluble in DMSO.	20-70 mg/m ²
E-64	E-064	Irreversible	Cysteine protease inhibitor. Inhibits calpain, papain, cathepsins B, H and L, trypsin, bromelain, staphopain, collagenase and ficain.	357.41 g/mol	Store at -20°C.	1-10µM
Ixazomib Citrate	I-350	Reversible	Inhibits the proteasome subunit beta type-5 (PSMB5) of the 20S proteasome.	517.12 g/mol	Store at 4°C. Soluble in DMSO.	2.3-4 mg
Leupeptin Hemisulfate	L-010	Reversible	Serine, cysteine and threonine peptidase inhibitor. Inhibits plasmin, trypsin, papain, kallikrein, calpain and cathepsin B.	475.59 g/mol	Store at -20°C.	10-100µM

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Pepstatin A	P-020	Reversible	Aspartic protease inhibitor. Inhibits pepsin, cathepsins D and E, and renin.	685.89 g/mol	Store at 4°C. Soluble in methanol, ethanol, DMSO and acetic acid.	1-10µM
PMSF	P-470	Irreversible	Serine protease inhibitor. Inhibits trypsin, chymotrypsin, thrombin and papain.	174.19 g/mol	Store desiccated at 4°C. Soluble in DMSO or 100% ethanol. Protect from light. Hygroscopic.	0.1-1mM
Trypsin Inhibitor, Soybean	T-166	Reversible	Serine protease inhibitor. Inhibits trypsin and trypsin-like proteases.	20.1kDa	Store desiccated at -20°C. Denaturation by heat or alkali.	10-100 µg/ml

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