AEBSF HCl

Cat. # P1056-100, P1056-500

Also Known as:	AEBSF
Formula:	$C_8H_{10}FNO_2.HCl$
MW:	239.5 g/mol
CAS No.:	30827-99-7
Source:	Synthetic
Form:	Powder
Solubility:	DMSO: 25 mg/ml; PBS: 10 mg/ml
Quality Assurance:	≥98% purity
Description:	AEBSF HCl is an irreversible inhibitor of serine proteases, including trypsin, chymotrypsin, kallikrein, plasmin, and thrombin. Its specificity is similar to PMSF, but more stable at slightly acid solutions. Typical working concentration is 0.1 - 1.0 mM.
Storage:	Eligible for room temperature shipping. Store at -20°C upon receiving; avoid multiple freeze-thaw cycles after dissolving in buffer.
Stock Solution Preparation:	100X or 1000X stock solution preparation (after fully dissolved, aliquot to small volume, and store at -20 ^{0}C). - 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:	Markwardt F., et al. Biochem. Pharmacol. 1974, 23, 2247