

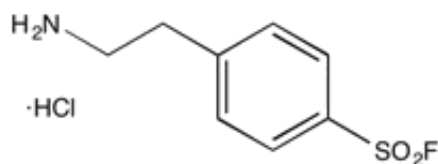
Catalog # 10-1348

AEBSF HCl

CAS# 30827-99-7

4-(2-Aminoethyl)benzenesulfonyl fluoride hydrochloride

Lot # X101259



Irreversible inhibitor of serine proteases including trypsin, chymotrypsin, plasmin, plasma kallikrein and thrombin. Stable, non-toxic and water-soluble alternative to PMSF.¹ Typical working concentrations are 0.1-1 mg/ml. May be used in cell culture or in cell lysis buffers. Inhibits NADPH oxidase activation.²

- 1) Powers *et al.* (2002), *Irreversible inhibitors of serine, cysteine and threonine proteases*; Chem. Rev., **102** 4639
- 2) Diatchuk *et al.* (1997), *Inhibition of NADPH oxidase activation by 4-(2-aminoethyl)-benzenesulfonyl fluoride and related compounds*; J. Biol. Chem., **272** 13292

PHYSICAL DATA

Molecular Weight:	239.69
Molecular Formula:	C ₈ H ₁₀ FNO ₂ S • HCl
Purity:	98%
	NMR: (Conforms)
Solubility:	Soluble in DMSO (up to 25 mg/ml) or in Water (up to 100 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied, desiccated at -20°C for up to 1 year from the date of purchase. Solutions at pH <7 are stable for up to 6 months if stored in the refrigerator.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.