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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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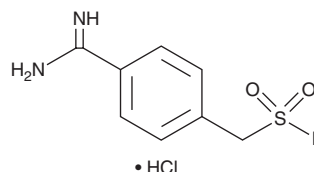
PRODUCT INFORMATION



p-APMSF (hydrochloride)

Item No. 14971

CAS Registry No.: 74938-88-8
Formal Name: 4-(aminoiminomethyl)-benzenemethanesulfonyl fluoride, monohydrochloride
Synonyms: (*p*-Amidinophenyl)methanesulfonyl Fluoride, *para*-APMSF
MF: C₈H₉FN₂O₂S • HCl
FW: 252.7
Purity: ≥95%
UV/Vis.: λ_{max}: 232 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

p-APMSF (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the *p*-APMSF (hydrochloride) in the solvent of choice. *p*-APMSF (hydrochloride) is soluble in organic solvents such as DMSO, which should be purged with an inert gas. It is also soluble in water. The solubility of *p*-APMSF (hydrochloride) in DMSO and water is approximately 50 and 25 mg/ml, respectively. We do not recommend storing the aqueous solution for more than one day.

Description

p-APMSF is an irreversible inhibitor of serine proteases with K_i values of 1.02, 1.18, 1.5, and 1.54 μM for bovine trypsin, human thrombin, bovine plasmin, and bovine Factor Xa, respectively.¹ It is selective for these proteases over bovine chymotrypsin and acetylcholinesterase.

Reference

1. Laura, R., Robison, D.J., and Bing, D.H. (*p*-Amidinophenyl)methanesulfonyl fluoride, an irreversible inhibitor of serine proteases. *Biochemistry* **19**(21), 4859-4864 (1980).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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