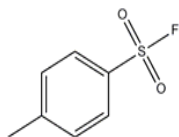


PRODUCT: **PMSF**
[Phenylmethylsulfonyl fluoride Benzylsulfonyl fluoride]

CATALOG #: 1548-5

AMOUNT: 5 g



MOLECULAR FORMULA: C₇H₇FO₂S

MOLECULAR WEIGHT: 174.2

CAS NUMBER: 329-98-6

APPEARANCE: White crystalline solid

PURITY: ≥99%

SOLUBILITY: 10% in pure ethanol

STORAGE CONDITIONS: Store at +4°C or -20°C.

DESCRIPTION:

Irreversible inhibitor of serine proteases (such as thrombin, trypsin and chymotrypsin) and mammalian acetylcholinesterase. It causes sulfonylation of the active-site serine residues. Inhibits cysteine proteases like papain (reversible by DTT treatment). Also inhibits internucleosomal DNA fragmentation in immature thymocytes.

CAUTION: IRRITANT

REFERENCES:

1. Deutsch, D. G. and Chin, S. A. (1993) *Biochem. Pharmacol.* 46:791.
2. James, G.T. (1978) *Anal. Biochem.* 86:574.

FOR RESEARCH USE ONLY! Not to be used in humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Additional Apoptosis Kits & Reagents

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione Fluorometric & Colorimetric Assay Kits
- Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- Camp & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit

Antibodies & Recombinant Proteins (many)