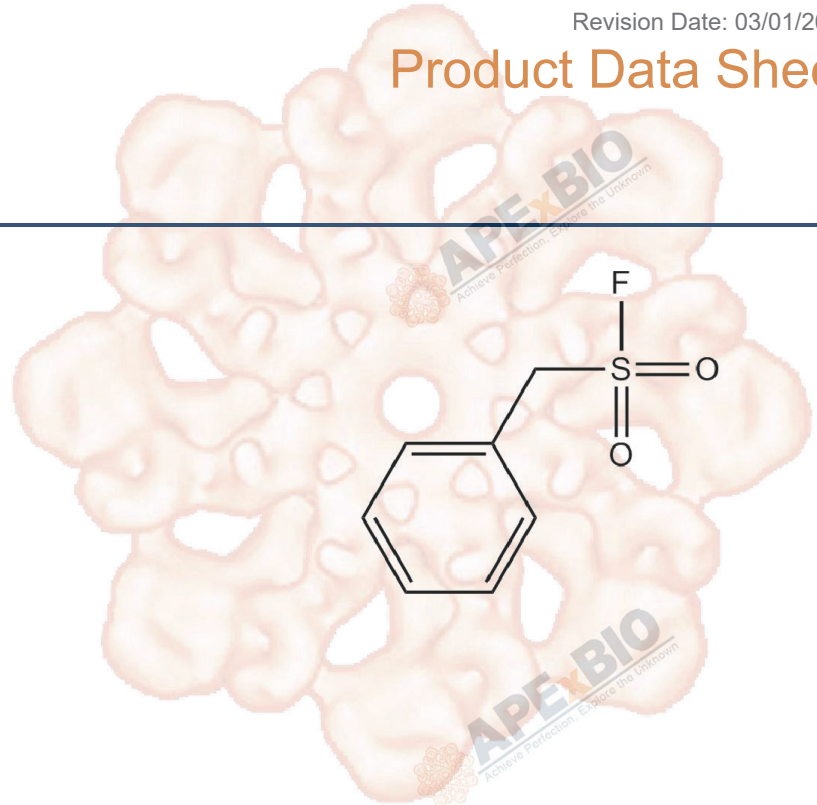


Product Data Sheet

PMSF

| | |
|------------------|-----------------|
| Cat. No.: | A2587 |
| CAS No.: | 329-98-6 |
| Formula: | C7H7FO2S |
| M.Wt: | 174.2 |
| Synonyms: | |
| Target: | Proteases |
| Pathway: | Serine Protease |
| Storage: | Store at -20°C |



Solvent & Solubility

insoluble in H₂O; ≥17.4 mg/mL in DMSO; ≥28.3 mg/mL in EtOH

| In Vitro | Preparing Stock Solutions | Mass | | | |
|----------|---------------------------|----------------------|-----------|------------|------------|
| | | Solvent | 1mg | 5mg | 10mg |
| | | Concentration | | | |
| | | 1 mM | 5.7405 mL | 28.7026 mL | 57.4053 mL |
| | | 5 mM | 1.1481 mL | 5.7405 mL | 11.4811 mL |
| | | 10 mM | 0.5741 mL | 2.8703 mL | 5.7405 mL |

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

| | |
|---------------------------|--|
| Shortsummary | Serine proteinases inhibitor, irreversible |
| IC ₅₀ & Target | |
| In Vitro | Cell Viability Assay |
| | Preparation method: |
| In Vivo | Animal experiment |
| | Applications: |

Product Citations

1. Tong XJ, López-Soto EJ, et al. "Retrograde Synaptic Inhibition Is Mediated by α -Neurexin Binding to the $\alpha 2\delta$ Subunits of N-Type Calcium Channels." *Neuron*. 2017 Jul 19;95(2):326-340.e5.PMID:28669545

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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