

PMSF

✓ 34.84 mg

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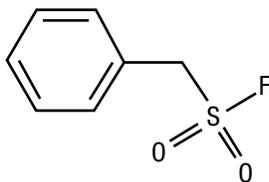
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For Research Use Only. Not For Use In Diagnostic Procedures.

Background: Phenylmethanesulfonyl Fluoride (PMSF) is an inhibitor of serine proteases such as trypsin, chymotrypsin, thrombin, and papain. It is routinely added as a supplement to lysis buffers just prior to lysis, to prevent protease degradation. Cell Signaling Technology recommends adding PMSF at 1 mM to Cell Lysis Buffer (#9803) and RIPA Buffer (#9806).

Molecular Formula: C₇H₇FO₂S



Molecular Weight: 174.19

CAS: 329-98-6

Directions for Use: For a 200 mM (200X) stock solution, reconstitute the 34.84 mg of lyophilized PMSF supplied in the product tube in 1 mL isopropyl alcohol. PMSF is unstable in water and should be added to lysis buffers or other aqueous solutions just prior to use. Typically, a final concentration of 1 mM provides sufficient protease protection. Store lyophilized at RT for 24 months protected from direct light. Once in solution, PMSF can be stored at -20°C for up to 3 months, protected from light.

For product specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended complementary products.