

PMSF

Cat. # P1050-5, P1050-25, P1050-100

Also Known as:	phenylmethanesulfonyl fluoride
Formula:	C ₇ H ₇ FO ₂ S
MW:	174.19 Da
CAS No.:	329-98-6
Source:	Synthetic
Form:	Lyophilized powder
Solubility:	> 10 mg/ml in ethanol or DMSO
Working Condition:	0.1-1 mM
Concentration:	N/A
Quality Assurance:	>98% by HPLC and NMR
Description:	PMSF (phenylmethylsulfonyl Fluoride) is a serine protease inhibitor that reacts with the catalytic serine residue of trypsin, chymotrypsin, thrombin and papain at the concentration of 0.1-1 mM. PMSF has a relatively short life time in aqueous solutions (~ 50 min), it should be added in each protein purification step.
Storage:	Eligible for room temperature shipping. Store at -20°C upon receiving; avoid multiple freeze-thaw cycles after dissolving in DMSO.
Note:	Briefly spin the tube before removing the cap.
Literature:	Turini P, <i>et al.</i> (1969) J Pharmacol Exp Ther 167(1), 98-104.

