

PMSF Solution (100 mM)

P1518357

Storage: -20°C.

Shipping: Shipped with ice packs.

Introduction:

PMSF (Phenylmethanesulfonyl fluoride) is an irreversible serine protease inhibitor with the molecular formula $C_7H_7FO_2S$ and a molecular weight of 174.19 g/mol. This product is a 100 mM PMSF stock solution prepared in anhydrous ethanol. It specifically inhibits the activity of serine proteases such as trypsin, chymotrypsin, and thrombin, effectively preventing the degradation of target proteins during cell or tissue lysis. It is widely used in protein extraction, purification, and subsequent molecular biology experiments such as protein detection and enzymatic digestion.

This product is intended for research use only and is not suitable for clinical diagnosis, food, cosmetics, or other purposes.

Instructions for Use:

This product is a 100 mM stock solution. The typical working concentration in experiments is 0.1–1 mM. It should be diluted with experimental buffers (e.g., PBS, lysis buffer) before use.

Precautions:

1. PMSF is mildly toxic; handle with care.
2. For your safety and health, please wear laboratory clothing and disposable gloves during operation.
3. This product is for research use only and is strictly prohibited for other purposes.