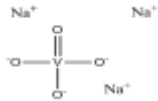


PRODUCT: Sodium Orthovanadate**ALTERNATE NAME:** Na₃VO₄; Vanadate**CATALOG #:** 9470-1G, 5G**AMOUNT:** 1 g, 5 g**STRUCTURE:****MOLECULAR FORMULA:** Na₃VO₄**MOLECULAR WEIGHT:** 183.91**CAS NUMBER:** 13721-39-6**APPEARANCE:** White to off-white solid**SOLUBILITY:** H₂O (~ 50 mg/ml)**PURITY:** ≥99%**STORAGE:** Store at RT. Protect from light and moisture**DESCRIPTION:** Sodium Orthovanadate is a commonly used general inhibitor for protein tyrosine phosphatases (PTPs). It is a competitive inhibitor. The inhibition by Vanadate is completely reversible upon the addition of EDTA or by dilution.**REFERENCES:** Gordon, J.A. (1991). *Methods in Enzymology* **201**, 477-482**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**AEBSF, HCl (**Cat. No. 1644-200, 1G**)Aprotinin (**Cat. No. 4690-5, 100, 1000**)BCA Protein Quantitation Kit (**Cat. No. K812-1000**)E-64 (**Cat. No. 1739-5, 25**)EZBlock™ Phosphatase Inhibitor Cocktail III (**Cat. No. K276-1, set**)EZBlock™ Phosphatase Inhibitor Cocktail IV (**Cat. No. K282-1, set**)EZBlock™ Phosphatase Inhibitor Cocktail I (50X) (**Cat. No. K273-1, set**)EZBlock™ Protease Inhibitor Cocktail II (**Cat. No. K277-set**)EZBlock™ Protease Inhibitor Cocktail III (**Cat. No. K278-set**)EZBlock™ Protease Inhibitor Cocktail IV (**Cat. No. K279-1, set**)EZBlock™ Protease Inhibitor Cocktail EDTA-Free (**Cat. No. K272-1, 5, set**)EZBlock™ Protease Inhibitor Cocktail V, EDTA-Free (**Cat. No. K290-1, set**)EZBlock™ Protease Inhibitor Cocktail VI, General Use (**Cat. No. K291-1, set**)EZBlock™ Protease Inhibitor Cocktail VII (**Cat. No. K292-1, set**)EZBlock™ Protease Inhibitor Cocktail VIII (**Cat. No. K293-1, set**)EZBlock™ Protease Inhibitor Cocktail IX (**Cat. No. K294-1, set**)EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail (**Cat. No. K283-1, set**)EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail, EDTA-Free (**Cat. No. K284-1, set**)EZLys™ Bacterial Protein Extraction Reagent (**Cat. No. 8001-100, 500**)EZLys™ Lysozyme, Human (**Cat. No. 8005-1G, 5G**)Okadaic Acid (**Cat. No. 1543-025**)Okadaic Acid, Ammonium Salt (**Cat. No. 1766-025**)Okadaic Acid, Potassium Salt (**Cat. No. 1765-025**)Okadaic Acid, Sodium Salt (**Cat. No. 1764-025**)Leupeptin, Hemisulfate (**Cat. No. 1648-25, 50, 100**)Pepstatin A (**Cat. No. 1732-25, 100**)Protease Inhibitor Cocktail (**Cat. No. K271-500**)PMSF (**Cat. No. 1548-5**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**