

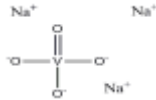
# PRODUCT: Sodium Orthovanadate, Activated

**ALTERNATE NAME:** Na<sub>3</sub>VO<sub>4</sub>; Vanadate

**CATALOG #:** 9471-5

**AMOUNT:** 5 ml

**STRUCTURE:**



**MOLECULAR FORMULA:** Na<sub>3</sub>VO<sub>4</sub>

**MOLECULAR WEIGHT:** 183.91

**CAS NUMBER:** 13721-39-6

**APPEARANCE:** Liquid

**FORMULATION:** A 100 mM solution in sterile distilled water with pH adjusted to 10.0

**PURITY:** ≥90%

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** Activated Sodium orthovanadate is a depolymerized vanadate prepared from Sodium orthovanadate (Cat. No. 9470) that displays enhanced ability to inhibit endogenous phosphatases in a competitive manner. Preserves the phosphorylation state in cells and cell lysates. Completely reversible with 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**