**Sodium Orthovanadate (Vanadate); Activated, Ready-to-Use Solution**

**Part No.** ActVO-4 (200 mM). Volumes: 6 ml, 12 ml, 20 ml, 30 ml, 50 ml

**Synonyms:** Sodium Vanadate, Vanadate

**Specifications:**
- Chemical Formula: Na₃V₀₄
- CAS Number: 13721-39-6
- Purity of starting material: >99%
- Molecular Weight: 183.9
- Solubility in water: soluble
- Provided as: 200 mM aqueous solution
- Inhibitor of tyrosyl-phosphatases, alkaline phosphatases and Na,K,ATPases, including MDR (multidrug resistance receptor; P-glycoprotein)

Lot 26721-1 Exp. 5/21

Sodium orthovanadate is a potent inhibitor of tyrosine phosphatases, alkaline phosphatases and ATPases by operating as a phosphate analogue. Part ActVO-4 has undergone an activation-depolymerization preparation that involves pH adjustment, heating until colorless at equilibrium at pH 10.0, and filtering².

Activated sodium orthovanadate is added directly to cell lysis buffers to inhibit tyrosyl-phosphatases and preserve protein phosphorylation.

**Directions:** Provided as a 200 mM solution. Use at 1-10 mM. Dispense directly into cell lysates. (After defrosting, vortex to solubilize crystals).

**References**


**Safety:** Harmful. Avoid all contact and inhalation.

**Shipping:** Ambient temperature

**Storage:** -20°C upon arrival.
Sodium Orthovanadate (Vanadate); Activated, Ready-to-Use Solution

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Synonyms: Sodium Vanadate, Vanadate

Specifications:
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CAS Number: 13721-39-6
Purity of starting material: >99%
Molecular Weight: 183.9
Solubility in water: soluble
Provided as: 200 mM aqueous solution
Inhibitor of tyrosyl-phosphatases, alkaline phosphatases and Na,K,ATPases, including MDR (multidrug resistance receptor; P-glycoprotein)

Lot 2671-8 Exp. 12/19

Sodium orthovanadate is a potent inhibitor of tyrosine phosphatases, alkaline phosphatases and ATPases by operating as a phosphate analogue. Part ActVO-4 has undergone an activation-depolymerization preparation that involves pH adjustment, heating until colorless at equilibrium at pH 10.0, and filtering. Activated sodium orthovanadate is added directly to cell lysis buffers to inhibit tyrosyl-phosphatases and preserve protein phosphorylation.

Directions: Provided as a 200 mM solution. Use at 1-10 mM. Dispense directly into cell lysates. (After defrosting, vortex to solubilize crystals).

References


Safety: Harmful. Avoid all contact and inhalation.
Shipping: Ambient temperature
Storage: -20°C upon arrival.