bpV(phen)

**ALTERNATE NAME:** Potassium bisperoxo(1,10-phenanthroline)oxovanadate (V)

**CATALOG #:** 1793-5

**AMOUNT:** 5 mg

**STRUCTURE:**

![structure](image)

**MOLECULAR FORMULA:** K[VO(O_2)C_{11}H_{8}N_{2}].3H_2O

**MOLECULAR WEIGHT:** 404.3

**CAS NUMBER:** 42494-73-5

**APPEARANCE:** Yellow to orange powder

**SOLUBILITY:** DMSO or H_2O

**PURITY:** ≥98% by ^51_V-NMR

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

**DESCRIPTION:** A bisperoxovanadium compound that acts as a potent protein phosphotyrosine phosphatase (PTP) inhibitor as well as an insulin receptor kinase (IRK) activator. Also an excellent insulin mimetic *in vitro* and *in vivo* and a potent PTEN inhibitor (IC_{50} = 38 nM).


**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

*FOR RESEARCH USE ONLY! Not to be used on humans.*

**RELATED PRODUCTS:**
- bpV(pic) (Cat. No. 1794-5)
- Calyculin A (Cat. No. 1562-025)
- Ciglitazone (Cat. No. 1695-5)
- GW 9662 (Cat. No. 1697-5)
- Metformin, Hydrochloride (Cat. No. 1691-5G)
- 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)
- EZBlock™ Phosphatase Inhibitor Cocktail Set I, 50X (Cat. No. K273-1, 1EA)
- EZBlock™ Phosphatase Inhibitor Cocktail Set II (Cat. No. K275-1, 1EA)
- EZBlock™ Phosphatase Inhibitor Cocktail Set II (Cat. No. K276-1, 1EA)
- PPAR-α Antibody (Cat. No. 3585-100)
- PPAR-γ Antibody (Cat. No. 3809-100)
- PPAR-γ, Human Recombinant (Cat. No. 4371-10)
- Rosiglitazone (Cat. No. 1559-5, 100)
- Troglitazone (Cat. No. 1696-5)