

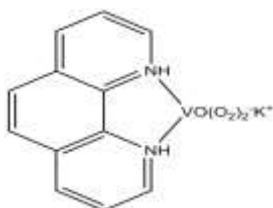
bpV(phen)

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

CATALOG #: 1793-5

AMOUNT: 5 mg

STRUCTURE:



MOLECULAR FORMULA: $K[VO(O_2)_2C_{12}H_8N_2] \cdot 3H_2O$

MOLECULAR WEIGHT: 404.3

CAS NUMBER: 42494-73-5

APPEARANCE: Yellow to orange powder

SOLUBILITY: DMSO or H₂O

PURITY: ≥98% by ⁵¹V-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 (IC₅₀ = 38 nM).

REFERENCE: Lai, J.P., *et al.* (2007). *Br. J. Pharmacol.* **152**, 1172-1184; Schmid, A., *et al.* (2004). *FEBS Lett.* **566**, 35-38; Posner, B.I., *et al.* (1994). *J. Biol. Chem.* **269**, 4596-4604.

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)