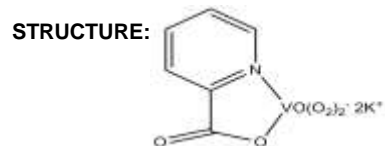


bpV(pic)

ALTERNATE NAME: [Dipotassium bisperoxo (picolinato) oxovanadate (V)]

CATALOG #: 1794-5

AMOUNT: 5 mg



MOLECULAR FORMULA: $K[VO(O_2)_2C_6H_4NO_2] \cdot 2H_2O$

MOLECULAR WEIGHT: 367.2

APPEARANCE: Yellow solid

SOLUBILITY: DMSO or H₂O

PURITY: ≥90% by ⁵¹V-NMR

STORAGE: Store at -20 °C. Protect from light. Unstable in solution; reconstitute just prior to use

DESCRIPTION: A bisperoxovanadium compound that acts as a potent protein phosphotyrosine phosphatase (PTP) inhibitor as well as an insulin receptor kinase (IRK) activator. Also a potent PTEN inhibitor (IC₅₀ = 31 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(phen) (**Cat. No. 1793-5**)
- 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**)