

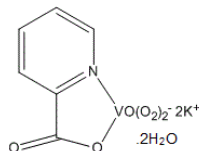
bpV(pic)

ALTERNATE NAMES: Dipotassium Bisperoxovanadium(pic) dihydrate; Dipotassium bisperoxo (picolinato) oxovanadate (V) dihydrate

CATALOG #: 1794-5

AMOUNT: 5 mg

STRUCTURE:



MOLECULAR FORMULA: $K_2VO(O_2)_2C_6H_4NO_2 \cdot 2H_2O$

MOLECULAR WEIGHT: 367.2

CAS#: 148556-27-8

APPEARANCE: Yellow solid

SOLUBILITY: DMSO or H_2O

PURITY: $\geq 90\%$ by ^{51}V -NMR

STORAGE: Store at $-20^\circ C$. 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 ($IC_{50} = 31$ 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.

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)

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