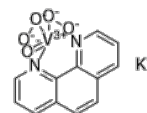


Product Name : BpV(phen)
Cat. No. : PC-23945
CAS No. : 42494-73-5
Molecular Formula : C₁₂H₈N₂O₅V.K
Molecular Weight : 350.24
Target : PTEN
Solubility : 10 mM in DMSO



Biological Activity

Bisperoxovanadium (bpV(phen)) is a bisperoxovanadium (bpV) compound which inhibits several different protein tyrosine phosphatases (PTPs), with selectivity for PTEN (IC₅₀ =38 nM), also inhibits the vascular endothelial PTP, PTP-β (IC₅₀=343 nM), and PTP-1β (IC₅₀=920 nM).

Bisperoxovanadium activates the insulin receptor tyrosine kinase and promotes downstream signaling, including activation of PI3-kinase.

References

Chen Q, et al. J Biol Chem. 2015 Oct 23;290(43):26051-8.

Band CJ, et al. Mol Endocrinol. 1997 Dec;11(13):1899-910

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com