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# **DATASHEET**

KN-93 phosphate (water soluble)

#### **Product overview**

Name KN-93 phosphate (water soluble)

Cat No HB0360 **Biological action** Inhibitor >98% **Purity** 

Description Potent CaM kinase II inhibitor

## **Images**



### **Biological Data**

**Biological description** 

Potent CaM kinase II inhibitor (IC<sub>50</sub> = 0.37 μM). Also acts as a direct, extracellular voltage-gated K<sup>+</sup> channels blocker ( $IC_{50} = 307 \text{ nM}$  at  $K_v 1.5 \text{ channels}$ ) in a manner which is independent of CaMKII. KN-93 may act via promotion and stabilization of C-type inactivation.

## **Solubility & Handling**

Solubility overview Storage instructions Soluble in water

+4°C

Storage of solutions

Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Stable for ambient temperature shipping. Follow storage instructions on receipt.

**Shipping Conditions** 

**Important** 

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

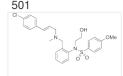
for human or veterinary use.

#### **Chemical Data**

**Chemical name** 

N-[2-[[[3-(4-Chlorophenyl)-2-propenyl]methylamino]methyl]phenyl]-N-(2-hydroxyethyl)-4 -methoxybenzenesulphonamide phosphate

Molecular Weight **Chemical structure** 



Molecular Formula **CAS Number** PubChem identifier **SMILES** InChiKey

C<sub>26</sub>H<sub>29</sub>CIN<sub>2</sub>O<sub>4</sub>S.H<sub>3</sub>3PO<sub>4</sub> 1188890-41-6 16760530

CN(CC=CC1=CC=C(C=C1)Cl)CC2=CC=CC2N(CCO)S(=O)(=O)C3=CC=C(C=C3)OC LLLQTDSSHZREGW-AATRIKPKSA-N