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## DATASHEET

### KN-93 phosphate (water soluble)

### Product overview

<b>Name</b>	KN-93 phosphate (water soluble)
<b>Cat No</b>	HB0360
<b>Biological action</b>	Inhibitor
<b>Purity</b>	>98%
<b>Description</b>	Potent CaM kinase II inhibitor

### Images



### Biological Data

<b>Biological description</b>	Potent CaM kinase II inhibitor ( $IC_{50} = 0.37 \mu M$ ). Also acts as a direct, extracellular voltage-gated $K^+$ channels blocker ( $IC_{50} = 307 \text{ nM}$ at $K_v1.5$ channels) in a manner which is independent of CaMKII. KN-93 may act via promotion and stabilization of C-type inactivation.
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### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Solubility overview</b>	Soluble in water
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	<i>N</i> -[2-[[[3-(4-Chlorophenyl)-2-propenyl]methylamino]methyl]phenyl]- <i>N</i> -(2-hydroxyethyl)-4-methoxybenzenesulphonamide phosphate
<b>Molecular Weight</b>	501
<b>Chemical structure</b>	
<b>Molecular Formula</b>	$C_{26}H_{29}ClN_2O_4S \cdot H_3PO_4$
<b>CAS Number</b>	1188890-41-6
<b>PubChem identifier</b>	16760530

**SMILES**  
**InChiKey**

CN(CC=CC1=CC=C(C=C1)Cl)CC2=CC=CC=C2N(CCO)S(=O)(=O)C3=CC=C(C=C3)OC  
LLLQTDSSHZREGW-AATRIKPKSA-N

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