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DATASHEET

KN-93 phosphate (water soluble)

Product overview

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

Images



Biological Data

| | |
|-------------------------------|---|
| Biological description | 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. |
|-------------------------------|---|

Solubility & Handling

| | |
|-----------------------------|---|
| Storage instructions | +4 °C |
| Solubility overview | Soluble in water |
| 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 | <i>N</i> -[2-[[[3-(4-Chlorophenyl)-2-propenyl]methylamino]methyl]phenyl]- <i>N</i> -(2-hydroxyethyl)-4-methoxybenzenesulphonamide phosphate |
| Molecular Weight | 501 |
| Chemical structure | |
| Molecular Formula | $C_{26}H_{29}ClN_2O_4S \cdot H_3PO_4$ |
| CAS Number | 1188890-41-6 |
| PubChem identifier | 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
