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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



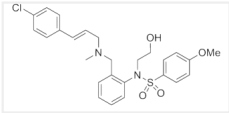
Biological Data

Biological description	Potent CaM kinase II inhibitor (IC ₅₀ = 0.37 μM). Also acts as a direct, extracellular voltage-gated K ⁺ channels blocker (IC ₅₀ = 307 nM at K _v 1.5 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

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	N-[2-[[[3-(4-Chlorophenyl)-2-propenyl]methylamino]methyl]phenyl]-N-(2-hydroxyethyl)-4-methoxybenzenesulphonamide phosphate
Molecular Weight	501
Chemical structure	 The chemical structure shows a central phenyl ring substituted with a 2-[[[3-(4-chlorophenyl)-2-propenyl]methylamino]methyl] group and a methanesulfonyl group. The methanesulfonyl group is further substituted with a 2-hydroxyethyl group and a 4-methoxyphenyl group. A phosphate group is attached to the nitrogen of the methanesulfonyl group.
Molecular Formula	C ₂₆ H ₂₉ ClN ₂ O ₄ S.H ₃ PO ₄
CAS Number	1188890-41-6
PubChem identifier	16760530

Chemical name

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

SMILES

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

InChiKey

LLLQTDSSHZREGW-AATRIKPKSA-N
