Product overview

Name  KN 92
Cat No  HB0358
Short description  Reduces Ca\textsubscript{v}1.2 and Ca\textsubscript{v}1.3 channel currents. Inactive analog of KN 93.
Biological description  Reduces Ca\textsubscript{v}1.2 and Ca\textsubscript{v}1.3 channel currents. Inactive analog of KN 93. Inhibits nicotine and potassium stimulation of tyrosine hydroxylase activity. Displays no activity for CAMKII and GLUT4.
Biological action  Inhibitor
Purity  >98%

Properties

Chemical name  2-[N-\text{\(-\)}-(4'-Methoxybenzenesulfonyl)\text{\(-\)}amino-N-(4'-chlorophenyl)-2-propenyl-N-methylbenzylaminephosphate
Molecular Weight  554.98
Chemical structure

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C₂₄H₂₅ClN₂O₃S.H₃PO₄
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Molecular Formula

CAS Number  1135280-28-2

Storing and Using Your Product

Storage instructions  -20°C
Solubility overview  soluble in DMSO (10mM)
Important  This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

References for KN 92

CaMKII-independent effects of KN93 and its inactive analog KN92: reversible inhibition of L-type calcium channels.


PubMedID:  16730662
CaMK activation during exercise is required for histone hyperacetylation and MEF2A binding at the MEF2 site on the Glut4 gene.


PubMedID: 18647882

The Ca++/calmodulin-dependent protein kinase II inhibitors KN62 and KN93, and their inactive analogues KN04 and KN92, inhibit nicotinic activation of tyrosine hydroxylase in bovine chromaffin cells.


PubMedID: 8660326