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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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KB-R7943 Mesylate

TRPC channel blocker
Catalog No. SIH-312



Discovery through partnership | Excellence through quality

Overview

Product Name

KB-R7943 mesylate

Description

TRPC channel blocker

Purity

>98% (TLC); NMR (Conforms)

CAS No.

182004-65-5

Molecular Formula

C₁₁H₁₁N₁O₃S

Molecular Weight

427.29

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 100 mM in DMSO

Source

Synthetic

Appearance

White Solid

SMILES

CS(=O)(=O)O.C1=CC(=CC=C1CCSC(=N)N)OCC2=CC=C(C=C2)[N+](=O)[O-]

InChI

InChI=1S/C16H17N3O3S.CH4O3S/c17-16(18)23-10-9-12-3-7-15(8-4-12)22-11-13-1-5-14(6-2-13)19(20)21;1-5(2,3)4/h1-8H,9-11H2,(H3,17,

18);1H3,(H,2,3,4)

InChIKey

WGIKEBHIKKWJLG-UHFFFAOYSA-N

Safety Phrases

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Cite This Product

KB-R7943 mesylate (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-312)

Biological Description

Alternative Names

2-{4-[(4-Nitrobenzyl)oxy]phenyl}ethyl carbamimidothioate methanesulfonate (1:1)

Research Areas

Ion Channels, Neuroscience, Transient Receptor Potential Channels

PubChem ID

9823846

Scientific Background

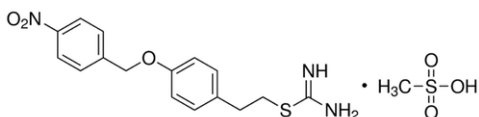
KN-R9743 mesylate is a potent selective inhibitor of the reverse mode of the Na⁺/Ca²⁺ exchanger. It also inhibits the mitochondrial Ca²⁺ uniporter. It does not affect Na⁺ dependent transport systems or ionotropic glutamate receptors.

References

1. Hoyt K.R., Arden S.R., Aizenman E. and Reynolds I.J. (1998) Mol Pharmacol. 53(4): 742-749.
2. Schroder U.H., Breder J, Sabelhaus C.F., Reymann K.G. (1999) Neuropharm. 38(2): 319-321.
3. Watano T., Harada Y., Harada K., Nishimura N. (1999) Br J Pharmacol. 127(8): 1846-1850.

Product Images

Chemical structure of KB-R7943 mesylate (SIH-312), a TRPC channel blocker. CAS #: 182004-65-5. Molecular Formula: C₁₆H₁₇N₃O₃S·CH₃SO₃H. Molecular Weight: 427.29 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.