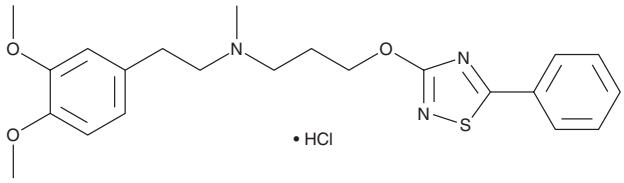
PRODUCT INFORMATION

KC 12291 (hydrochloride)

Item No. 45485

CAS Registry No.:	181936-98-1
Formal Name:	3,4-dimethoxy-N-methyl-N-[3-[(5-phenyl-1,2, 4-thiadiazol-3-yl) oxy]propyl]-benzeneethanamine, monohydrochloride
MF:	$C_{22}H_{27}N_3O_3S \bullet HCl$
FW:	450.0
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

KC 12291 (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the KC 12291 (hydrochloride) in the solvent of choice, which should be purged with an inert gas. KC 12291 (hydrochloride) is slightly soluble (0.1-1 mg/ml) in acetonitrile and DMSO.

Description

KC 12291 is an inhibitor of voltage-gated sodium channels.[1] It reduces peak sodium currents by approximately 60% in isolated rat ventricular cardiomyocytes when used at a concentration of 1 µM. KC 12291 inhibits veratridine or lysophosphatidylcholine-induced diastolic contracture in isolated guinea pig atria (IC_{50}s = 0.55 and 0.79 µM, respectively). *In vivo*, KC 12291 (0.16 and 0.63 mg/kg) inhibits ST segment elevation in anesthetized rabbits.

Reference

1. John, G.W., Létienne, R., Le Grand, B., *et al.* KC 12291: An atypical sodium channel blocker with myocardial antiischemic properties. *Cardiovasc. Drug Rev.* **22(1),** 17-26 (2004).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM