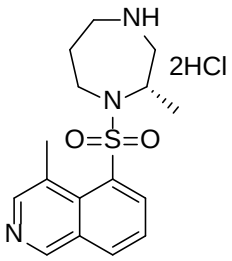
H1152

SYN-1221



(S)-4-methyl-5-((2-methyl-1,4-diazepan-1-yl)sulfonyl)isoquinoline dihydrochloride

CAS Registry No.: 871543-07-6

Smiles String:
CC1=C2C(C=CC=C2S(=O)(N3[C@@H](C)CNCCC3)=O)=CN=C1.Cl.Cl

Molecular Weight: 392.34

Molecular Formula: C16H21N3O2S.2HCl

Lot Number: Refer to vial

1H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

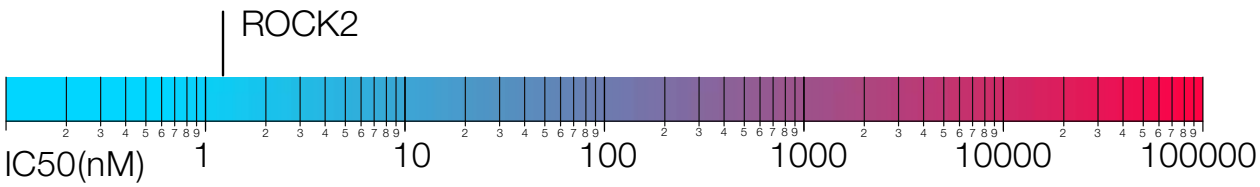
ES-MS: Available on request

Description:

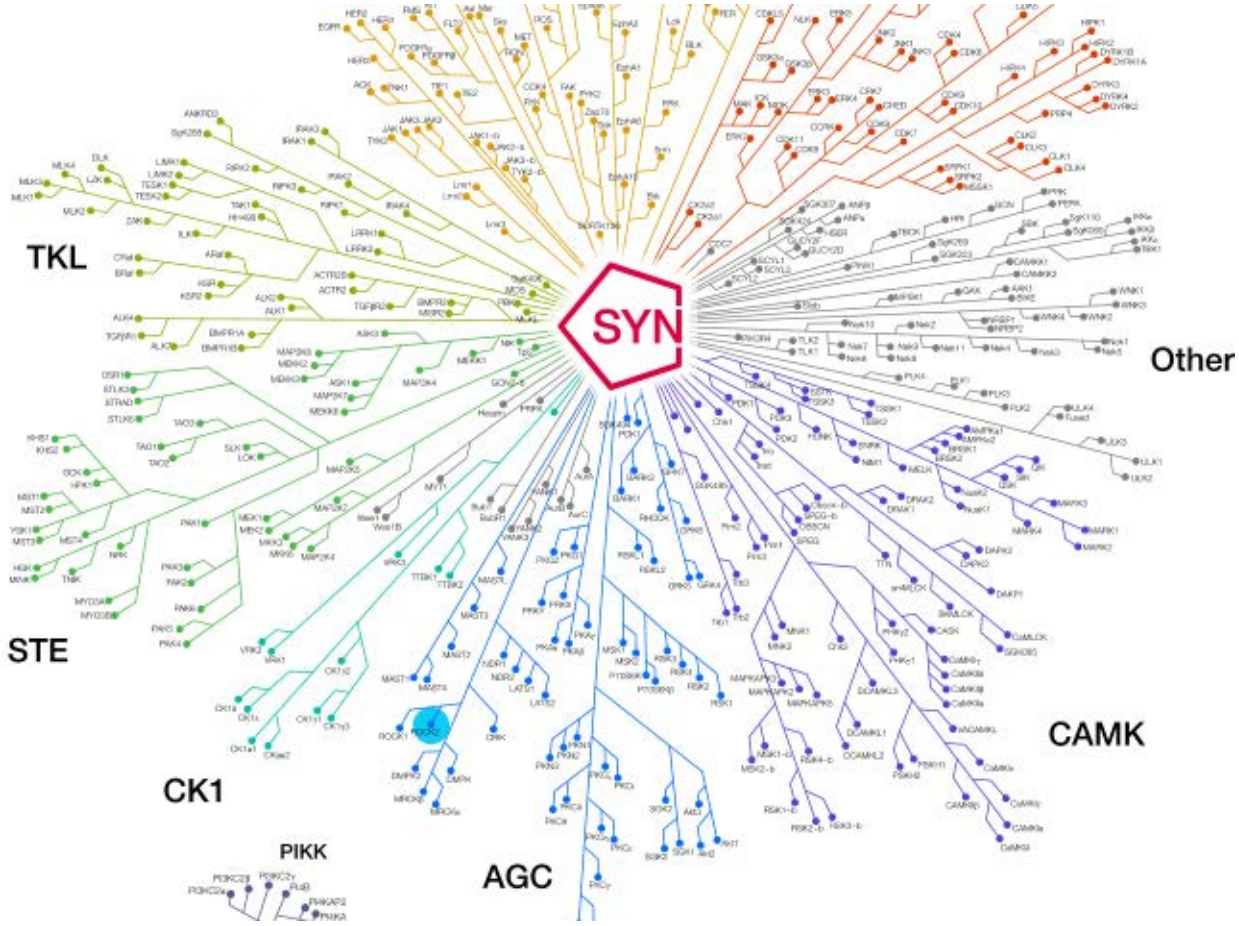
H1152 is a potent, specific, ATP-competitive, and cell permeable inhibitor of ROCK, with an IC50 of 12 nM for ROCKII. H1152 poorly inhibits PKA, PKC, and myosin light chain kinase.

Rho kinase (ROCK), activated by GTP-linked Rho, phosphorylates targets that are involved in cytoskeletal remodelling, smooth muscle contraction, and neuronal development.

Biological Activity



Kinome Mapping



Shipping and Storage Temperature

Shipping:
Ambient

Storage:
2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

Solubility

Soluble in DMSO

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3923	3.9234	7.8468	19.617

References

1. Sasaki Y, Suzuki M, Hidaka H. The novel and specific Rho-kinase inhibitor (S)-(+)-2-methyl-1-[(4-methyl-5-isoquinoline)sulfonyl]-homopiperazine as a probing molecule for Rho-kinase-involved pathway. Pharmacol Ther. 2002 Feb-Mar;93(2-3):225-32. Review. PubMed PMID: 12191614.

Ordering Information

To order more of this or any other SYNkinase compound, go to synkinase.com, Call us Toll Free (US Only) at 1- 877-854-6273 or email orders@synkinase.com.