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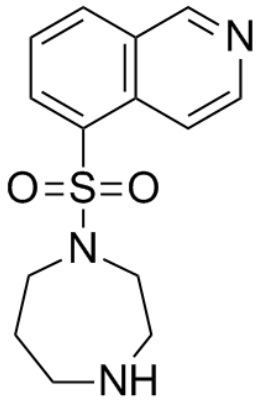
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Fasudil
Cat. No.	:	PC-42541
CAS No.	:	103745-39-7
Molecular Formula	:	$C_{14}H_{17}N_3O_2S$
Molecular Weight	:	291.3687
Target	:	ROCK
Solubility	:	10 mM in DMSO



Biological Activity

Fasudil (AT-877, HA-1077) is a potent and selective inhibitor of Rho kinase (**ROCK**) with Ki of 0.33 uM (ROCK1).
Fasudil (AT-877, HA-1077) displays less potent inhibiton over PKA, PKG, PKC and MLCK with Ki of 1.6, 1.6, 3.3, and 36 μM in cell-free assays, respectively.
Fasudil (AT-877, HA-1077) exhibits vasodilator actions by inhibition of 5-hydroxytryptamine, noradrenaline, histamine, angiotensin, and dopamine induced spiral strips contraction.

References

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Asano T, et al. ***J Pharmacol Exp Ther.*** 1987 Jun;241(3):1033-40.

Asano T, et al. ***Br J Pharmacol***. 1989 Dec;98(4):1091-100.

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