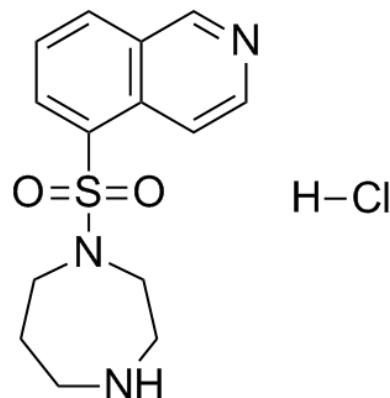


Product Name : Fasudil hydrochloride
Cat. No. : PC-42540
CAS No. : 105628-07-7
Molecular Formula : C₁₄H₁₈ClN₃O₂S
Molecular Weight : 327.8296
Target : ROCK
Solubility : DMSO: ≥ 31 mg/mL



Biological Activity

Fasudil hydrochloride (AT-877, HA-1077) is a potent and selective inhibitor of Rho kinase (**ROCK**) with K_i of 0.33 μM (ROCK1).

Fasudil (AT-877, HA-1077) displays less potent inhibition over PKA, PKG, PKC and MLCK with K_i 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

Ono-Saito N, Nature. et al.1999 May-Jun;82(2-3):123-31.

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.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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