

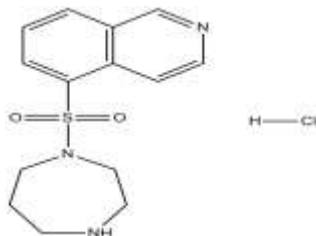
Fasudil, Monohydrochloride

ALTERNATE NAME: 1-(5-Isoquinolinesulfonyl)homopiperazine, Monohydrochloride Salt; HA-1077, Monohydrochloride

CATALOG #: 1787-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₄H₁₇N₃O₂S·HCl

MOLECULAR WEIGHT: 327.83

CAS NUMBER: 105628-07-7

APPEARANCE: White to off-white solid

SOLUBILITY: Water (175 mg/ml) or DMSO (10 mg/ml)

PURITY: ≥99% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A cell-permeable Ca²⁺ antagonist and vasodilator. Inhibits protein kinase A (K_i = 1.6 μM), protein kinase G (K_i = 1.6 μM), myosin light chain kinase (K_i = 36 μM) and Rho kinase (ROCK; IC₅₀ = 10.7 μM. Fasudil also mobilizes adult neural stem cells *in vivo*.

REFERENCE: Ding, J., *et al.* (2010). *Mol. Cell. Neurosci.* **43**, 201-208.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- BIO (Cat. No. 1673-1)
- CHIR CHIR99021 (Cat. No. 1677-5, 25)
- EZSolution™ CHIR99021 (Cat. No. 1748-5)
- Enzastaurin (LY317615)(Cat. No. 1619-1,5)
- Go 6976 (Cat. No. 1711-500)
- GSK-3 Inhibitor, TWS119 (Cat. No. 1655-2)
- H-89, Dihydrochloride (Cat. No. 1768-1, 5)
- PD-0325901 (Cat. No. 1643-2)
- Pyrintegrin (Cat. No. 1629-1,5)
- EZSolution™ Pyrintegrin (Cat. No. 1737-1)
- SB-431542 (Cat. No. 1674-1)
- Staurosporine (Cat. No. 1048-01,1)
- EZSolution™ Staurosporine (Cat. No. 1745-01)
- Thiazovivin (Cat. No. 1681-1,5)
- EZSolution™ Thiazovivin (Cat. No. 1736-1)
- Y-27632, 2HCl (Cat. No. 1596-1,5,50)
- EZSolution™ Y-27632 (Cat. No. 1784-5)