



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Data Sheet

Research Use Only

## Compound Name

Fasudil Hydrochloride

## Catalog Number

SM49

## Activity

Fasudil hydrochloride is a cyclic nucleotide-dependent Rho-associated kinase inhibitor. The Rho-kinase (ROCK) mediates vasoconstriction and vascular remodeling.

## Purity

>99%

## Formula

$C_{14}H_{17}N_3O_2S \cdot HCl$

## Solubility

DMSO, water

## Alternative Names

HA-1077 hydrochloride, Eiril, AT-877, 5-(1,4-diazepan-1-ylsulfonyl)isoquinoline hydrochloride

## Effect

Fasudil effectively inhibited ISO-induced heart failure, as evaluated by biometric, hemodynamic, and histological examinations. It has been demonstrated that fasudil decrease human embryonic stem cells (hESC) dissociation-induced apoptosis, increase hESC cloning efficiency and facilitate hESC subcloning after gene transfer.

## CAS

105628-07-7

## Molecular Weight

327.83

## Stability

Stable at -20 °C. Keep away from direct sunlight.

## References

1. Watanabe, K., et al. 2007. Nat Biotechnol. 25(6): 681-686. PMID: 17529971
2. Zhang, XZ. 2010. Reprod Biomed Online. 21(1): 26-36. PMID: 20462797
3. O, E., et al. 2011. Int J Mol Med. 28(3): 357-363. PMID: 21567077