

For Research Use Only

Bepridil hydrochloride



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Catalog Number: CM03221

产品信息

Catalog Number:
CM03221

CAS号:
68099-86-5

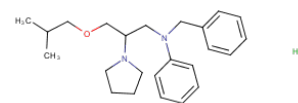
分子式:
C₂₄H₃₅ClN₂O

主要靶点:
Calcium Channel

主要通路:
代谢|离子通道

分子量:
403

溶解度:
DMSO:130 mg/mL (322.58 mM)



体外活性

Bepridil (1-100 microM) inhibited the K(ATP) channel current in a concentration-dependent manner. The IC(50) value of bepridil was estimated to be 10.5 microM for outward K(ATP) channel currents (holding potential, +60 mV) and 6.6 microM for inward K(ATP) channel currents (holding potential, -60 mV). Bepridil (0.1-30 microM) also inhibited K(Na) channel currents measured at the holding potential of -60 mV, in a concentration-dependent manner with an IC(50) value of 2.2 microM [2].

体内活性

The predominant effects of Bepridil (cumulative dose = 9.0 mg/kg i.v.) in the conscious rat were reduced coronary vascular resistance and heart rate. Bepridil showed selectivity for the coronary circulation since systemic vascular resistance was not significantly reduced until cumulative i.v. dosage of 21.0 mg/kg was administered [1].

储存

Powder: -20°C for 3 years | In solvent: -80°C for 1 year | Shipping with blue ice.

For technical support and original validation data for this product please contact

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