

Product Data Sheet

Product Name: HMR 1556

Cat. No.: GC34616

Chemical Properties

Cas. No. 223749-46-0

SMILES CS(N([C@H]1C2=CC(OCCCC(F)(F)F)=CC=C2OC(C)(C)[C@@H]1O)C)(=O)=O

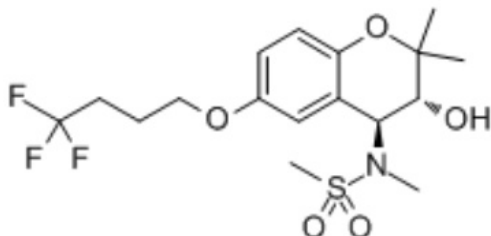
Formula $C_{17}H_{24}F_3NO_5S$ M.Wt 411.44

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

HMR 1556, a chromanol derivative, is a IKs blocker with IC₅₀s of 10.5 nM and 34 nM in canine and guinea pig left ventricular myocytes, respectively[1][2]. IC₅₀: 10.5 nM (IKs in canine left ventricular myocytes), 34 nM (IKs in guinea pig left ventricular myocytes)[1]

HMR 1556 inhibits I_{to}, I_{Ca,L} and I_{Kr} with IC₅₀s of 33.9 μM, 27.5 μM, 12.6 μM in canine left

Caution: Product has not been fully validated for medical applications. For research use only.

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ventricular myocytes, respectively[1].

[1]. Thomas GP, et al. HMR 1556, a potent and selective blocker of slowly activating delayed rectifier potassium current. J Cardiovasc Pharmacol. 2003 Jan;41(1):140-7. [2]. Gerlach U, et al. Synthesis and activity of novel and selective I(Ks)-channel blockers. J Med Chem. 2001 Nov 8;44(23):3831-7.

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