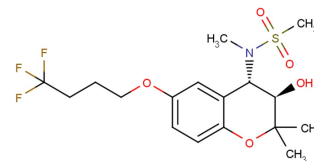


HMR 1556

Chemical Properties

CAS No.:	223749-46-0
Formula:	C17H24F3NO5S
Molecular Weight:	411.44
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	HMR 1556 is a chromanol derivative and is an IKs blocker (IC50s of 10.5 nM and 34 nM in canine and guinea pig left ventricular myocytes, respectively).
Targets(IC50)	IKs in canine left ventricular myocytes: 10.5 nM IKs in guinea pig left ventricular myocytes: 34 nM
In vitro	HMR 1556 suppresses Ito, ICa, L, and IKr (IC50s: 33.9 µM, 27.5 µM, 12.6 µM in canine left ventricular myocytes, respectively) [1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.43 mL	12.152 mL	24.305 mL
5 mM	0.486 mL	2.43 mL	4.861 mL
10 mM	0.243 mL	1.215 mL	2.43 mL
50 mM	0.049 mL	0.243 mL	0.486 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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