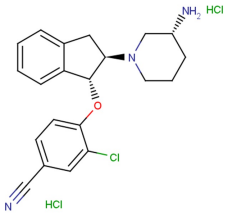
Data Sheet (Cat.No.T12849L)

TargetMol
A DRUG SCREENING EXPERT

SAR7334 hydrochloride

Chemical Properties



CAS No.:	1333207-63-8
Formula:	C21H24Cl3N3O
Molecular Weight:	440.79
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	SAR7334 hydrochloride is a potent and specific inhibitor of TRPC6(IC50 of 7.9 nM).
Targets(IC_{50})	TRPC6 currents: 7.9 nM
In vivo	In isolated perfused lungs from mice, SAR7334 (10 mg/kg, p.o.) inhibits TRPC6-dependent acute HPV. it is suitable for chronic oral administration. In an initial short-term study, SAR7334 does not change mean arterial pressure in spontaneously hypertensive rats (SHR)[3].

Solubility Information

Solubility	DMSO: 100 mg/mL (226.87 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.269 mL	11.343 mL	22.687 mL
5 mM	0.454 mL	2.269 mL	4.537 mL
10 mM	0.227 mL	1.134 mL	2.269 mL
50 mM	0.045 mL	0.227 mL	0.454 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 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Ilatovskaya DV, et al. The Role of Angiotensin II in Glomerular Volume Dynamics and Podocyte Calcium Handling. Sci Rep. 2017 Mar 22;7(1):299.

2. Chauvet S, et al. Pharmacological Characterization of the Native Store-Operated Calcium Channels of Cortical Neurons from Embryonic Mouse Brain. Front Pharmacol. 2016 Dec 12;7:486.

3. Maier T, et al. Discovery and pharmacological characterization of a novel potent inhibitor of diacylglycerol-sensitive TRPC cation channels. Br J Pharmacol. 2015 Jul;172(14):3650-60.

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