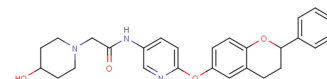


ORM-10962

Chemical Properties

CAS No.:	763926-98-3
Formula:	C27H29N3O4
Molecular Weight:	459.54
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	ORM-10962 is a potent, highly selective inhibitor of sodium-calcium exchanger (NCX) (for the reverse and forward mode inhibition with IC50 values of 67 and 55 nM, respectively).
Targets(IC50)	NCX: None

Solubility Information

Solubility	DMSO: 250 mg/mL (544.02 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.176 mL	10.88 mL	21.761 mL
5 mM	0.435 mL	2.176 mL	4.352 mL
10 mM	0.218 mL	1.088 mL	2.176 mL
50 mM	0.044 mL	0.218 mL	0.435 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

- Kohajda Z, et al. The Effect of a Novel Highly Selective Inhibitor of the Sodium/Calcium Exchanger (NCX) on Cardiac Arrhythmias in In Vitro and In Vivo Experiments. PLoS One. 2016 Nov 10;11(11):e0166041.
- Oravec K, et al. Inotropic effect of NCX inhibition depends on the relative activity of the reverse NCX assessed by a novel inhibitor ORM-10962 on canine ventricular myocytes. Eur J Pharmacol. 2018 Jan 5;818:278-286.

Inhibitors · Natural Compounds · Compound Libraries

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