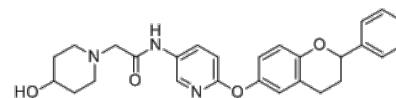


Product Name : ORM-10962
Cat. No. : PC-63232
CAS No. : 763926-98-3
Molecular Formula : C₂₇H₂₉N₃O₄
Molecular Weight : 459.546
Target : Sodium-calcium Exchanger (NCX)
Solubility : 10 mM in DMSO



Biological Activity

ORM-10962 is a potent, highly selective **sodium-calcium exchanger** (NCX) inhibitor, significantly reduces inward/outward NCX currents with IC₅₀ of 55 and 67 nM, respectively.

ORM-10962 does not modify significantly the magnitude of I_{CaL} in cardiac myocytes, as well as the inward rectifier, transient outward, I_{Ks}, the late and peak sodium and Na⁺/K⁺ pump currents.

ORM-10962 can exert positive as well as negative inotropic effect depending on the actual operation mode of NCX.

References

Kohajda Z, et al. *PLoS One*. 2016 Nov 10;11(11):e0166041.

Oravec K, et al. *Eur J Pharmacol*. 2018 Jan 5;818:278-286.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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