

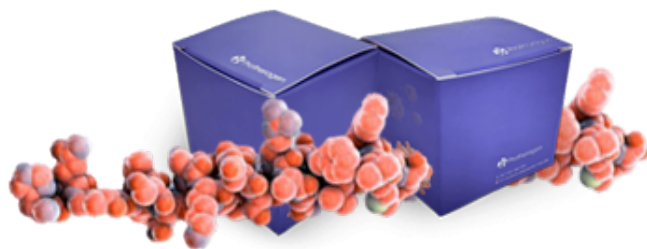
Ranolazine 2HCl

Cat. No.:	OB0225WX-2415
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	50 mg; 100 mg; 200 mg; 500 mg

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Ranolazine 2HCl is a piperazine derivative that acts as a sodium/calcium channel modulator to inhibit intracellular calcium uptake.
Synonym	RS-43285; RS 43285-193; Ranexa; Renolazine; Ranolazine dihydrochloride; 95635-56-6; Ranolazine HCl; Ranolazine hydrochloride; Ranolazine 2HCl; renolazine; <i>N</i> -(2,6-Dimethylphenyl)-2-(4-(2-hydroxy-3-(2-methoxyphenoxy)propyl)piperazin-1-yl)acetamide dihydrochloride; RS-43285; Ranolazine (dihydrochloride); Ranolazine -D8 Dihydrochloride; <i>N</i> -(2,6-dimethylphenyl)-2-[4-[2-hydroxy-3-(2-methoxyphenoxy)propyl]piperazin-1-yl]acetamide dihydrochloride; Ranolazinedihydrochlorid e; Hydrochloride, Ranolazine; Dihydrochloride, Ranolazine; <i>N</i> -(2,6-dimethylphenyl)-2-{4-[2-hydroxy-3-(2-methoxyphenoxy)propyl]piperazin-1-yl}acetamide dihydrochloride; Ranolazindihydrochlorid; ra-nolazine hydrochloride; (+)-4-(2-Hydroxy-3-(2-methoxyphenoxy)propyl)-1-piperazineacetamide dihydrochloride; 1-Piperazineacetamide, <i>N</i> -(2,6-dimethylphenyl)-4-(2-hydroxy-3-(2-methoxyphenoxy)propyl)-, dihydrochloride, (+)-; <i>N</i> -(2,6-Dimethylphenyl)-2-(4-(2-hydroxy-3-(2-methoxyphenoxy)-propyl)piperazin-1-yl)acetamide dihydrochloride; <i>N</i> -(2,6-dimethylphenyl)-2-[4-[2-hydroxy-3-(2-methoxyphenoxy)propyl]piperazin-1-yl]acetamide;dihydrochloride; <i>N</i> -(2,6-Dimethylphenyl)-4-[2-hydroxy-3-(2-methoxyphenoxy)propyl]-1-piperazineacetamide dihydrochloride
CAS No.	95635-56-6
Compound CID	71279



Formula	$C_{24}H_{33}N_3O_4 \cdot 2HCl$
Formula Weight	500.46

Specification

IUPAC Name	<i>N</i> -(2,6-Dimethylphenyl)-2-[4-[2-hydroxy-3-(2-methoxyphenoxy)propyl]piperazin-1-yl]acetamide;dihydrochloride
InChI	InChI=1S/C24H33N3O4.2ClH/c1-18-7-6-8-19(2)24(18)25-23(29)16-27-13-11-26(12-14-27)15-20(28)17-31-22-10-5-4-9-21(22)30-3;/h4-10,20,28H,11-17H2,1-3H3,(H,25,29);2* 1H
InChI Key	RJNSNFZXAZXOFX-UHFFFAOYSA-N
SMILES string	<chem>CC1=C(C(=CC=C1)C)NC(=O)CN2CCN(CC2)CC(COC3=CC=CC=C3OC)O.Cl.Cl</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Ranolazine 2HCl is utilized in cardiovascular research to investigate the inhibition of the late sodium current (INaL) and its impact on reducing intracellular calcium overload and improving myocardial ischemia.

Library Information

Target	Calcium channel
Receptor	Calcium channel
Pathways	Transmembrane transporters
Plate Number	L6700-01
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	100 mg/mL; 199.82 mM
Water Max Solubility	100 mg/mL; 199.82 mM
ALogP	3.755
HBA_Count	3
HBD_Count	2
Rotatable Bond	9