

# Ranolazine (dihydrochloride)

Catalog No: tcsc1130



## Available Sizes

Size: 100mg

Size: 200mg

Size: 500mg

Size: 1g

Size: 5g



## Specifications

### CAS No:

95635-56-6

### Formula:

$C_{24}H_{35}Cl_2N_3O_4$

### Pathway:

Membrane Transporter/Ion Channel;Autophagy;Membrane Transporter/Ion Channel

### Target:

Calcium Channel;Autophagy;Sodium Channel

### Purity / Grade:

>98%

### Solubility:

DMSO :  $\geq 50$  mg/mL (99.91 mM); H<sub>2</sub>O :  $\geq 50$  mg/mL (99.91 mM)

### Alternative Names:

RS 43285

**Observed Molecular Weight:**

500.46

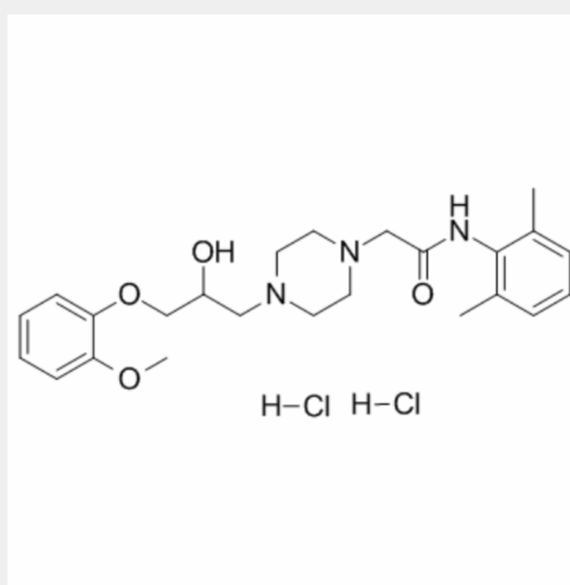
**Product Description**

Ranolazine(RS-43285) is an antianginal agent with antiarrhythmic properties that achieves its effects via a novel mechanism of action (inhibition of the late phase of the inward sodium current), without affecting heart rate or blood pressure (BP).

IC50 value:

Target: sodium-dependent calcium channel

Ranolazine is currently approved for use in chronic angina. The basis for this use is likely related to inhibition of late sodium channels with resultant beneficial downstream effects. Randomized clinical trials have demonstrated an improvement in exercise capacity and reduction in angina episodes with ranolazine.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!