

Ranolazine

Catalog No: tcsc2292



Available Sizes

Size: 100mg

Size: 200mg

Size: 500mg



Specifications

CAS No:

95635-55-5

Formula:

$C_{24}H_{33}N_3O_4$

Pathway:

Membrane Transporter/Ion Channel;Membrane Transporter/Ion Channel

Target:

Calcium Channel;Sodium Channel

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

CVT 303;RS 43285-003

Observed Molecular Weight:

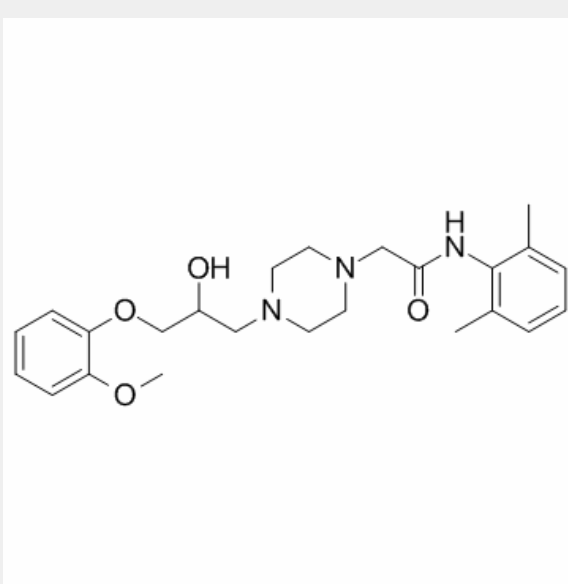
427.54

Product Description

Ranolazine is an antianginal medication.

Target: Sodium Channel

Ranolazine is believed to have its effects via altering the transcellular late sodium current. It affects the sodium-dependent calcium channels during myocardial ischemia in rabbits by altering the intracellular sodium level [1]. Thus, ranolazine indirectly prevents the calcium overload that causes cardiac ischemia in rats [2]. The effects of ranolazine on the NaV 1.7 and NaV 1.8 sodium channels also make it potentially useful in the treatment of neuropathic pain. Ranolazine produced dose-dependant analgesia on mechanical allodynia induced by CFA injection, but had no effect on thermal hyperalgesia [3, 4].



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