



LKT Laboratories, Inc.

Ranolazine Dihydrochloride

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID R0154

CAS No. 95635-56-6

Chemical Name N-(2,6-Dimethylphenyl)-4-[2-hydroxy-3-(2-methoxyphenoxy)propyl]-1-piperazineacetamide dihydrochloride

Synonym RS-43285

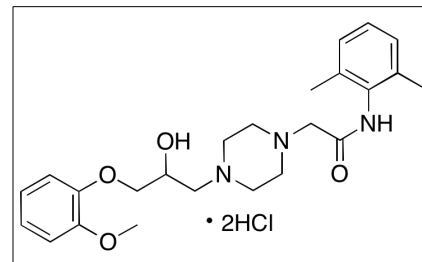
Formula $C_{24}H_{33}N_3O_4 \cdot 2HCl$

Formula Wt. 500.47

Melting Point 164-166°C

Purity ≥98%

Solubility Soluble in water.



Bulk quantities available upon request

Product ID	Size
------------	------

R0154	25 mg
-------	-------

R0154	100 mg
-------	--------

R0154	500 mg
-------	--------

R0154	1 g
-------	-----

Store Temp Ambient

Ship Temp Ambient

Description Ranolazine exhibits anti-anginal, anti-arrhythmic, and cardioprotective activities; it is clinically used to treat angina pectoris. Ranolazine inhibits the late Na^+ current ($Na_v1.7$ and $Na_v1.7$ channels) and subsequent intracellular Ca^{2+} accumulation. In hypertensive rats, ranolazine decreases end diastolic pressure, improving diastolic function and decreasing free Ca^{2+} levels. In other animal models, ranolazine inhibits induction of atrial flutter and atrial fibrillation.

References Tocchetti CG, Carpi A, Coppola C, et al. Ranolazine protects from doxorubicin-induced oxidative stress and cardiac dysfunction. *Eur J Heart Fail.* 2014 Jan 6. [Epub ahead of print]. PMID: 24464789.

Aldakkak M, Stowe DF, Camara AK. Safety and Efficacy of Ranolazine for the Treatment of Chronic Angina Pectoris. *Clin Med Insights Ther.* 2013 Jan 15;2013(5):1-14. PMID: 24574825.

Aidonidis I, Doulas K, Hatziefthimiou A, et al. Ranolazine-induced postrepolarization refractoriness suppresses induction of atrial flutter and fibrillation in anesthetized rabbits. *J Cardiovasc Pharmacol Ther.* 2013 Jan;18(1):94-101. PMID: 22872232.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.