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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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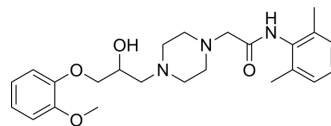
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Ranolazine (Standard)

Cat. No.:	HY-B0280R
CAS No.:	95635-55-5
Molecular Formula:	C ₂₄ H ₃₃ N ₃ O ₄
Molecular Weight:	427.54
Target:	Sodium Channel; Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ranolazine (Standard) is the analytical standard of Ranolazine. This product is intended for research and analytical applications. Ranolazine (CVT 303) is an anti-angina drug that achieves its effects by inhibiting the late phase of inward sodium current (I_{Na} and I_{Kr} with IC_{50} values of 6 μ M and 12 μ M, respectively) without affecting heart rate or blood pressure (BP) ^{[1][2]} . Ranolazine is also a partial fatty acid oxidation (FAO) inhibitor ^[3] . Antianginal agent.
IC ₅₀ & Target	IC ₅₀ : 6 μ M (I_{Na}), 12 μ M (I_{Kr}) ^[1]

REFERENCES

- [1]. Keating GM. Ranolazine: a review of its use as add-on therapy in patients with chronic stable angina pectoris. *Drugs*. 2013 Jan;73(1):55-73.
- [2]. Wang WQ, et al. Antitardogenic effects of ((+/-)-N-(2,6-dimethyl-phenyl)-(4[2-hydroxy-3-(2-methoxyphenoxy)propyl]-1-piperazine) in anesthetized rabbits. *J Pharmacol Exp Ther*. 2008 Jun;325(3):875-81.
- [3]. Zacharowski K, et al. Ranolazine, a partial fatty acid oxidation inhibitor, reduces myocardial infarct size and cardiac troponin T release in the rat. *Eur J Pharmacol*. 2001 Apr 20;418(1-2):105-10.

Caution: Product has not been fully validated for medical applications. For research use only.

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