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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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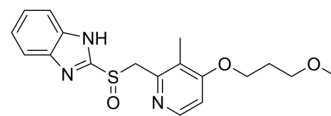
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Rabeprazole (Standard)

Cat. No.:	HY-B0656R
CAS No.:	117976-89-3
Molecular Formula:	C ₁₈ H ₂₁ N ₃ O ₃ S
Molecular Weight:	359.44
Target:	Proton Pump; Bacterial; Apoptosis
Pathway:	Membrane Transporter/Ion Channel; Anti-infection; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Rabeprazole (Standard) is the analytical standard of Rabeprazole. This product is intended for research and analytical applications. Rabeprazole (LY307640) is a second-generation proton pump inhibitor (PPI) that irreversibly inactivates gastric H ⁺ /K ⁺ -ATPase. Rabeprazole induces apoptosis. Rabeprazole acts as an uridine nucleoside ribohydrolase (UNH) inhibitor with an IC ₅₀ of 0.3 μM. Rabeprazole can be used for the research of gastric ulcerations and gastroesophageal reflux ^{[1][2][3]} .
IC₅₀ & Target	Pump inhibitor (PPI) ^[1] IC50: 0.3 μM (UNH) ^[1] H ⁺ /K ⁺ -ATPase ^[2] Apoptosis ^[2]

REFERENCES

- [1]. Tara A Shea, et al. Identification of Proton-Pump Inhibitor Drugs That Inhibit *Trichomonas Vaginalis* Uridine Nucleoside Ribohydrolase. *Bioorg Med Chem Lett*. 2014 Feb 15;24(4):1080-4.
- [2]. Aly A M Shaalan, et al. Supplement With Calcium or Alendronate Suppresses Osteopenia Due to Long Term Rabeprazole Treatment in Female Mice: Influence on Bone TRAP and Osteopontin Levels. *Front Pharmacol*. 2020 May 13;11:583.
- [3]. Mengli Gu, et al. Rabeprazole Exhibits Antiproliferative Effects on Human Gastric Cancer Cell Lines. *Oncol Lett*. 2014 Oct;8(4):1739-1744.

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

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