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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

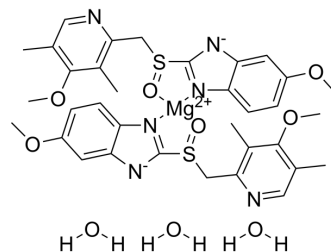
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Esomeprazole magnesium trihydrate (Standard)

Cat. No.:	HY-17022R
CAS No.:	217087-09-7
Molecular Formula:	C ₃₄ H ₄₂ MgN ₆ O ₉ S ₂
Molecular Weight:	767.17
Target:	Proton Pump
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Esomeprazole magnesium (trihydrate) (Standard) is the analytical standard of Esomeprazole magnesium (trihydrate). This product is intended for research and analytical applications. Esomeprazole magnesium trihydrate ((S)-Omeprazole magnesium trihydrate) is a potent and orally active H ⁺ , K ⁺ -ATPase inhibitor. Esomeprazole magnesium trihydrate has the potential for upper intestinal disorders and gastroesophageal reflux disease research ^{[1][2]} . Esomeprazole magnesium trihydrate acts as an exosome inhibitor by blocking the exosome release via the inhibition of V-H ⁺ -ATPases ^[4] .
IC₅₀ & Target	H ⁺ , K ⁺ -ATPase ^[1]

REFERENCES

- [1]. Timothy R Koch, et al. Effect of the H, K-ATPase inhibitor, esomeprazole magnesium, on gut total antioxidant capacity in mice. *J Nutr Biochem*. 2004 Sep;15(9):522-6.
- [2]. Pankaj Kumar, et al. Preparation and characterization of pH-sensitive methyl methacrylate-g-starch/hydroxypropylated starch hydrogels: in vitro and in vivo study on release of esomeprazole magnesium. *Drug Deliv Transl Res*. 2015 Jun;5(3):243-56.
- [3]. 2013 Annual Meeting. Abstract Supplement
- [4]. Huarui Zhang, et al. Advances in the discovery of exosome inhibitors in cancer. *J Enzyme Inhib Med Chem*. 2020 Dec;35(1):1322-1330.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA