



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

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)



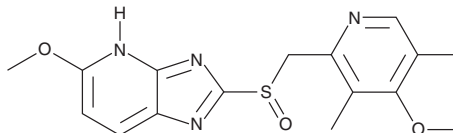
PRODUCT INFORMATION



Tenatoprazole

Item No. 18717

CAS Registry No.: 113712-98-4
Formal Name: 5-methoxy-2-[[[4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulfinyl]-3H-imidazo[4,5-b]pyridine
Synonym: TU-199
MF: C₁₆H₁₈N₄O₃S
FW: 346.4
Purity: ≥98%
UV/Vis.: λ_{max}: 306 nm
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Tenatoprazole is supplied as a solid. A stock solution may be made by dissolving the tenatoprazole in the solvent of choice. Tenatoprazole is soluble in organic solvents such as methanol, which should be purged with an inert gas. The solubility of tenatoprazole in these solvents is approximately 10 mg/ml.

Description

Tenatoprazole is a proton pump inhibitor, blocking hog gastric H⁺/K⁺-ATPase activity with an IC₅₀ value of 6.2 μM.¹ It is orally bioavailable, blocking induced gastric acid secretion and ulcer formation in rats and humans.¹⁻³ Tenatoprazole has a prolonged plasma half-life resulting in persistent effectiveness after withdrawal.³

References

1. Uchiyama, K., Wakatsuki, D., Kakinoki, B., *et al.* Effects of TU-199, a novel H⁺, K⁽⁺⁾-ATPase inhibitor, on gastric acid secretion and gastroduodenal ulcers in rats. *Methods Find. Exp. Clin. Pharmacol.* **21**(2), 115-122 (1999).
2. Galmiche, J. P., Bruley Des Varannes, S., Ducrotté, P., *et al.* Tenatoprazole, a novel proton pump inhibitor with a prolonged plasma half-life: Effects on intragastric pH and comparison with esomeprazole in healthy volunteers. *Aliment Pharmacol. Ther.* **19**(6), 655-662 (2004).
3. Hunt, R. H., Armstrong, D., James, C., *et al.* Effect on intragastric pH of a PPI with a prolonged plasma half-life: Comparison between tenatoprazole and esomeprazole on the duration of acid suppression in healthy male volunteers. *Am. J. Gastroenterol.* **100**(9), 1949-1956 (2005).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 11/06/2018

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM