



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

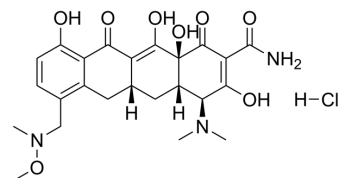
mail@szabo-scandic.com

www.szabo-scandic.com

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

Sarecycline hydrochloride (Standard)

Cat. No.:	HY-13858AR
CAS No.:	1035979-44-2
Molecular Formula:	C ₂₄ H ₃₀ ClN ₃ O ₈
Molecular Weight:	523.96
Target:	Bacterial; DNA/RNA Synthesis; Antibiotic
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Sarecycline (hydrochloride) (Standard) is the analytical standard of Sarecycline (hydrochloride). This product is intended for research and analytical applications. Sarecycline hydrochloride is an orally active narrow-spectrum tetracycline derivative antibiotic. Sarecycline hydrochloride has anti-inflammatory activity. Sarecycline hydrochloride inhibits the activity of Gram-positive bacteria and several types of keratobacterium acnes. Sarecycline hydrochloride interferes with tRNA accommodation and tethers mRNA to the 70S ribosome. Sarecycline hydrochloride can be used to study moderate to severe acne ^{[1][2][3][4][5][6]}.

REFERENCES

- [1]. Zhanel G, Critchley I, Lin LY, Alvandi N. Microbiological Profile of Sarecycline, a Novel Targeted Spectrum Tetracycline for the Treatment of Acne Vulgaris. *Antimicrob Agents Chemother.* 2018;63(1):e01297-18. Published 2018 Dec 21.
- [2]. Moore AY, Charles JEM, Moore S. Sarecycline: a narrow spectrum tetracycline for the treatment of moderate-to-severe acne vulgaris. *Future Microbiol.* 2019;14(14):1235-1242.
- [3]. Batool Z, et al. Sarecycline interferes with tRNA accommodation and tethers mRNA to the 70S ribosome. *Proc Natl Acad Sci U S A.* 2020;117(34):20530-20537.
- [4]. Butler MS, et al. Antibiotics in the clinical pipeline in 2013. *J Antibiot (Tokyo).* 2013 Oct;66(10):571-91.
- [5]. Moore AY, et al. Sarecycline: a narrow spectrum tetracycline for the treatment of moderate-to-severe acne vulgaris. *Future Microbiol.* 2019 Sep;14(14):1235-1242.
- [6]. Bunick CG, et al. Antibacterial Mechanisms and Efficacy of Sarecycline in Animal Models of Infection and Inflammation. *Antibiotics (Basel).* 2021 Apr 15;10(4):439.

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