



# 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

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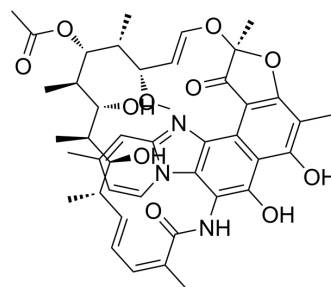
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## Rifaximin (Standard)

Cat. No.:	HY-13234R
CAS No.:	80621-81-4
Molecular Formula:	C <sub>43</sub> H <sub>51</sub> N <sub>3</sub> O <sub>11</sub>
Molecular Weight:	785.88
Target:	DNA/RNA Synthesis; Bacterial; Antibiotic
Pathway:	Cell Cycle/DNA Damage; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Rifaximin (Standard) is the analytical standard of Rifaximin. This product is intended for research and analytical applications. Rifaximin, a gastrointestinal-selective antibiotic, binds the  $\beta$ -subunit of bacterial DNA-dependent RNA polymerase, resulting in inhibition of bacterial RNA synthesis. Rifaximin susceptibility is higher against Gram-positive strains (MIC: 0.03-5 mg/ml) compared to Gram-negative bacteria (MIC: 8-50 mg/mL)<sup>[1][2]</sup>.

### REFERENCES

- [1]. Veronica Ojetti, et al. Rifaximin pharmacology and clinical implications. *Expert Opin Drug Metab Toxicol*. 2009 Jun;5(6):675-82.
- [2]. Giuseppe Esposito, et al. Rifaximin, a non-absorbable antibiotic, inhibits the release of pro-angiogenic mediators in colon cancer cells through a pregnane X receptor-dependent pathway. *Int J Oncol*. 2016 Aug;49(2):639-45.
- [3]. Stefano Fiorucci, et al. Inhibition of intestinal bacterial translocation with rifaximin modulates lamina propria monocytic cells reactivity and protects against inflammation in a rodent model of colitis. *Digestion*. 2002;66(4):246-56.

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

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