

# Rifaximin

**Catalog No: tcsc0862**



## Available Sizes

**Size:** 500mg

**Size:** 1g

**Size:** 5g



## Specifications

**CAS No:**

80621-81-4

**Formula:**

$C_{43}H_{51}N_3O_{11}$

**Pathway:**

Anti-infection

**Target:**

Bacterial

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 26$  mg/mL (33.08 mM)

**Observed Molecular Weight:**

785.88

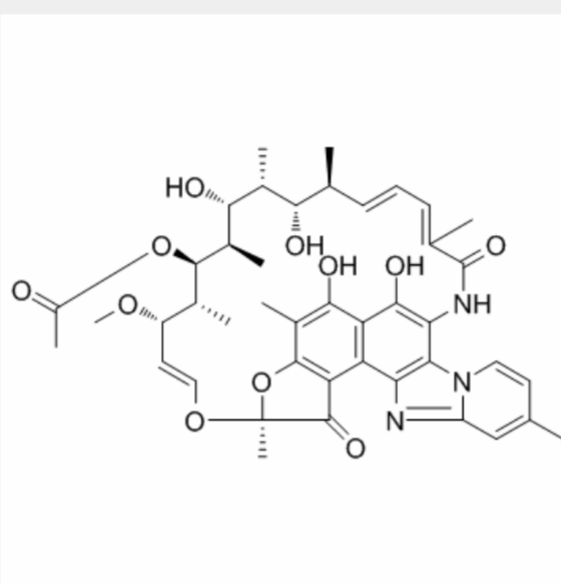
## Product Description

Rifaximin(Xifaxan) is an orally administered, semi-synthetic, nonsystemic antibiotic derived from rifamycin SV with antibacterial activity.

IC50 Value:

Target: RNA polymerase; antibacterial

Rifaximin is a semisynthetic, rifamycin-based non-systemic antibiotic, meaning that very little of the drug will pass the gastrointestinal wall into the circulation as is common for other types of orally administered antibiotics. It is used in the treatment of traveler's diarrhea and hepatic encephalopathy, for which it received orphan drug status from the U.S. Food and Drug Administration in 1998. Rifaximin interferes with transcription by binding to the  $\beta$ -subunit of bacterial RNA polymerase. This results in the blockage of the translocation step that normally follows the formation of the first phosphodiester bond, which occurs in the transcription process. From Wikipedia.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!