

# Rifabutin

**Catalog No: tcsc0635**



## Available Sizes

**Size:** 50mg

**Size:** 100mg

**Size:** 500mg



## Specifications

**CAS No:**

72559-06-9

**Formula:**

$C_{46}H_{62}N_4O_{11}$

**Pathway:**

Anti-infection

**Target:**

Bacterial

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 100$  mg/mL (118.06 mM)

**Alternative Names:**

Ansamycin; LM-427

**Observed Molecular Weight:**

847

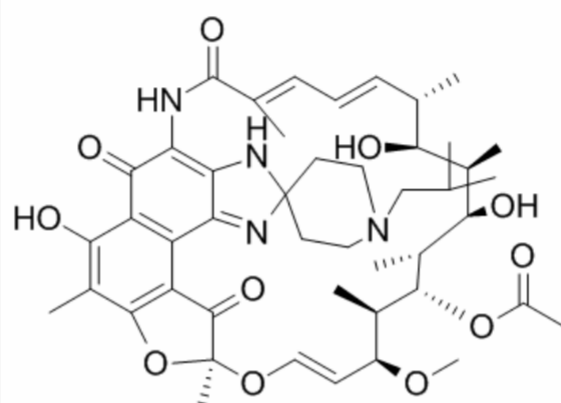
## Product Description

Rifabutin (Ansamycin) is a semisynthetic ansamycin antibiotic with potent antimycobacterial properties.

IC50 & Target: Antibacterial

**In Vitro:** Rifabutin is primarily bactericidal antibiotic drug used to treat tuberculosis. Its effect on bacteria is based on the DNA-dependent RNA polymerase blocking drug rifamycin S., a semi-synthetic derivative. It is effective, for example, in highly resistant mycobacteria, Gram-positive bacteria (and some are effective against Gram-negative bacteria), but also against Mycobacterium tuberculosis, M. leprae, and M. avium intracellulare.

Rifabutin is an antibiotic; antitumor. Rifabutin interferes with HSP-90 molecular chaperone, enhances ubiquitination and protein degradation, and inactivates bacterial RNA polymerase.



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