



## **Rifabutin**

**Catalog No: tcsc0635** 

Available Sizes	
Size: 50mg	
Size: 100mg	
Size: 500mg	
Specifications	
<b>CAS No:</b> 72559-06-9	
Formula: $\mathbf{C_{46}H_{62}N_4O_{11}}$	
Pathway: Anti-infection	
Target: Bacterial	
Purity / Grade: >98%	
Solubility: DMSO : ≥ 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!