Rifamycin is an ansamycin antibiotic that exhibits antibacterial and anti-inflammatory activities. Rifamycin inhibits bacterial DNA-dependent RNA polymerase, preventing formation of the initiation complex in transcription and suppressing RNA synthesis. Rifamycin displays efficacy against *Mycobacterium*, *Clostridium*, and *Enterobacter*. This compound also decreases LPS-stimulated cytokine synthesis in macrophages and cytokine secretion from CD4+ T cells in cellular models.

**References**

