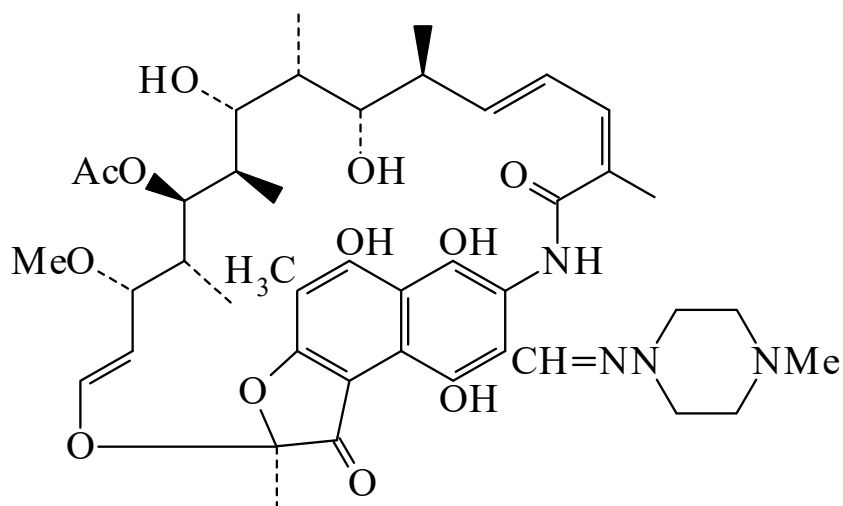




>>Entry Name: Rifampicin, BAN, INN, JAN

Synonym(s): 3-[[[4-Methyl-1-piperazinyl]imino]methyl]rifamycin, 9Cl. **Rifampin**, USAN. Rifadin. Rimactane. Rifaldazine. Ba 41166/E. Many other names



CAS Registry Number: 13292-46-1

Molecular Formula: C₄₃H₅₈N₄O₁₂

Molecular Weight: 822.951

Accurate Mass: 822.405126

Percentage Composition: C 62.76%; H 7.10%; N 6.81%; O 23.33%

Biological Source: Prod. from *Streptomyces mediterranei*

Use/Importance: Possesses antibacterial and antitubercular props.

Physical Description: Red-orange platelets (Me₂CO)

Melting Point: Mp 183-188 dec.°

Calculated Log P Data: Log P 1.81 (uncertain value) (calc)

Other Data: λ_{max} 237 (ε 33 200), 255 (32 100), 334 (27 000) and 475 nm (15 400) (pH 7.38)

Hazard & Toxicity: Adverse effects reported when used therapeutically. LD₅₀ (rat, orl) 1570 mg/kg. Exp. neoplastic, teratogenic, and hepatic effects. Causes contact dermatitis

Fluka: 83907

Sigma: R9394

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