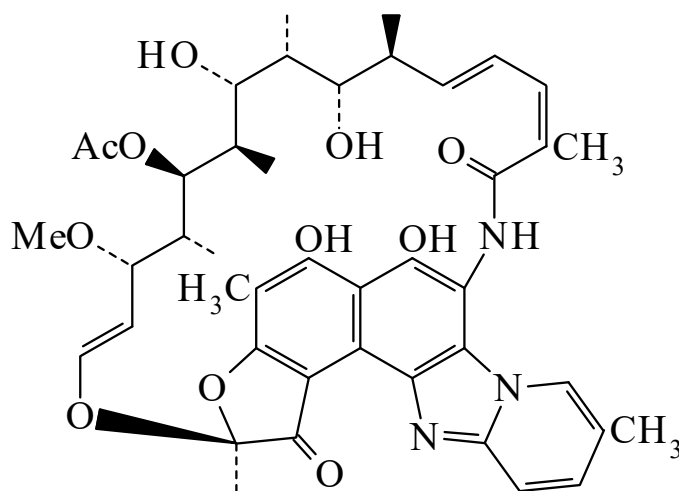




>>Entry Name: Rifaximin, INN, USAN

Synonym(s): 25-(Acetyloxy)-5,6,21,23-tetrahydroxy-27-methoxy-2,4,11,16,20,22,24,26-octamethyl-2,7-(epoxypentadeca[1,11,13]trienimino)benzofuro[4,5-*e*]pyrido[1,2-*a*]benzimidazole-1,15(2*H*)-dione, 9CI. Normix. Rifaxidin. Rifacol. **L 105‡**



CAS Registry Number: 80621-81-4

Molecular Formula: C₄₃H₅₁N₃O₁₁

Molecular Weight: 785.889

Accurate Mass: 785.352362

Percentage Composition: C 65.72%; H 6.54%; N 5.35%; O 22.39%

Use/Importance: Antibacterial agent

Physical Description: Cryst. (EtOH aq.)

Development Status: Launched 1985

Calculated Log P Data: Log P 4.91 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) >2000 mg/kg

References:

de Angelis, L., *Drugs of the Future*, 1982, **7**, 260, (rev)

Brufani, M. *et al.*, *J. Antibiot.*, 1984, **37**, 1611, (synth, pmr, pharmacol)

Marchi, E. *et al.*, *J. Med. Chem.*, 1985, **28**, 960, (synth, pharmacol)

Venturini, A.P. *et al.*, *Chemioterapia*, 1986, **5**, 257; 263, (pharmacol, tox)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 200

Gillis, J.C. *et al.*, *Drugs*, 1995, **49**, 467, (rev)