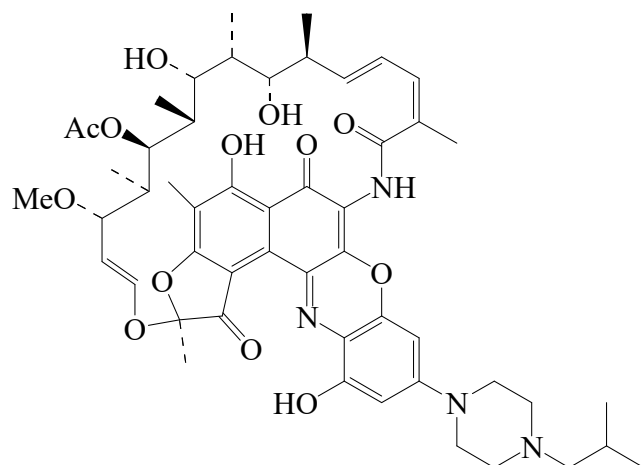




>>Entry Name: Rifalazil, INN, USAN

Synonym(s): 1',4-Didehydro-1-deoxy-1,4-dihydro-3'-hydroxy-5'-[4-(2-methylpropyl)-1-piperazinyl]-1-oxorifamycin VIII, 9Cl. 3'-Hydroxy-5'-(4-isobutyl-1-piperazinyl) benzoxazinorifamycin. KRM 1648



CAS Registry Number: 129791-92-0

Molecular Formula: C₅₁H₆₄N₄O₁₃

Molecular Weight: 941.086

Accurate Mass: 940.446991

Percentage Composition: C 65.09%; H 6.85%; N 5.95%; O 22.10%

Biological Use/Importance: Antitubercular agent

Physical Description: Cryst. (CHCl₃/hexane)

Melting Point: Mp 195-200° (dec.)

Other Data: Deriv. of Rifamycin SV [BDT62-O](#)

References:

Eur. Pat., 1990, Kanegafuchi, 366 914; *CA*, **113**, 171779s, (synth, pharmacol)

Saito, H. *et al.*, *Antimicrob. Agents Chemother.*, 1991, **35**, 542-547; 1992, **36**, 387-393; 1993, **37**, 67-70; 722-728; 1995, **39**, 1489-1492; 2295-2303, (pharmacol)

Yamane, T. *et al.*, *Chem. Pharm. Bull.*, 1993, **41**, 148-155, (synth, pmr, pharmacol)

Klemens, S.P. *et al.*, *Antimicrob. Agents Chemother.*, 1994, **38**, 2245-2248, (pharmacol)

Hosoe, K. *et al.*, *J. Chromatogr., B: Biomed. Appl.*, 1994, **653**, 177-186, (hplc)

Mor, N. *et al.*, *Antimicrob. Agents Chemother.*, 1996, **40**, 1482-1485, (activity)

Mae, T. *et al.*, *Xenobiotica*, 1996, **26**, 793-802, (metab)