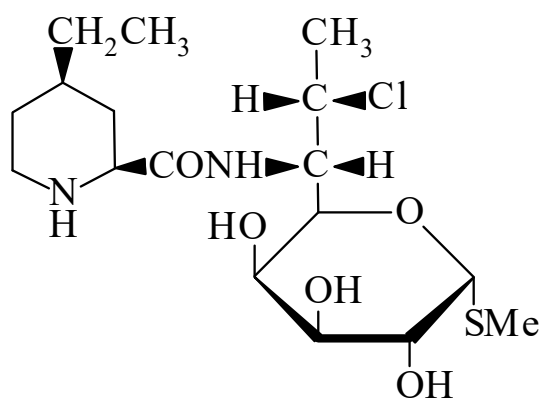




>>Entry Name: Pirlimycin, INN

Synonym(s): U 57930E. Antibiotic U 57930E



CAS Registry Number: 79548-73-5

Related CAS Registry Numbers(s): 77495-92-2

Molecular Formula: $C_{17}H_{31}ClN_2O_5S$

Molecular Weight: 410.961

Accurate Mass: 410.16422

Percentage Composition: C 49.69%; H 7.60%; Cl 8.63%; N 6.82%; O 19.47%; S 7.80%

Use/Importance: Antimalarial agent. Active against aerobic gram-positive bacteria. Used to treat bovine mastitis

Physical Description: Cryst. (H_2O)

Calculated Log P Data: Log P 0.19 (uncertain value) (calc)

Other Data: Clindamycin analogue

>>Derivative: Hydrochloride

Synonym(s): Pirlimycin hydrochloride, USAN

CAS Registry Number: 78822-40-9

Physical Description: Cryst. + $1H_2O$

Melting Point: Mp 210-212°

Optical Rotation: $[\alpha]_D^{25} +181$ (H_2O)

References:

- Ahonkhai, V.I. *et al.*, *Antimicrob. Agents Chemother.*, 1982, **21**, 902, (props)
Martindale, *The Extra Pharmacopoeia*, 28th/29th edn., Pharmaceutical Press, 1982, 147
Birkenmeyer, R.D. *et al.*, *J. Med. Chem.*, 1984, **27**, 216, (synth, props)
Marshall, V.P. *et al.*, *J. Antibiot.*, 1991, **44**, 895, (pmr, cmr)
Thornsberry, C. *et al.*, *Antimicrob. Agents Chemother.*, 1993, **37**, 1122, (use)