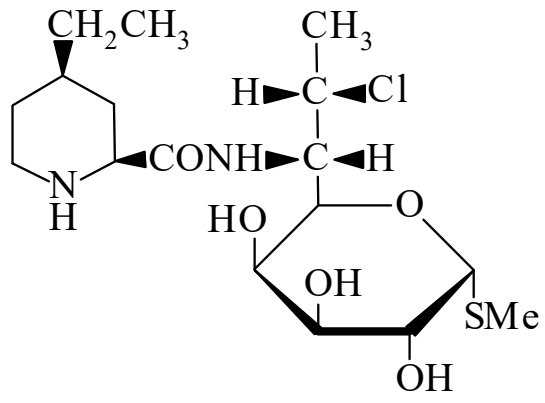
>>**Entry Name: Pirlimycin,** INN
Synonym(s): U 57930E. Antibiotic U 57930E



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
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Marshall, V.P. *et al.*, *J. Antibiot.*, 1991, **44**, 895, *(pmr, cmr)*
Thornsberry, C. *et al.*, *Antimicrob. Agents Chemother.*, 1993, **37**, 1122, *(use)*

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