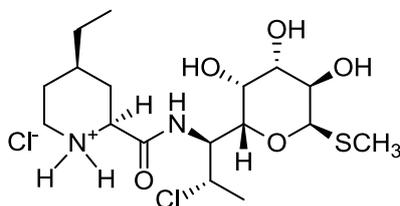


Pirlimycin hydrochloride

Code No.: **BIA-P1504**

Pack sizes: **5 mg, 25 mg**



Synonyms : U 57930E

Specifications

CAS #	: 78822-40-9
Molecular Formula	: C ₁₇ H ₃₂ Cl ₂ N ₂ O ₅ S
Molecular Weight	: 447.4
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >99% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

Application Notes

Pirlimycin hydrochloride is a salt of the semi-synthetic tetracycline analogue, pirlimycin. The hydrochloride salt forms at the basic pipercolic acid moiety and is the preferred pharmaceutical formulation. Like other members of the lincosamide family, pirlimycin hydrochloride is a broad spectrum antibiotic with activity against anaerobic bacteria and protozoans. Pirlimycin hydrochloride acts by binding to the 23S ribosomal subunit, blocking protein synthesis. Pirlimycin hydrochloride has been less extensively researched than the older more established lincosamides.

References

1. Synthesis and antimicrobial activity of clindamycin analogues: pirlimycin, 1,2 a potent antibacterial agent. Birkenmeyer R.D. et al. J. Med. Chem. 1984, 27, 216.
2. In vitro activity of U-57930E, a new clindamycin analog, against aerobic gram-positive bacteria. Ahonkhai V.I. et al. Antimicrob. Agents Chemother. 1982, 21, 902.

Updated: 2 December 2014