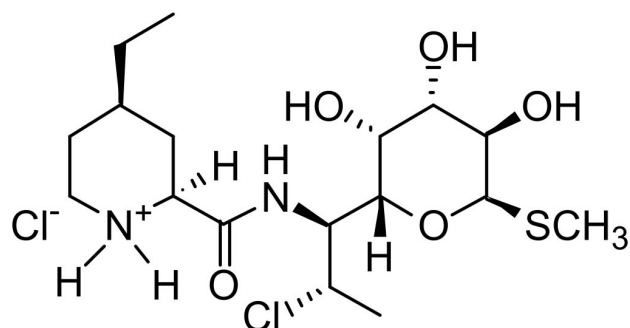


## Pirlimycin hydrochloride

Code No.: BIA-P1504

Pack sizes.: 5mg, 25mg



Synonyms:  
U 57930E

## Specifications

CAS #	: <b>78822-40-9</b>
Molecular Formula	: <b>C17H32Cl2N2O5S</b>
Molecular Weight	: <b>447.4</b>
Source	: -
Appearance	: <b>White solid</b>
Purity	: <b>&gt;99% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.</b>

## 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.