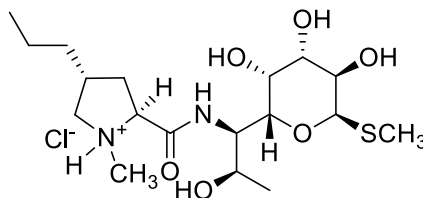


Lincomycin hydrochloride

Code No.: **BIA-L1458**

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



Synonyms : Linocin, NSC 70731, U 10149a

Specifications

CAS #	: 859-18-7
Molecular Formula	: C₁₈H₃₅ClN₂O₆S
Molecular Weight	: 443
Source	: <i>Streptomyces</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

Application Notes

Lincomycin hydrochloride is a salt of lincomycin formed at the basic N-methylproline. The hydrochloride salt is the preferred formulation for pharmaceutical use. Lincomycin hydrochloride is a broad spectrum antibiotic with activity against anaerobic bacteria and protozoans. Lincomycin acts by binding to the 23S ribosomal subunit, blocking protein synthesis. Lincomycin has been extensively studied with over 7,000 literature citations.

References

1. Lincomycin, a new antibiotic. I. Discovery and biological properties. Mason D.J. et al., Antimicrob. Agents Chemother. 1962, 1963, 554.
2. Biological activity of the lincomycin related antibiotics. Mason D.J. & Lewis C. Antimicrob. Agents Chemother. 1964, 10, 7.