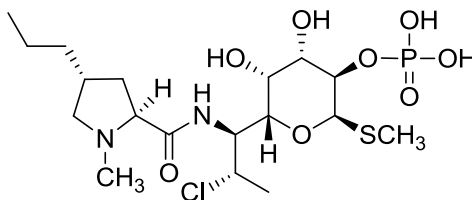


Clindamycin 2-phosphate

Code No.: **BIA-C1503**

Pack sizes: **1 mg, 5 mg**



Synonyms : 7(S)-Chloro-7-deoxylincomycin 2-phosphate, Cleocin phosphate, Clindamycin phosphate, NSC 618653, U 28508

Specifications

CAS #	: 24729-96-2
Molecular Formula	: C₁₈H₃₄ClN₂O₈PS
Molecular Weight	: 505.0
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

Clindamycin 2-phosphate is a salt of clindamycin, a semi-synthetic lincosamide. The salt is prepared by selective phosphorylation of the 2-hydroxy moiety of the sugar of clindamycin. The introduction of the phosphate affords improved solubility for injectable formulations. Like other members of the lincosamide family, clindamycin 2-phosphate is a broad spectrum antibiotic with activity against anaerobic bacteria and protozoans. Clindamycin acts by binding to the 23S ribosomal subunit, blocking protein synthesis.

References

1. Chemical modification of lincomycin. Magerlein B.J. et al. Antimicrob. Agents Chemother. 1966, 6, 727.
2. Synthesis and bioactivity of lincomycin-2-phosphate. Morozowich W.J. Pharm. Sci. 1969, 58, 1485.

Updated: 2 December 2014