Teicoplanin complex

Code No.: BIA-T1187
Pack sizes: 25 mg, 100 mg

Synonyms: Teichomycin, Tecoplanin, Targocid, Teicomid, 8327A, DL 5071T, L 12507, MDL 507, MW 1900

Specifications
CAS #: 61036-62-2
Molecular Formula: C₈₈H₉₇Cl₂N₉O₃₃ (for A2-2)
Molecular Weight: 1877.7
Source: Actinoplanes 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
Teicoplanin complex is family of closely related metabolites produced by Actinoplanes teichomyceticus. Teicoplanin complex possesses potent broad spectrum antibiotic activity against Gram positive bacteria, including MRSA and E. faecalis. The metabolites share a common glycopeptide core (teicoplanin A-3) on which a family of fatty acids varying in length, degree of saturation and branching are linked as amides through one of the aminoglycoside moieties. The major component of the complex is teicoplanin A2 which itself has five major components (teicoplanin A2-1 to A2-5) and four minor components (teicoplanin RS-1 to RS-4).

References

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