

Product Datasheet

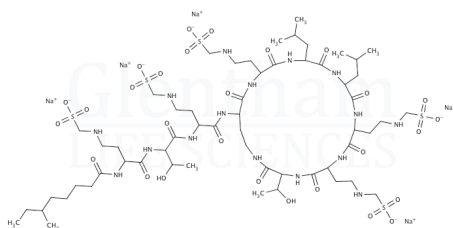
GA2961 - Colistin sodium methanesulfonate

Product Details

| | |
|--------------------|---|
| Product Name | Colistin sodium methanesulfonate |
| Glentham Code | GA2961 |
| CAS Number | 8068-28-8 |
| EINECS | 232-516-9 |
| MDL Number | MFCD00130824 |
| Additional CAS | 21362-08-3 |
| Related Categories | APIs, Antibiotics, Biochemicals, Antimicrobials |

Structure

| | |
|-------------------|--------------------------------------|
| Molecular Weight | : 1759.90 |
| Molecular Formula | : $C_{58}H_{115}N_{16}Na_5O_{28}S_5$ |



Storage

Recommended storage temperature: +4°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glentham Product Specification

| | |
|--------------------------|---|
| Physical Description | : White or off-white powder |
| Solubility (1% in water) | : Clear to very faintly turbid, colourless solution |
| Residue on Ignition | : 16.0 - 21.0 % |
| Loss on Drying | : ≤ 6.0% |
| Potency (dried basis) | : ≥ 11000units/mg |
| Version | : v1.0 |

About Colistin sodium methanesulfonate

Colistin sodium methanesulfonate is a polymyxin antibiotic that disrupts the cell membrane of gram-negative bacteria. It is frequently used as a last resort treatment due to its potency and effectiveness against multi-drug resistant bacteria such as *Pseudomonas aeruginosa*. Resistance to colistin exists but is currently rare. Colistin sodium methanesulfonate is often used to treat lung infections in cystic fibrosis patients.