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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 : $C_{58}H_{115}N_{16}Na_5O_{28}S_5$

Na* 0 0 10 NH 0 NA C Ch 1 NA C Ch 1

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 : White or off-white powder

Description

Solubility (1% in : Clear to very faintly turbid,

: 16.0 - 21.0 %

water) colourless solution

Residue on Ignition

Loss on Drying : ≤ 6.0%

Potency (dried

: ≥ 11000units/mg

basis)

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.

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