

## Product Datasheet

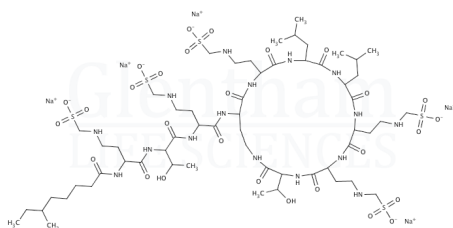
### GA2961 - Colistin sodium methanesulfonate

#### 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.