**PRODUCT INFORMATION**

Colistin Methanesulfonate (sodium salt)

*Item No. 17180*

**CAS Registry No.:** 8068-28-8  
**Formal Name:** colistimethate, pentasodium salt  
**Synonyms:** Colimycin M, Polymyxin E sodium methanesulfonate  
**MF:** C_{58}H_{105}N_{16}O_{28}S_{5} • 5Na  
**FW:** 1,749.8  
**Supplied as:** A crystalline solid  
**Storage:** 4°C  
**Stability:** ≥2 years

**Laboratory Procedures**

Colistin methanesulfonate (sodium salt) is supplied as a crystalline solid. Colistin methanesulfonate (sodium salt) is soluble in water at approximately 50 mg/ml.

**Description**

Colistin methanesulfonate is a prodrug for colistin (also known as polymyxin E), an antibiotic that is effective against most Gram-negative bacteria but suffers from nephro- and neurotoxicity.  

Colistin methanesulfonate is used against infections caused by multidrug resistant Gram-negative bacteria, alone or in combination with other antibiotics.

**References**