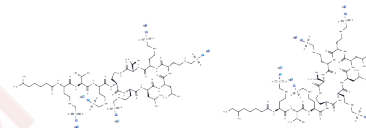


## Colistin methanesulfonate sodium salt

## Chemical Properties

CAS No. : 8068-28-8  
Formula: C<sub>58</sub>H<sub>104</sub>N<sub>16</sub>Na<sub>5</sub>O<sub>28</sub>S<sub>5</sub>  
Molecular Weight:  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Colistin methanesulfonate sodium salt (Colistimethate Sodium) is a cyclic polypeptide antibiotic from <i>Bacillus colistinus</i> , composed of Polymyxins E1 and E2.
Targets(IC50)	Cell wall, Antibacterial, Antibiotic

## Solubility Information

Solubility	DMSO: 166.7 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Reference

Jian Li, et al. In Vitro Pharmacodynamic Properties of Colistin and Colistin Methanesulfonate against *Pseudomonas aeruginosa* Isolates from Patients with Cystic Fibrosis. *Antimicrob Agents Chemother.* 2001 Mar; 45(3): 781-785.

Falagas ME, et al. *Clin Infect Dis*, 2005, 40(9), 1333-1341.

Ozbek B, et al. *Chemotherapy*, 2010, 56(6), 466-471.

Evans ME, et al. *Ann Pharmacother*, 1999, 33(9), 960-967.

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