

Colistin methanesulfonate sodium salt

Cat. No.:	HY-A0214	
CAS No.:	8068-28-8	
Target:	Bacterial; Antibiotic	
Pathway:	Anti-infection	Colistin methanesulfonate (sodium salt)
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)	

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (Need ultrasonic)
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (Infinity mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description	Colistin methanesulfonate sodium salt exhibits MIC values ranged from 4 to 16 mg/liter against susceptible strains (<i>P. aeruginosa</i>) ^[1] .
In Vitro	Colistin methanesulfonate is less bactericidal than colistin at the same multiples of the MIC. Colistin and colistin methanesulfonate are both unequal mixtures of the salts of two components, colistins A and B (1), which may well have different in vitro activities ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Adv Sci (Weinh). 2022 Oct 18;e2203088.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA