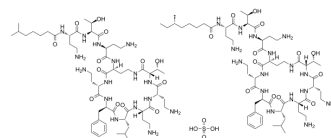


Polymyxin B Sulfate

Cat. No.:	HY-A0248		
CAS No.:	1405-20-5		
Molecular Formula:	C ₅₅ H ₉₆ N ₁₆ O ₁₃ ·H ₂ SO ₄ (Polymyxin B ₂ Sulfate)		
Target:	Bacterial; Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : ≥ 25 mg/mL
	* "≥" means soluble, but saturation unknown.

BIOLOGICAL ACTIVITY

Description	Polymyxin B Sulfate is a cationic surfactant antibiotic agent. A mixture of polymyxins B1 and B2, increases the permeability of the cell membrane. In vitro: RB50 is resistant to killing by polymyxin B at concentrations up to 100 µg/ml.
-------------	---

CUSTOMER VALIDATION

- ACS Nano. 2021 Mar 23;15(3):4173-4185.
- J Antimicrob Chemother. 2020 Sep 1;75(9):2609-2615.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Rolin O et al. Enzymatic modification of lipid A by ArnT protects *Bordetella bronchiseptica* against cationic peptides and is required for transmission. *Infect Immun*. 2014 Feb;82(2):491-9.
- [2]. Pye CC et al. Evaluation of biofilm production by *Pseudomonas aeruginosa* from canine ears and the impact of biofilm on antimicrobial susceptibility in vitro. *Vet Dermatol*. 2013 Aug;24(4):446-9

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