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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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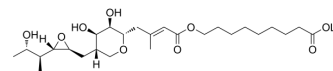
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Mupirocin lithium

Cat. No.:	HY-W108875
CAS No.:	73346-79-9
Molecular Formula:	C ₂₆ H ₄₃ LiO ₉
Molecular Weight:	506.56
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (197.41 mM; Need ultrasonic)
DMSO : 50 mg/mL (98.70 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.9741 mL	9.8705 mL	19.7410 mL
	5 mM		0.3948 mL	1.9741 mL	3.9482 mL
	10 mM		0.1974 mL	0.9870 mL	1.9741 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Mupirocin (BRL-4910A) lithium is an orally active antibiotic isolated from *Pseudomonas fluorescens*. Mupirocin lithium apparently exerts its antimicrobial activity by reversibly inhibiting isoleucyl-transfer RNA, thereby inhibiting bacterial protein and RNA synthesis^{[1][2][3][4][5]}.

REFERENCES

- [1]. Sutherland R, et al. Antibacterial activity of mupirocin (pseudomonic acid), a new antibiotic for topical use. *Antimicrob Agents Chemother.* 1985 Apr;27(4):495-8.
- [2]. Parenti MA, et al. Mupirocin: a topical antibiotic with a unique structure and mechanism of action. *Clin Pharm.* 1987 Oct;6(10):761-70.
- [3]. Vingsbo Lundberg C, et al. Efficacy of topical and systemic antibiotic treatment of methicillin-resistant *Staphylococcus aureus* in a murine superficial skin wound infection model. *Int J Antimicrob Agents.* 2013 Sep. 42(3):272-5.

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

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