

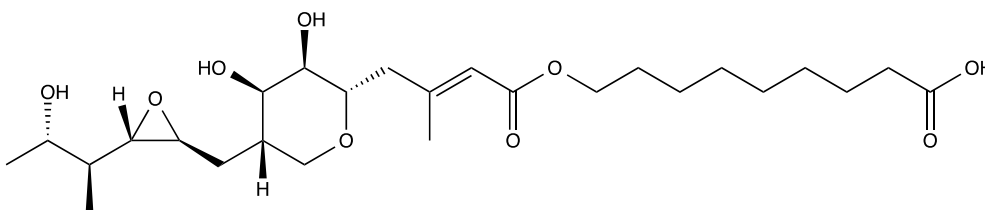
Catalog # 10-1101

Mupirocin

CAS# 12650-69-0

Pseudomonic acid A

Lot # X103834



Mupirocin is a topical antibiotic/antibacterial.¹ It inhibits isoleucyl-tRNA synthase. High level mupirocin resistance was found in 8.2% of *Staphylococcus aureus* and 15.6% of coagulase-negative *staphylococci* with high level resistance being more common in methicillin-sensitive *S. aureus* in comparison with methicillin-resistant *S. aureus*.²

- 1) Sutherland *et al.* (1985), *Antibacterial activity of mupirocin (pseudomonic acid), a new antibiotic for topical use*; *Antimicrob. Agents Chemother.*, **27** 495
- 2) Rudresh *et al.* (2015), *Prevalence of Mupirocin Resistance Among Staphylococci, its Clinical Significance and Relationship to Clinical Use*; *J. Lab. Physicians*, **7** 103

PHYSICAL DATA

Molecular Weight:	500.63
Molecular Formula:	C ₂₆ H ₄₄ O ₉
Purity:	>98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 20 mg/ml)
Physical Description:	Hygroscopic colorless wax/amorphous solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Protect from exposure to moisture. Solutions in DMSO may be stored at -20°C for up to 1 month.

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