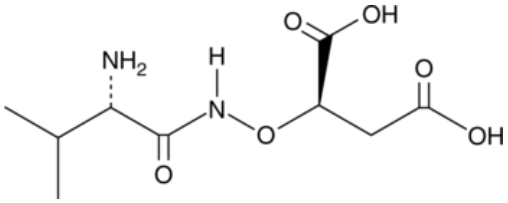
Product Data Sheet

Product Name: Malioxamycin
Cat. No.: GC41566

Chemical Properties

Cas. No.	73020-27-6		
SMILES	CC(C)[C@H](N)C(NO[C@@H](C(O)=O)CC(O)=O)=O		
Formula	C9H16N2O6	M.Wt	248.3
Solubility	DMSO: 10 mg/ml	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Malioxamycin is an antibiotic produced by S. lydicus that inhibits Gram-negative bacteria by inhibiting peptidoglycan synthesis in bacterial cell walls and promoting the formation of spheroplasts. Malioxamycin has been reported to inhibit E. coli and K. pneumoniae with MIC values of 50-100 µg/ml.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA