

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

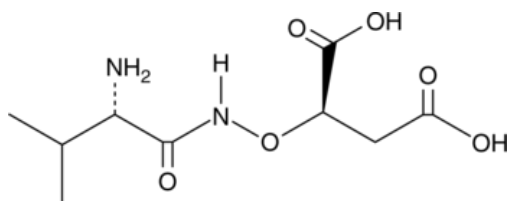
Solubility DMSO: 10 mg/ml

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.

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