

Product Data Sheet

Product Name: Azidamfenicol

Cat. No.: GC40084

Chemical Properties

Cas. No. 13838-08-9

SMILES OC[C@@H](NC(CN=[N+]=[N-])=O)[C@H](O)C1=CC=C([N+])([O-])=O)C=C1

Formula C₁₁H₁₃N₅O₅

M.Wt 295.3

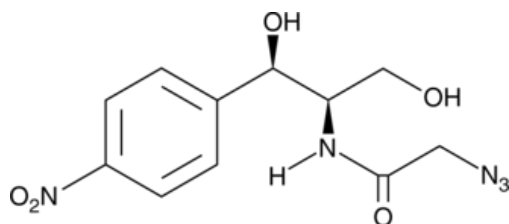
Solubility DMF: soluble, DMSO: soluble, Ethanol: soluble, Methanol: soluble

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

Azidamfenicol is a broad-spectrum chloramphenicol-like antibiotic that is active against Gram-negative and Gram-positive bacteria. It inhibits ribosomal peptidyltransferase ($K_i = 22 \mu\text{M}$).

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

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