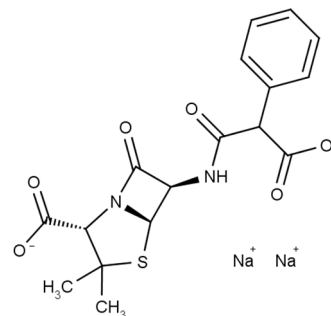




Carbenicillin, disodium salt

Catalog No: 50195
Lot No: XXXXX
Cas No: 4800-94-6
Formula: C₁₇H₁₆N₂O₆S · 2Na
MW: 422.37
Supplied as: solid
Stability: store at +4°C



Background

Carbenicillin is a bacteriolytic antibiotic belonging to the carboxypenicillin subgroup of the penicillins. It has Gram-negative coverage which includes *Pseudomonas aeruginosa* but limited Gram-positive coverage. The carboxypenicillins are susceptible to degradation by beta-lactamase enzymes, although they are more resistant than ampicillin to degradation. Carbenicillin is also more stable at lower pH than ampicillin. Aqueous solutions are stable at room temperature for several hours and at +4°C up to 5 days. Prepare a stock solution with a concentration of 50 mg/ml in water and filter sterilize. Store the stock solution at -20°C. The working concentration varies from 20 - 100 µg/ml.

Tests

Appearance:

Assay:

Solubility (50 mg/ml in water):

pH (1%, H₂O, 20°C):

Heavy metals (Pb):

Water (K.F.):

Specifications

white to off-white powder

90 – 100.5 %

clear and slightly yellow solution

6.0 – 7.5

≤0.001%

≤6%

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.