

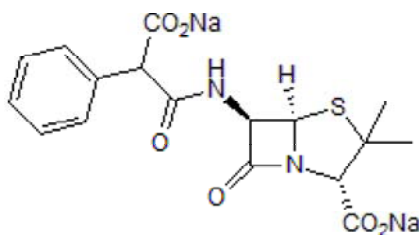
Certificate of Analysis

www.tocris.com

Product Name:	Carbenicillin disodium salt	Catalog No.:	5507	Batch No.:	3
CAS Number:	4800-94-6	EC Number:	225-360-8		
IUPAC Name:	(2S,5R,6R)-6-[(2-Carboxy-2-phenylacetyl)amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid disodium salt				

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₁₇ H ₁₆ N ₂ Na ₂ O ₆ S
Batch Molecular Weight:	422.36
Physical Appearance:	White solid
Solubility:	water to 100 mM
Storage:	Store at +4°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 96.2% purity
Potency:	862µg/mg

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Information

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Description:

Antibiotic. Selection reagent for AMPR transformed cells.

Physical and Chemical Properties:

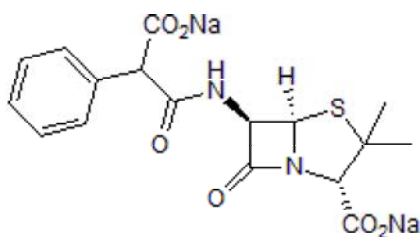
Batch Molecular Formula: C₁₇H₁₆N₂Na₂O₆S

Batch Molecular Weight: 422.36

Physical Appearance: White solid

Minimum Purity: >92%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

water to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956