

# Ampicillin sodium salt

Cat. No. ANT-496

Lot. No. (See product label)

## Product Name

Ampicillin sodium salt

## Product Overview

This product is suitable for plant cell culture. CAS NO.69-52-3.

## Description

Ampicillin is a semi-synthetic derivative of penicillin that functions as a broad-spectrum antibiotic. Antimicrobial Spectrum: Includes both gram-positive (similar to benzylpenicillin) and gram-negative bacteria (similar to tetracyclines and chloramphenicol).

## Form

White to Off White Powder

## Molecular Mass

371.39

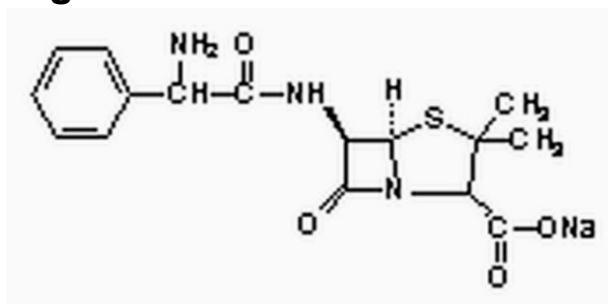
## Notes

This product has been reported stable as supplied at 25 centigrade at 43% and 81% relative humidity for six weeks. Additional studies have shown that the stability of Ampicillin in solution is a function of pH, temperature and the identity of the buffer. It's activity is quickly lost when stored above pH 7. Optimal storage conditions are suggested as 2-8 centigrade, and pH 3.8-5 where its activity was retained at 90%+ for a week.

## Synonyms

D-(-)- $\alpha$ -Aminobenzylpenicillin sodium salt

## Figure 1



## Solubility

50 mg soluble in 1mL of water.

## Molecular Formula

C<sub>16</sub>H<sub>18</sub>N<sub>3</sub>O<sub>4</sub>S · Na.

## Storage

Store at 2-8 centigrade.

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