

# Amoxicillin (trihydrate)

Catalog No: tcsc2613



## Available Sizes

Size: 1g

Size: 5g

Size: 10g



## Specifications

**CAS No:**

61336-70-7

**Formula:**

$C_{16}H_{25}N_3O_8S$

**Pathway:**

Anti-infection

**Target:**

Bacterial

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 78 mg/mL (185.96 mM; Need ultrasonic and warming); H<sub>2</sub>O : 1.25 mg/mL (2.98 mM; Need ultrasonic and warming)

**Alternative Names:**

Amoxycillin trihydrate

**Observed Molecular Weight:**

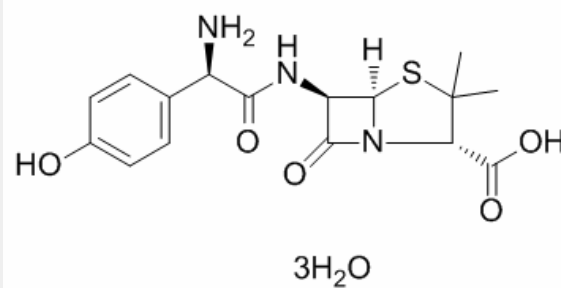
419.45

## Product Description

Amoxicillin Trihydrate is a moderate- spectrum, bacteriolytic,  $\beta$ -lactam antibiotic.

Target: Antibacterial

Amoxicillin is a moderate-spectrum, bacteriolytic,  $\beta$ -lactam antibiotic in the aminopenicillin family used to treat bacterial infections caused by susceptible Gram-positive and Gram-negative microorganisms. It is usually the drug of choice within the class because it is better-absorbed, following oral administration, than other  $\beta$ -lactam antibiotics. Amoxicillin is susceptible to degradation by  $\beta$ -lactamase-producing bacteria, which are resistant to a narrow spectrum of  $\beta$ -lactam antibiotics, such as penicillin. For this reason, it is often combined with clavulanic acid, a  $\beta$ -lactamase inhibitor. This increases effectiveness by reducing its susceptibility to  $\beta$ -lactamase resistance. From Wikipedia.



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