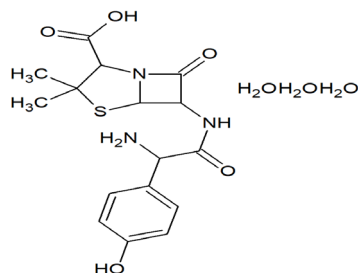


# Amoxicillin trihydrate

**ALTERNATE NAME:** (2S,5R,6R)-6-[[[(2R)-2-amino-2-(4-hydroxyphenyl)acetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, trihydrate

**CATALOG #:** B2699-1G 1 g  
B2699-5G 5 g

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>16</sub>H<sub>19</sub>N<sub>3</sub>O<sub>5</sub>S · 3H<sub>2</sub>O

**MOLECULAR WEIGHT:** 419.45

**CAS NUMBER:** 61336-70-7

**APPEARANCE:** White to orange to green powder

**PURITY:** ≥98% by titration

**SOLUBILITY:** ~25 mg/ml DMSO

**DESCRIPTION:** Amoxicillin is an orally bioavailable, semisynthetic, broad-spectrum β-lactam antibiotic. It inhibits the cross-linkage between linear peptidoglycan polymer chains that are the major component of both Gram-positive and Gram-negative bacteria. Formulations containing amoxicillin have been used in the treatment of a variety of bacterial infections.

**STORAGE TEMPERATURE:** -20°C. Protect from moisture

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Ampicillin sodium (2484)  
Carbenicillin disodium (2485)  
Ampicillin trihydrate (2483)  
Aztreonam (B2696)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*