



LKT Laboratories, Inc.

Ampicillin Trihydrate

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID A5160

CAS No. 7177-48-2

Chemical Name (2S,5R,6R)-6-[[[(2R)-Aminophenylacetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid trihydrate

Synonym Alpen, Amcill, Amplital, Binotal, Cymbi, Penbritin, Polycillin, Totacillin, Totapen, Vidopen

Formula $C_{16}H_{19}N_3O_4S \cdot 3H_2O$

Formula Wt. 403.47

Melting Point 198-200°C

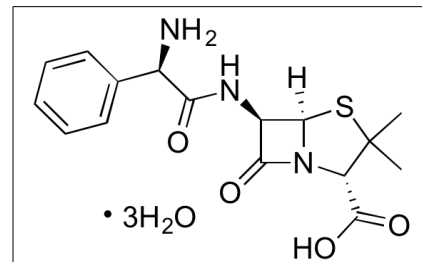
Purity ≥97%

Solubility Sparingly soluble in water.
Practically insoluble in acetone, alcohol, in ether and fatty oils. It dissolves in dilute solutions of acids and of alkalis.

Store Temp 4°C

Ship Temp Ambient

Description Ampicillin is a β-lactam antibiotic that displays antibacterial efficacy against both gram negative and gram positive bacteria. Ampicillin inhibits transpeptidase, preventing bacterial cell wall formation.



Bulk quantities available upon request

Product ID	Size
A5160	5 g
A5160	25 g
A5160	100 g

References Martin SI, Kaye KM. Beta-lactam antibiotics: newer formulations and newer agents. Infect Dis Clin North Am. 2004 Sep;18(3):603-19, ix. PMID: 15308278.

Demain AL. Production of beta-lactam antibiotics and its regulation. Proc Natl Sci Counc Repub China B. 1991 Oct;15(4):251-65. PMID: 1815263.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.