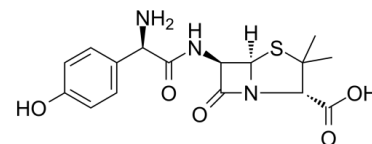


Data Sheet

Product Name:	Amoxicillin
Cat. No.:	CS-2612
CAS No.:	26787-78-0
Molecular Formula:	C ₁₆ H ₁₉ N ₃ O ₅ S
Molecular Weight:	365.40
Target:	Bacterial
Pathway:	Anti-infection
Solubility:	DMSO : 100 mg/mL (273.67 mM; Need ultrasonic); H ₂ O : 2 mg/mL (5.47 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Amoxicillin is an antibiotic with good oral absorption and broad spectrum antimicrobial activity^{[1][2]}.

References:

- [1]. Geddes AM, et al. Introduction: historical perspective and development of amoxicillin/clavulanate. Int J Antimicrob Agents. 2007 Dec;30 Suppl 2:S109-12.
- [2]. Handsfield HH, et al. Amoxicillin, a new penicillin antibiotic. Antimicrob Agents Chemother. 1973 Feb;3(2):262-5.

CAIndexNames:

4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 6-[[[(2R)-2-amino-2-(4-hydroxyphenyl)acetyl]amino]-3,3-dimethyl-7-oxo-, (2S,5R,6R)-

SMILES:

OC([C@@H]1N(C2=O)[C@]([C@@H]2NC([C@@H](C3=CC=C(O)C=C3)N)=O)([H])SC1(C)C)=O

Caution: Product has not been fully validated for medical applications. For research use only.

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