

Ampicillin, KLH-conjugate

DAG4478 chemosynthetic

Lot. No. (See product label)

PRODUCT INFORMATION

Product overview	Ampicillin, KLH-conjugate
Description	The ampicillin sodium and KLH (keyhole limpet hemocyanin) (10 mg each) are conjugated by EDC method in 0.1 M MES pH 5.0. The carboxyl group in the ampicillin is directly linked to an amine group in the KLH, and/or a carboxyl group in the KLH is directly l
Species	chemosynthetic
Conjugate	KLH
Applications	The ampicillin, KLH-conjugate has been successfully used as an immunogen in inducing ampicillin specific antibodies in mice.
Usage	Used as immunogen for the generation of anti-ampicillin antibodies.
Notes	for research use only

PACKAGING

Storage	Keep below -20°C for up to 1 year. Avoid repeated freeze-and-thaw. For short term storage (< 3 weeks) keep at 4°C.
Concentration	Approximately 2.0 mg/ml
Buffer	KLH(in 20 mM PBS, pH 7.4)

BACKGROUND

Introduction	Ampicillin is a beta-lactam antibiotic that is part of the aminopenicillin family and is roughly equivalent to its successor, amoxicillin in terms of spectrum and level of activity. It can sometimes result in reactions that range in severity from a rash (in the case of patients that may unwittingly have mononucleosis) to potentially lethal allergic reactions such as anaphylaxis. However, as with other penicillin drugs, it is relatively non-toxic and adverse effects of a serious nature are encountered only rarely
Keywords	Ampicillin; beta-lactam antibiotic; (2S,5R,6R)-6-([(2R)-2-amino-2-phenylacetyl]amino)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid; ampicillin,cilleral,principen; lifeampil; morepen; nci-c56086; pensyn; ro-ampen; trafarbiot

REFERENCES

1. Mosby's Drug Consult 2006 (16 ed.). Mosby, Inc.. 2006.
2. Katzung, Bertram G. (2007). Basic and Clinical Pharmacology, 10th edition. New York, NY: McGraw Hill Medical. pp. 733. ISBN 978-0-07-145153-6.