



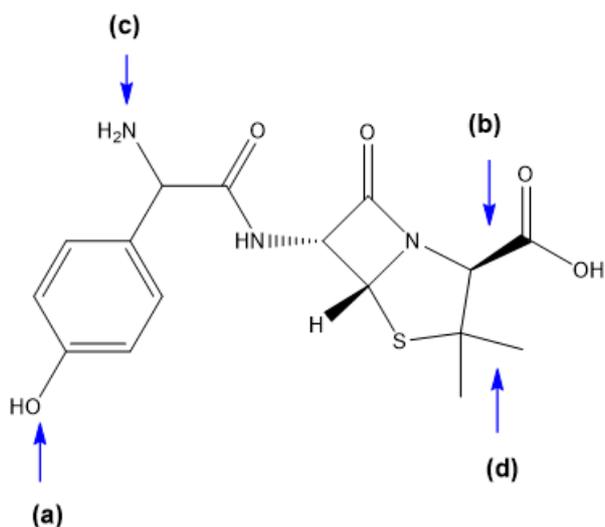
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Select the statement that is not true about Amoxicillin, an important antibiotic for the treatment of diseases such as pneumonia.

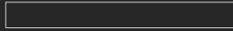


Amoxicillin

- (A) The atom marked (a) and the directly attached groups have a bent geometry.
- (B) The hybrid orbitals $C_{sp^2}-C_{sp^2}$ are used to form the indicated bond (b).
- (C) The solid wedge used for bond (b) is meant to indicate that C=O group is above the plane of the paper
- (D) The amino group, marked (c), has a trigonal pyramidal structure.
- (E) The hybrid orbitals $C_{sp^3}-C_{sp^3}$ are used to form the indicated bond (d).

VIDEO SOLUTION





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