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Compounds A, B and C are each a bromide containing a cyclohexane ring with molecular formula $C_7H_{13}Br$. Based on the information below, draw the structures of compounds A, B and C using wedged and dashed bonds where appropriate.

a. Solvolysis of compounds A through C with H_2O showed the following relative rates:

A > C >>> B

b. Compound A does not undergo the SN2 reaction.

c. Compounds A and B are achiral. Compound C is a racemic mixture. You only need to draw one enantiomer.

d. Reaction of B with ethoxide (-OEt) gives the same product as reaction of A with tertbutoxide (t-BuO-).

e. Reaction of A with ethoxide (-OEt) gives the same product as reaction of C with ethoxide (-OEt)

VIDEO SOLUTION

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