



ORGOREVIEW

Question Vault

Welcome to orgoreview question vault. We have 5000 more problems for you to solve.

Share



Give the structures of compounds B-D from the following data.

(a) Compound B has a molecular formula of C_5H_6O , has 5 absorptions in the ^{13}C NMR spectrum and is achiral. Compound B can be reduced with $NaBH_4$ in methanol to compound C.

(b) Compound C has a molecular formula of C_5H_8O , has 5 absorptions in the ^{13}C NMR spectrum and is a racemic mixture. Compound C can be reduced with $H_2/Pd-C$ to give compound D.

(c) Compound D has a molecular formula of $C_5H_{10}O$, has only 3 absorptions in the ^{13}C NMR spectrum and is achiral.

VIDEO SOLUTION



How to Reach Us

Todd's Test Prep
2255 Glades Road
Suite 324A
Boca Raton, Florida 33431
E-mail: help@orgoreview.com

[Links](#)

[Contact](#)
[Terms](#)
[Privacy Policy](#)

follow us



Copyright 2026. All Rights Reserved.