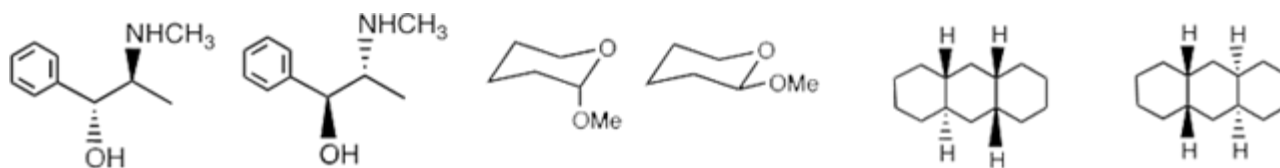


Chapter 4

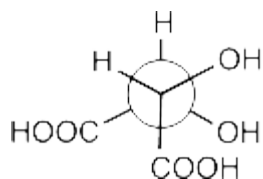
Basic Stereochemistry of Organic Molecules

Practice Problems

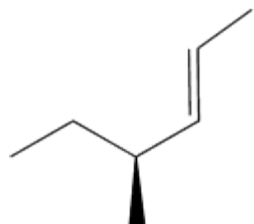
1. Identify the stereochemical relationship between the given pair of compounds



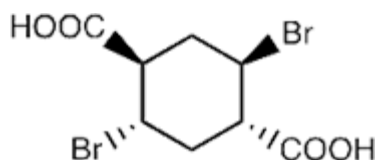
2. Draw the Fischer projection for the following compound



3. Name the following compound with stereochemical description

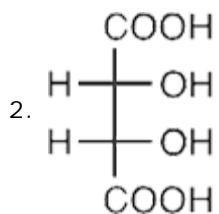


4. Comment whether the following compound is chiral and achiral. Explain



Answers

1. Enantiomers, Diastereomers, Diastereomers



3. (S,E)-4-methylhex-2-ene

4. Achiral, the molecule has a center of inversion