Diastereomers

Diastereomers: Stereoisomers that are not mirror images.



Meso Compounds

Meso: A molecule that contains chiral centers, but is achiral.



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Properties of Enantiomers

Most physical properties of enantiomers are identical.



i.e., chirality does not affect most physical properties.





Chiral Molecules Rotate Plane-Polarized Light



Racemic Mixtures

Racemate, or Racemic mixture: A perfect, 1:1 mixture of enantiomers.



Diastereomers Have Different Physical Properties

