

ISOMER

Meaning: An isomer is a compound that shares the same molecular formula as another compound but has a different arrangement of atoms, resulting in distinct physical or chemical properties.

1. An isomer can have the same molecular formula as another compound but differ in the arrangement of atoms.
2. The two isomers of butanol exhibit different physical properties, such as boiling points.
3. Understanding isomers is crucial for chemists working on drug design and synthesis.
4. Geometric isomers, a type of isomer, can have different spatial arrangements of their atoms.
5. In organic chemistry, isomers play a significant role in determining the chemical behavior of substances.

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