

RACEMIC

Meaning: Racemic refers to a mixture containing equal amounts of two enantiomers of a chiral molecule, often resulting in unique properties or effects not present in the individual compounds.

1. The racemic mixture of the two enantiomers exhibited unique properties not seen in each compound alone.
2. In pharmaceutical chemistry, racemic drugs can sometimes produce different therapeutic effects compared to their pure enantiomers.
3. The chemist carefully separated the racemic solution into its individual enantiomers for further testing.
4. Racemic amino acids can have varying biological activities depending on their specific structures.
5. Understanding the concept of racemic mixtures is crucial for advancements in stereochemistry and drug development.

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