

DECANE

Meaning: Decane is a straight-chain alkane with ten carbon atoms, commonly used as a standard in measuring diesel engine performance.

1. Decane is often used as a standard for measuring the performance of diesel engines.
2. In organic chemistry, decane serves as an example of a straight-chain alkane with ten carbon atoms.
3. The researchers synthesized various derivatives of decane to explore its potential applications in fuel technology.
4. Due to its hydrophobic properties, decane is frequently utilized as a solvent in laboratory settings.
5. When exposed to high temperatures, decane can decompose, releasing volatile organic compounds into the atmosphere.

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