

HEXDECYL

Meaning: Hexdecyl refers to a hydrocarbon chain consisting of sixteen carbon atoms, often used in surfactants and polymers to improve hydrophobic characteristics in formulations.

1. Hexdecyl chains are commonly found in various types of surfactants used in cosmetic formulations.
2. The research team synthesized a new polymer using hexdecyl groups to enhance the material's hydrophobic properties.
3. In the study, hexdecyl derivatives were tested for their efficacy in drug delivery systems.
4. The presence of hexdecyl moieties in the compound significantly improved its solubility in organic solvents.
5. Chemists often explore hexdecyl modifications to tailor the behavior of certain organic compounds in industrial applications.

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