

BENZYL

Meaning: Benzyl is a chemical group derived from toluene, characterized by a phenyl group (C₆H₅) attached to a methylene group (CH₂), commonly found in various organic compounds and used in solvents and fragrances.

1. Benzyl alcohol is commonly used as a solvent in various cosmetic products.
2. The chemical structure of benzyl is known for its aromatic properties.
3. In organic synthesis, benzyl groups can protect alcohols from oxidation.
4. Benzyl chloride is an important reagent in organic chemistry.
5. The fragrance industry often utilizes benzyl compounds for their pleasant scent.
6. Benzyl benzoate is frequently employed as a topical treatment for scabies.
7. Researchers are exploring benzyl derivatives for potential pharmaceutical applications.
8. Benzyl esters are formed through the reaction of benzyl alcohol with carboxylic acids.
9. The use of benzyl compounds is regulated due to their potential toxicity.
10. Benzyl is a key functional group in many natural and synthetic compounds.

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