

METHYLATE

Meaning: Methylate (verb): to introduce a methyl group ($-CH_3$) into a chemical compound, typically to modify its properties or reactivity.

1. The chemist decided to methylate the compound to enhance its solubility.
2. To understand the reaction better, they needed to methylate the substrate first.
3. In organic synthesis, it is common to methylate various functional groups for reactivity.
4. Researchers aim to methylate the DNA in order to study gene expression patterns.
5. The process to methylate the aromatic ring was carefully monitored for optimal results.
6. Researchers found that the ability to methylate DNA can significantly influence gene expression.
7. The scientists aimed to methylate the compound to enhance its stability and efficacy.
8. To fully understand the biochemical pathways, it's essential to study how cells methylate various substrates.
9. They discovered a new enzyme that could effectively methylate specific proteins in the cell.
10. The process to methylate the drug was crucial for improving its therapeutic properties.

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