

PERIODATE

Meaning: Periodate is a salt or ester of periodic acid, commonly used in chemical reactions, particularly for oxidizing alcohols.

1. The chemist carefully prepared a solution of sodium periodate for the experiment.
2. Periodate is often used in organic synthesis to oxidize alcohols to aldehydes.
3. Researchers discovered that periodate can effectively cleave glycosidic bonds in carbohydrates.
4. In analytical chemistry, periodate serves as a useful reagent for determining the presence of specific functional groups.
5. The use of periodate in the oxidation process can yield a variety of valuable products in the lab.

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