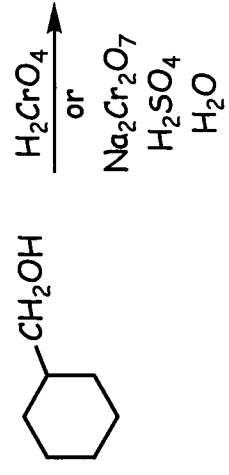


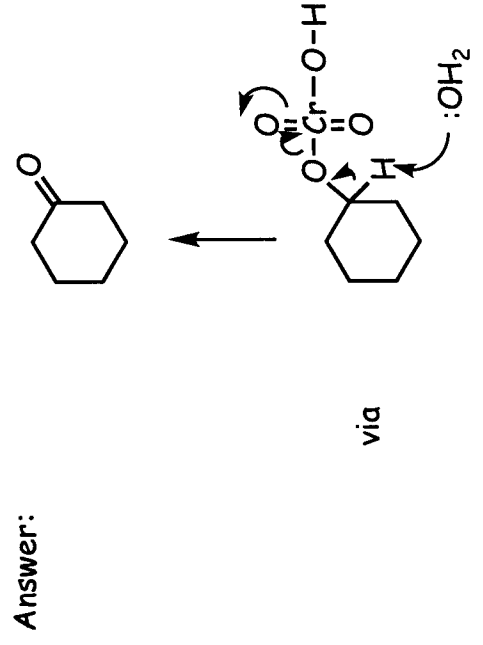
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Ox1

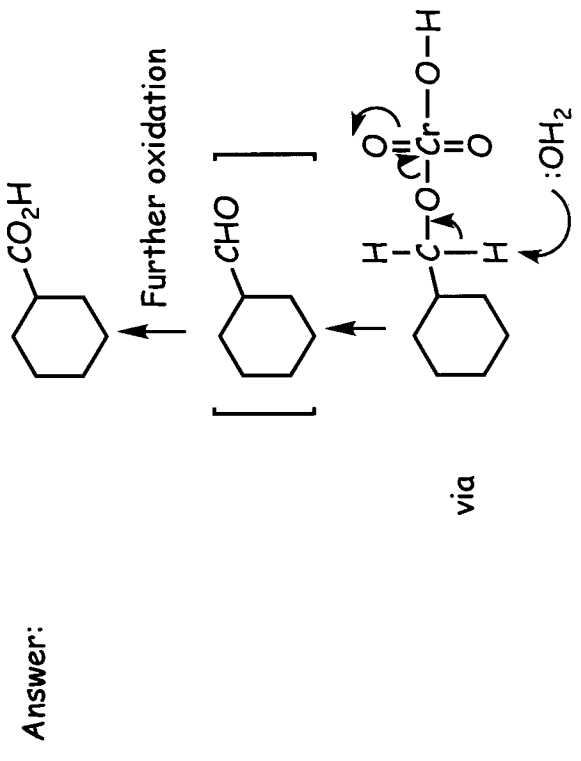


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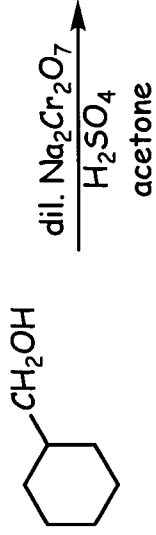
Ox2



NOTE: Chromic acid oxidation

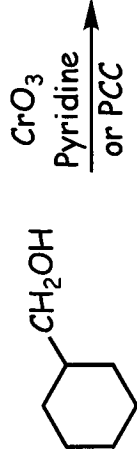


NOTE: Chromic acid oxidation



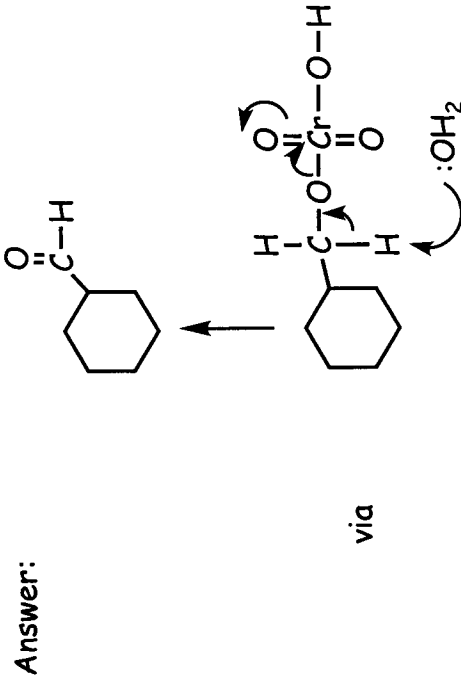
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Ox3

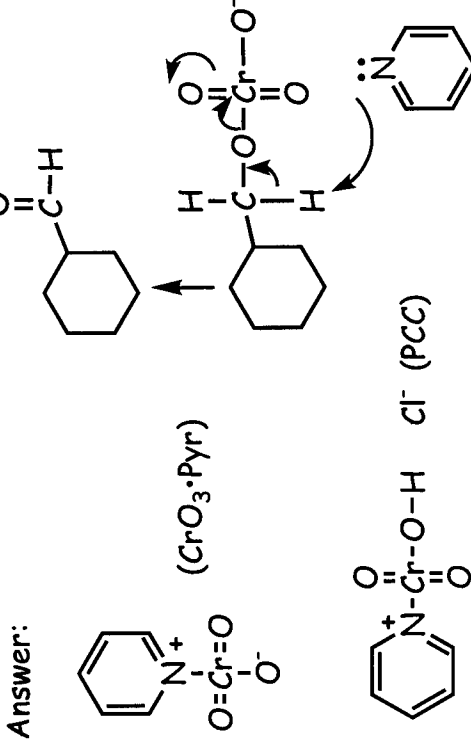


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Ox4



NOTE: Oxidation with Jones reagent stops at the aldehyde.



NOTE: $\text{CrO}_3 \cdot \text{pyridine}$ = Collins reagent;

$\text{CrO}_3 \cdot \text{pyridine} \cdot \text{HCl}$ = pyridinium chlorochromate