



$\xrightarrow{\text{H}_2\text{SO}_4 \text{ (conc)}}$

$\xrightarrow{\text{H}_2\text{O}/\text{H}^+}$

$\xrightarrow{\text{H}_2\text{O}}$

$\xrightarrow{\text{PCl}_5}$

$\xrightarrow{\text{NH}_3 \text{ (alcoholic)}}$

$\text{C}_4\text{H}_8\text{O}$

$\text{C}_4\text{H}_8\text{O}_2$

$\xrightarrow{\text{H}_2\text{SO}_4 \text{ (conc)}}$

you are not required to name this molecule

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