

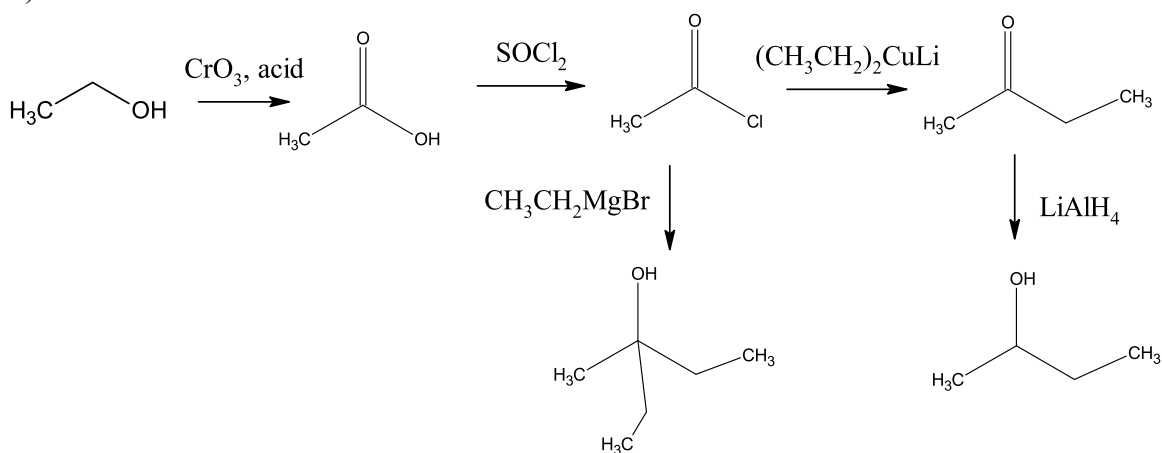
25 April 2009

Sanderson's Test III Review Solutions

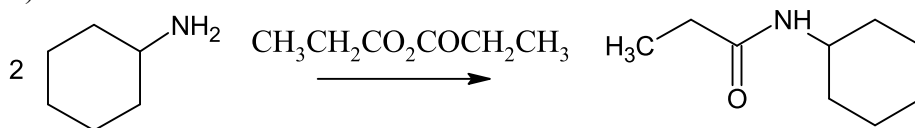
1)

- 1 – Thioester
- 2 – Acid chloride, acid anhydride
- 3 – Ester, amide
- 4 – Carboxylic acid (Technically not a derivative, I suppose)

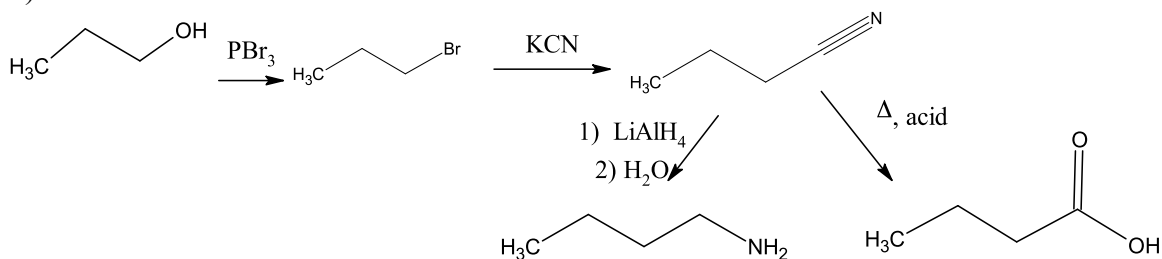
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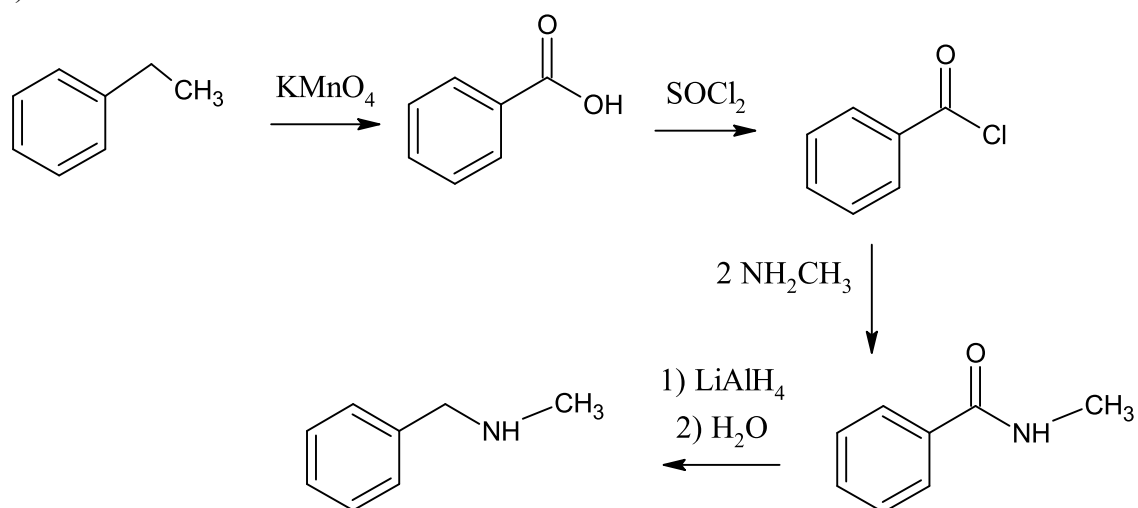
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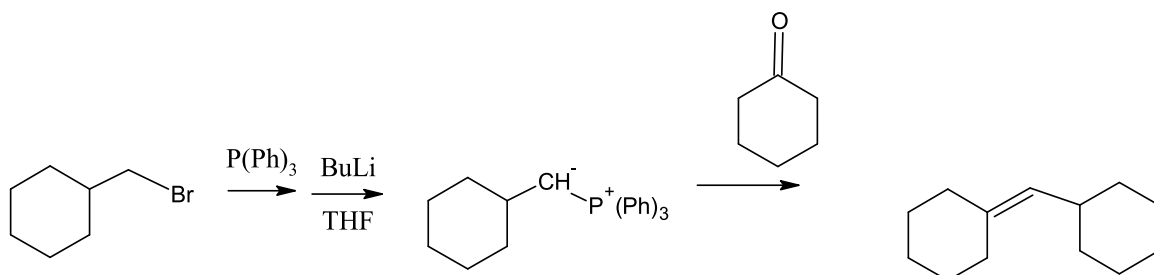
4)



5)

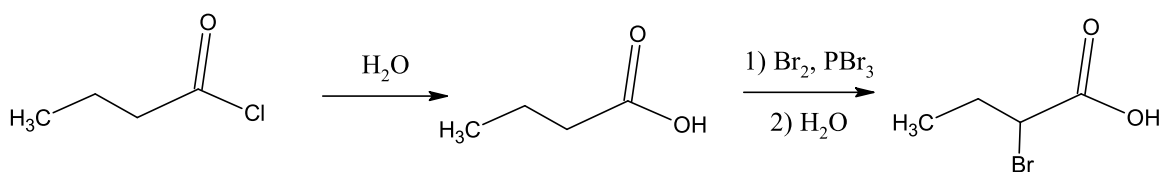


6)

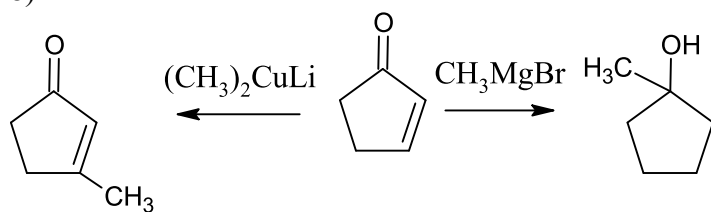


It is easier to make the ylide from the primary alkyl halide.

7)



8)



9)

