有機化学演習　演習問題（6）

平成２８年　１月１３日（水）

炭素数３個以下の有機化合物（ただし，実在し取り扱えるもの），シクロヘキサノンあるいはベンゼンを出発物質として用いて次の化合物を効率よく合成する経路を示せ。無機試薬，炭素源とならない有機試薬(PPh_3, NBS, BuLi 等)は自由に用いて良い。ただし，LDA，遷移金属化合物（水素還元用の触媒，$FeCl_3$，$FeBr_3$ を除く）を用いてはならない。反応に関与しない有機溶媒等は明記する必要はない。一度作った分子は別の解答でいきなり用いても良い（どの問題で作ったか明記すること）。

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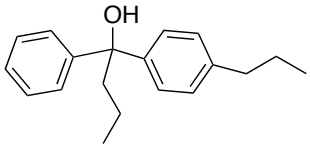

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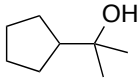

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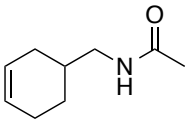

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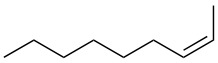

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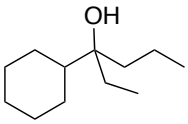

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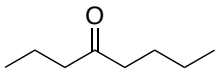

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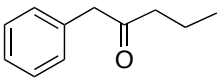

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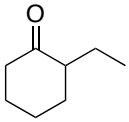

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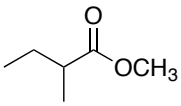

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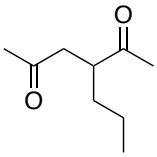

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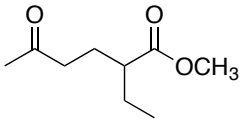

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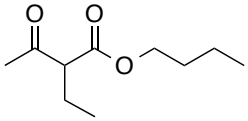

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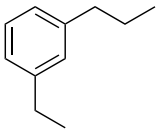

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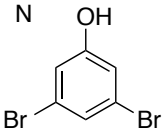

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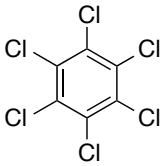

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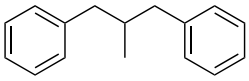

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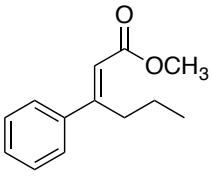

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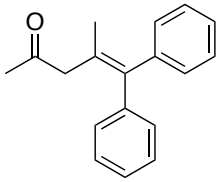

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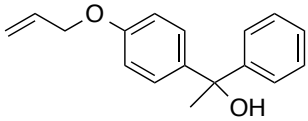

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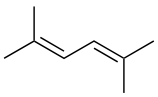

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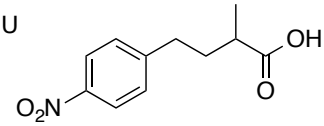

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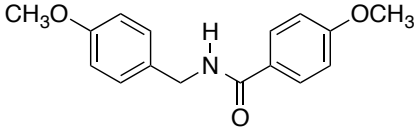

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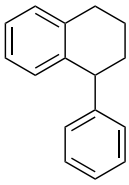

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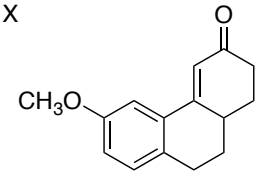

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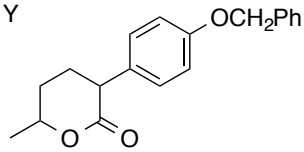
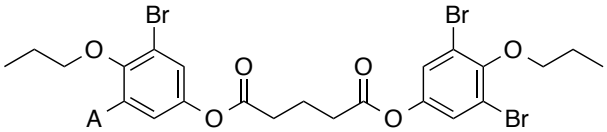
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