

Last Name:

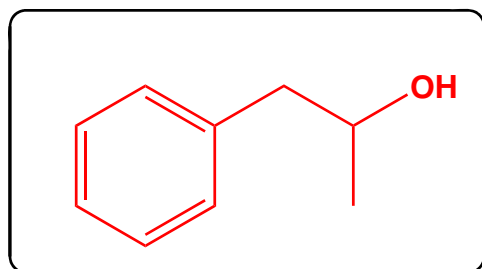
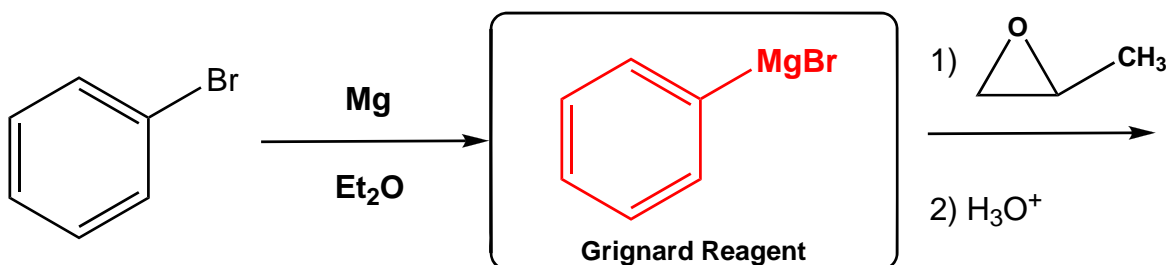
First Name:

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SCORE: KEY

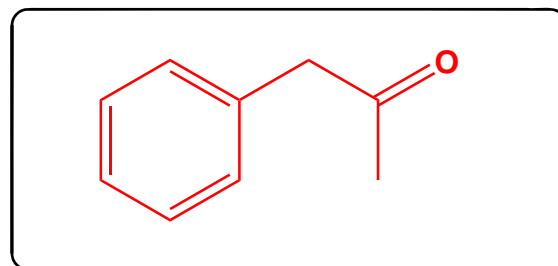
Deadline for CH 318 POW 6: Oct 12, 2009 3:00 PM

Multi-step synthesis: Provide products for the following sequence of reactions. Draw each product in the box provided and indicate stereochemistry, if any is involved. (*Hint: refer to Rxn Summary handout*)



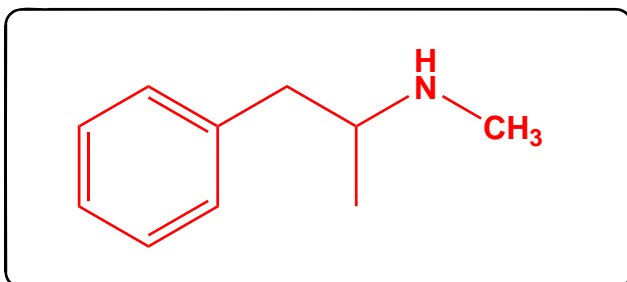
Must show correct *regiochemistry*

A
C₉H₁₂O



B
C₉H₁₀O

1) CH₃NH₂
2) H₂; Ni



C
C₁₀H₁₅N
(N-Methamphetamine)

Mechanism: Provide a mechanism for the following transformation. Show all important flows of electrons, charges and intermediates. Where indicated, (in the structure-n-a- box)- draw the intermediates.

