

CH0310, ORGANIC CHEMISTRY I
Professor Dennis P. Curran
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Quiz 8, Take home, due midnight Wednesday, March 18, 2009

Submit the quiz in pen, or Xerox/fax/scan your pencil copy

Hand in before/after class
Drop off at 1101 CSC (before 5 pm)
Fax to 412-624-9861 (till midnight)
Email to lynne@pitt.edu (till midnight, pdf file only)

Names, Synthesis and Reactions of Alcohols

To prepare:

- read Chapter 8
- review lecture notes for February 27, March 4 and 6
- Do problems 21, 22, 31, 32, 34, 35, 37-42, 47, 48 in Chapter 8

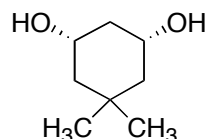
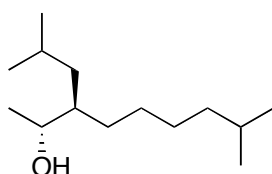
You need to know how to give trivial and IUPAC names to alcohols and how to draw structures from names. Know how alcohols can be made (reduction, nucleophilic addition, nucleophilic substitution, review New Reactions 1–8 on p 321) and how they can be oxidized. Given a starting compound and a reagent, you should be able to deduce the product, or given a starting material and a product, you should be able to provide a reagent.

 NAME

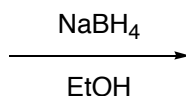
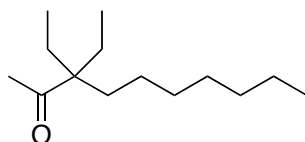
 SIGNATURE

Names, Synthesis and Reactions of Alcohols

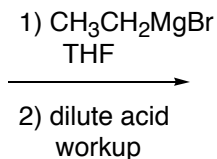
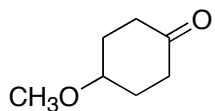
1) Provide IUPAC names for the following alcohols (2 points):



2) Fill in the missing REAGENT(S) or PRODUCT(S) as indicated by the question mark. Be sure to indicate if the product is more than one stereoisomer (8 points). More than one step may be needed for some reactions:



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