

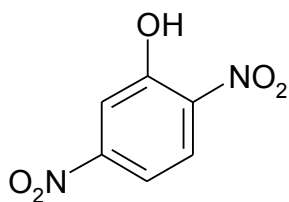
Organic Chemistry II, Pretest 1, 20102

Naming: Please provide the unambiguous name for each of the following structures or provide the structure for any of the following names. Include stereochemistry where appropriate.

Structure

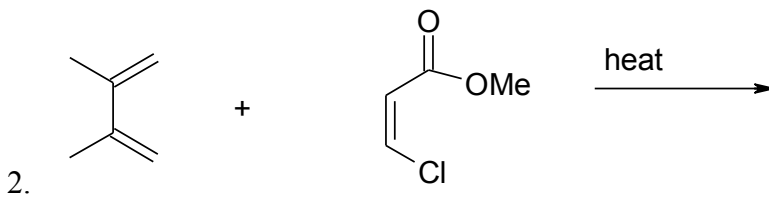
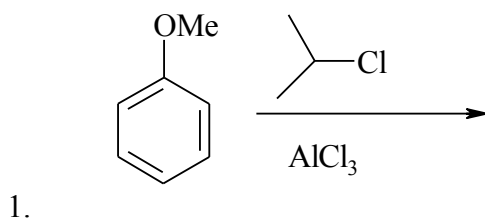
Name

p-chlorotoluene

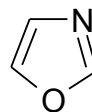
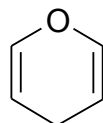
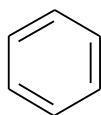


trans-1-benzyl-3-phenylcyclopentane

Reactions: Fill in the major product or products. Many of these reactions have 2 major products.



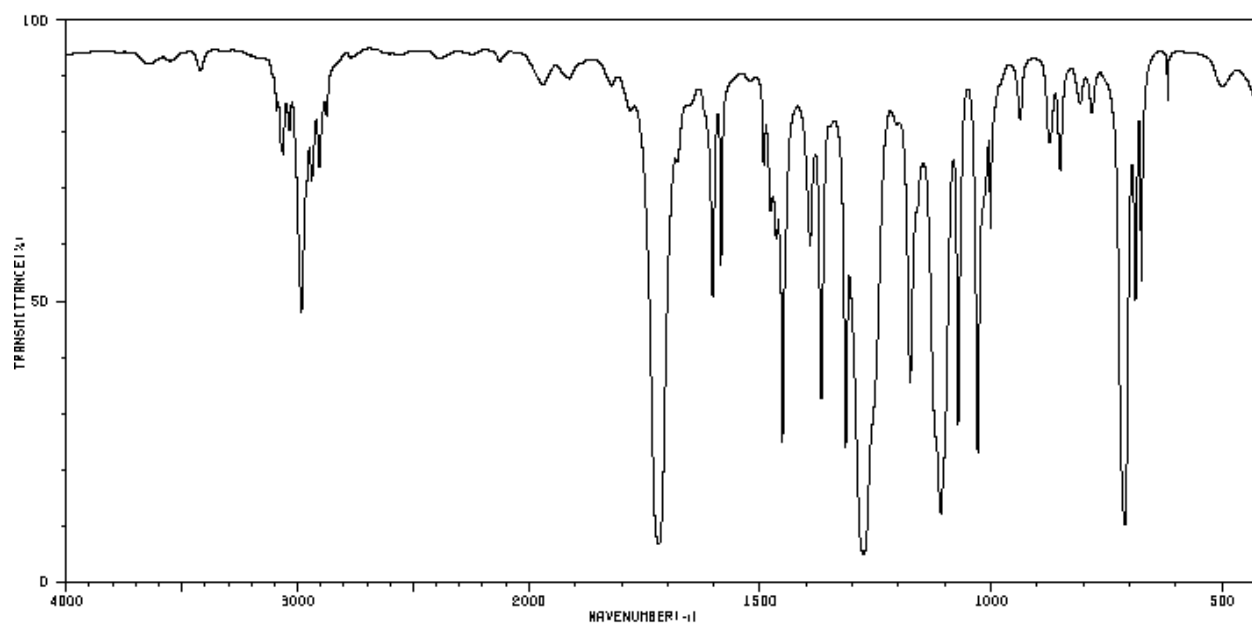
Which of the following is not aromatic? (Circle all that are not aromatic.)



Synthesis:

Spectroscopy: Please identify the structure of a compound with the formula $C_9H_{10}O_2$ and the following spectra.

IR:



NMR see next page

