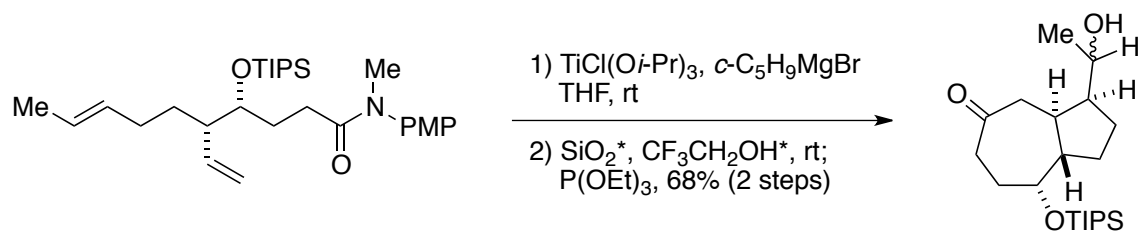


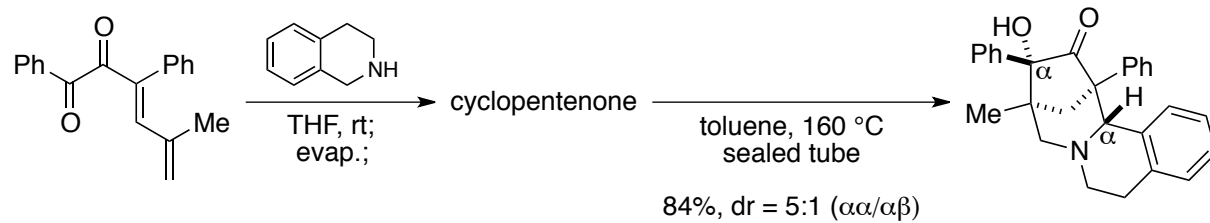
Name

1.

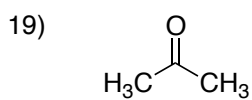
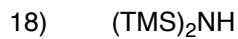
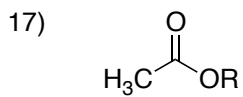
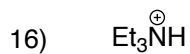
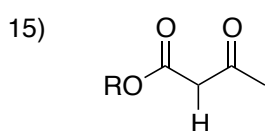
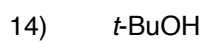
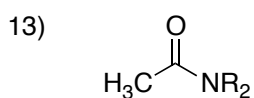
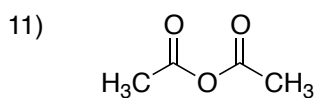
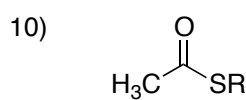
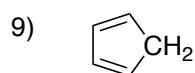
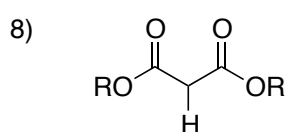
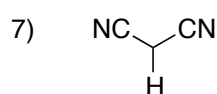
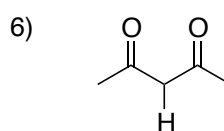
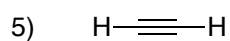
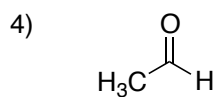
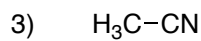
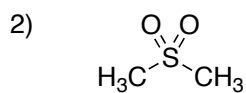
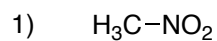


* SiO_2 and fluorocarbon solvents possess high solubility of oxygen.

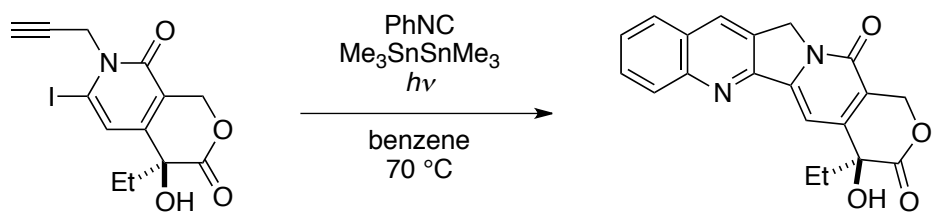
2.



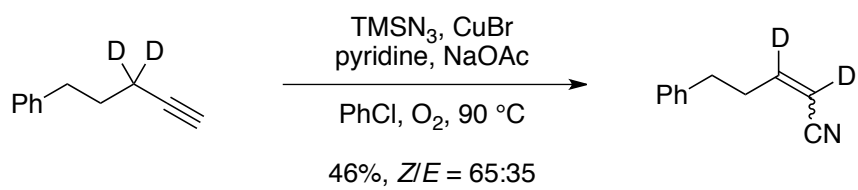
3. Provide the pK_a values of these acids. You may round off the values to the nearest whole number.



4.

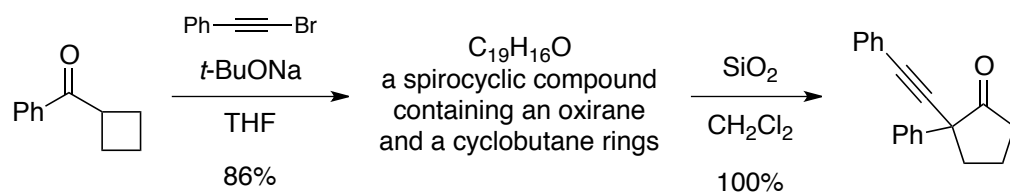


5.



N. Jiao *et al.*, *Chem. Sci.*, **6**, 6355 (2015)

6.



V. Gevorgyan *et al.*, *J. Am. Chem. Soc.*, **130**, 13538 (2008)