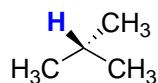


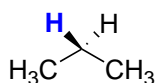
## pK<sub>a</sub> Values of Common Carbon Acids

Values in H<sub>2</sub>O as much as possible, so common comparisons (i.e., H<sub>2</sub>O pK<sub>a</sub> = 15.7) can still be used

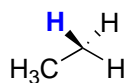
Note: Values in DMSO may be more valuable (<http://www.chem.wisc.edu/areas/reich/pkatable/>)



pK<sub>a</sub> (53)?



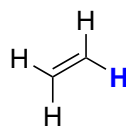
pK<sub>a</sub> 51



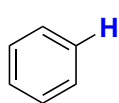
pK<sub>a</sub> 50



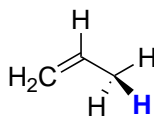
pK<sub>a</sub> 48



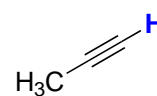
pK<sub>a</sub> 44  
alkene



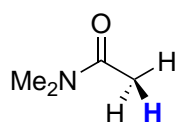
pK<sub>a</sub> 43  
arene



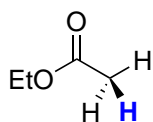
pK<sub>a</sub> 42-43  
allyl



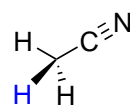
pK<sub>a</sub> 25  
terminal alkyne



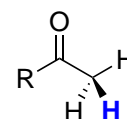
pK<sub>a</sub> 25  
amide



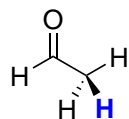
pK<sub>a</sub> 25  
ester



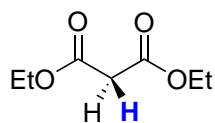
pK<sub>a</sub> 25  
nitrile



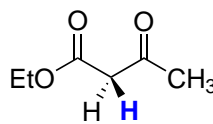
pK<sub>a</sub> 20  
ketone



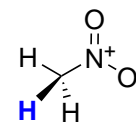
pK<sub>a</sub> 14-17  
aldehyde



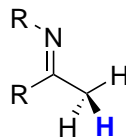
pK<sub>a</sub> 13  
β-diester



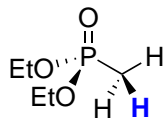
pK<sub>a</sub> 11  
β-keto ester



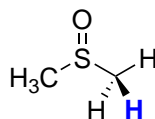
pK<sub>a</sub> 10  
nitroalkane



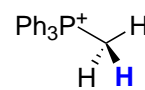
pK<sub>a</sub> 30-33<sup>CJC/83/61/2729</sup>  
imine



pK<sub>a</sub> ~33<sup>JOMC 86/312/283</sup>  
phosphonate ester



pK<sub>a</sub> 32-33<sup>JACS/67/89/5069</sup>  
pK<sub>a</sub> 35 in DMSO  
sulfoxide



pK<sub>a</sub> ~13<sup>TL/96/37/9047</sup>  
pK<sub>a</sub> 22 in DMSO  
phosphonium salt