


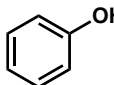


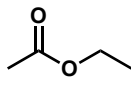
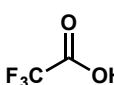
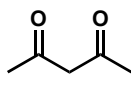

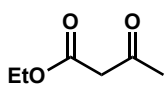

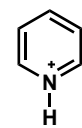

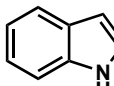
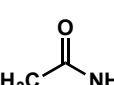


pK_a's in water (or DMSO)

H ₂ O	15.7	(32)	H ₂	35
H ₃ O ⁺	-1.74		—	50
HCl	-5.9	(-2.0)	=	44
TfOH	-14.7	(-14.3)	≡	25
HOOH	11.6			43 (44)
CH ₃ OH	15.54	(29)		41 (43)
CH ₃ SH	10.33			15 (18)
	9.95	(18)		19.2 (26.5)
	4.76	(12.3)		25 (29.5)
	-0.25	(3.45)		9 (13.3)
	-2.6	(1.6)		11 (14.2)
NH ₃	38	(41)	—≡N	25 (31.3)
N ⁺ H ₄	9.2	(10.5)		10 (17.2)
Et ₃ N ⁺ H	10.75	(9)	Ph ₃ ⁺ P—CH ₃	(22.4)
	5.23	(3.4)		31 (39)
	16.2	(21.0)		
	15.1	(25.5)		