

Some approximate pK_a values

Acid	pK_a
H_2SO_4	-10
HCl	-6
$ArSO_3H$	-6
$RYC=OH^+$	-6
Y = H, R, OR	
H_3O^+	-1.74
HF	3.22
$ArNH_3^+$	5
RCO_2H	4 to 6
$RC(O)CH_2C(O)R$	9
ArOH	10
RNH_3^+	10
$RC(O)CH_2CO_2R$	11
$RO_2CCH_2CO_2R$	13
H_2O	15.7
RCH_2OH	16
R_2CHOH	17
R_3COH	18
$RC(O)NH_2$	19
$RC(O)CH_2R$	19-20
RCH_2CO_2R	25
RCCH	25
NH_3	38
R_2NH	40
$R_2C=CRCH_3$	43
$R_2C=CHR$	44
PhH	44
RH	50

Note: some of these values may differ slightly from those in your text.