

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.