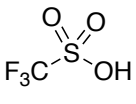
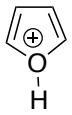
pKa values relevant to CEM 850

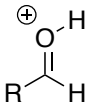
oxygen compounds



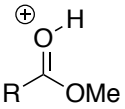
pKa = –14



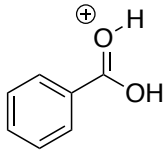
pKa = –13



pKa = –8

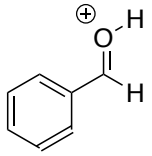


pKa = –8

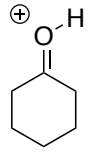


pKa = –7.8

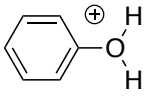
pKa = –7.3



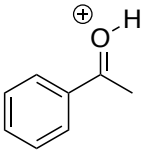
pKa = –7



pKa = –6.8



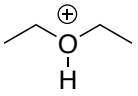
pKa = –6.5



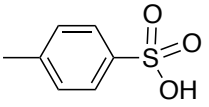
pKa = –6.2

pKa = –4.2*

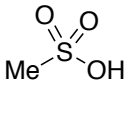
pKa = –3.8



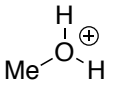
pKa –3.8



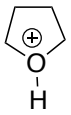
pKa = –2.8



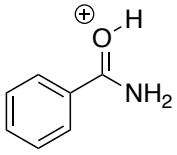
pKa = –2.6



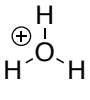
pKa = –2.2



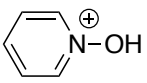
pKa = –2



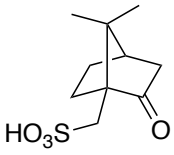
pKa = –2



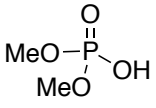
pKa = –1.7



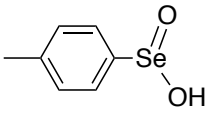
pKa = 0.79



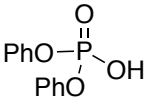
pKa = 1.2



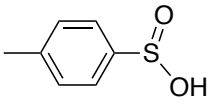
pKa = 1.3



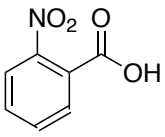
pKa = 1.9



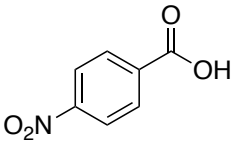
pKa = 1.9



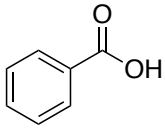
pKa = 2



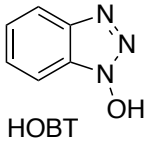
pKa = 2.2



pKa = 3.49

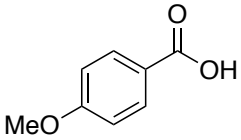


pKa = 4.2



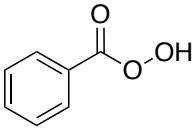
HOBT

pKa = 4.3

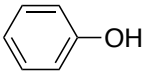


pKa = 4.47

pKa = 6.3

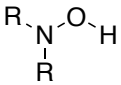


pKa = 8

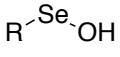


pKa = 10

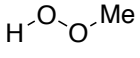
pKa = 10.3



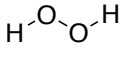
pKa = 11



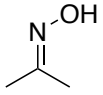
pKa = 11.5



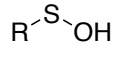
pKa = 11.5



pKa = 11.7



pKa = 12.4



pKa = 12.5

pKa = 15.5

pKa = 15.5

pKa = 15.7

pKa = 16.5

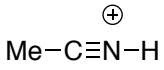
pKa = 17

pKa = 18

pKa = 33.1*

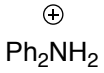
pKa = 38*

nitrogen compounds

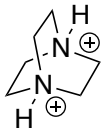


pKa = –10

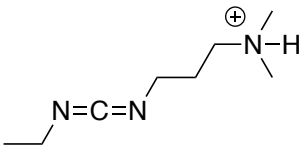
pKa = –5



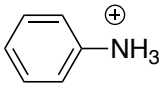
pKa = 0.8



pKa = 3.0

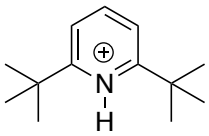


EDCIH^{+}
pKa = 10
(pKa of EDCIH$_2^{+2}$ = 3.1)

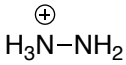


pKa = 4.6

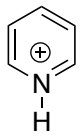
pKa = 4.6



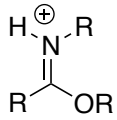
pKa = 4.95



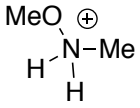
pKa = 5



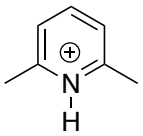
pKa = 5.2



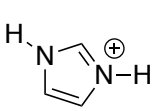
pKa = 6



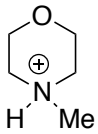
pKa = 6



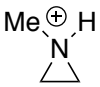
pKa = 6.75



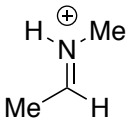
pKa = 7



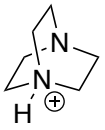
pKa = 7.4



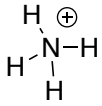
pKa = 7.86



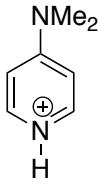
pKa = 8.7



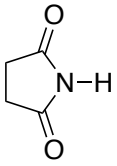
pKa = 8.9



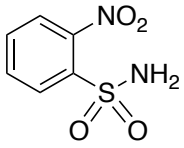
pKa = 9



pKa = 9.2

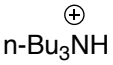


pKa = 9.6

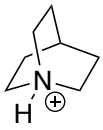


pKa = 10.1

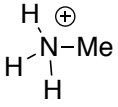
pKa = 10.75



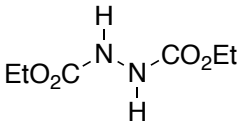
pKa = 10.89



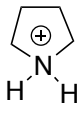
pKa = 11



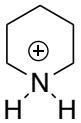
pKa = 11



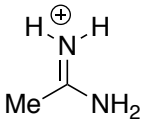
pKa = 11



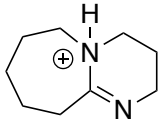
pKa = 11.2



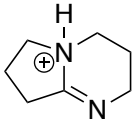
pKa = 11.2



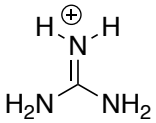
pKa = 12.4



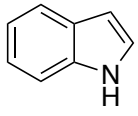
pKa = 12.5



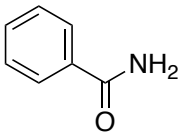
pKa = 12.7



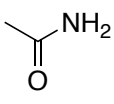
pKa = 13.6



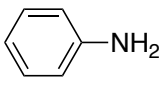
pKa = 21



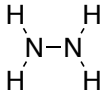
pKa = 23.3



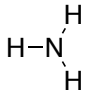
pKa = 25.5



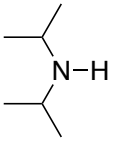
pKa = 27



pKa = 28



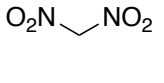
pKa = 34



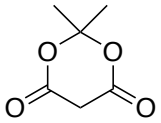
pKa = 36

pKa = 37

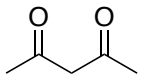
carbon compounds



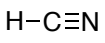
pKa = 3.6



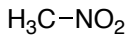
pKa = 4.97



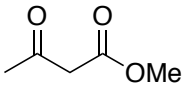
pKa = 8.9



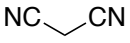
pKa = 9.4



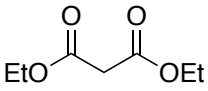
pKa = 10



pKa = 11

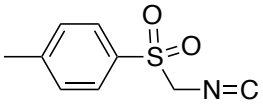


pKa = 11



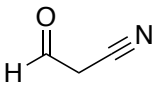
pKa = 13.5

pKa = 13.7

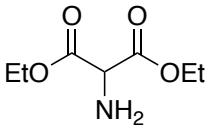


pKa = 14

pKa = 15

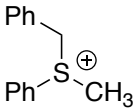


pKa = 15

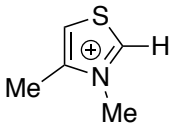


pKa = 15

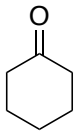
pKa = 15.5



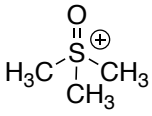
pKa = 16.3



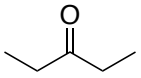
pKa = 16.5



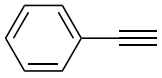
pKa = 16.7



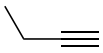
pKa = 18



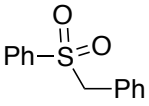
pKa = 19-20



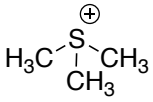
pKa = 21.1



pKa = 22.5

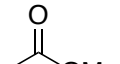


pKa = 23

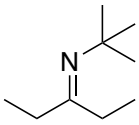


pKa = 24.5

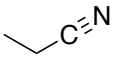
pKa = 25



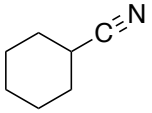
pKa = 25



pKa = 25

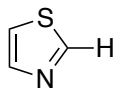


pKa = 25

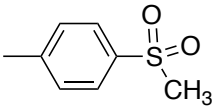


pKa = 25.8

pKa = 28

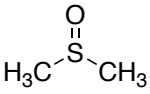


pKa = 29

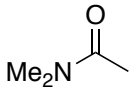


pKa = 29

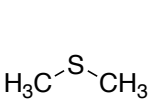
pKa = 31.5



pKa = 35



pKa = 35



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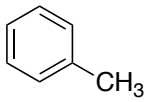
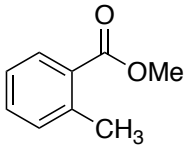
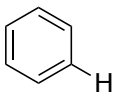


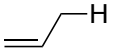
pKa = 40



pKa = 41



pKa = 43

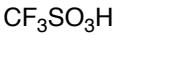


pKa = 43

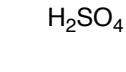
pKa = 44

pKa = 48

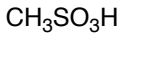
sulfur compounds



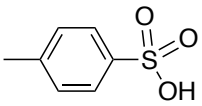
pKa = –14



pKa = –3.0, 1,99

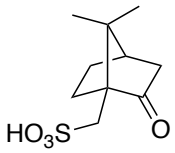


pKa = –2.6

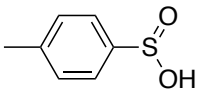


pKa = –2.8

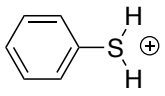
pKa = –1.7



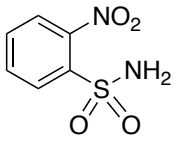
pKa = 1.2



pKa = 2

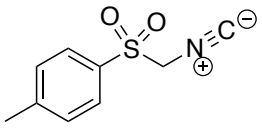


pKa = 7

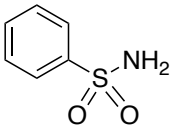


pKa 10.1

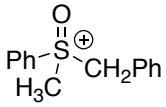
pKa = 10.6



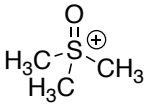
pKa = 14



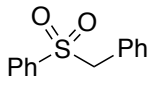
pKa = 16.1



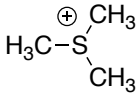
pKa = 16.3



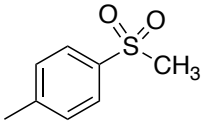
pKa = 18



pKa = 23



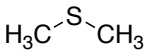
pKa = 24.5



pKa = 29

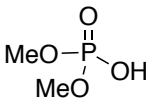
pKa = 31

pKa = 35

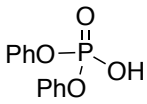


pKa = 39.7

phosphorus compounds



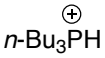
pKa = 1.3



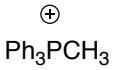
pKa = 1.9

pKa = 2.13, 7.21, and 12.32

pKa = 2.73

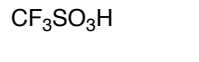


pKa = 8.43

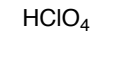


pKa = 22.4

Inorganic Compounds



pKa = –14



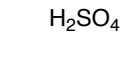
pKa = –10

pKa = –9

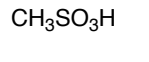
pKa = –9

pKa = –9

pKa = –8



pKa = –3.0, 1,99

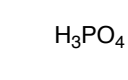


pKa = –2.6

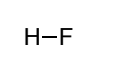
pKa = –1.7

pKa = –1.3

pKa = 1.64



pKa = 2.13, 7.21, and 12.32



pKa = 3.2

pKa = 4.63

pKa = 6.36, 10.33

pKa = 9.23, 12.7 and 13.8

pKa = 9.4