pK_a's in water (or DMSO)

(44)

(43)

(18)

(26.5)

(29.5)

(13.3)

(14.2)

(31.3)

(17.2)

(22.4)

(39)

| H ₂ O | 14* | (32) | H_2 | 35 |
|-------------------------------|-------|---------|--------------|-----------|
| H₃O ⁺ | 0.0 | | | 50 |
| нсі | -5.9 | (-2.0) | · <u>=</u> | 44 |
| ТfОН | -14.7 | (-14.3) | · = | 25 |
| ноон | 11.6 | | | |
| СН₃ОН | 15.54 | (29) | | 43 |
| CH₃SH | 10.33 | | | 41 |
| ОН | 9.95 | (18) | | 15 |
| Он | 4.76 | (12.3) | | 19.2 |
| F ₃ C OH | -0.25 | (3.45) | | 25 |
| O O S OH | -2.6 | (1.6) | . <u> </u> | 9 |
| NH ₃ | 38 | (41) | | |
| N ⁺ H ₄ | 9.2 | (10.5) | EtO O | 11 |
| Et₃N ⁺ H | 10.75 | (9) | — = N | 25 |
| | | | <u> </u> | |
| H H | 5.23 | (3.4) | \n'\. | 10 |
| € N | 16.2 | (21.0) | O₋ · | |
| н О | | | 51.3 | |
| H₃C NH₂ | 15.1 | (25.5) | | 31 |