doi:10.1351/goldbook.P04909

protonation constant

The equilibrium constant $K_{\mathrm{H}\,n}$ for the addition of the nth proton to a charged or uncharged ligand. The cumulative protonation constant, $\beta_{\mathrm{H}\,n}$, is the equilibrium constant for the formation of $\mathrm{H}_n\mathrm{L}$ from $n\mathrm{H}^+$ and L. The same equilibrium constant may be described in several ways, depending on how the ligand, L, or the acid, has been defined.

Source:
Orange Book, p. 13

 Copyright © 2014 IUPAC