

without Proton ambigui

$$k_{\text{obs}} = k_{\text{f}}C_{\text{B}} + k_{\text{d}}$$

$$-\frac{d[\text{B-L}]}{dt} = k_{2}[\text{B}(\text{OH})_{2}][\text{HL}^{-}] + k_{4}[\text{B}(\text{O})]$$

$$k_{-4}[\text{B-L}][\text{OH}^{-}])$$

$$= \{(k_{2} + k_{4}K_{\text{a}}^{\text{B}}[\text{H}^{+}]^{-1})K^{*-1}C_{\text{B}} + k_{-2}K^{*} = 1 + K_{\text{a}}^{\text{B}}[\text{H}^{+}]^{-1})K^{*-1}C_{\text{B}} + k_{-2}K^{*} = 1 + K_{\text{a}}^{\text{B}}[\text{H}^{+}]^{-1}K^{*-1}C_{\text{B}} + K_{\text{a}}^{\text{B}}[\text$$



Ishihara lab.

Department of Chemistry and Biochemistry, Waseda University

