

Helet mechanis $0_1 + 2s \rightleftharpoons 20-S$ $\times \left[0_{2}\right] \times \left(1 - \Theta_{co} - \Theta_{o}\right) = 1 \times \Theta_{o}^{2} \times \Theta_{o}^{2}$ $\frac{k_{a} \times 10_{2} \times 10_{2}}{(1 - \theta_{co} - \theta_{o})^{2}} = \frac{1}{k_{o_{2}}} \frac{m_{o_{2}}}{0_{o}^{2}}$ $1 - \theta_{co} - \theta_{o} = \frac{1}{|k_{o}|^{1/2} \left[\frac{\theta_{o}}{2} \right]^{1/2}} = \frac{1}{|k_{o}|^{1/2} \left[\frac{\theta_{o}}{2} \right]^{1/2}}$ $k_{a_{co}} \times [co] \times (1-\theta_{co}-\theta_{o}) = k_{sco} \theta_{co} \times \phi_{o}$ Total # of-sites $1 - \frac{\theta_{co} - \theta_{0}}{K_{co}} = \frac{1}{K_{co}} \frac{\theta_{co}}{K_{co}}$ Oco XTO OOX TO {1-(Oco+00)} } To $\frac{1}{k_{co}[co]} \frac{O_{co}}{O_{co}} = \frac{1}{k_{o_2}^{1/2} [o_2]^{1/2}} = \frac{0}{1}$ $1 - \frac{k_{co} \left[c_0 \right]}{k_{0}^{1/2} \left[c_0 \right]^{1/2}} \left[c_0 \right] - \left[c_0 \right] = \frac{1}{k_{co} \left[c_0 \right]}$ $\Phi_{0} = \left\{ \frac{|k_{c_{0}}[c_{0}]|}{|k_{o_{2}}|^{2}} + 1 + \frac{1}{|k_{o_{2}}|^{2}} \right\} = 1 \qquad \frac{1}{|k_{o_{2}}|^{2}} \left\{ \frac{|c_{0}|^{2}}{|c_{0}|^{2}} \right\} = 1$

$$\Theta_{0} = \frac{k_{0}^{1/2} [o_{1}]^{1/2}}{1 + k_{c_{0}} [co]^{2} + k_{0}^{1/2} [o_{1}]^{1/2}}$$

$$\Theta_{c_{0}} = \frac{k_{c_{0}} [co]}{1 + k_{c_{0}} [co]^{2} + k_{0}^{1/2} [o_{1}]^{1/2}}$$

$$\frac{L H}{meckerism}$$

$$C_{0} (ads) + o(ads) \xrightarrow{k_{3}} c_{0}(g)$$

$$E_{R} = k_{2} \times [co] \times \Theta_{0}$$

$$= k_{3} K_{0}^{1/2} k_{c_{0}} [o_{1}]^{1/2} [co]$$

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