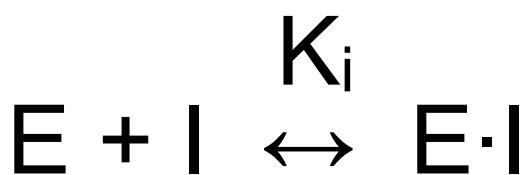
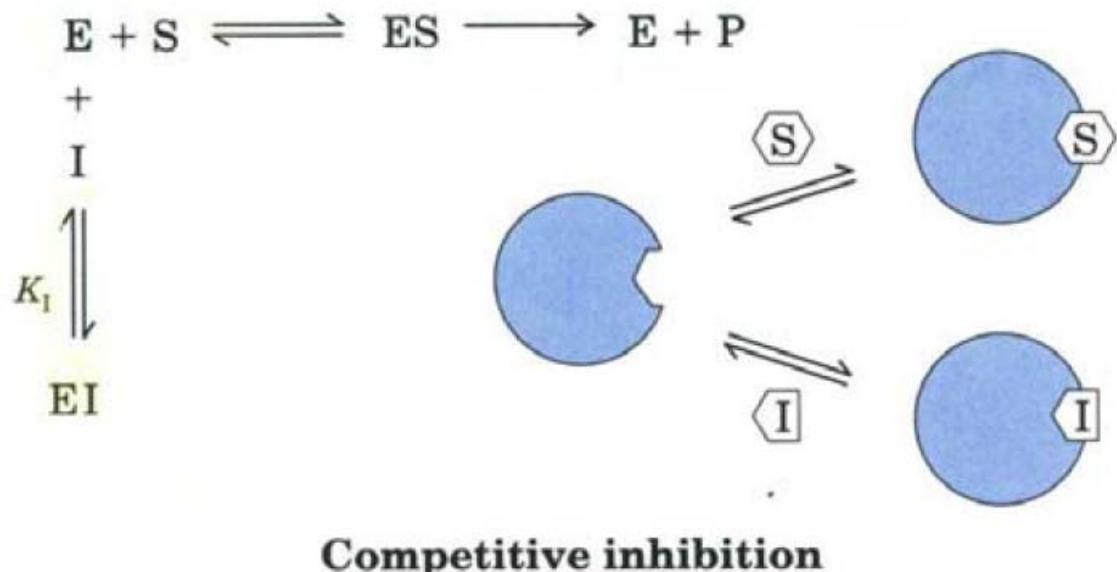


Конкурентное ингибиование



Реальные условия

$$[I] \gg [E_0]$$

поэтому пренебрегаем изменением концентрации I,
т.е.

$$[I] \approx [I_0]$$

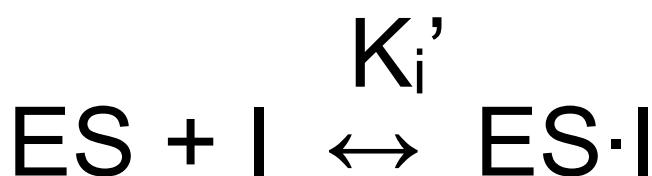
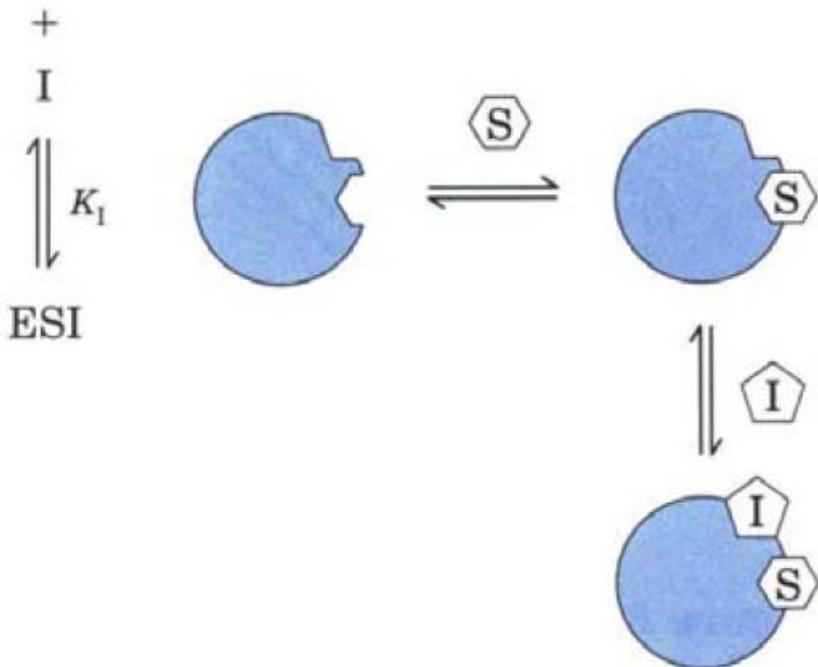
$$[E \cdot I] = [E]^* [I] / K_i$$

$$[ES] = [E_0] - [E] - [E \cdot I]$$

$$[ES] = [E_0] - [E]^* (1 + [I] / K_i)$$

$$[ES] = [E_0] - [E]^* (1 + [I] / K_i)$$

Бесконкурентное ингибиование



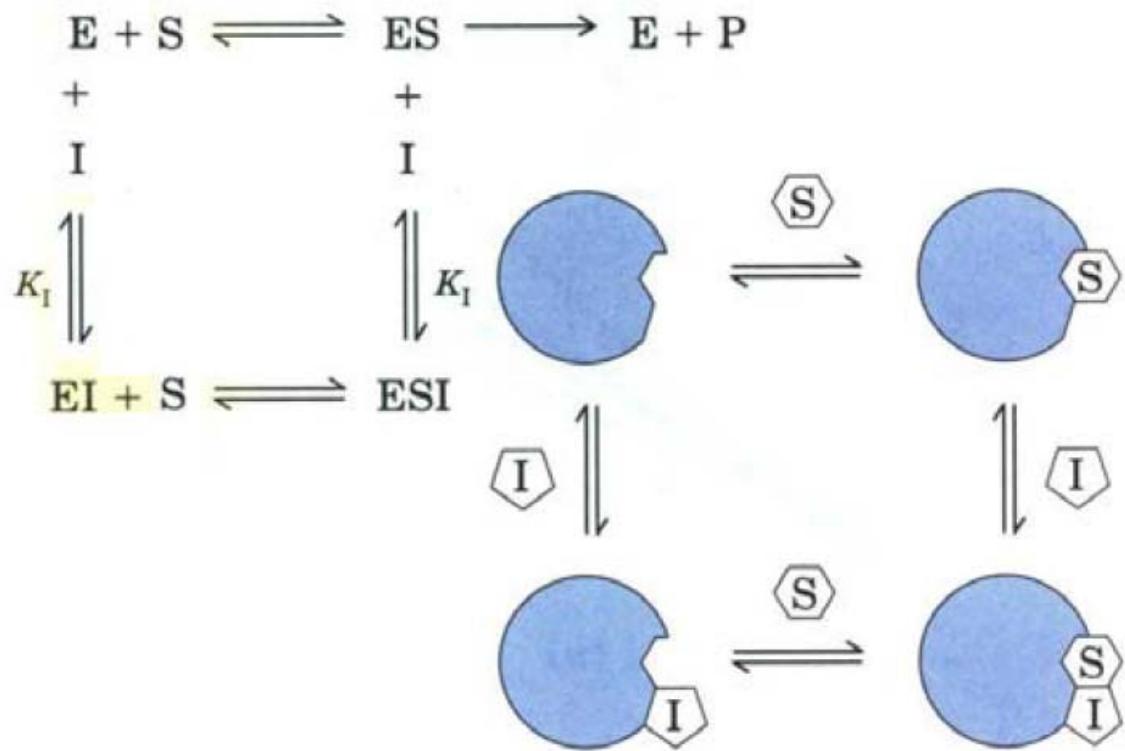
$$K_i' = [ES]^* [I] / [ES \cdot I]$$

$$[ES] = [E_0] - [E] - [E \cdot I] - [ES \cdot I]$$

$$[ES]^* (1 + [I]/K_i') = [E_0] - [E]$$

$$[ES]^* (1 + [I]/K_i') = [E_0] - [E]$$

Неконкурентное ингибиование



$$[ES] = [E_0] - [E] - [ES \cdot I]$$

$$[ES] \cdot (1 + [I]/K_i') = [E_0] - [E] \cdot (1 +$$

$$[I]/K_i)$$