



- Enzyme Activity Regulation:
1. Substrate Availability (Change $[S]$)
 2. Enzyme Concentration (synthesis / degradation)
 3. $E_{active} / E_{inactive}$ (phosphorylation)
 4. Allosteric Regulation (by modulator)

Note: Non-Competitive (Reversible) Inhibitor plots looks like Irreversible Inhibitor: K_m same, V_{max} lower