

→ competitive inhibitor (irreversible inhibitor)

• In Lineweaver Burk plot the v_{max} (max. velocity) doesn't change but the K_m (Michaelis menten const.) is increase.

• The v_{max} at y -intercept is same but the K_m at x -intercept is change.

eg → Di-isopropyl fluorophosphate inhibits Acetylcholinesterase.

→ non-competitive inhibitor (reversible inhibitor)

• In Lineweaver Burk plot the v_{max} is decreases but doesn't change in K_m .

• The v_{max} at y -intercept is change but the K_m at x -intercept is same.

eg → Monoamine oxidase.