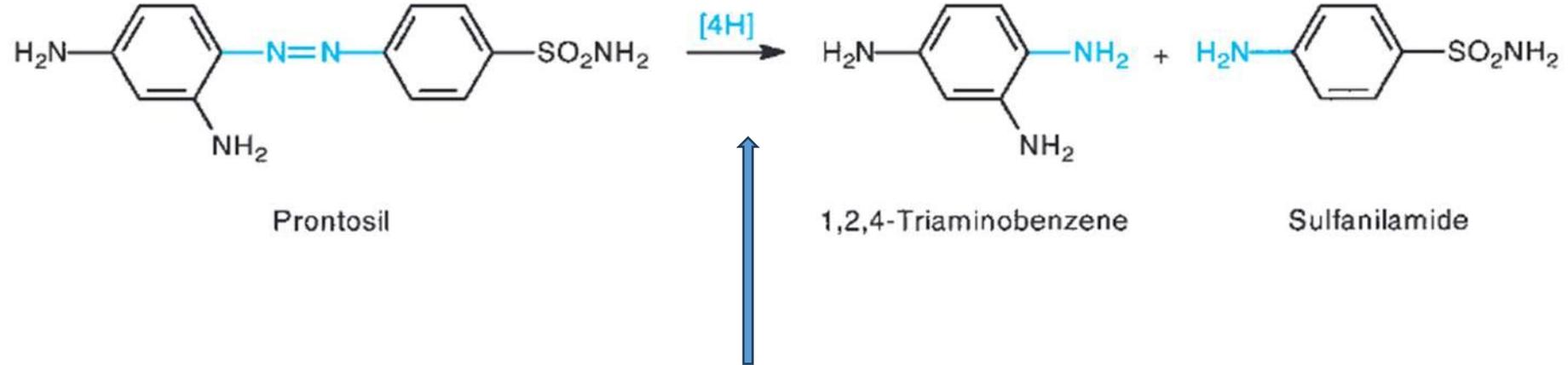


Reduction

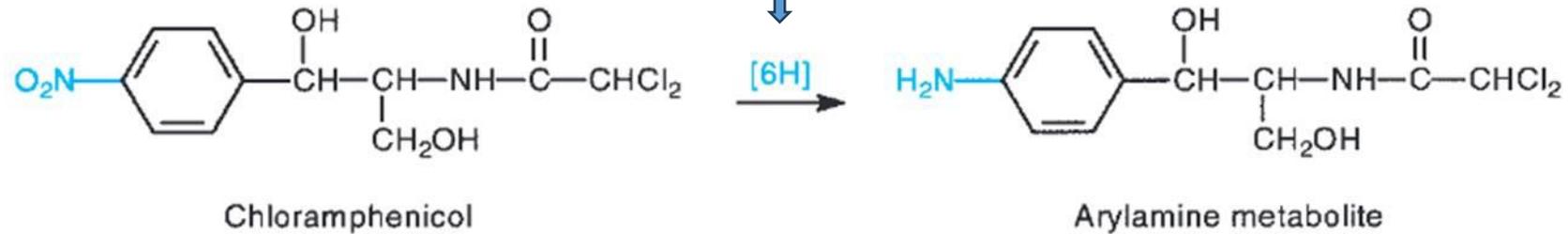
Addition of Hydrogen / positively charged radical or
removal of Oxygen / negatively charged radical

Azo-Reduction

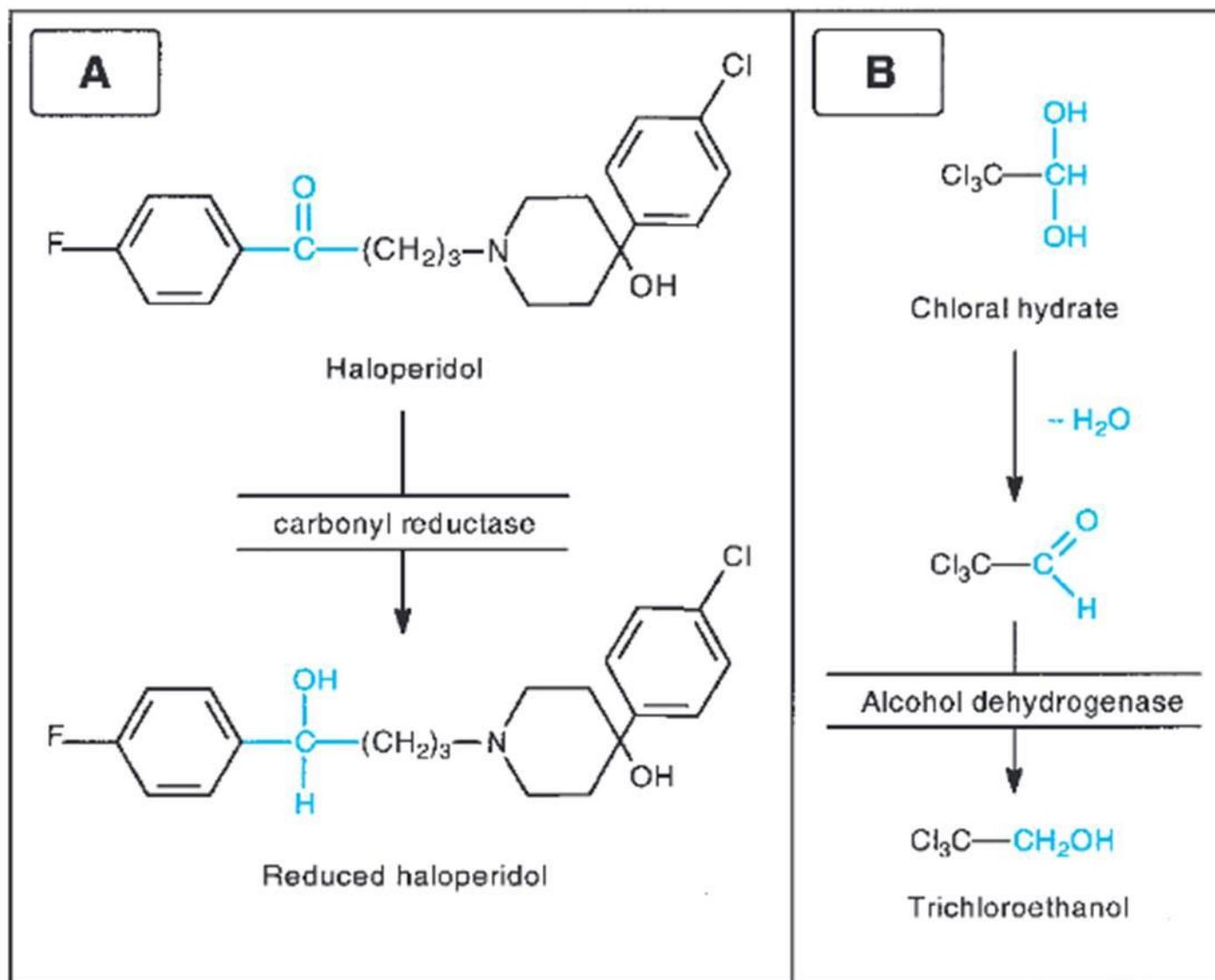


Cytochrome P450:NADPH-oxidoreductase or NADPH-Cytochrome P450 reductase

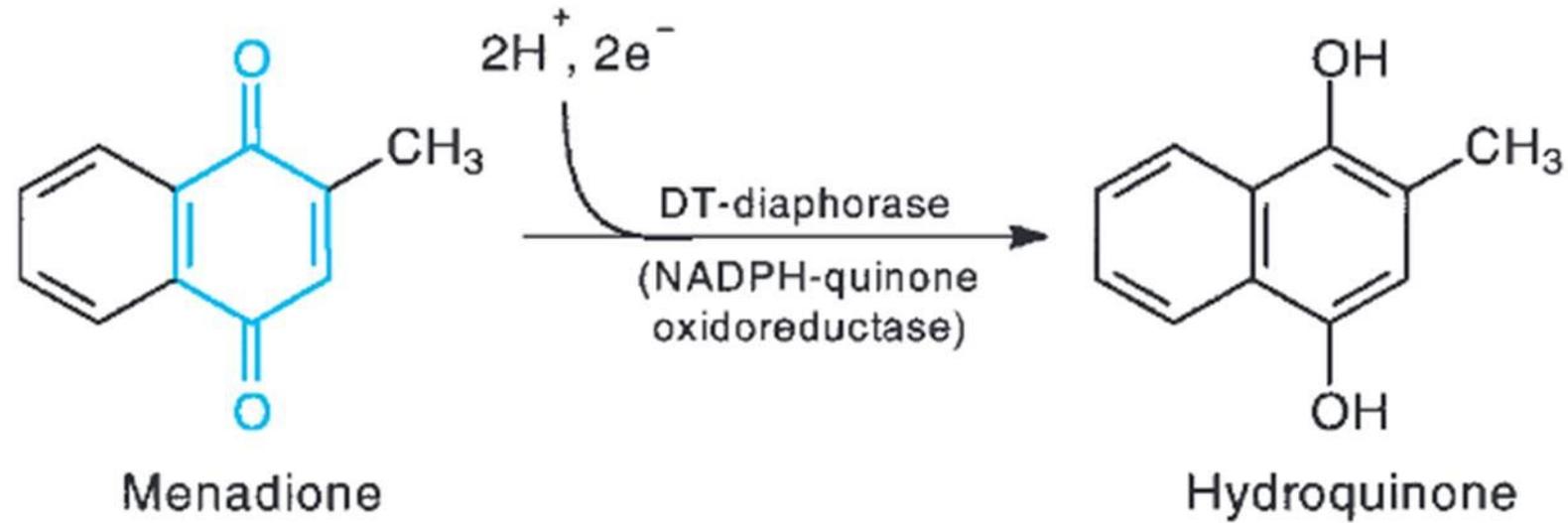
Nitro-Reduction



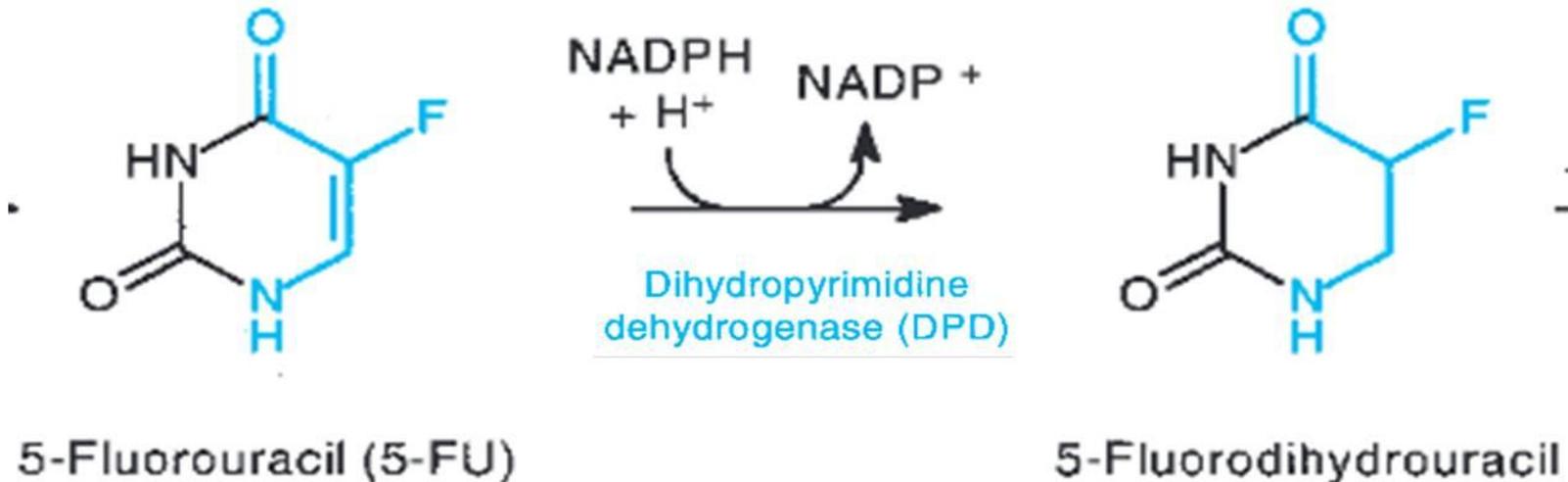
Carbonyl Reduction



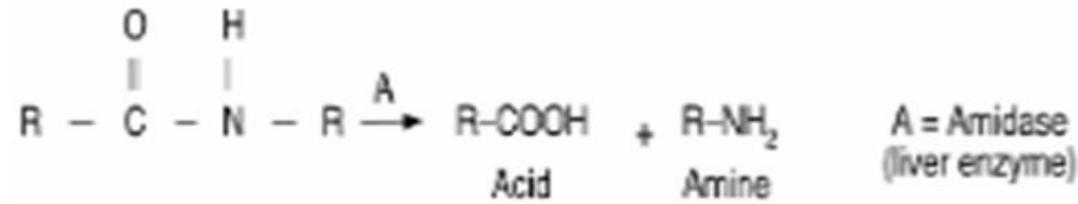
Quinone Reduction



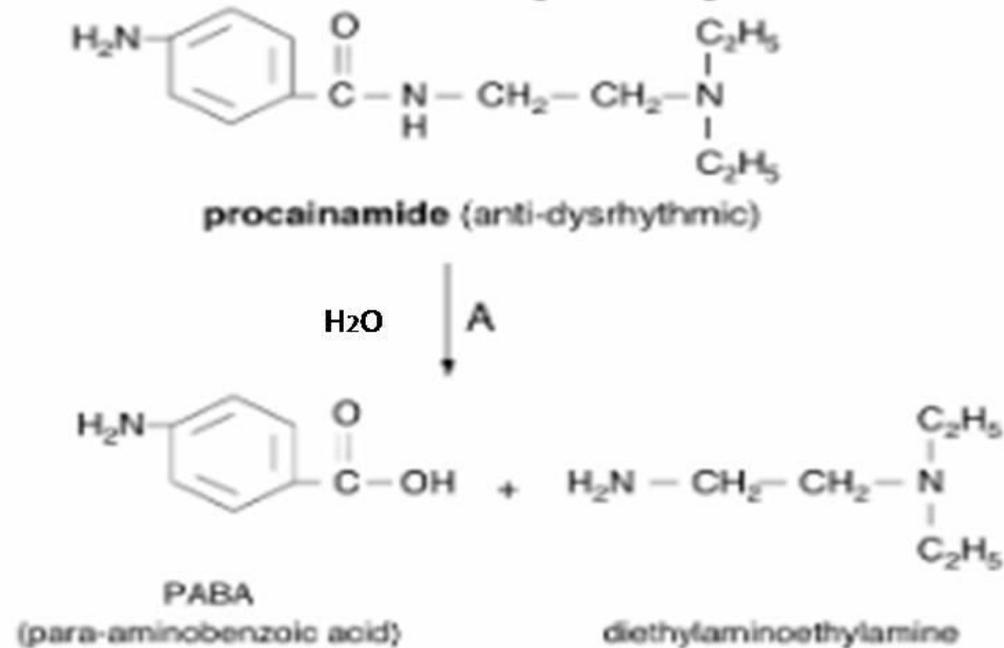
Reduction by Dihydropyrimidine Dehydrogenase



Amide Hydrolysis



Carboxylesterases



Phosphoric acid ester hydrolysis

