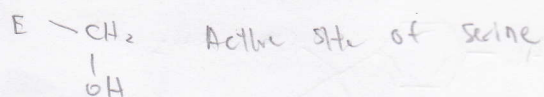
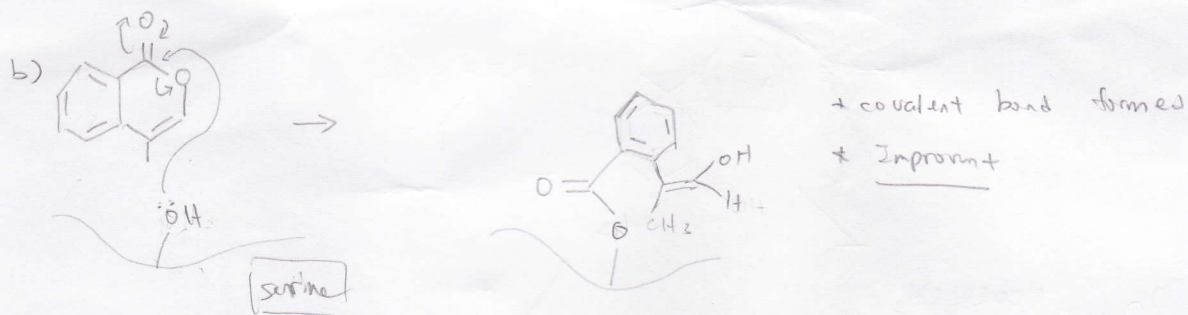


① a) suicide inhibitor

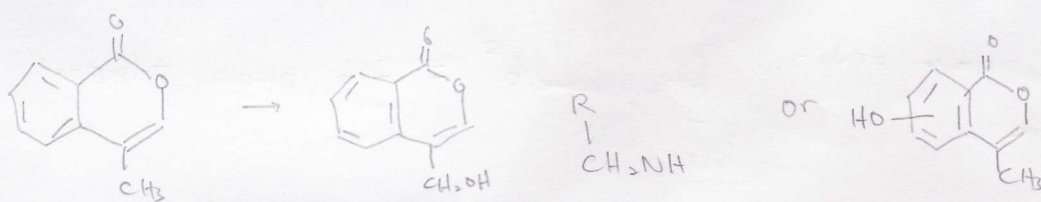
- irreversible inhibitor  $\Rightarrow$  binds irreversibly to the active site
- $\Rightarrow$  covalent bond formed b/w the drug & enzyme
- Substrate is blocked from the active site.
- Inhibitor likely to be in similar in structure to the substrate

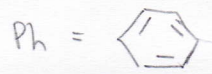


To improve its action

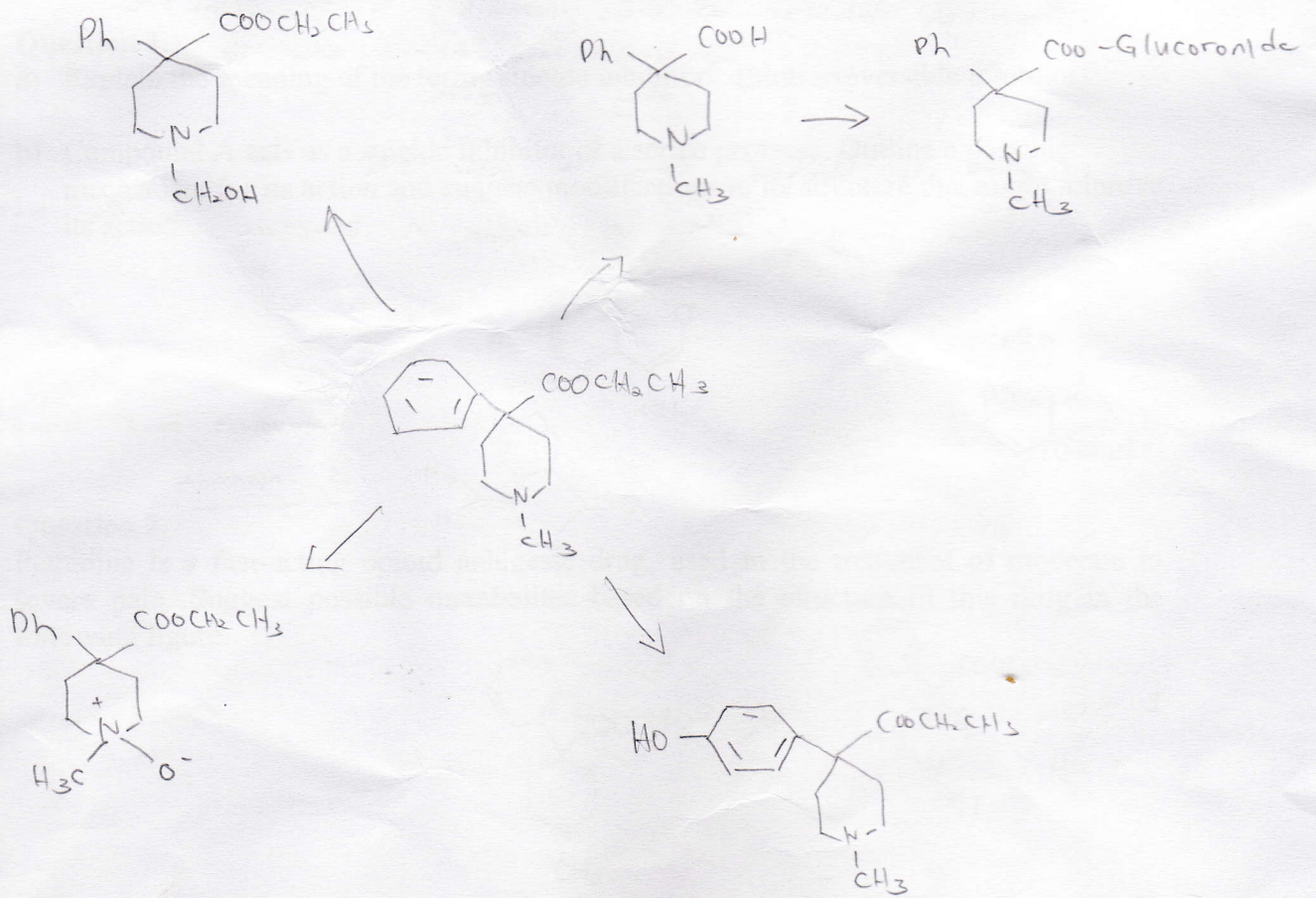
add Hydrogen donor / acceptor  $\rightarrow$  hydrogen bonding between inhibitor and target.

Therefore bond more strongly and action increase





②



③ Refer to lecture notes

④ - 6 type amino acids.  
- tripeptide

}

$$6^3 = 216 \text{ possible tripeptide}$$

Combinatorial techniques  $\Rightarrow$  refer to lecture notes.

$\hookrightarrow$  mixed combinatorial synthesis

MCA

|     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|
| ① D | ⑥ B | ⑪ A | ⑬ D | ⑲ C | ⑳ D |
| ② C | ⑦ B | ⑫ C | ⑭ D | ⑳ D | ㉑ C |
| ③ C | ⑧ A | ⑬ B | ⑱ B | ㉒ D | ㉓ D |
| ④ A | ⑨ A | ⑭ A | ⑲ A | ㉓ C | ㉔ B |
| ⑤ C | ⑩ B | ⑮ C | ㉔ B | ㉔ C | ㉔ C |