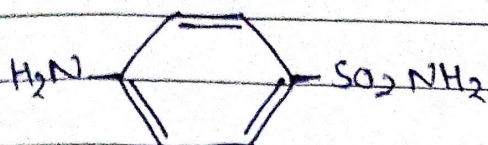


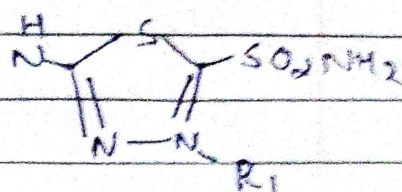
Carbomic Anhydase Inhibitor

→ General structure.

①

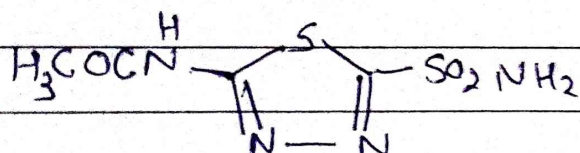


②



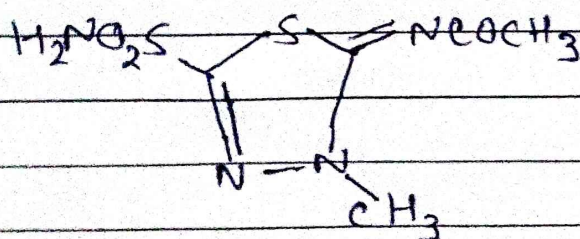
(R1 only present if there is no double bond)

- SO_2NH_2 group is Required for Activity
- Binding Affinity is determine largely By flatness of Molecule
- Double Bond Nitrogen Increase Association Rate very high & gives low Affinity than Thiazide (specially Methiazide)
- ex: Acetazolamide



Acetazolamide

- presence of Alkyl Group At SO_2NH_2 ^{parallel} ~~At~~ N. C_2 Increase Slide Affinity & Association Rate more than Acetazolamide



Methazolamide