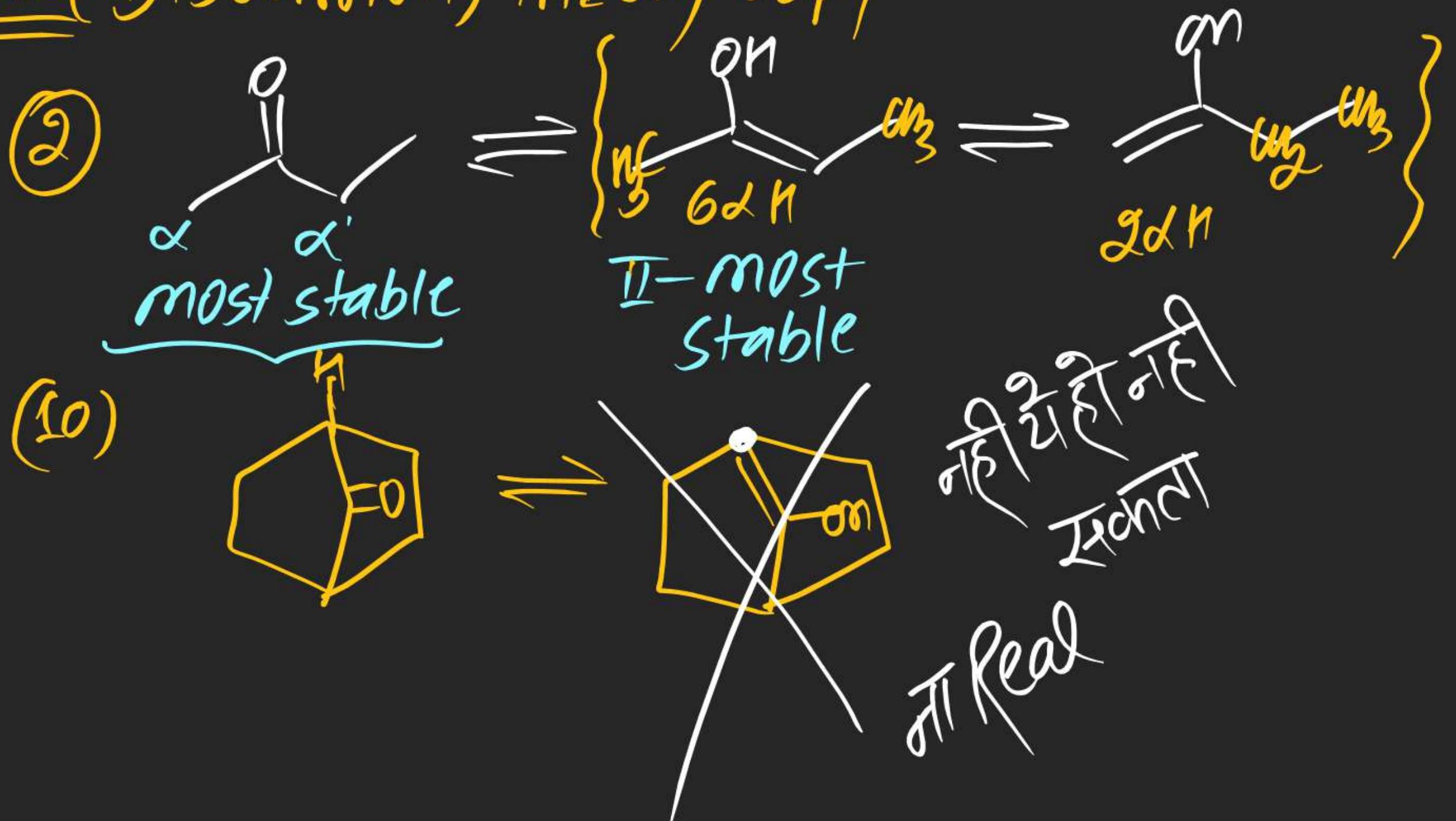
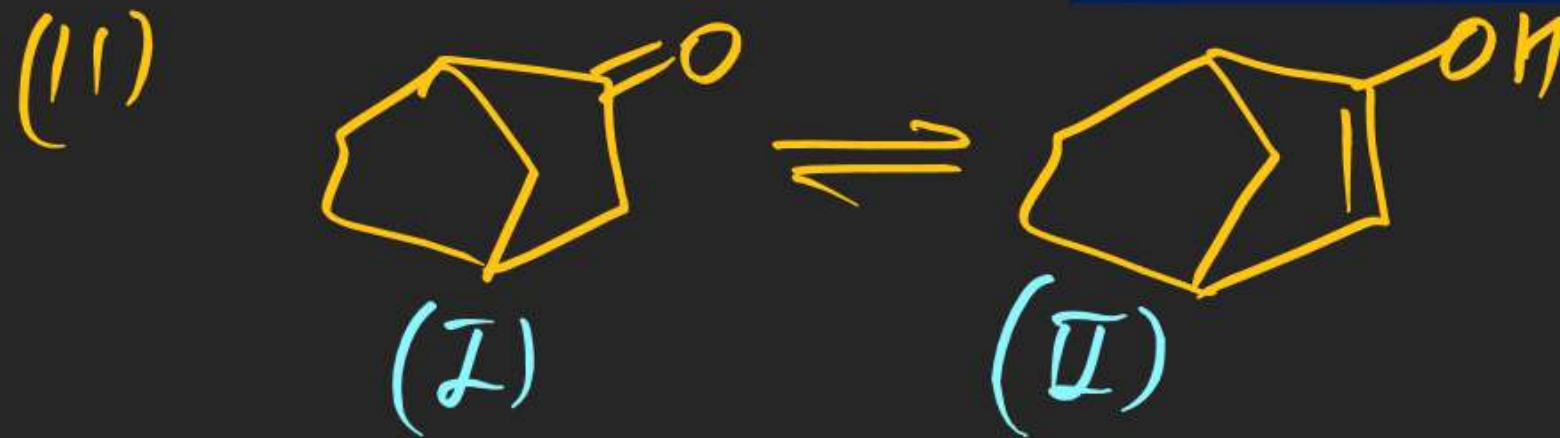


STEREOISOMERISM

HW (Discussion) Theory Copy

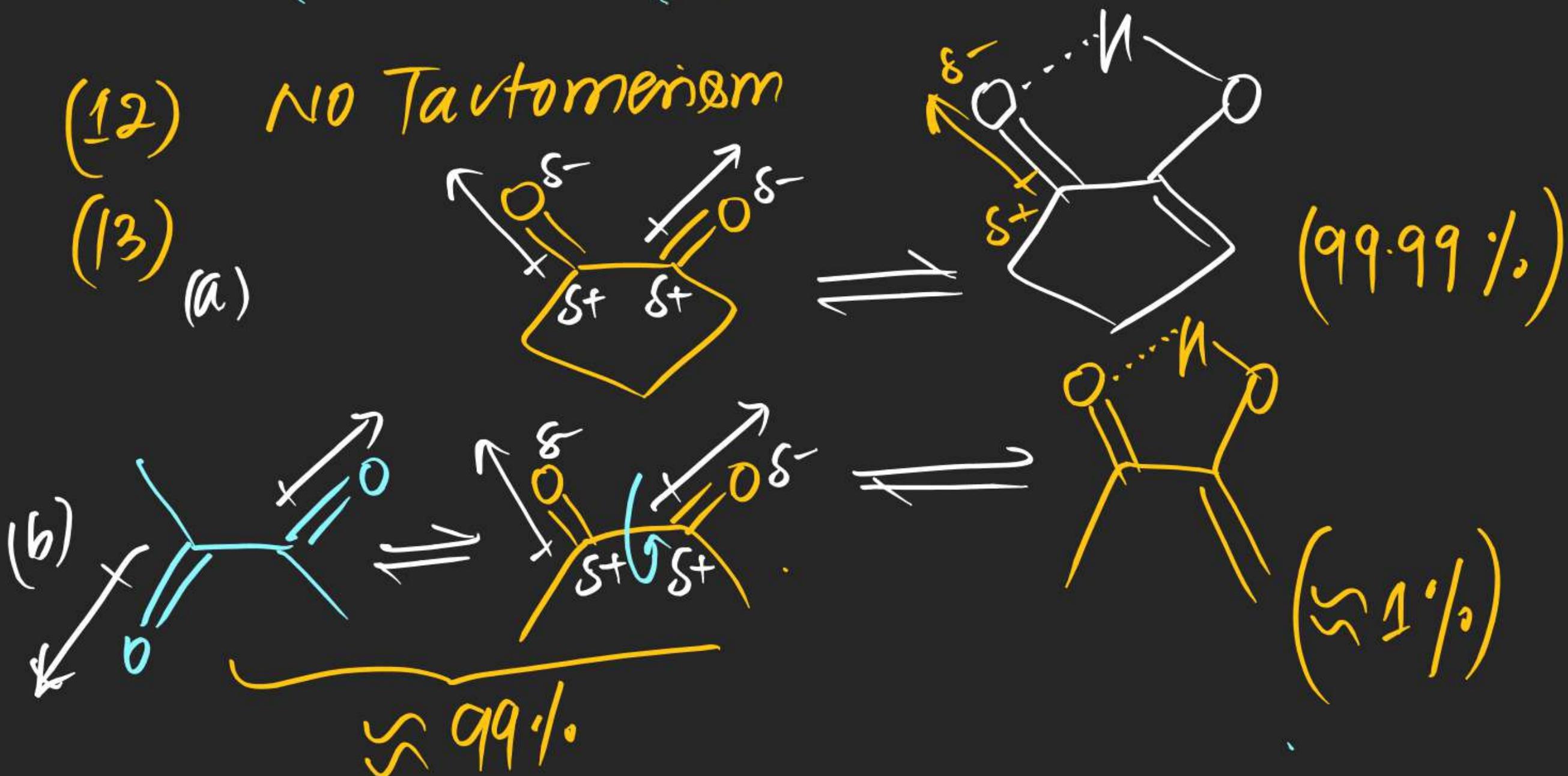


STEREOISOMERISM

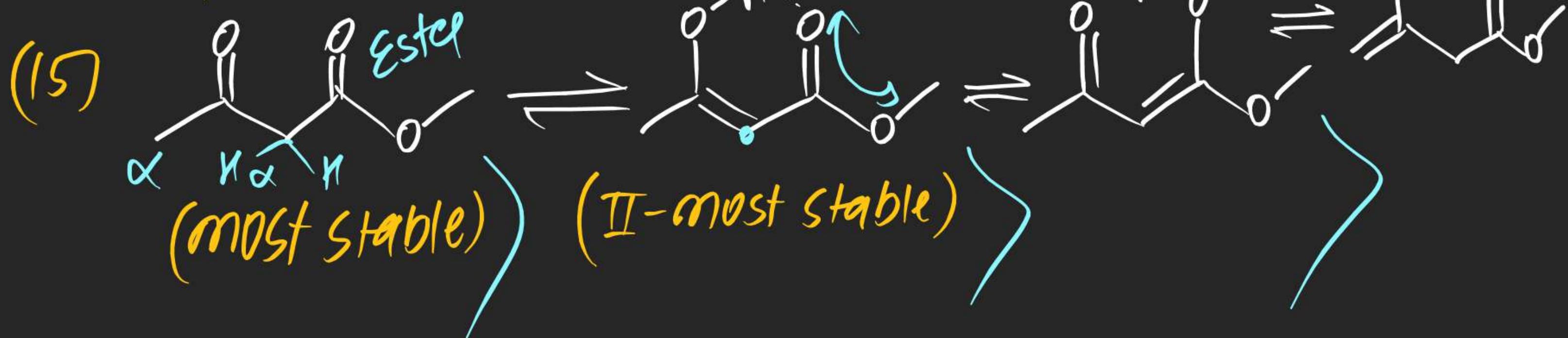


(12) NO Tautomerism

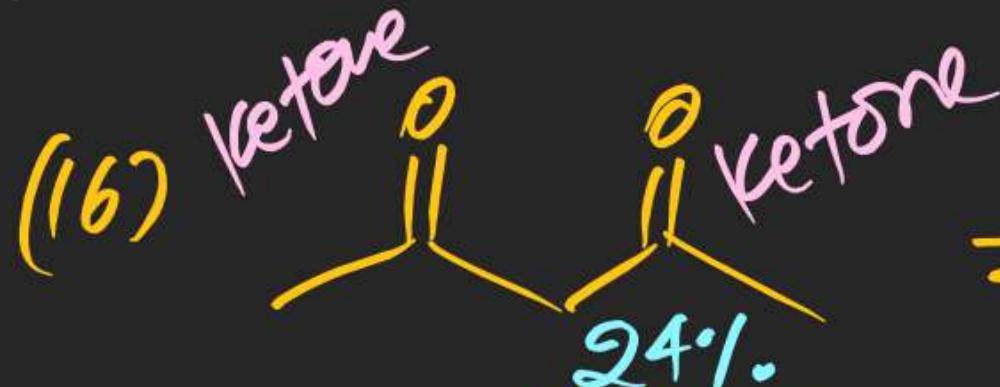
(13) (a)



STEREOISOMERISM

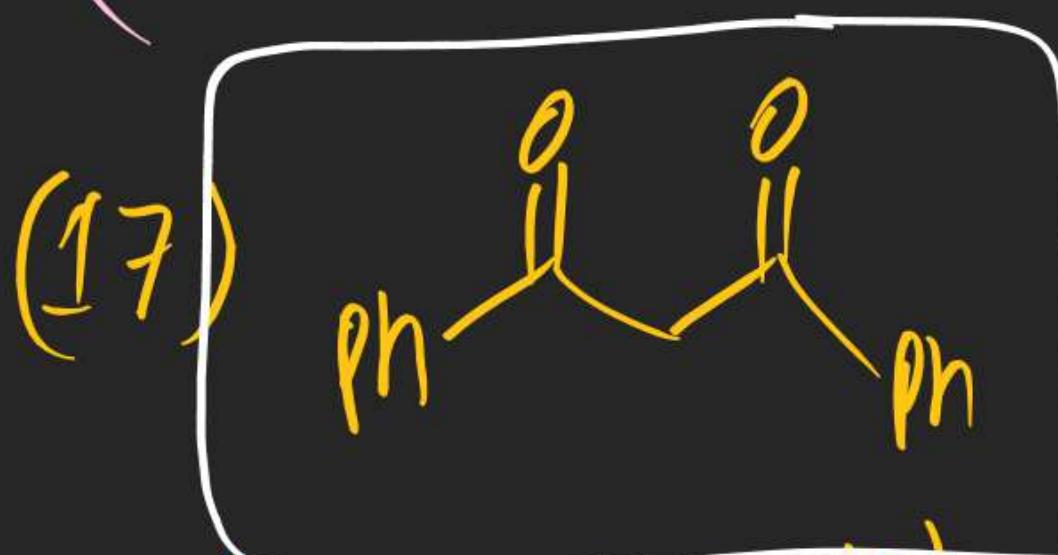
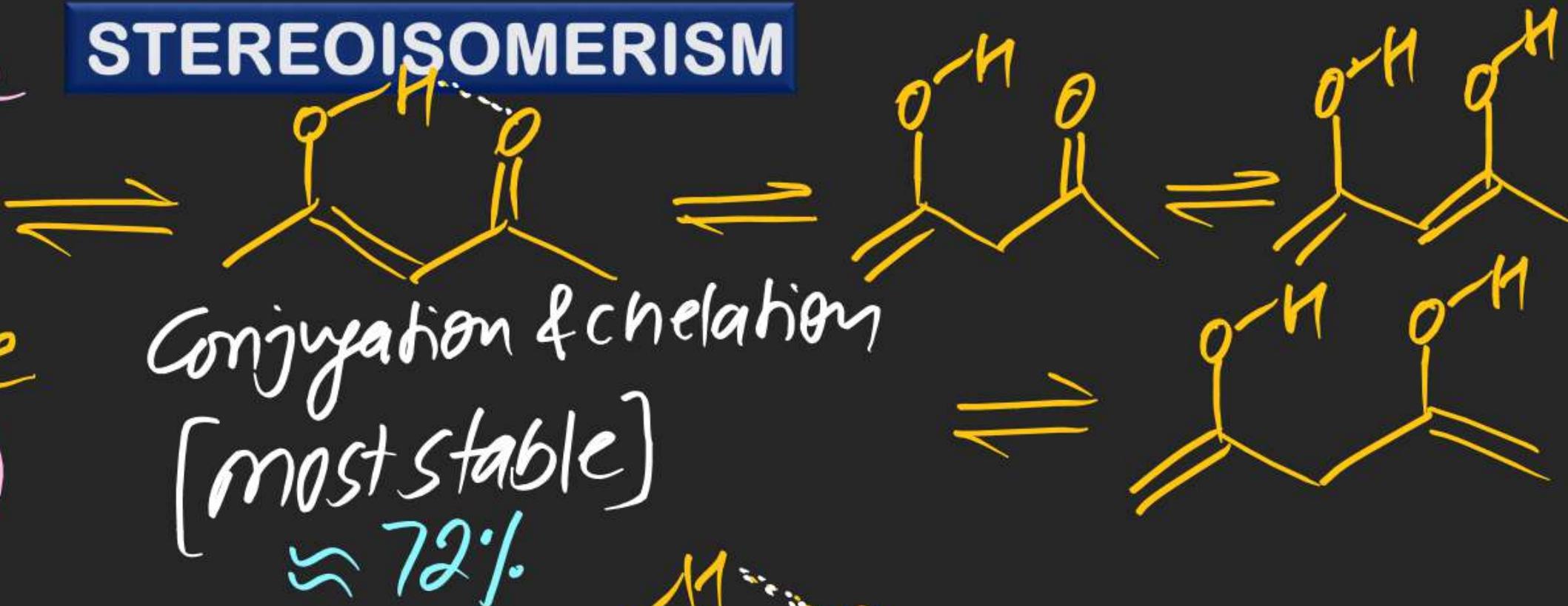


STEREOISOMERISM



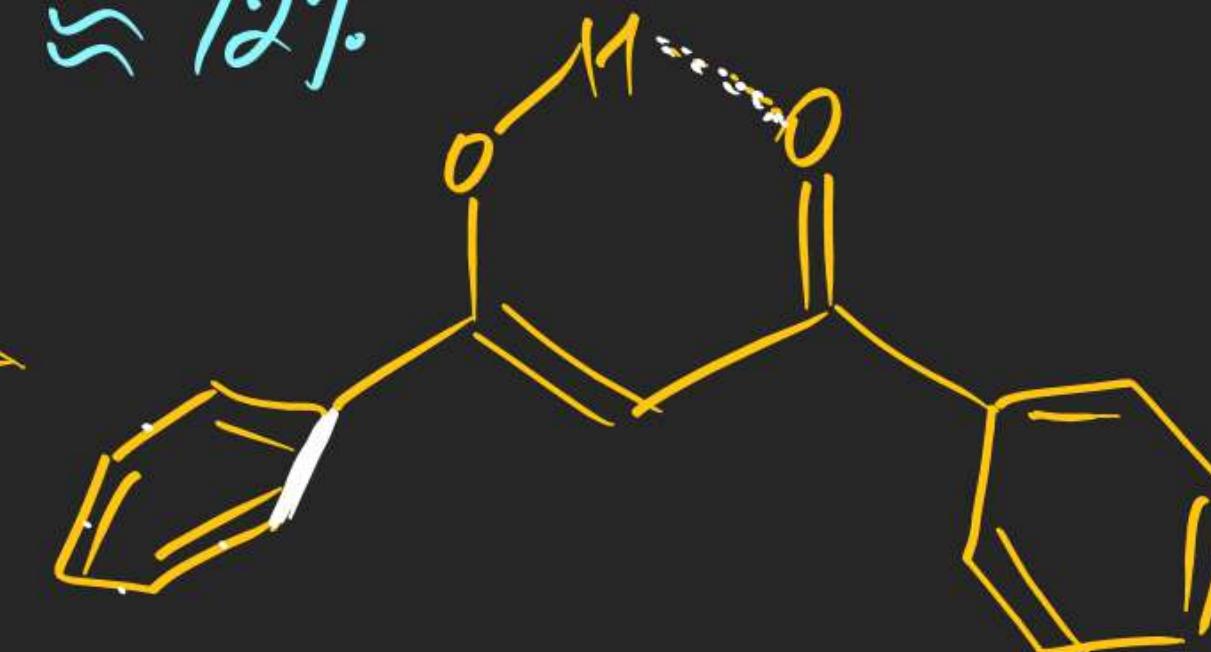
Acetyl Acetone

(II-most stable)



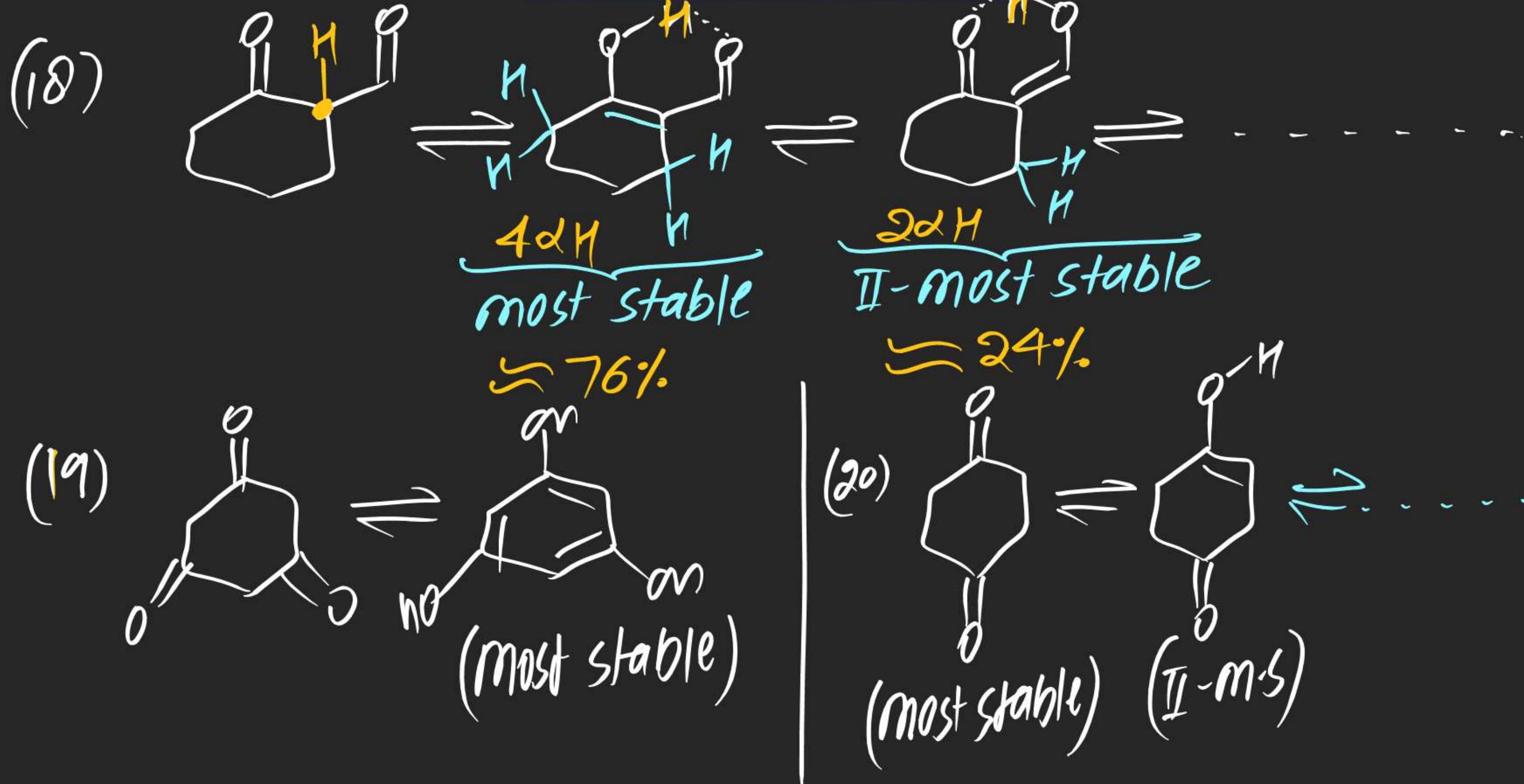
(II-most stable)

(Nefaproxen)
 (ketone)

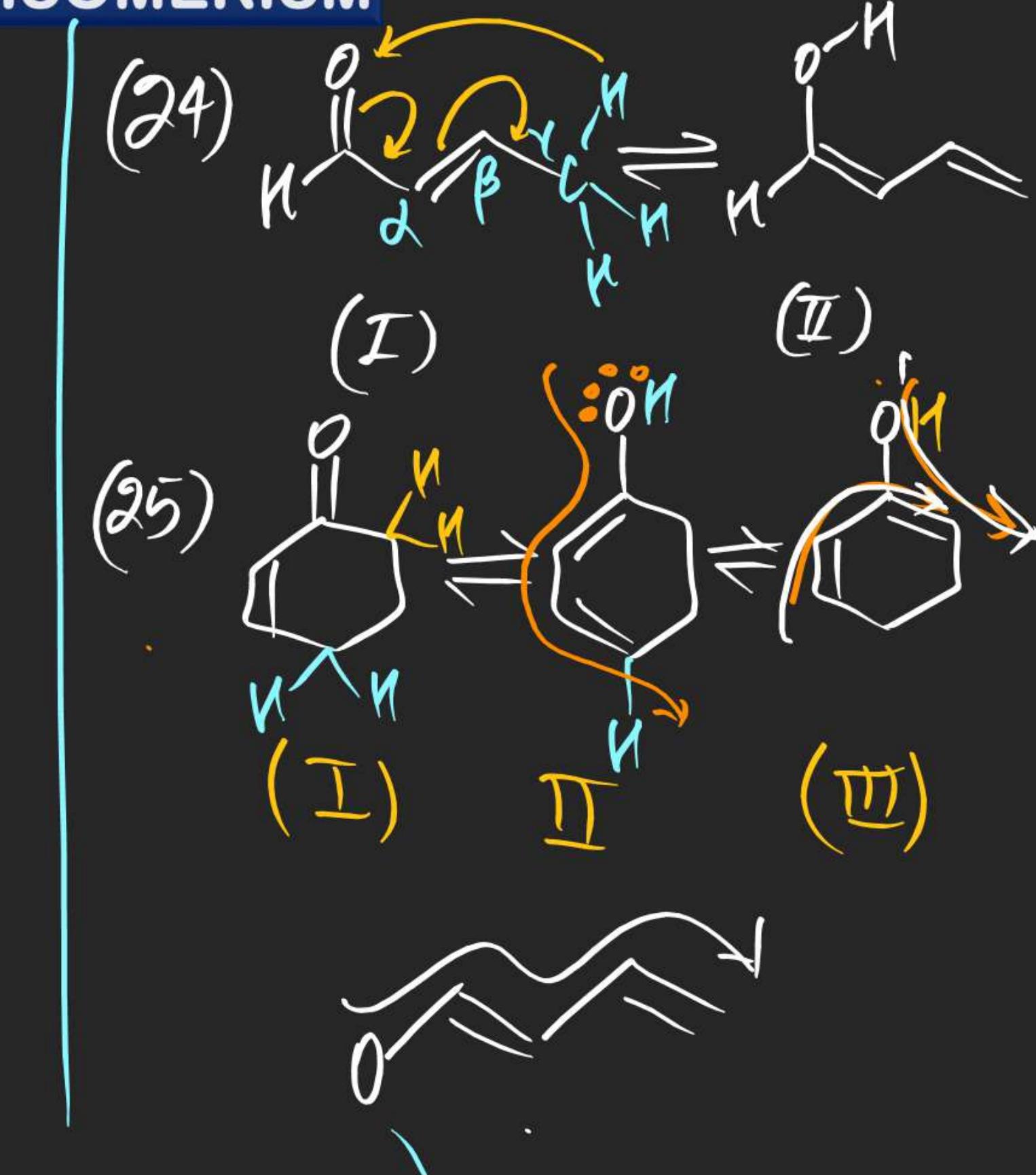
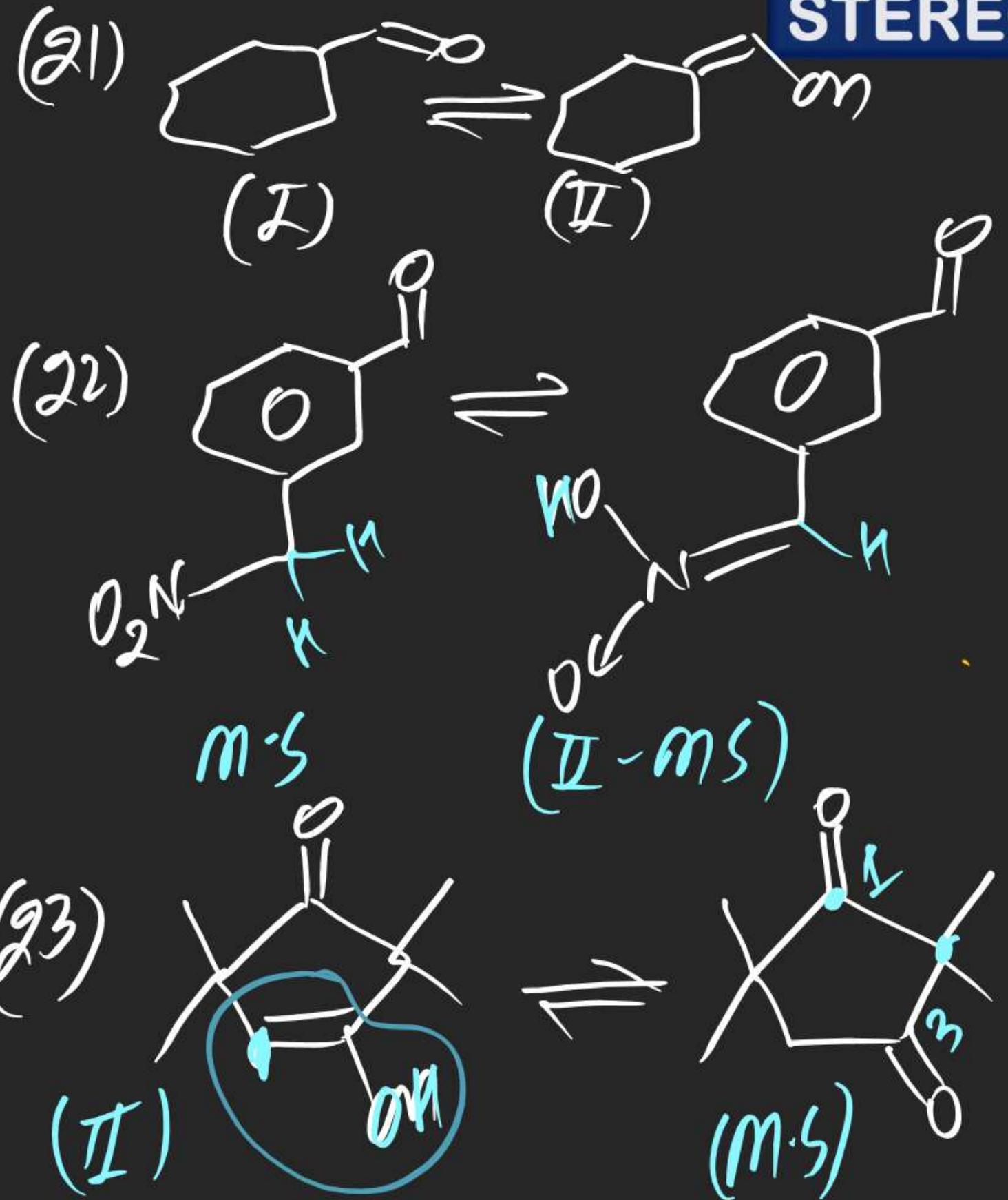


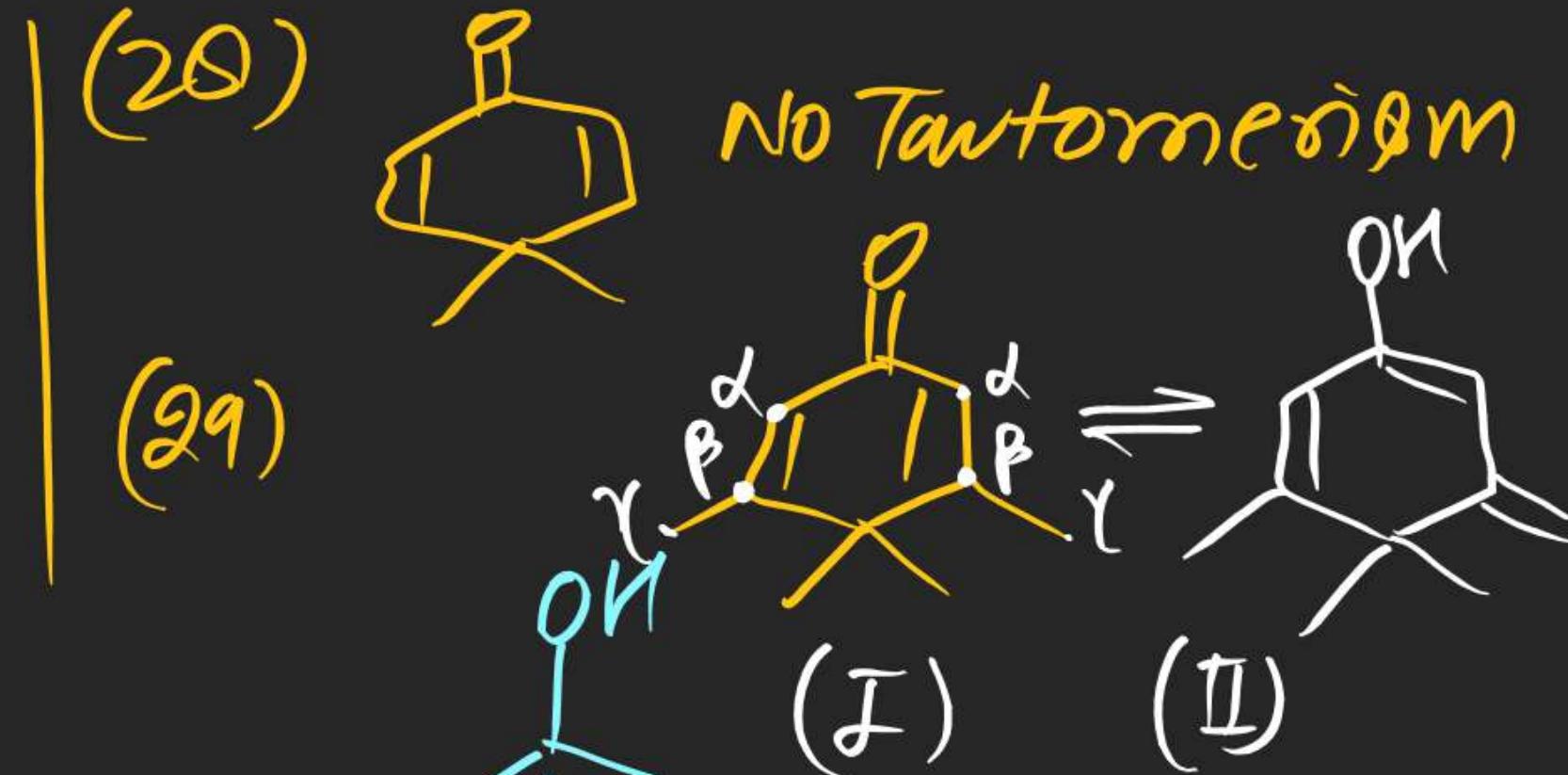
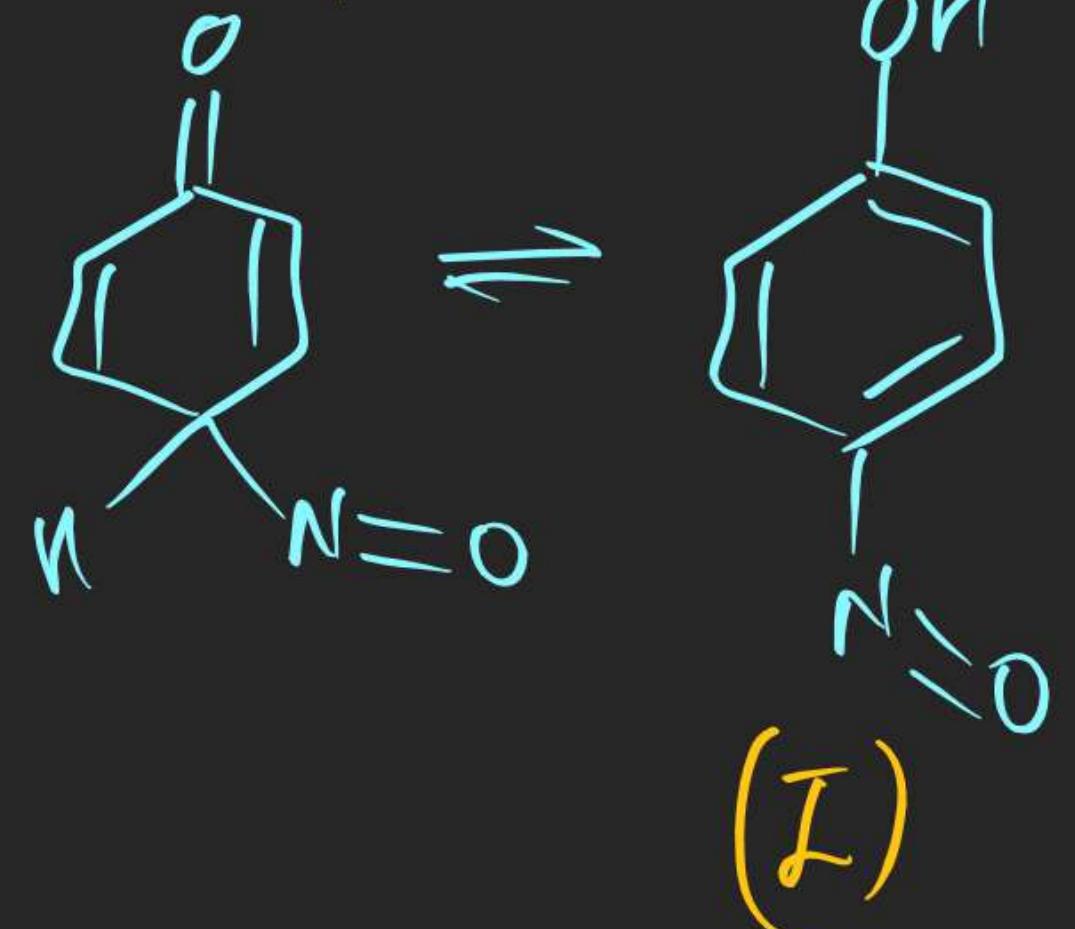
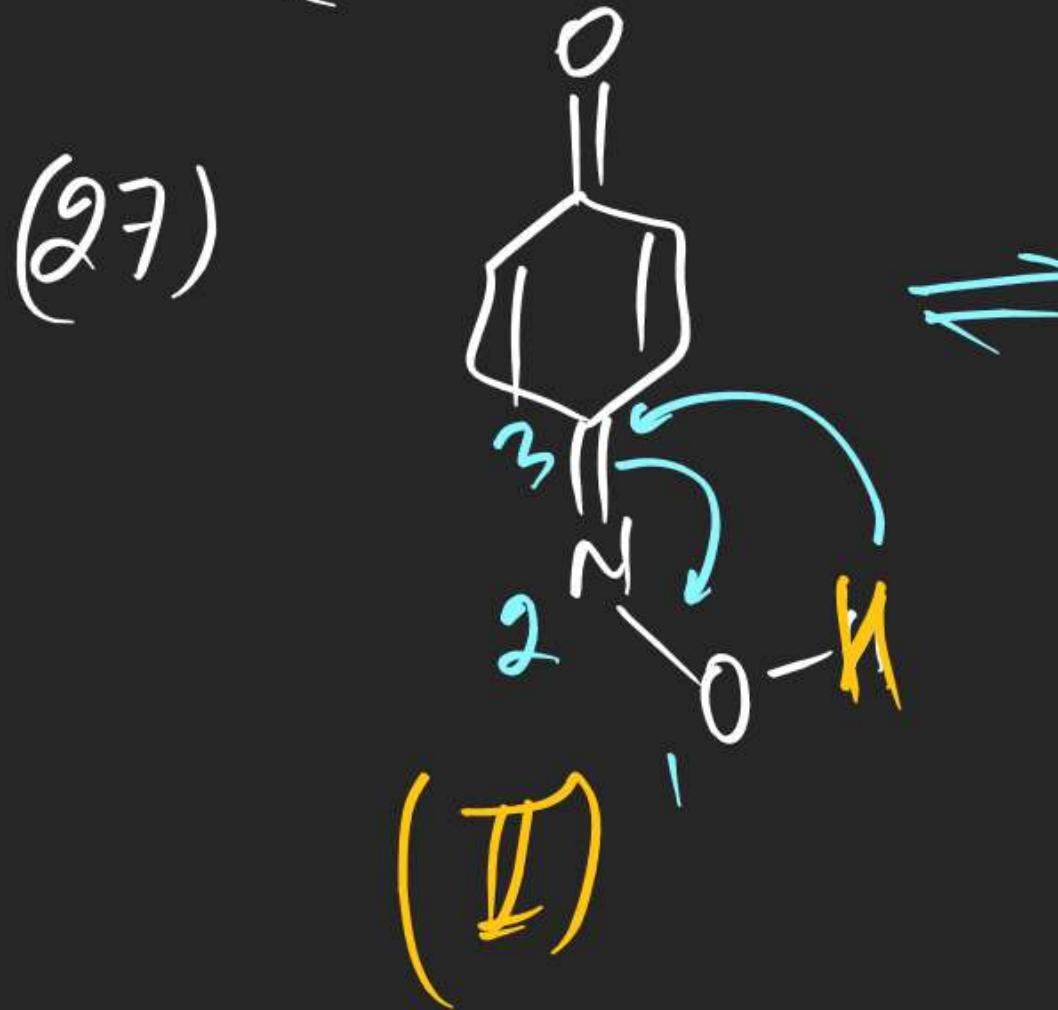
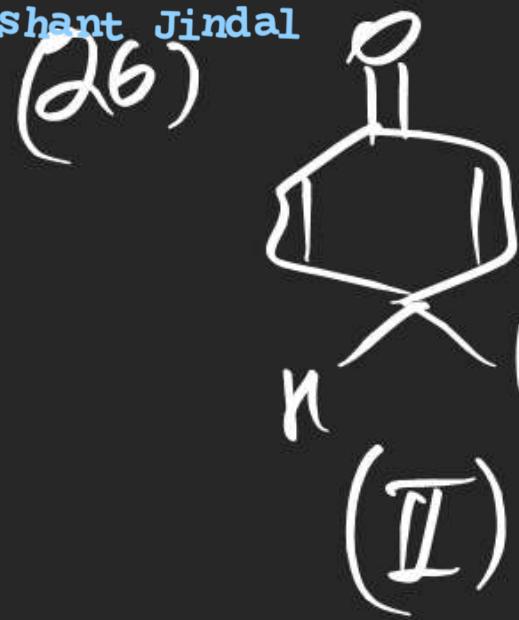
~ 99.99% (most stable)

STEREOISOMERISM

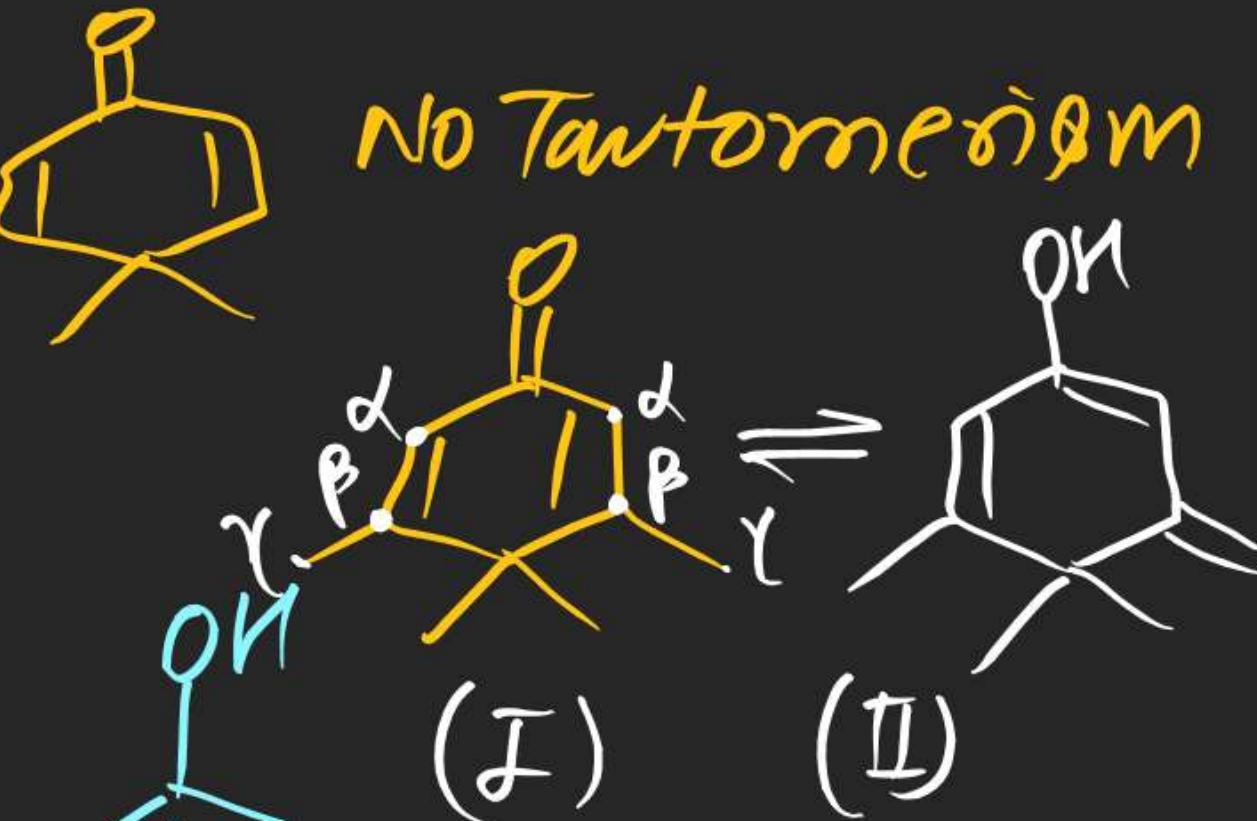


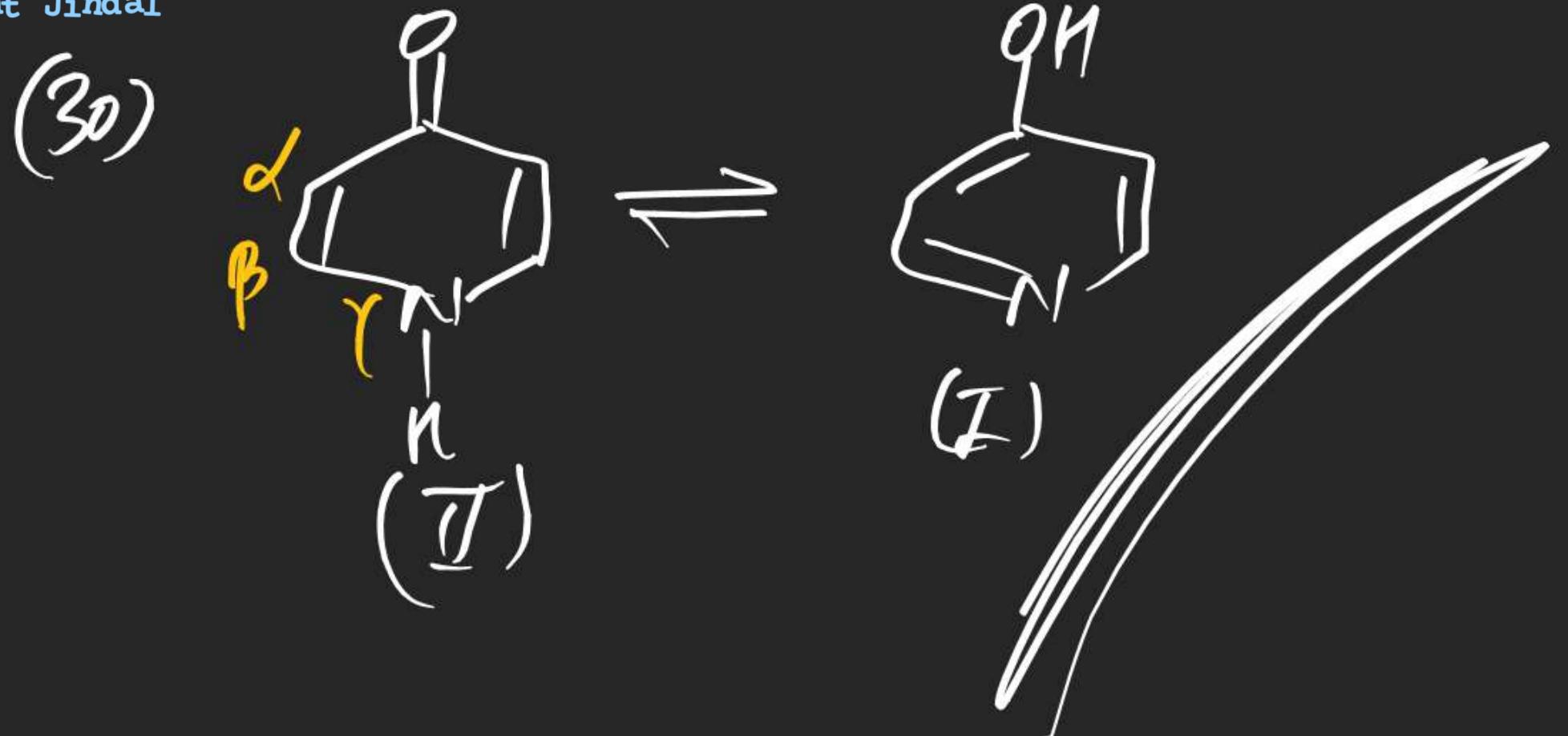
STEREOISOMERISM





(Q9)





Note:

Tautomerism Can be Catalysed By
using Both Acid & Base.

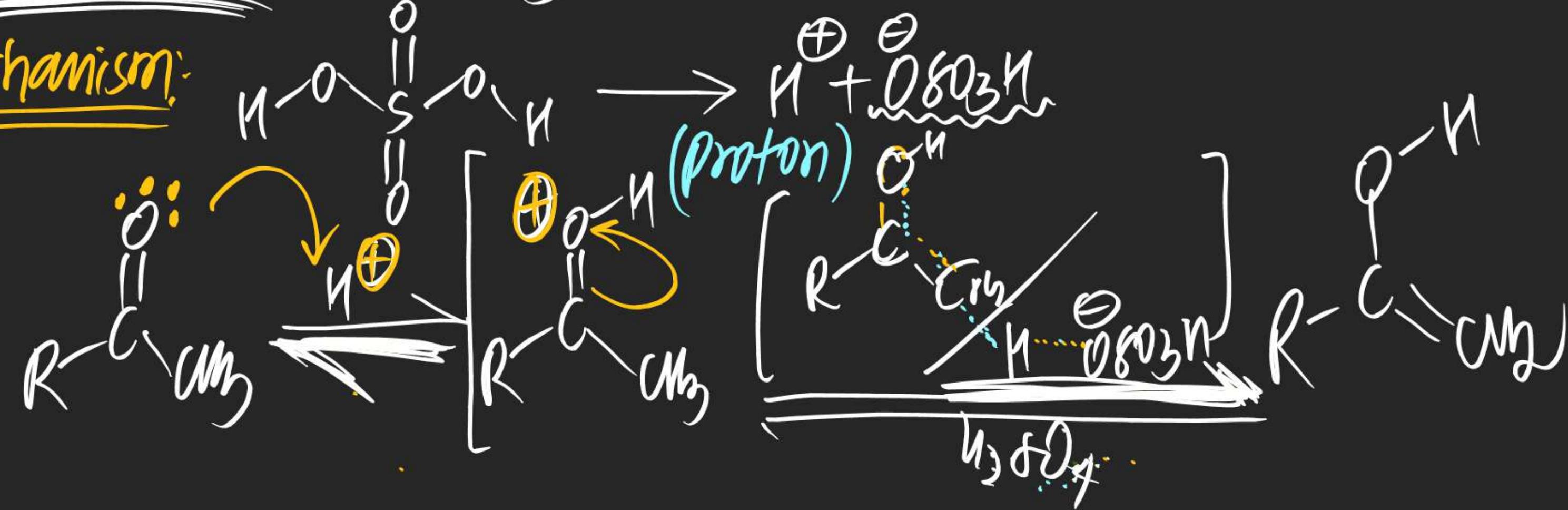
$\text{BF}_3 \cdot \text{OEt}_2$

In Acidic medium:

(Keto to Enol)



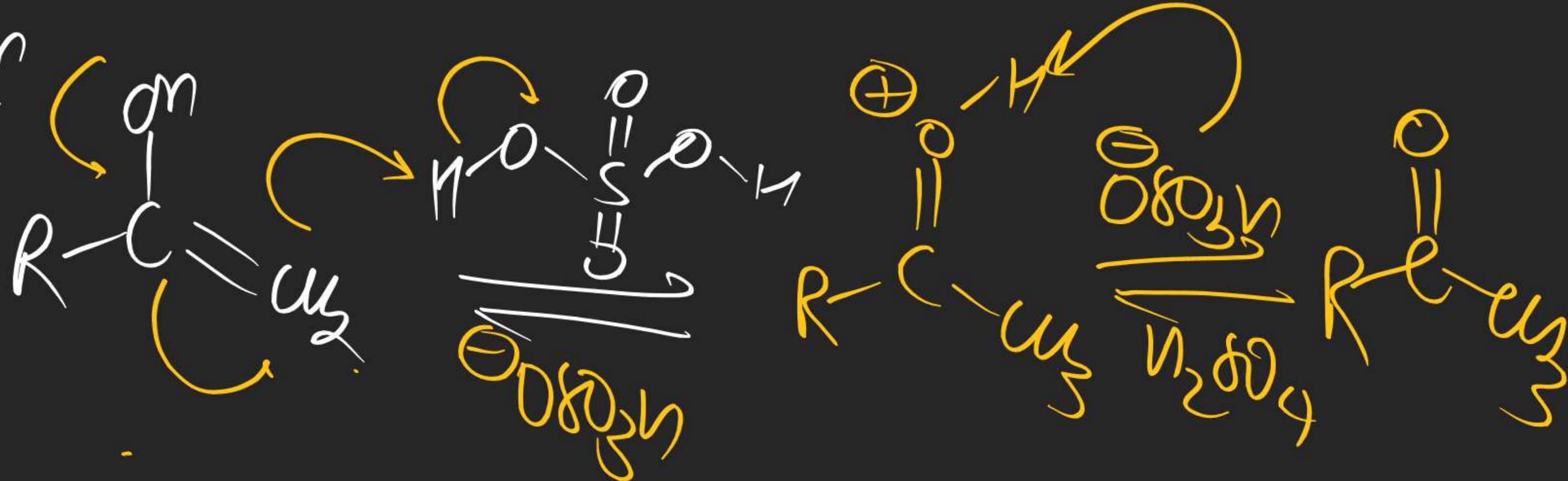
Mechanism:



Enol to keto in Acidic medium



Mech:



Basic medium

Isomerism Preference Order

Ring chain > Tautomers > functional isomers
> metamer > Position > Chain