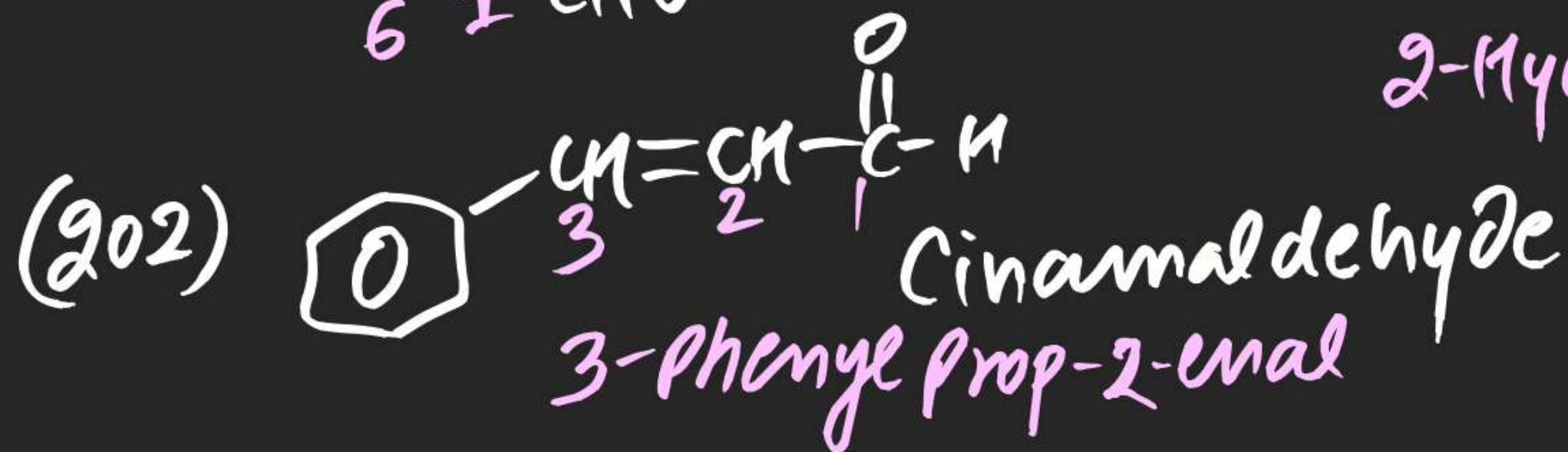
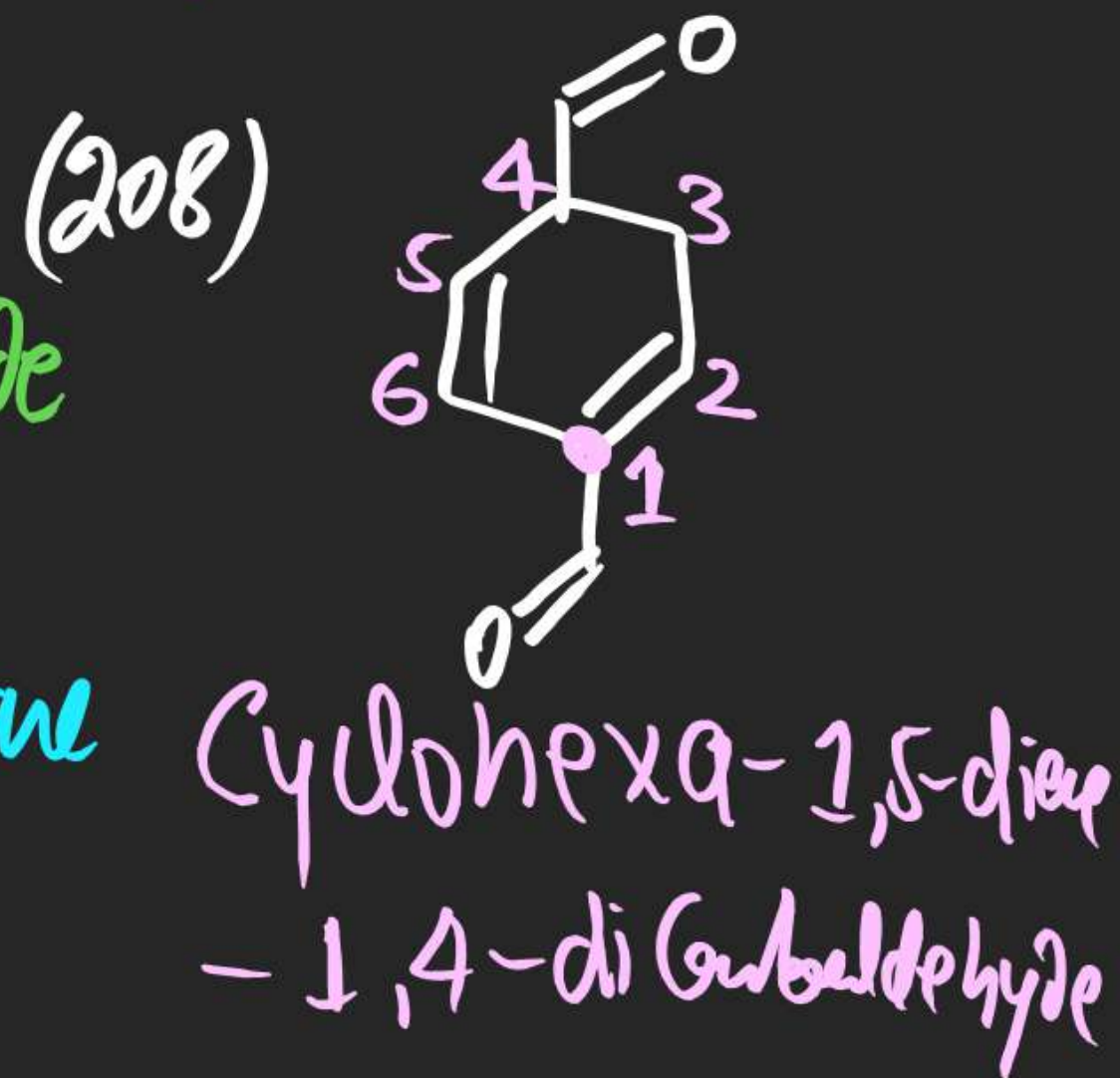
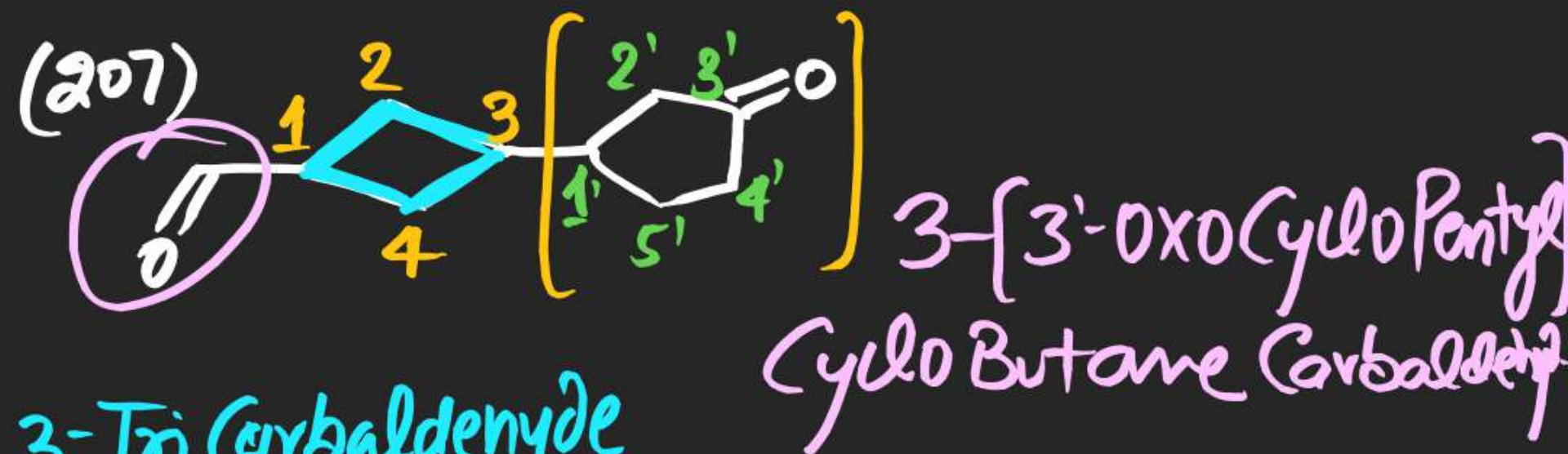
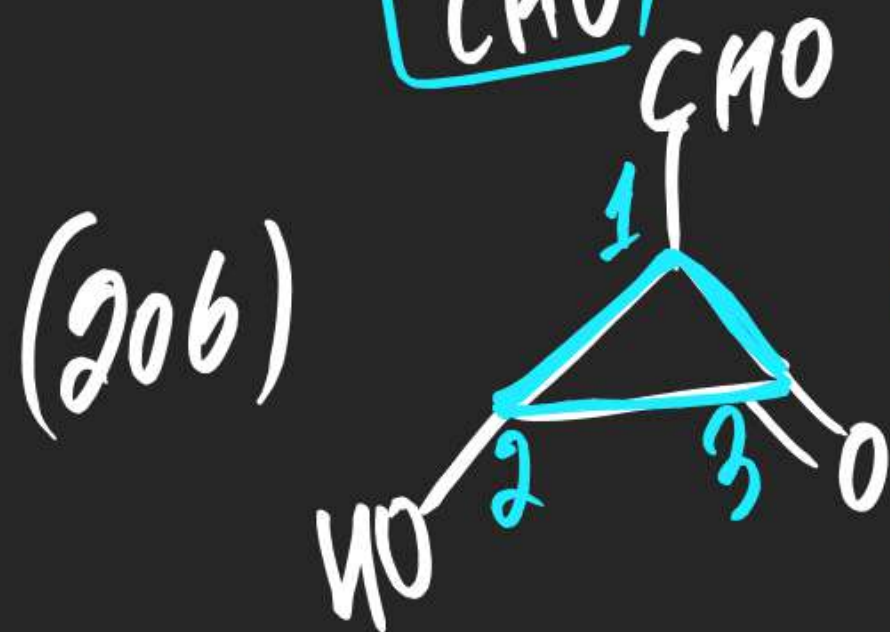
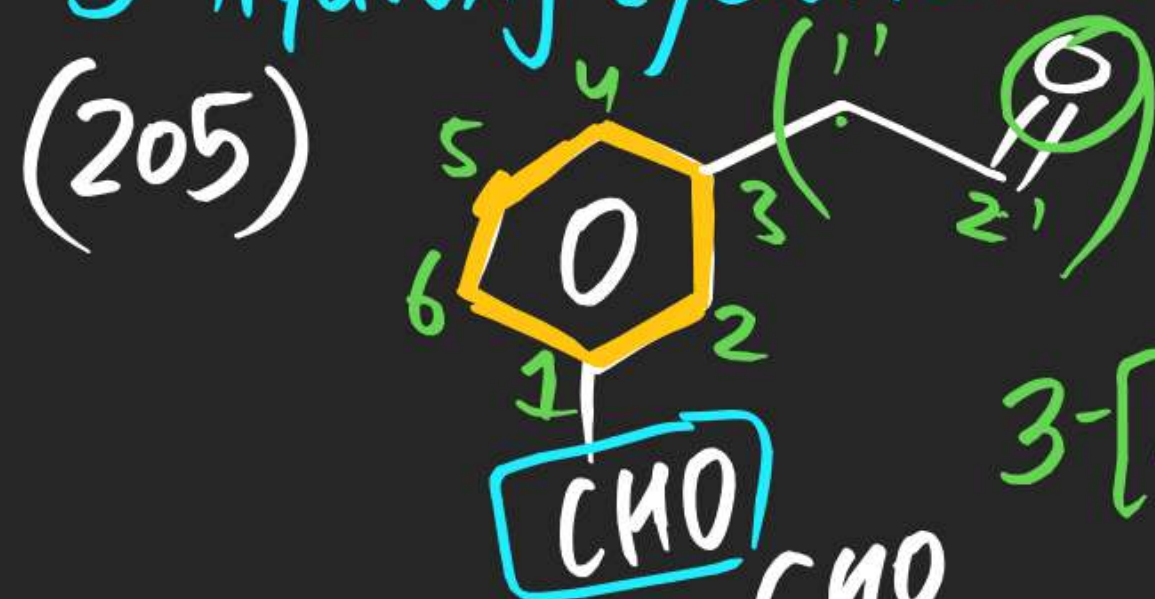
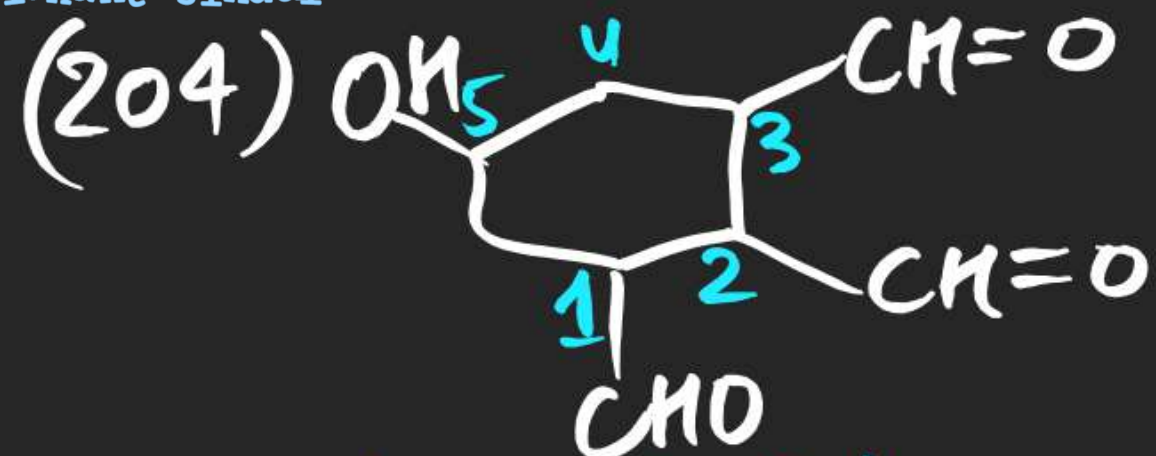


2-Hydroxy Benzaldehyde

2-Hydroxy Benzene Carbaldehyde







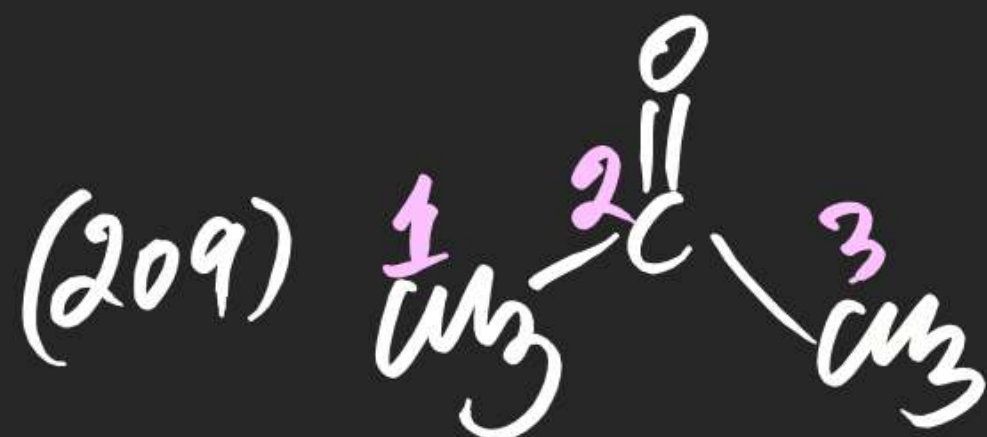


# (#) Ketone!



Prefix  
oxo

Suffix  
one



Acetone propanone / 2-Propanone / propan-2-one



Butanone / 2-Butanone / Butan-2-one



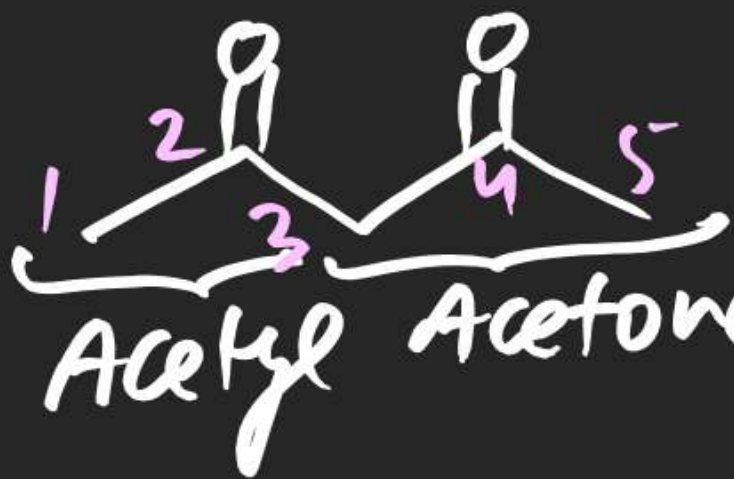
~~pentanone / 2-Pentanone / Pentan-2-one~~



3-pentanone



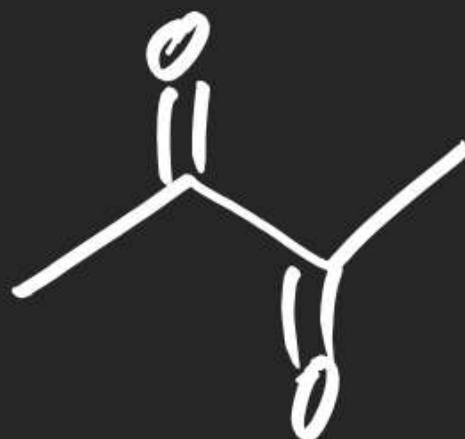
(213)



Acetyl Acetone

Pentam-2,4-dione

(214)



Buten-2,3-dione

(215)



Quinone

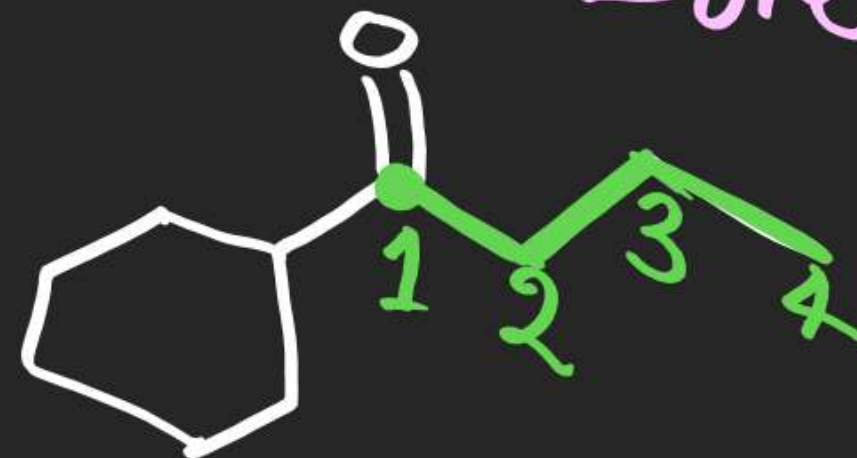
Cyclohexa-2,5-dien-1,4-dione

(216)



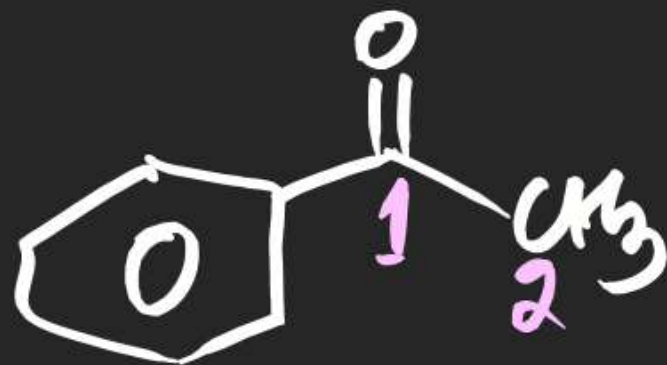
1-Cyclohexyl Propan-2-one

(217)



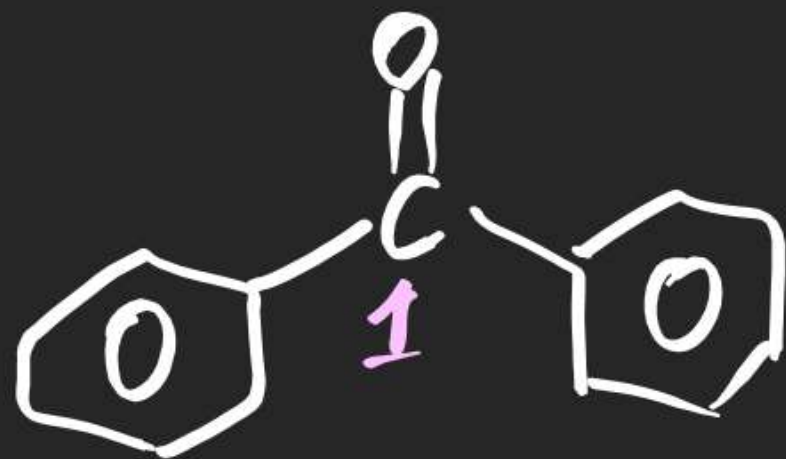
1-Cyclohexyl 1-Butanone

(218)



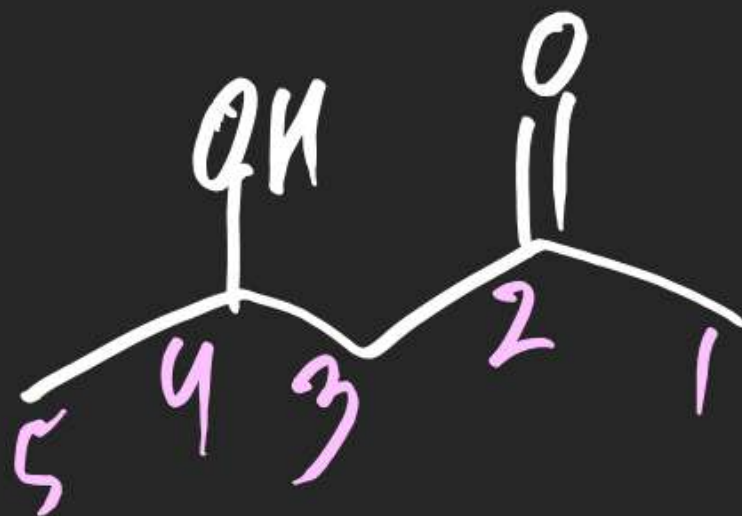
Acetophenone  
1-Phenyl Ethanone

(219)



Benzophenone  
1,1-Diphenyl methanone

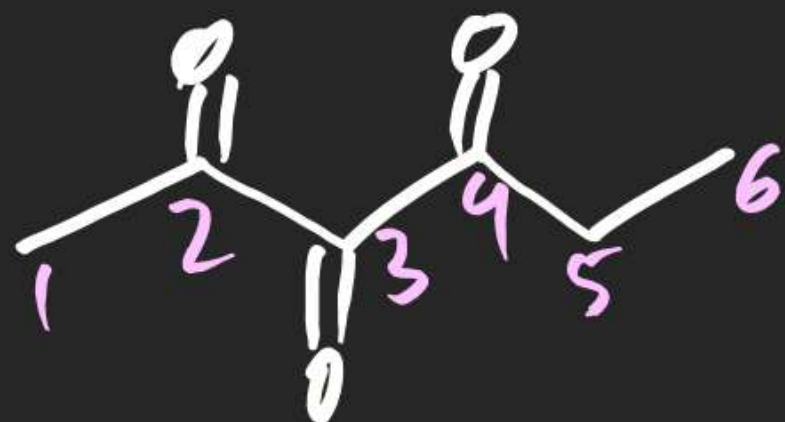
(220)



4-Hydroxy pentan-2-one

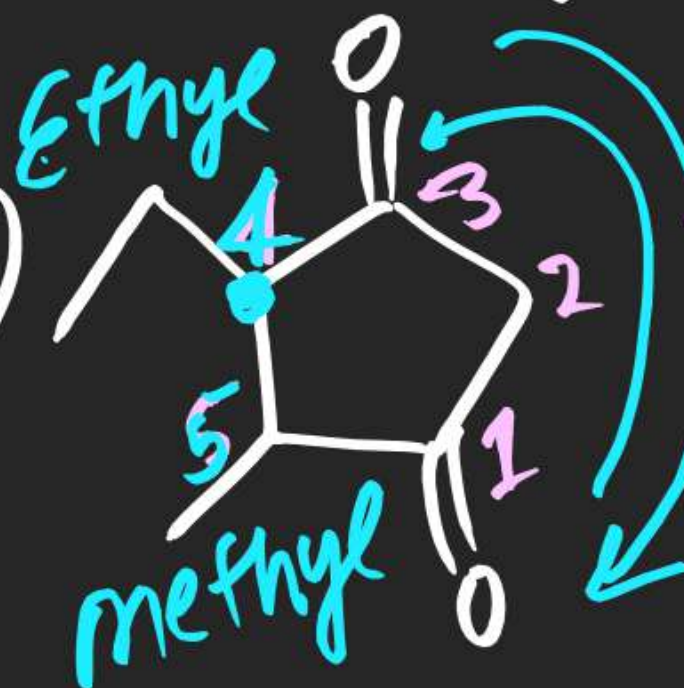


(221)



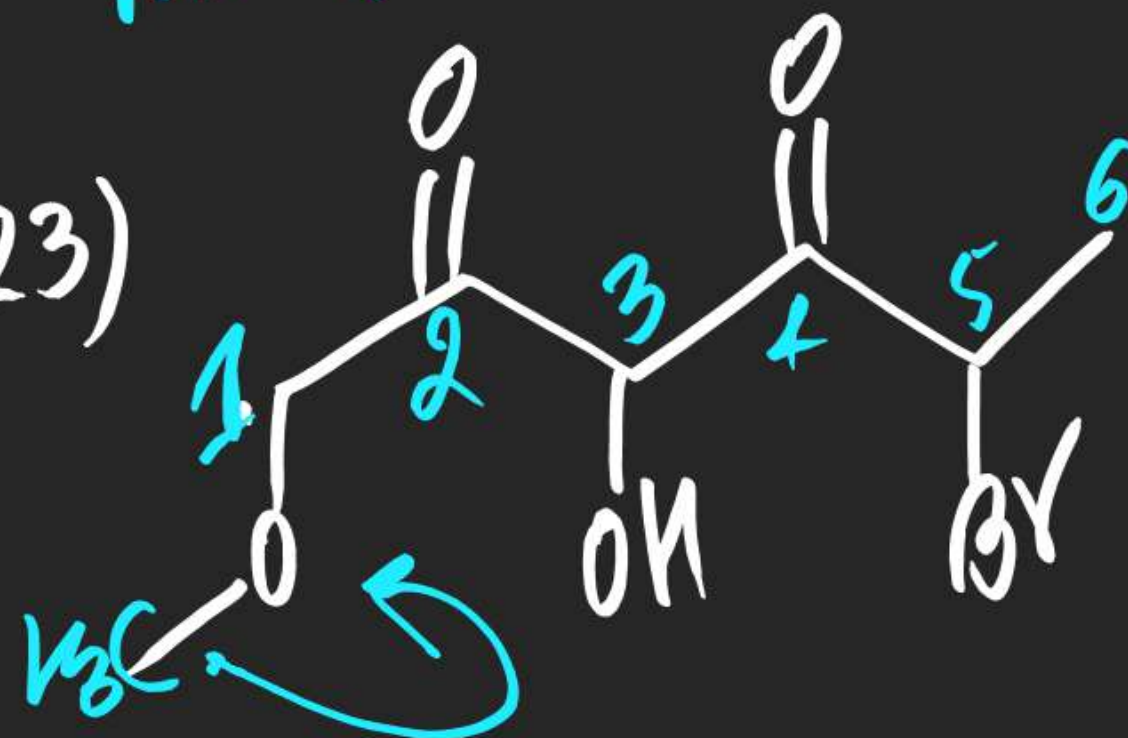
Hexam-2,3,4-trione

(222)



4-ethyl-5-methylcyclopentan-1,3-dione

(223)



5-bromo-3-hydroxy-1-methoxy  
hexam-2,4-dione

# (#) Alcohol

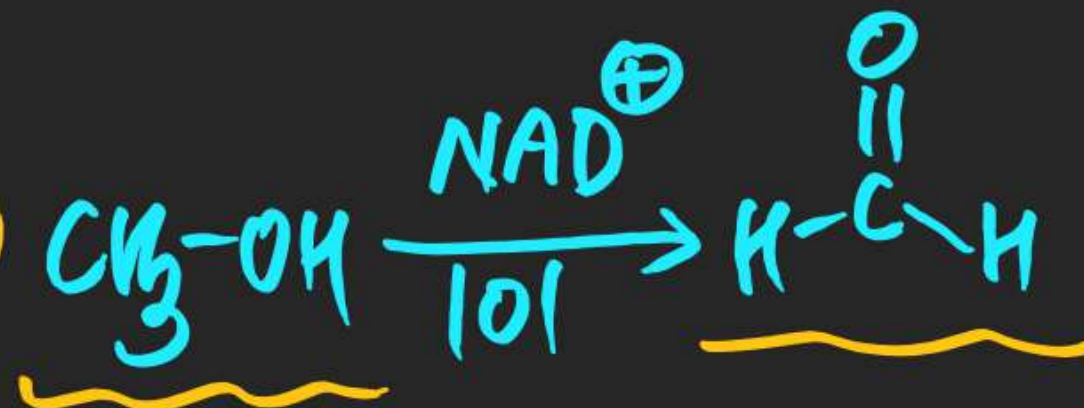
-OH

Prefix  
HydroxySuffix  
ol

methanol

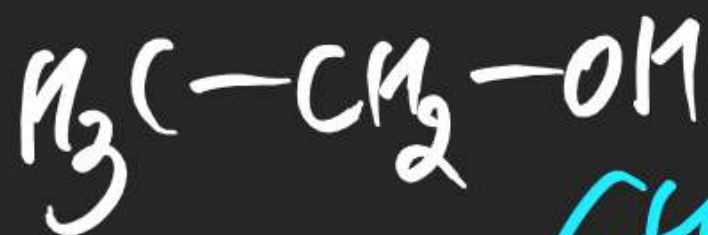
methyl Alcohol

⊗



formalin

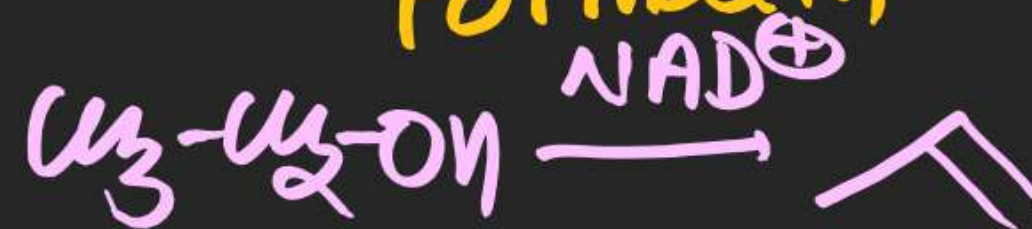
(225)



Ethanol

Ethyl Alcohol

⊗

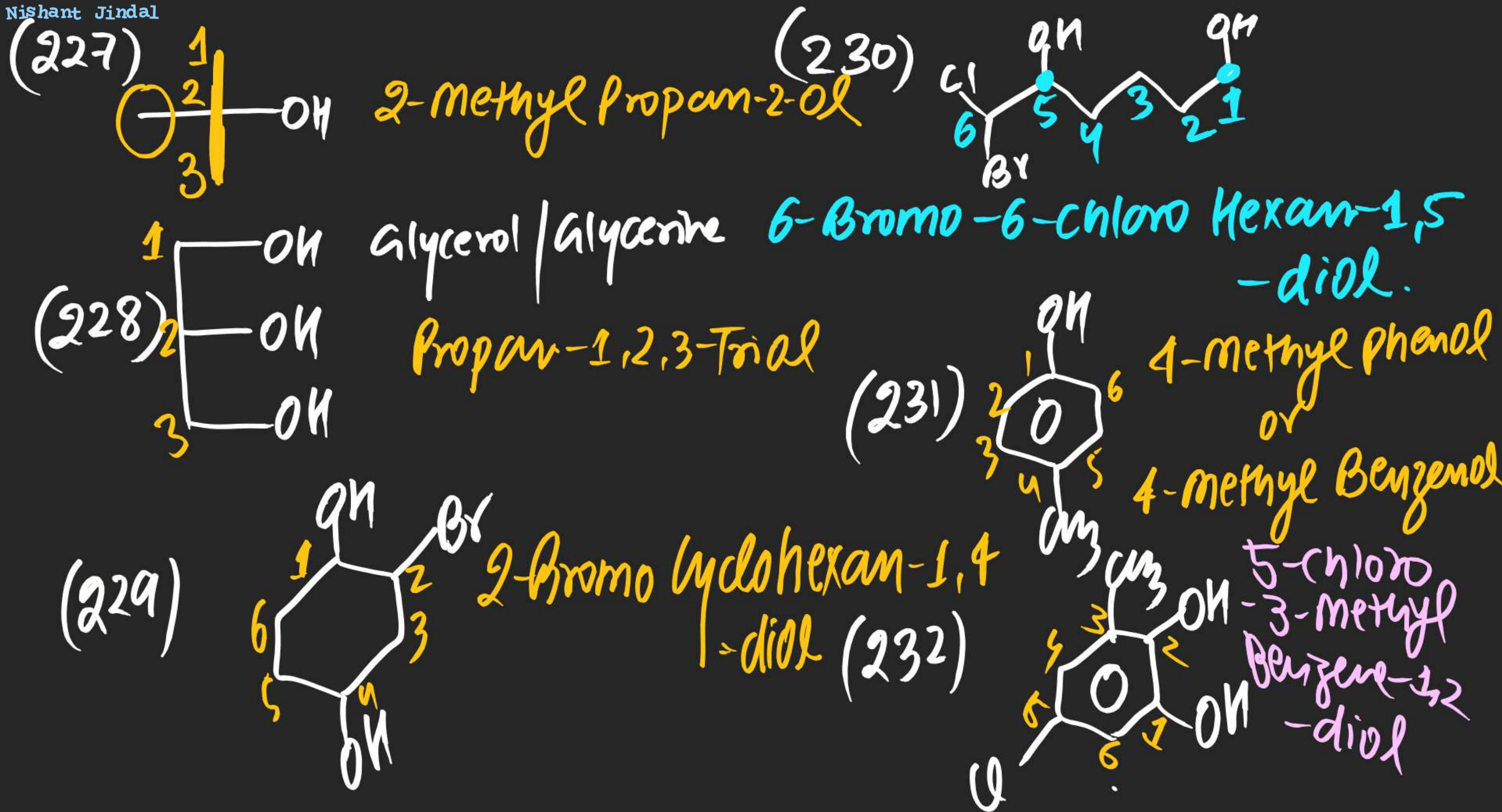


(226)



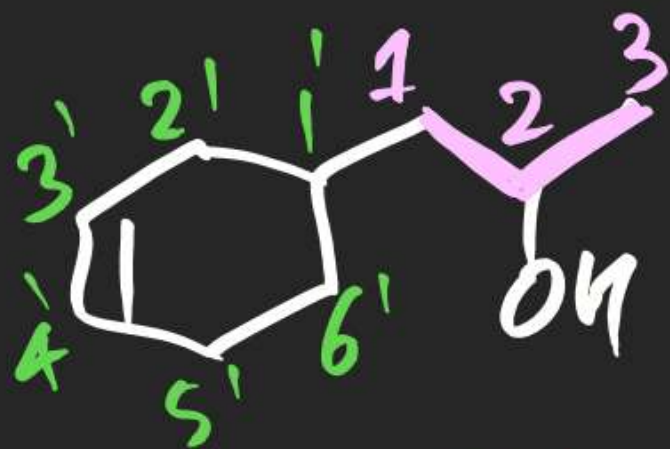
1-propanol





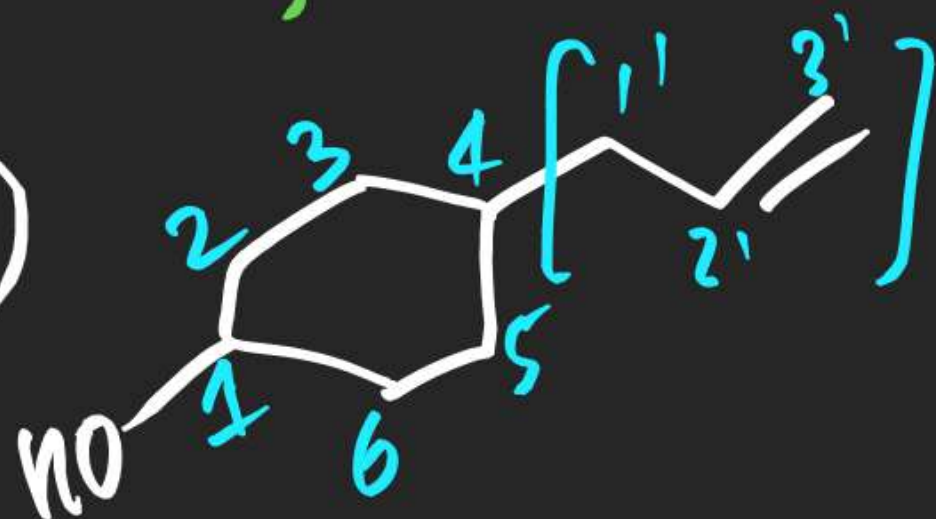


(233)



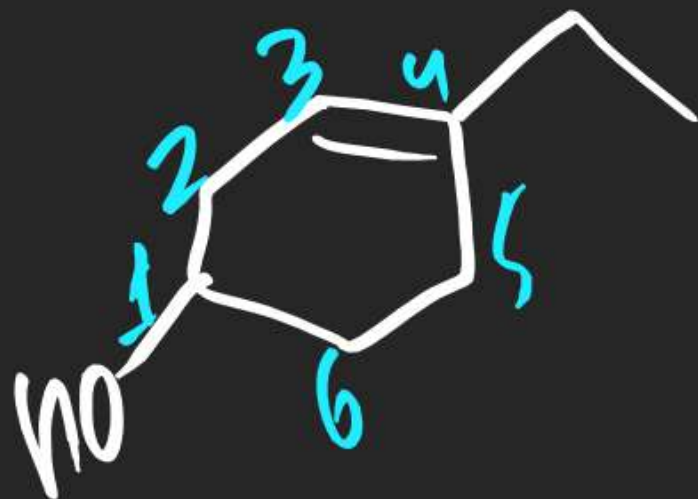
1-[(cyclohex-3-en-1-yl)prop-2-yn-1-yl]ethan-1-ol

(234)



4-[(prop-2-en-1-yl)cyclohexyl]methanol

(235)



4-ethylcyclohex-3-en-1-ol



# (#) Amines:-



[side chain]

Prefix  
Amino

Suffix  
Amine

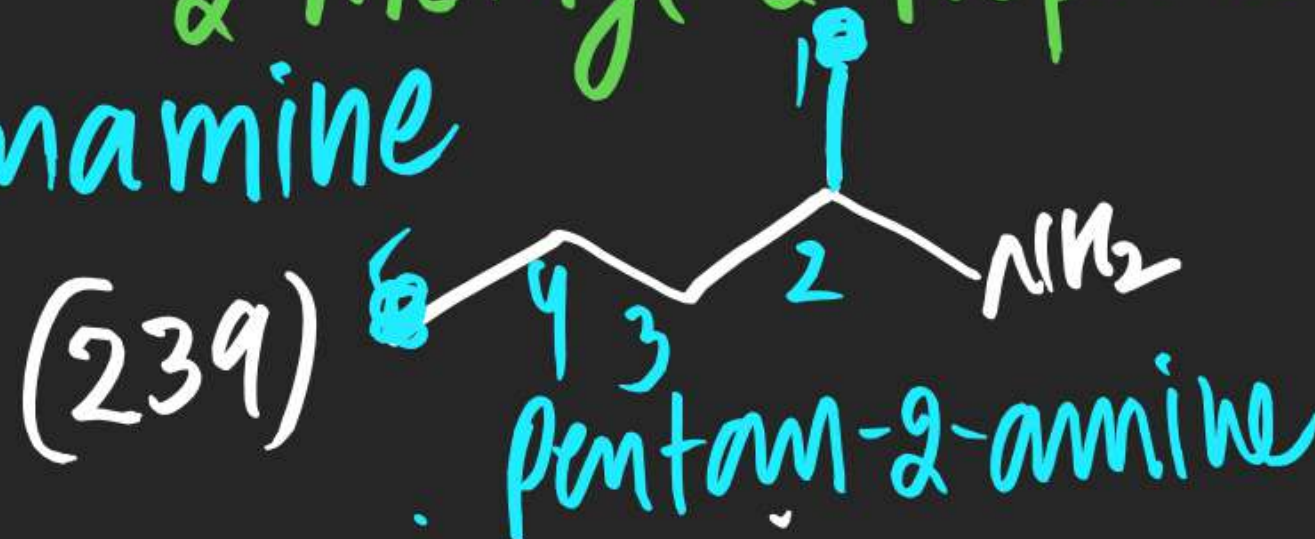
Propan-1-amine



2-methyl-2-propanamine



Ethanamine



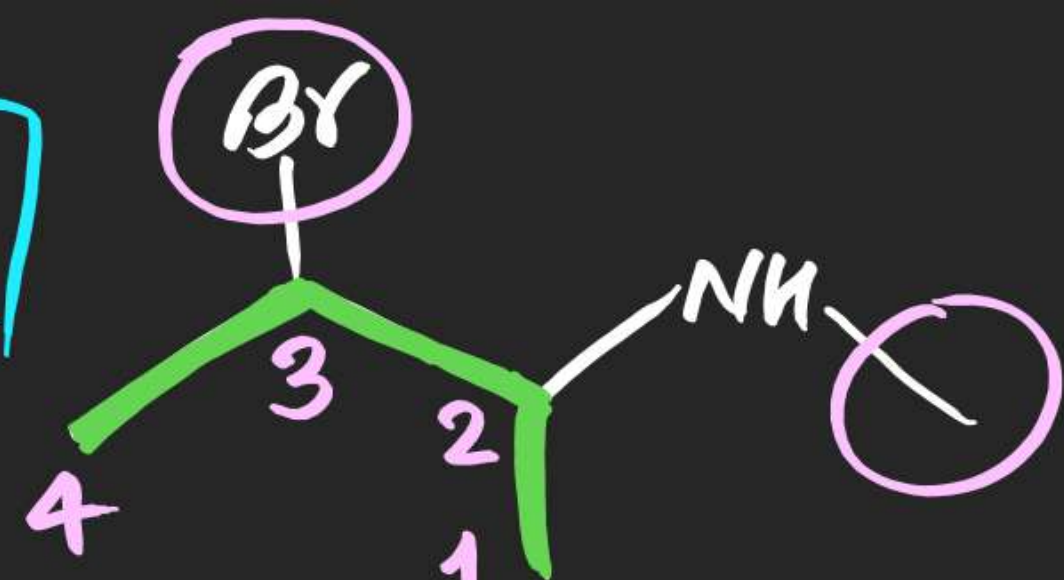
Pentan-2-amine



(240)



(243)



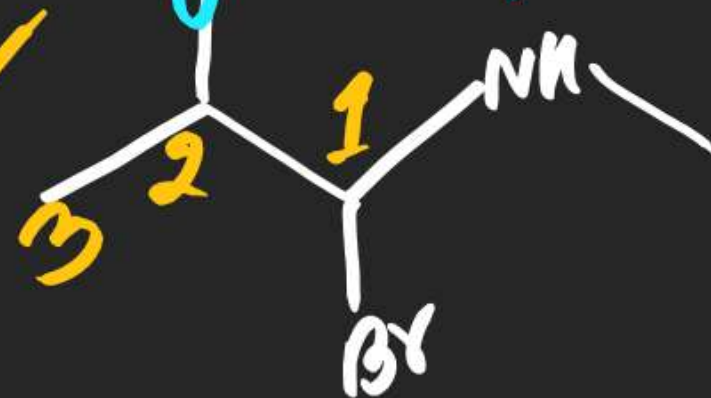
3-bromo-N-methyl-2-butamine

(241) ✓



N-methylpropan-1-amine

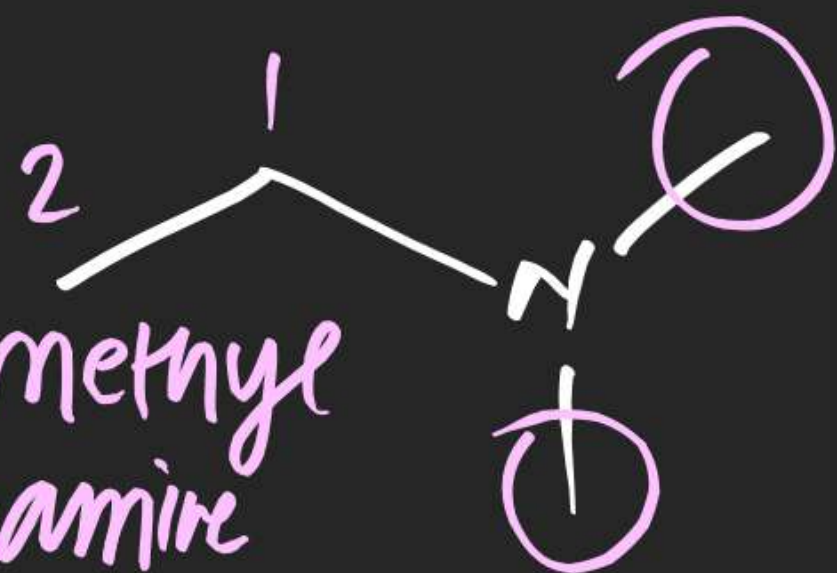
(242) ✓



1-bromo-(N,2)dimethylpropan-1-amine

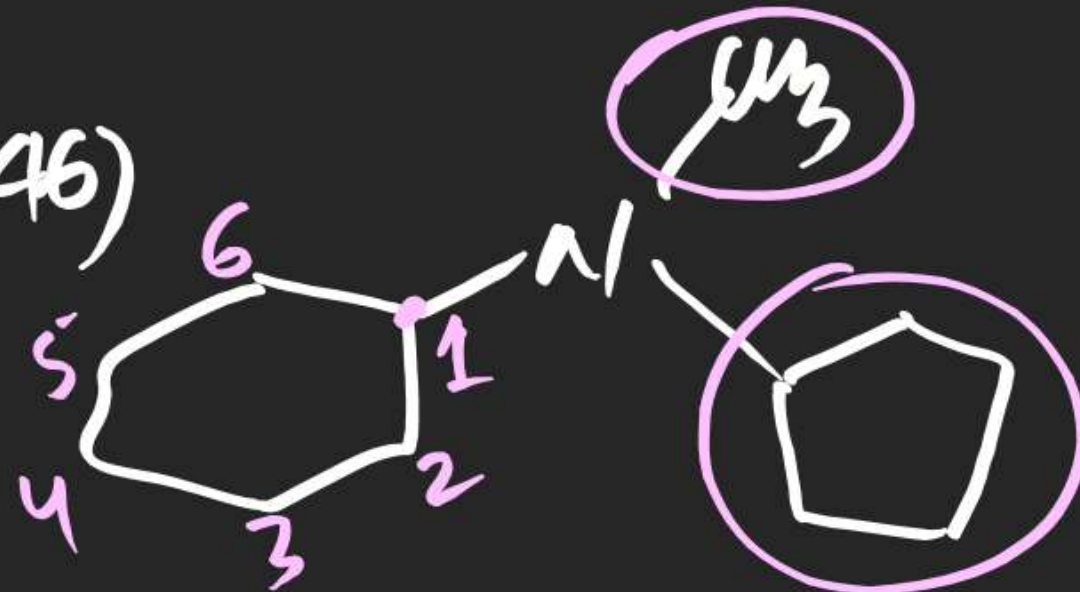


(244)



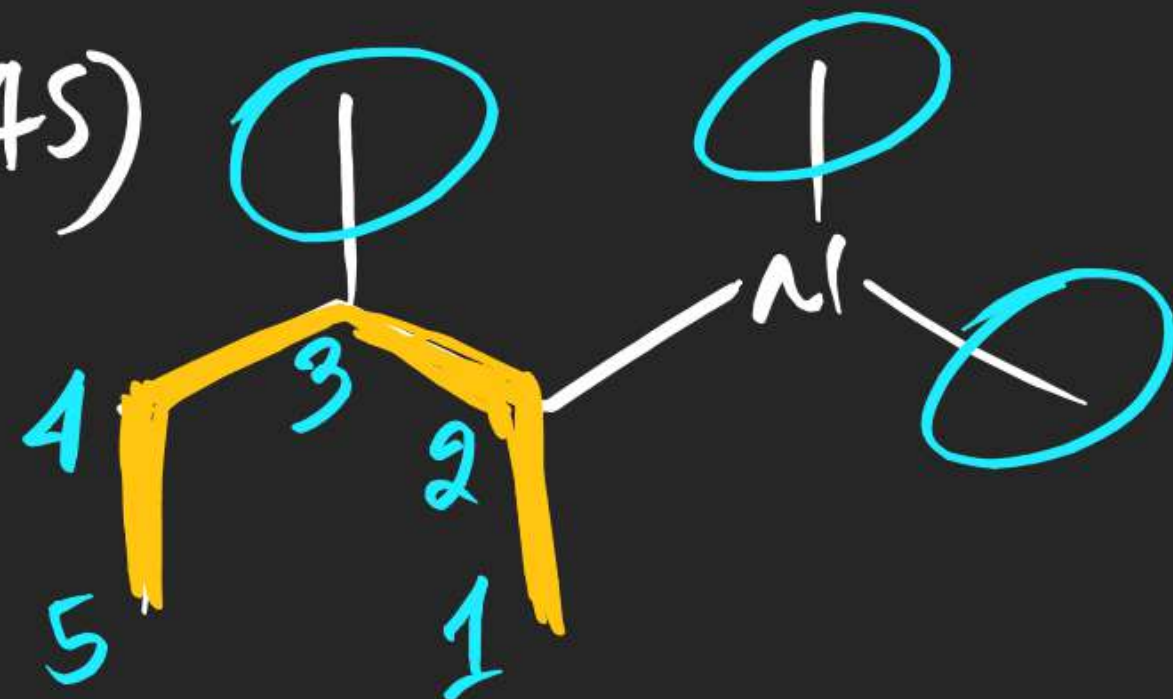
N,N-Dimethylethanamine

(246)



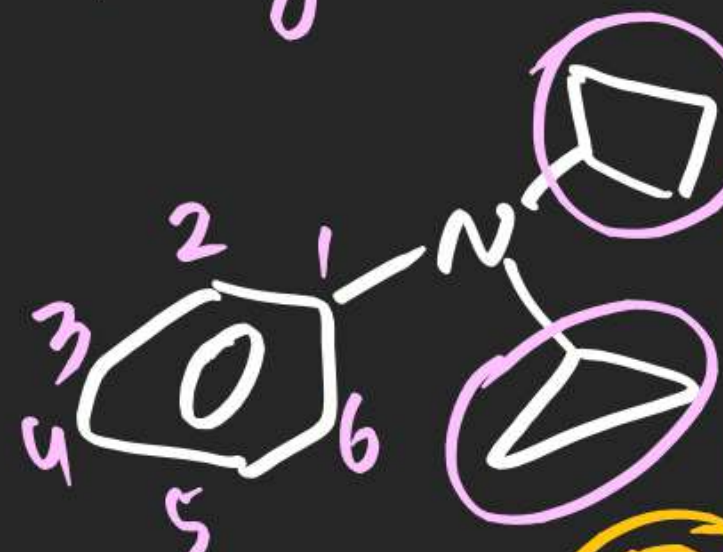
N-cyclopentyl-N-methylcyclohexanamine

(245)



(N,N,3)-Trimethyl-2-pentanamine

(247)



N-cyclobutyl-N-cyclopropylbenzenamine

(248)





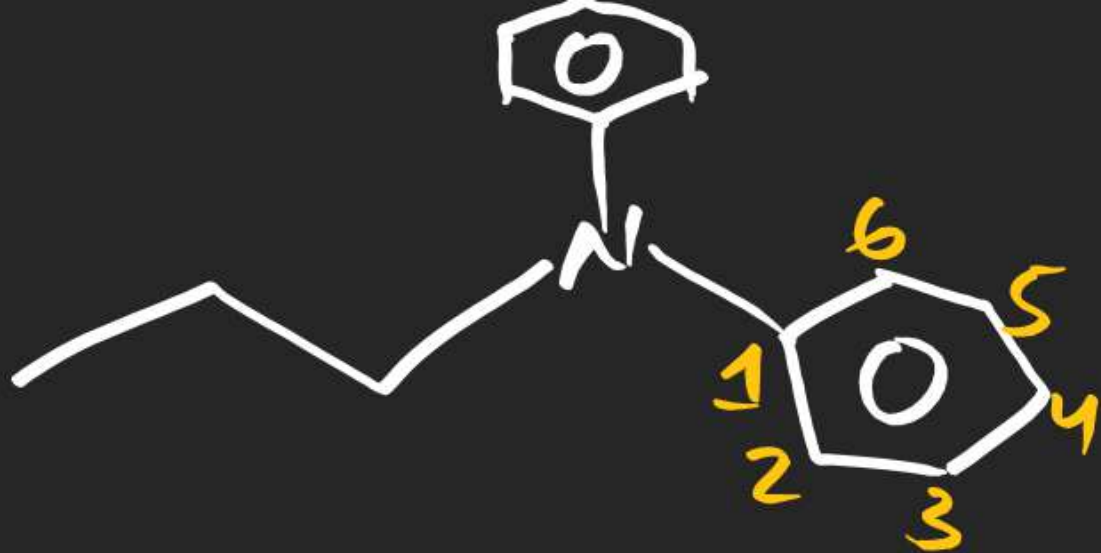
N-methyl-N-(1-methylethyl) Butan-2-amine

or

N-isopropyl-N-methyl-2-Butanamine



(249)



Complete  
Sheet

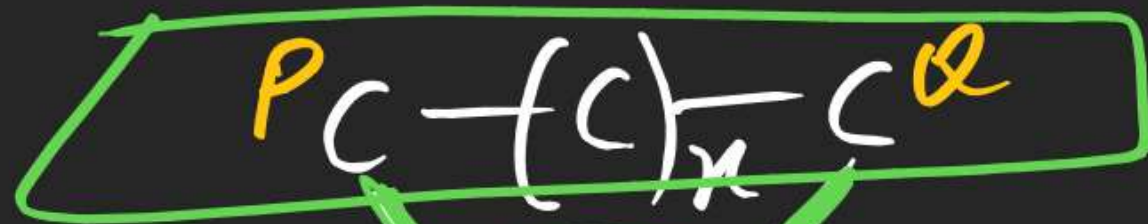
N-Phenyl-N-Propyl Benzenamine

(250)



N,N-Diethyl  
Ethanamine



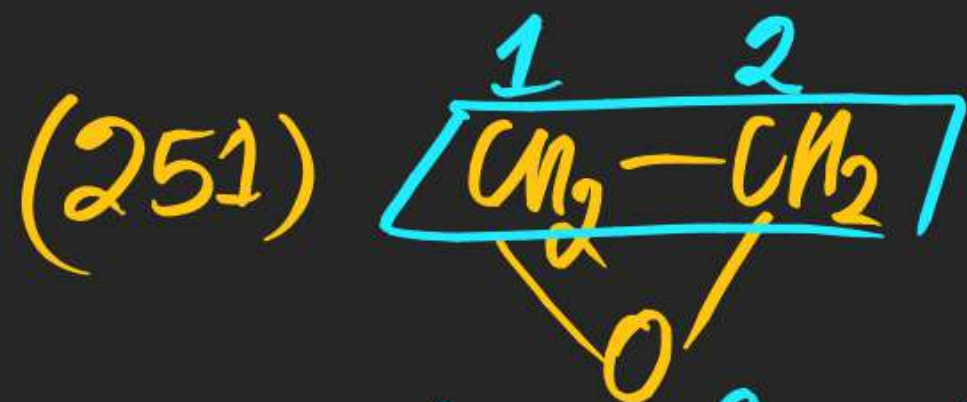


## Principal chain

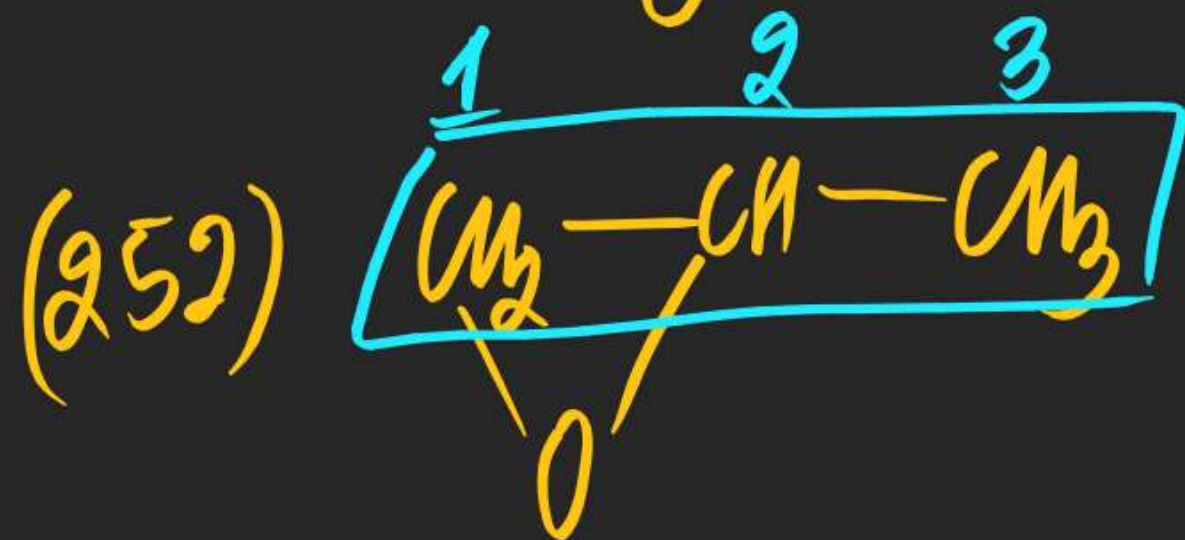


⇒ side chain

$(P, Q)$  Epoxy (Prefix)



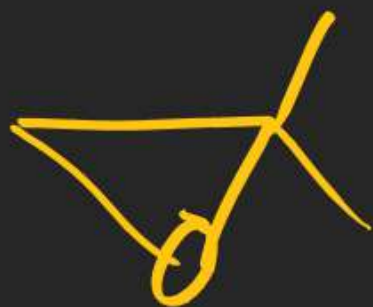
(1,2) Epoxy Ethane



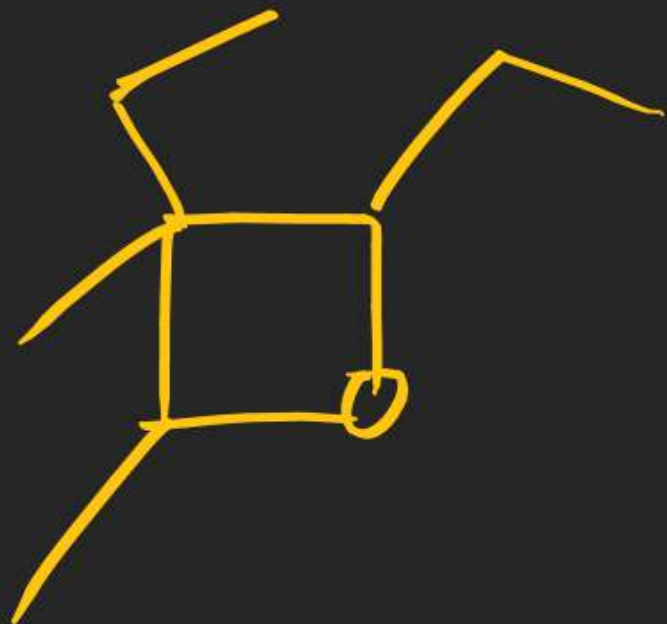
(1,2) Epoxy Propene



(253)



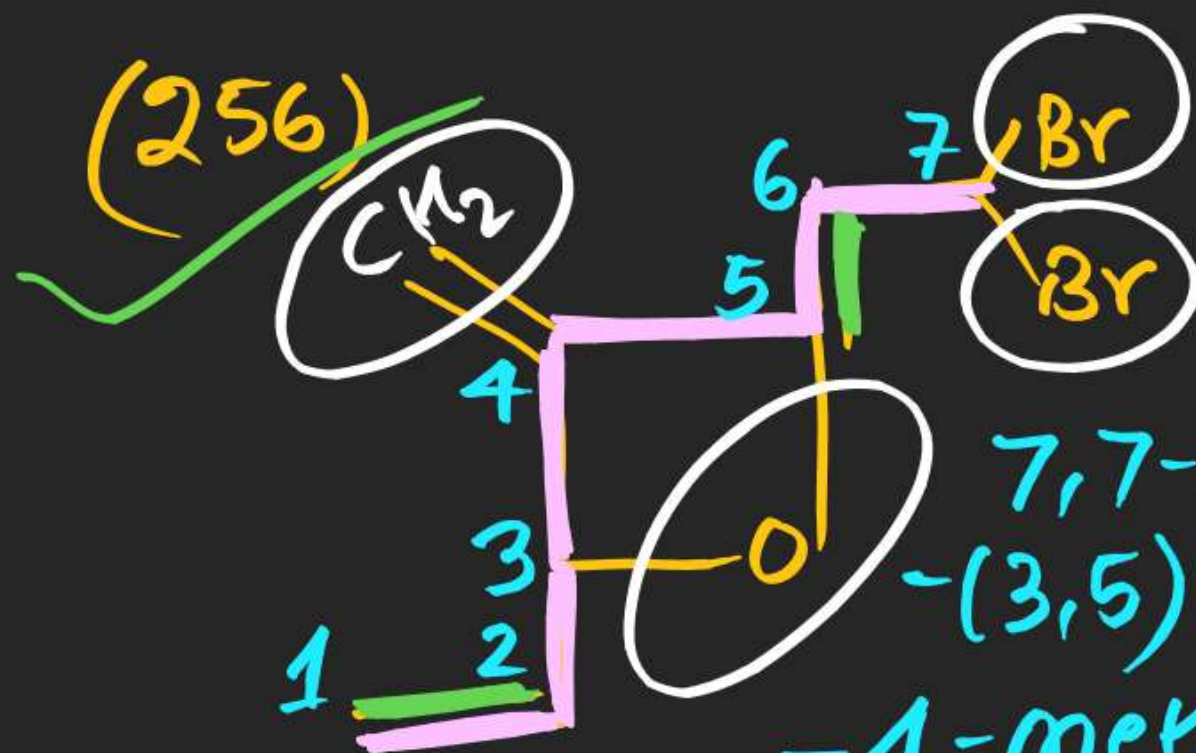
(254)



(255)



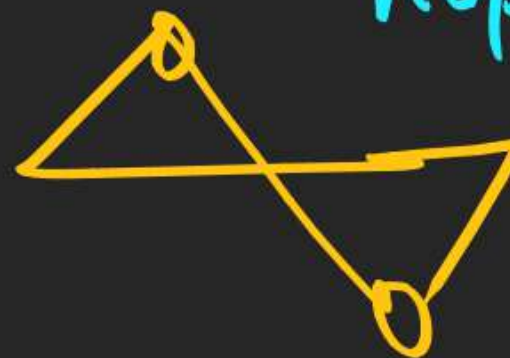
(256)



7,7-Dibromo  
-(3,5) Epoxy

-4-methylidene  
Hepta-1,5-diene

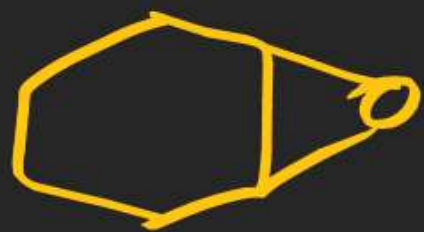
(257)



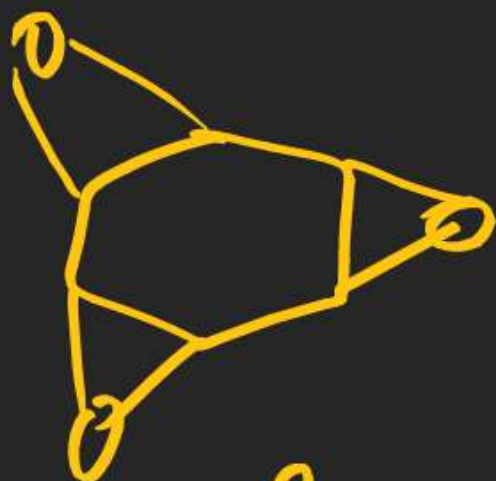
(258)



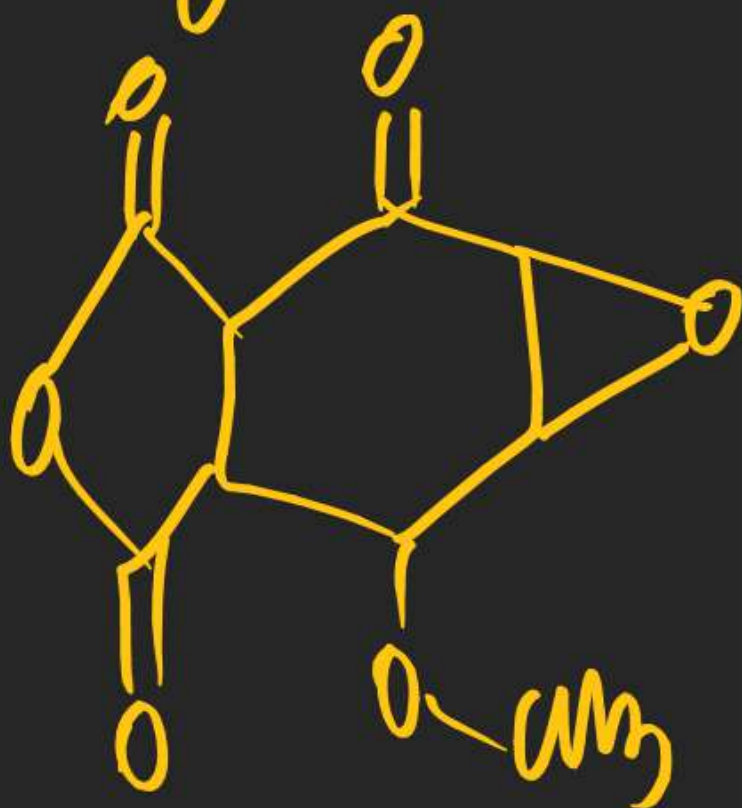




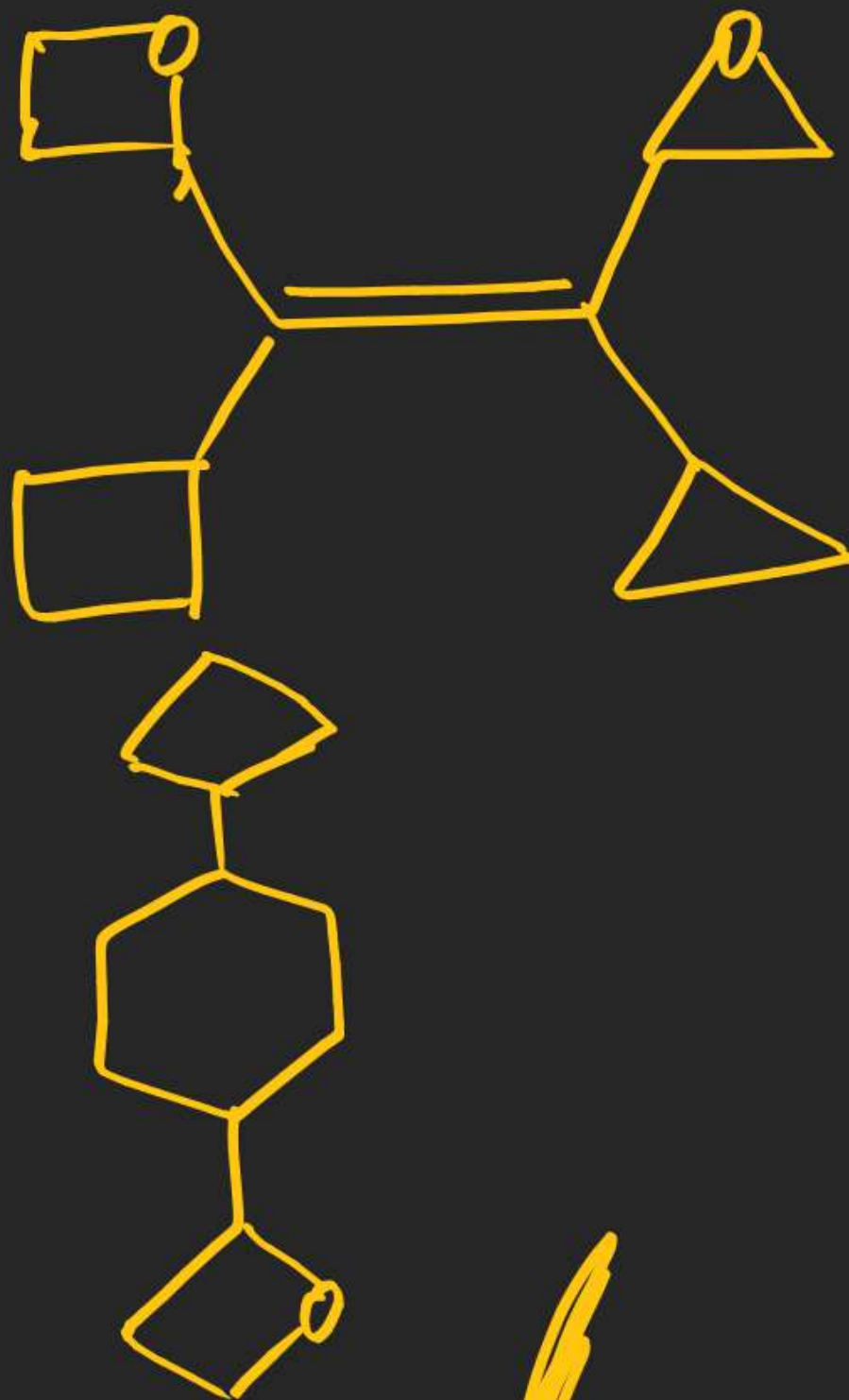
(262)



(260)



(261)



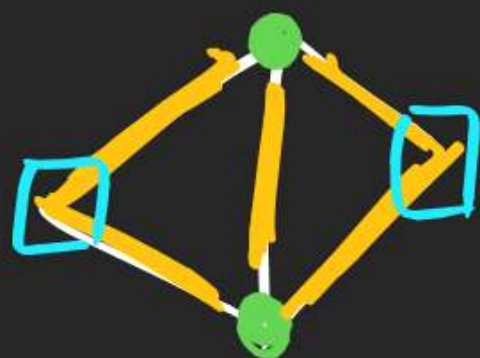
(263)



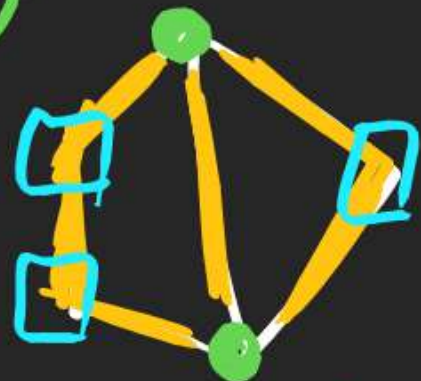
# (#) Naming of Bicyclo Compounds:

Bicyclic Compound: Two Rings having at least "2" atom  
Bridge head Common.

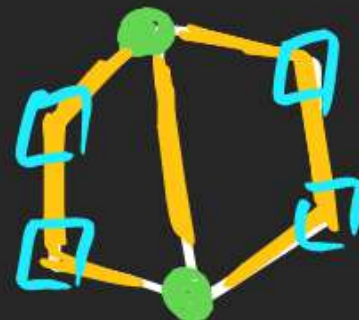
Ex



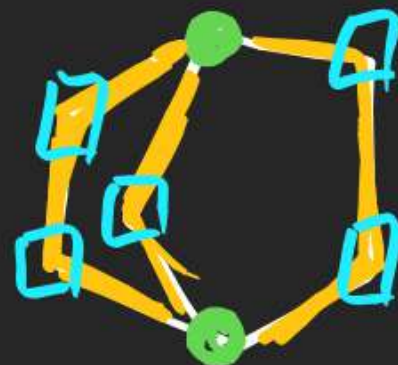
1 0 1



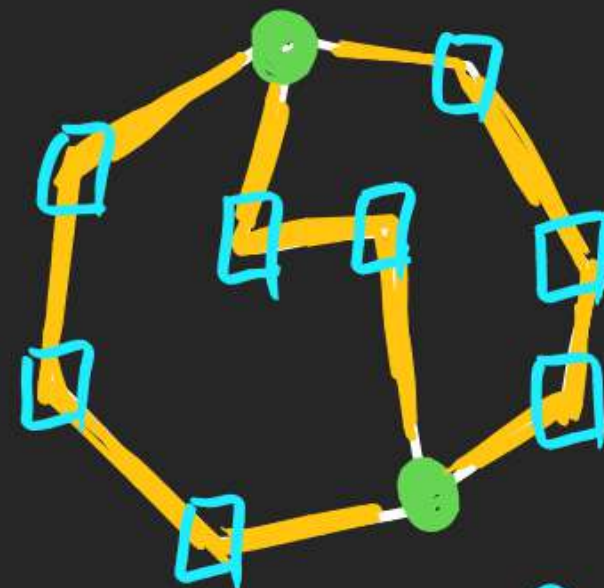
2 0 1



2 0 2



2 1 2



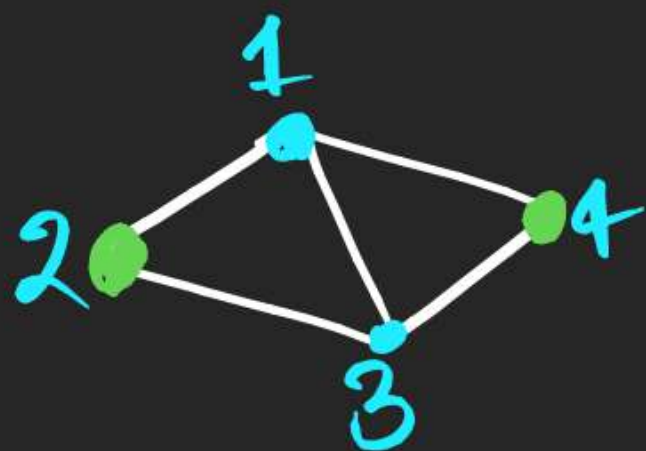
3 2 3

Rule-1: Numbering will always start from Bridge head

Rule-2: Numbering starts from B. head & then move towards longest → largest  
 → smaller

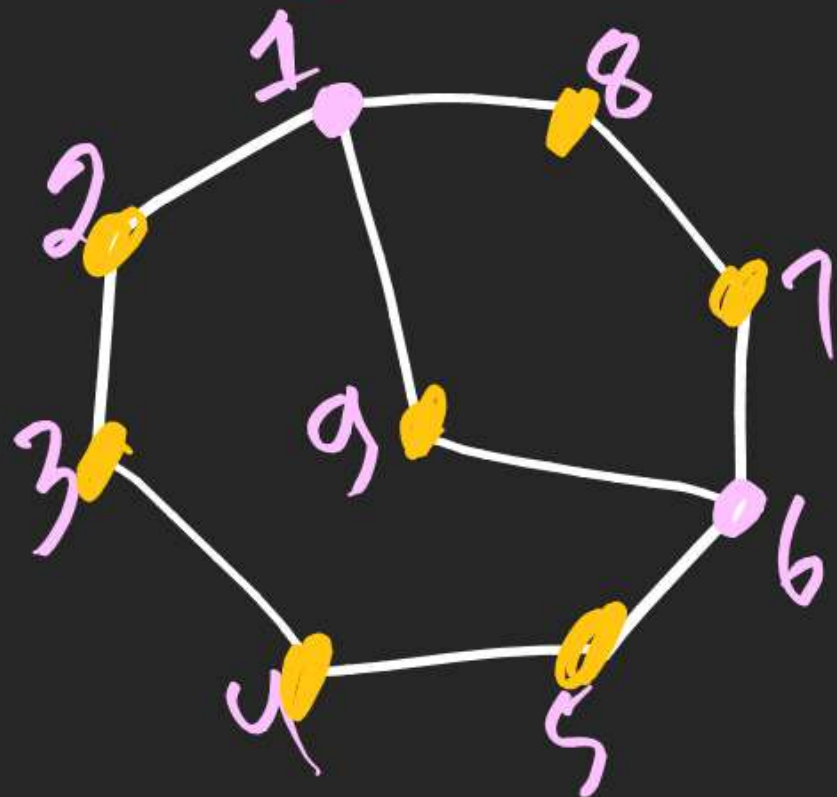


(264)



Bicyclo[1,1,0] Butane

(265)

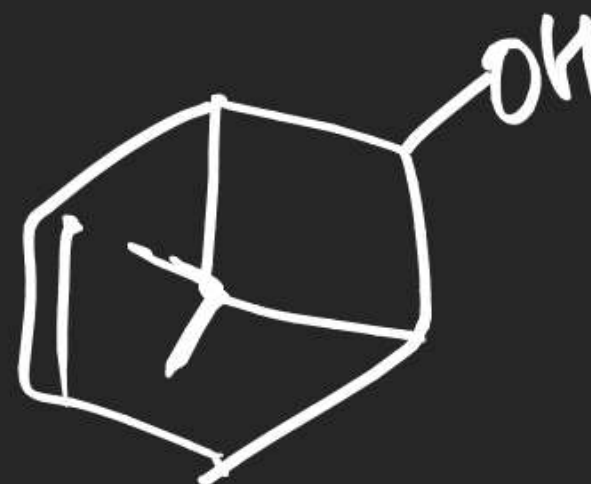


Bicyclo[4,2,1]  
Nonane

(267)



(268)



(266)

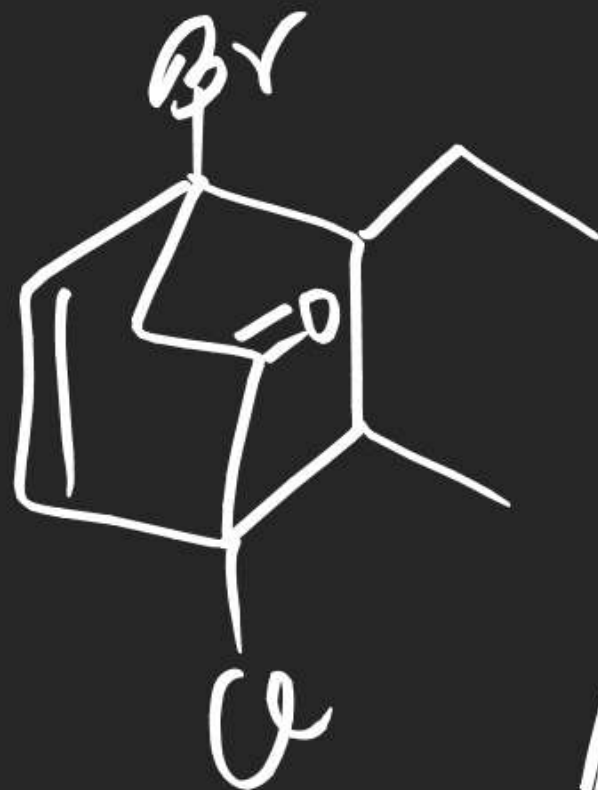




(269)



(270)



Blue Book  
last chapter

Ex-1 1-30 Questions:-