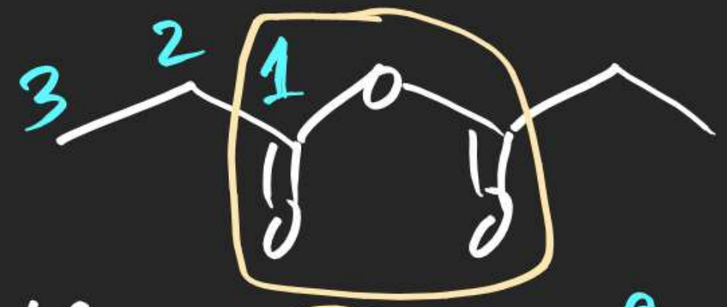
Nishant Jindal

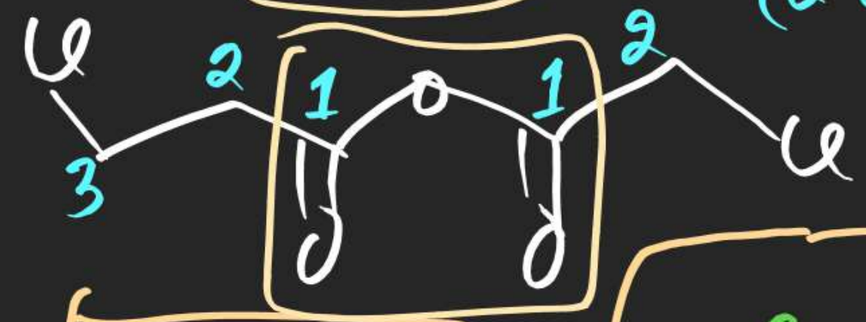
(116)



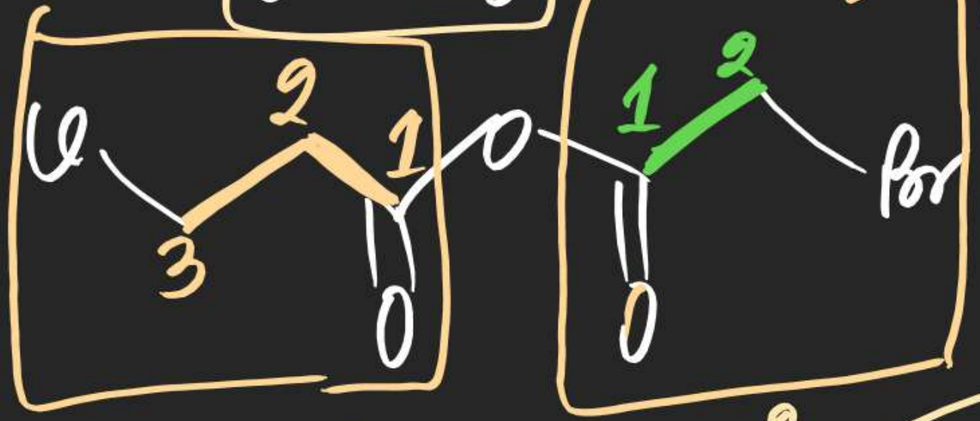
Propanoic anhydride

(2-chloro Ethanoic)(3-chloro propanoic) anhydride

(117)



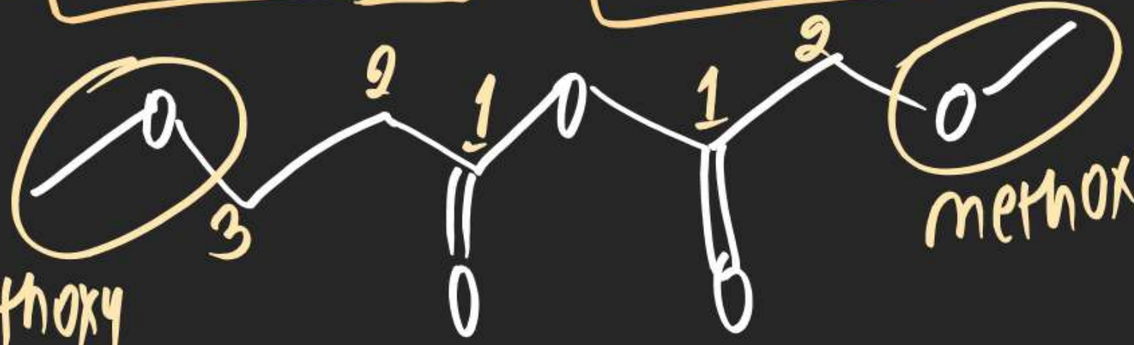
(118)



(2-Bromo Ethanoic)
(3-chloro Propanoic) anhydride

3-chloro

(119)



(2-methoxy Ethanoic)
(3-methoxy Propanoic)
anhydride

methoxy

methoxy

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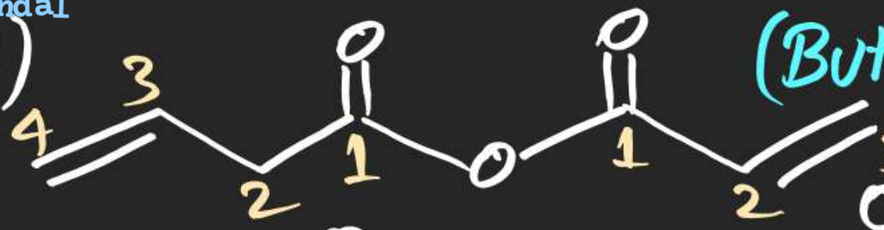
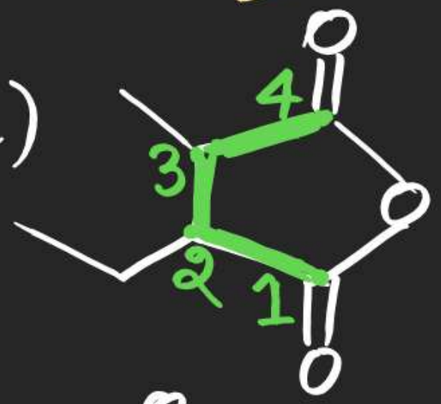
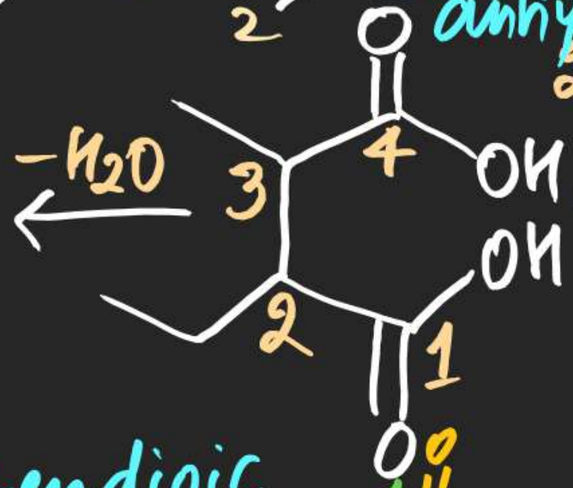
(120) 

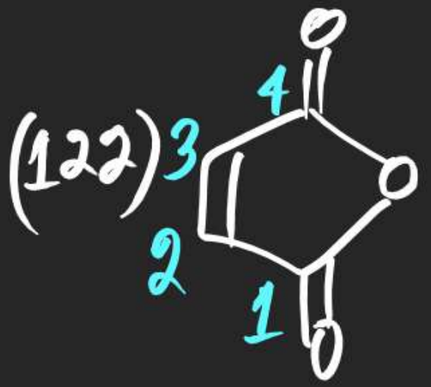
(But-3-enoic) (Prop-2-enoic) anhydride

(121) 

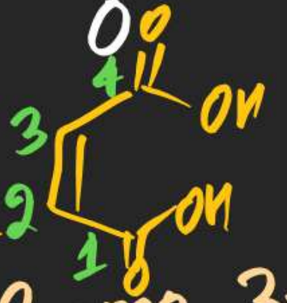
$-H_2O$



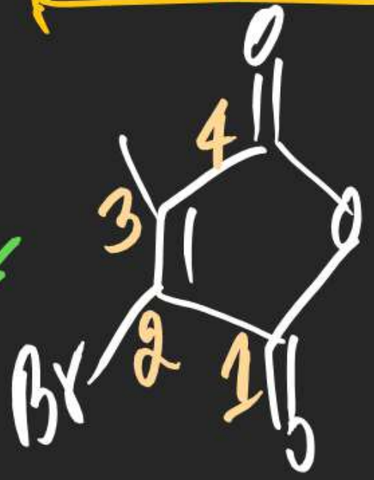
2-Ethyl-3-Methyl Butan-1,4-dioic anhydride

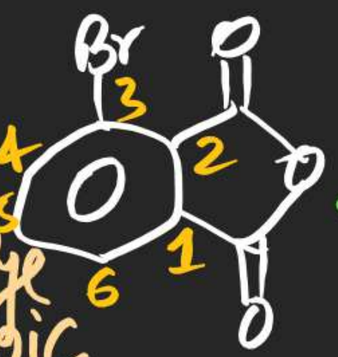
(122) 

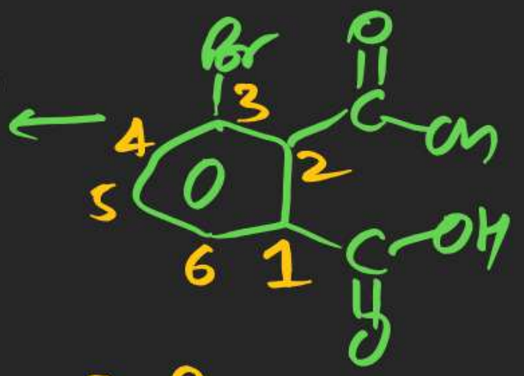
But-2-endioic anhydride



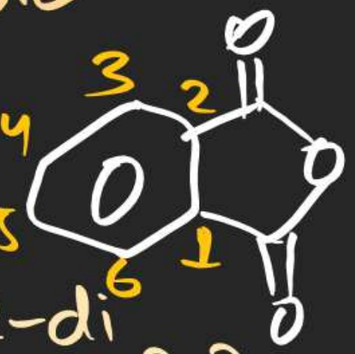
2-Bromo-3-methyl But-2-endioic anhydride

(123) 

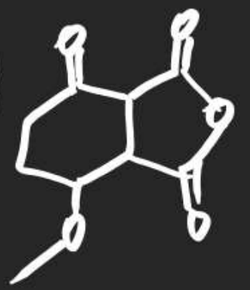
(124) 

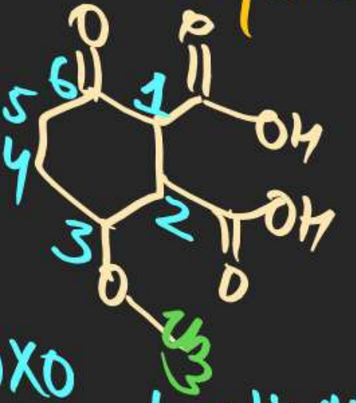


3-Bromo Benzene 1,2-Di Carboxylic anhydride

(125) 

Benzene-1,2-di Carboxylic anhydride

(126) 



3-methoxy-6-oxo Cyclohexane-1,2-di Carboxylic anhydride

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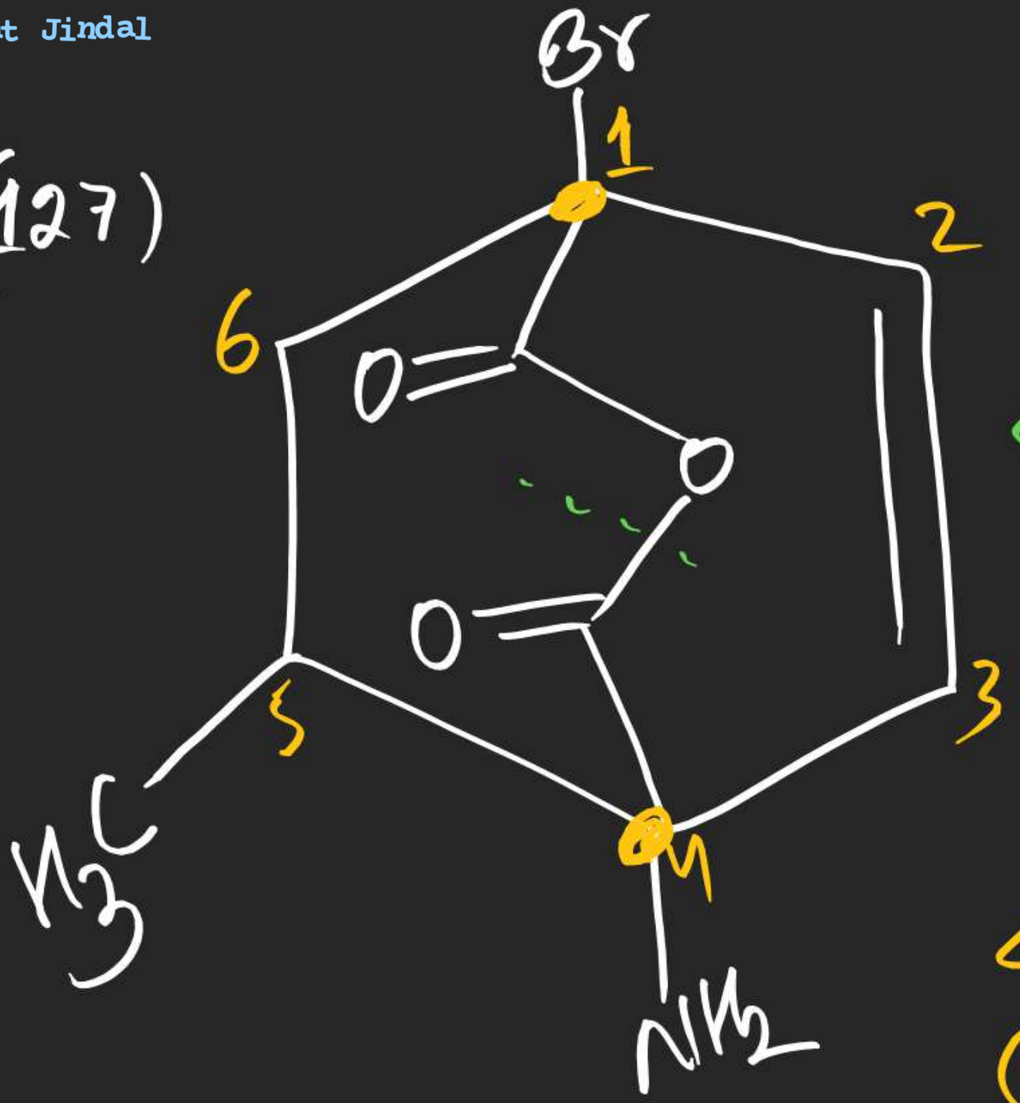
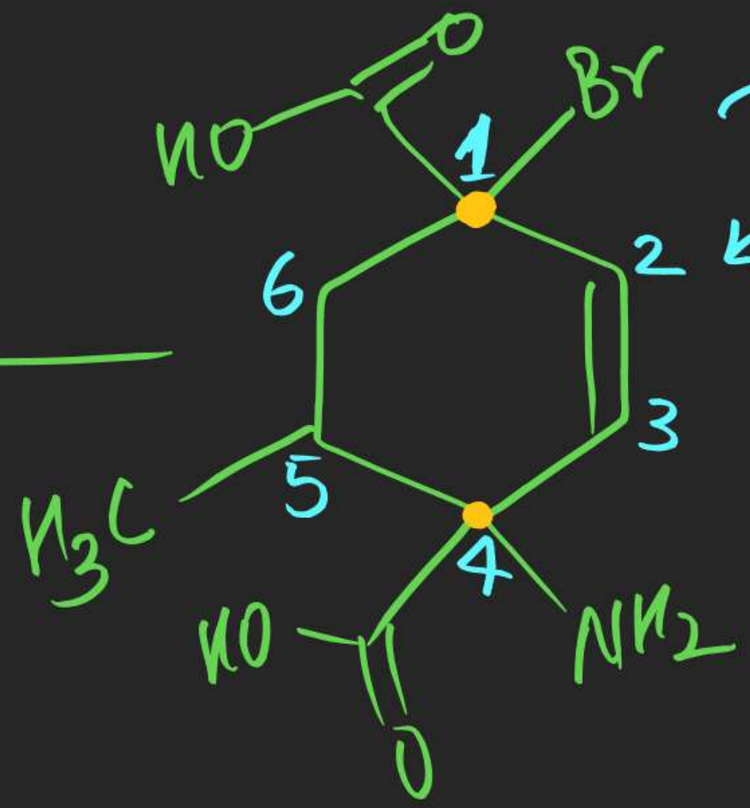
(127)





1,4,5 ✓

1,4,6 ✗

4-Amino-1-Bromo-5-methyl Cyclohex-2-ene-1,4-dicarboxylic anhydride

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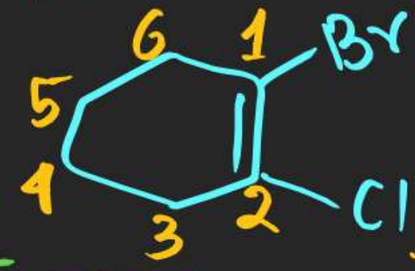
(130) P-Bromo-Q-Chloro Cyclohex-R-ene

(a) $(P+Q+R)_{min}$ = ? 4

(b) $(P+Q+R)_{max}$ = ? 10

Soln

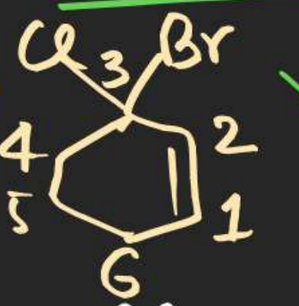
For minimum

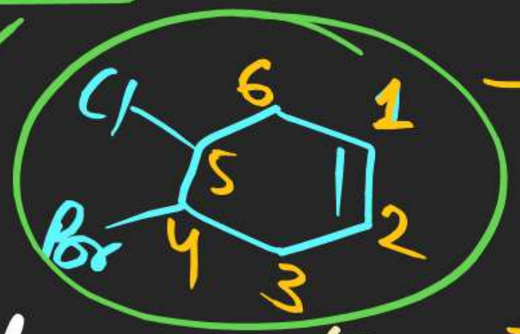


P=1
Q=2
R=1

4

For Maximum





P=4
Q=5
R=1

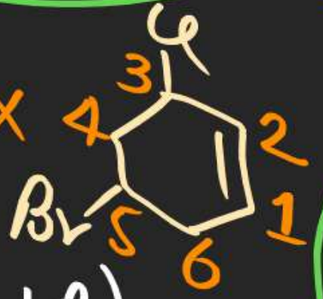
10

(131) Find all Compounds with IUPAC name

P-methyl-Q-chloro pent-R-yne

& also calculate $(P+Q+R)_{min}$ & $(P+Q+R)_{max}$

X



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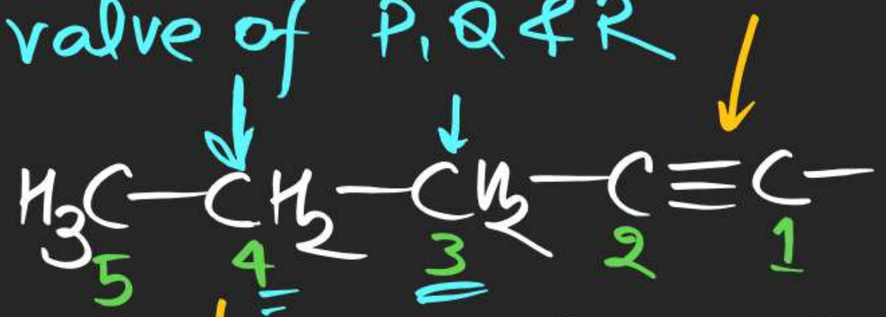
Soln (131) p-methyl-Q-chloro Pent-R-yne

min = 5
max = 11

HW Nomenclature!. Sheet

Ex-1 - (1-30)
Ex-2 - (1-20)

Soln for Pmin valve of P, Q & R



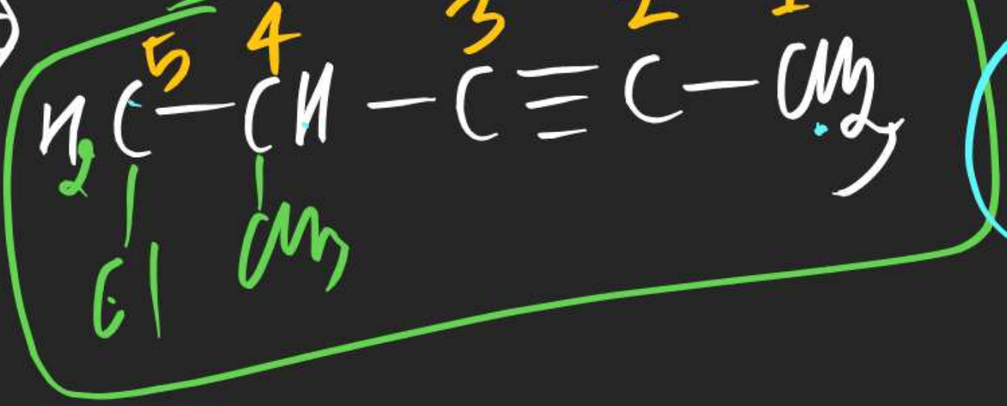
4+

$P_{max} = 4$
$Q_{max} = 5$
$R = 1$

$-CH_3$ $P \neq 1,2,5$ $P_{min} = 3$
$-Cl$ $Q \neq 2$ $Q_{min} = 1$
$R_{min} = 1$ } 5

Fix Fix
R=2, P=4 Q∈(1,4,5)

R=2 ⇒



3

P = 4
Q = 5

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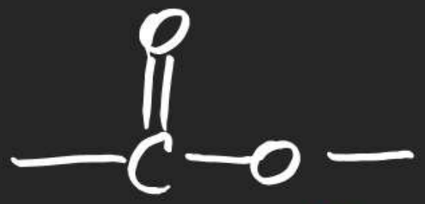
(#) Naming of Esters:-



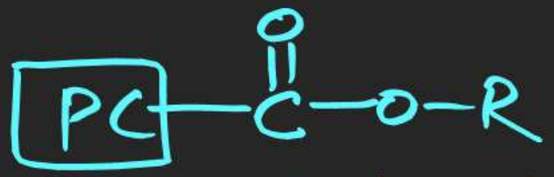
Carbonyl

Oxy

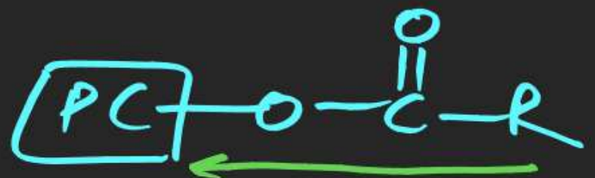
—O—

R Alkyl

Prefix



Alkoxy Carbonyl / Alkanoyl Oxy



Suffix

oate / Carboxylate

when Ester "C" is in main Chain / when Ester "C" is not in main Chain

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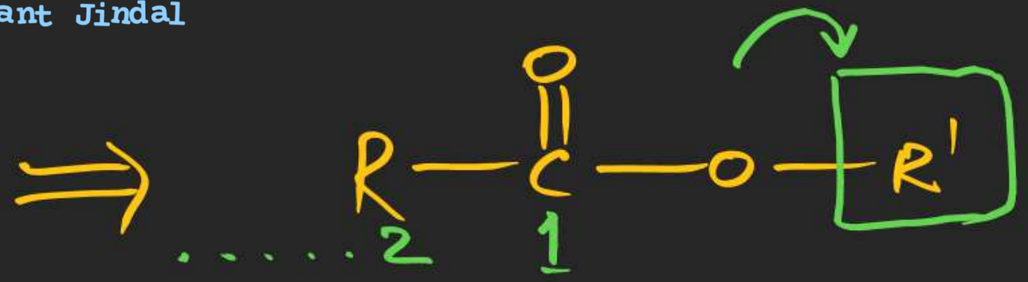
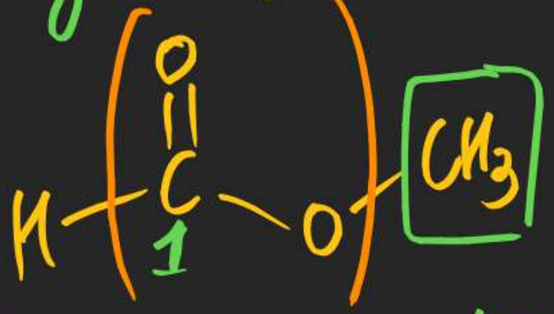


[Alkyl][Alkanoate]

(132)

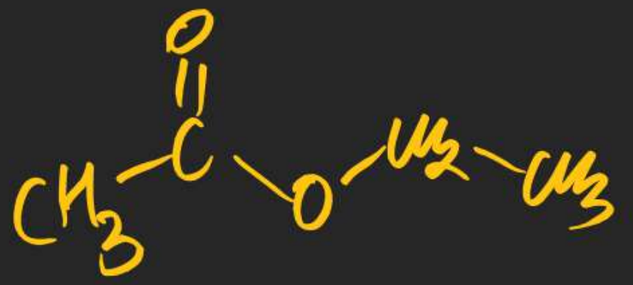


Methyl methanoate

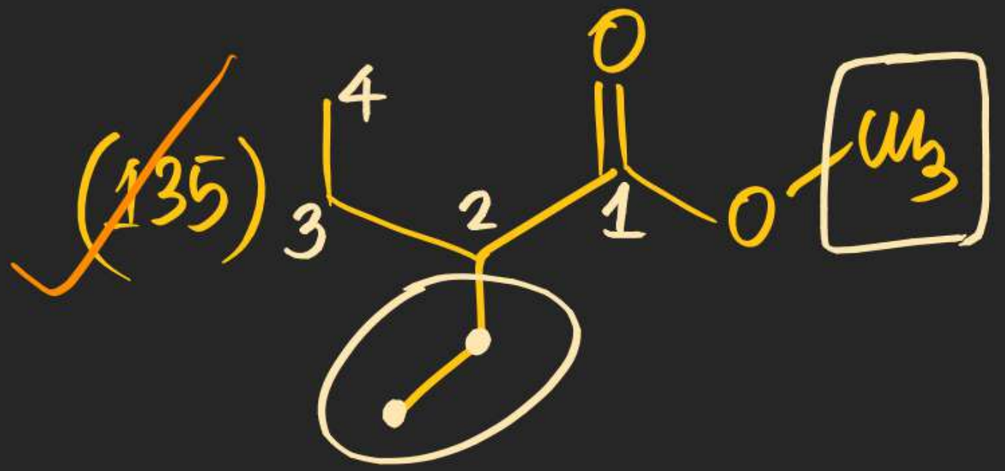
(133)

Ethyl methanoate

(134)



(135)



Methyl-2-Ethyl Butanoate

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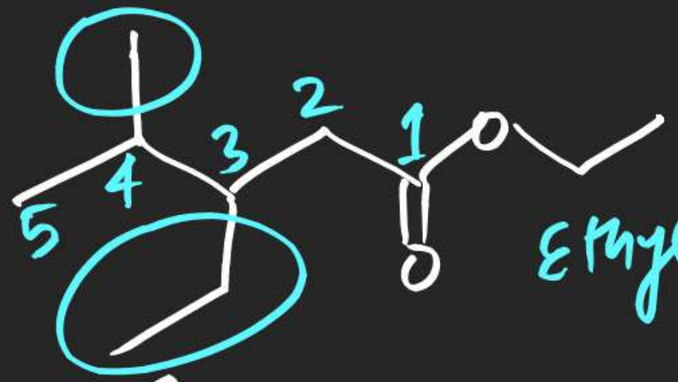
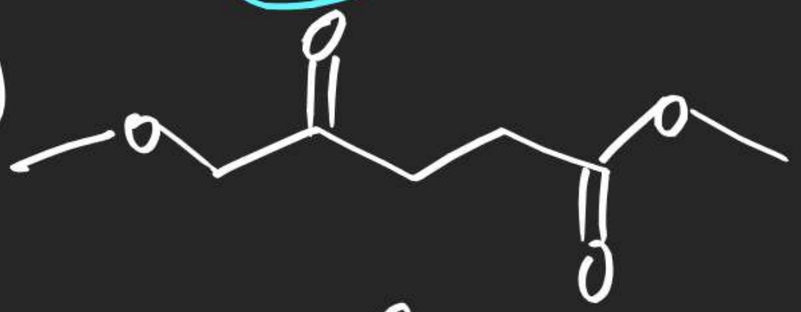
(136)

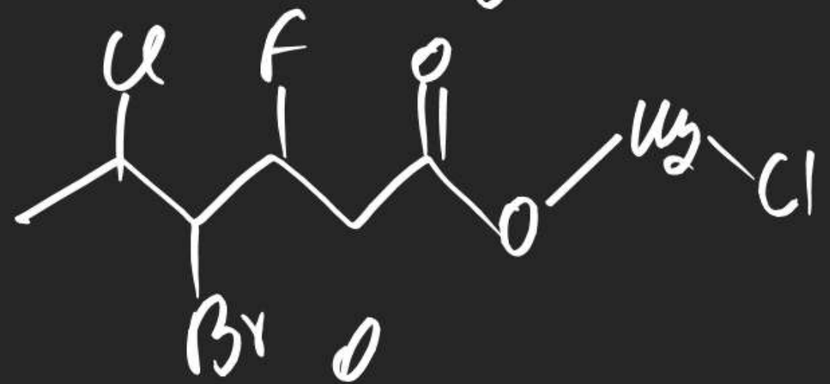


Ethyl-3-Ethyl-4-methyl pentanoate

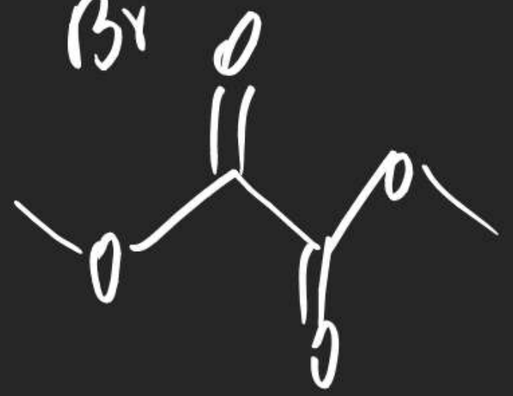
(137)



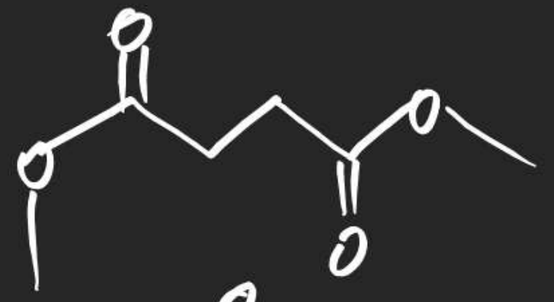
(138)



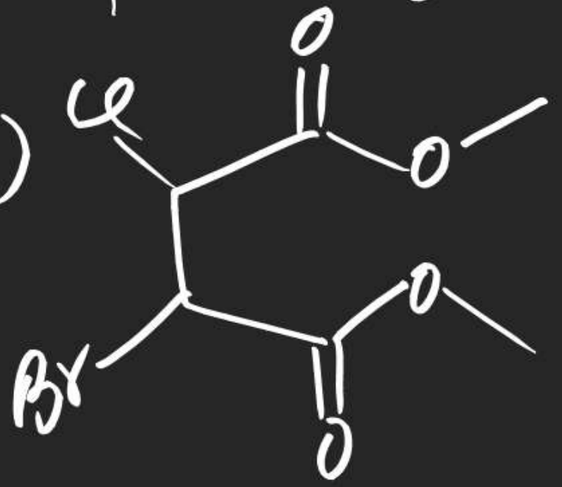
(139)



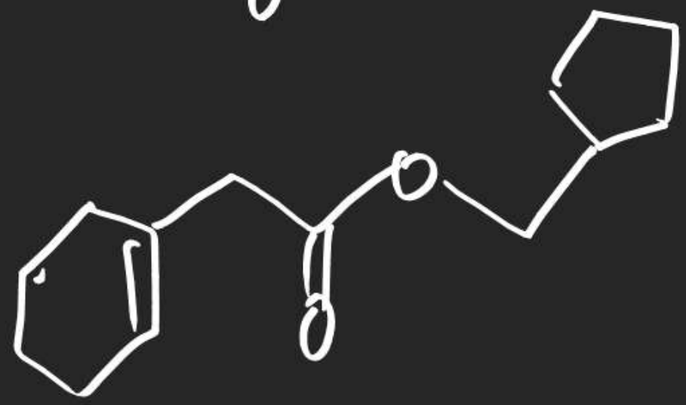
(140)



(141)



(142)



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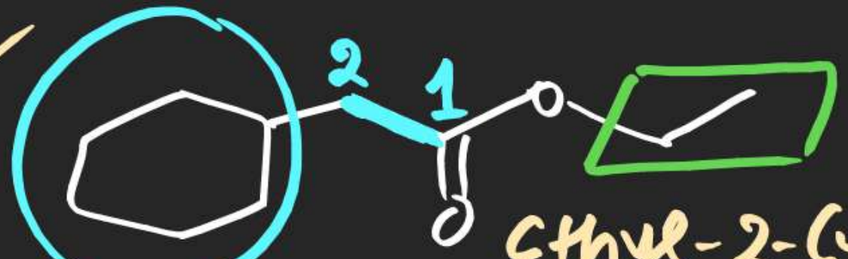
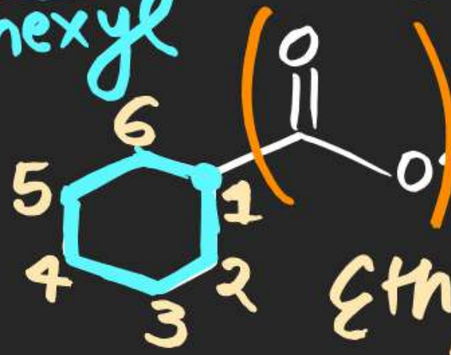
(143)



Cyclohexyl

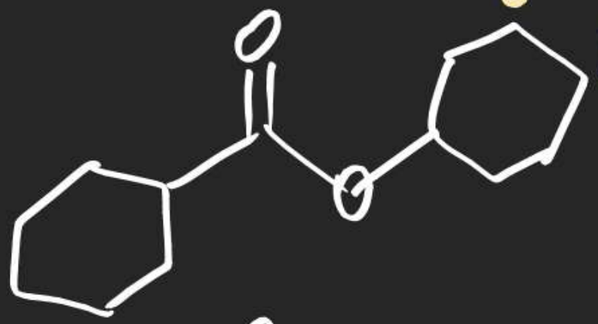
Ethyl-2-Cyclohexyl Ethanoate

(144)

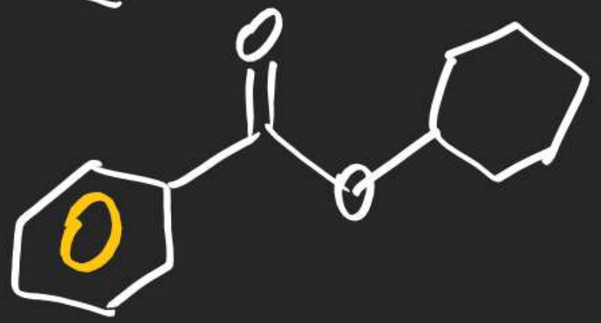


Ethyl Cyclohexane Carboxylate

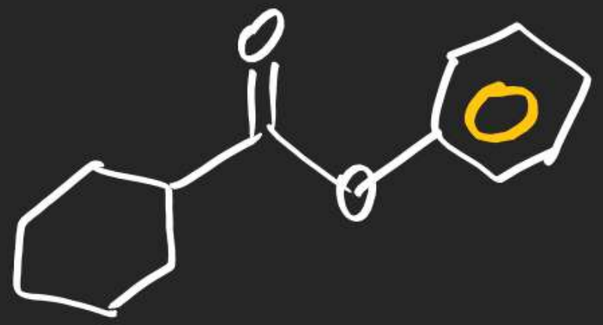
(145)



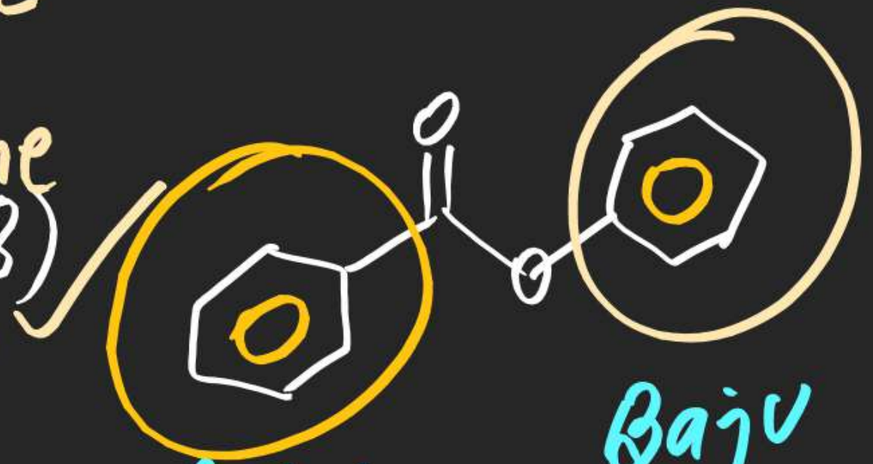
(146)



(147)



(148)



Aaju

Baju

main chain

phenyl

Benzene

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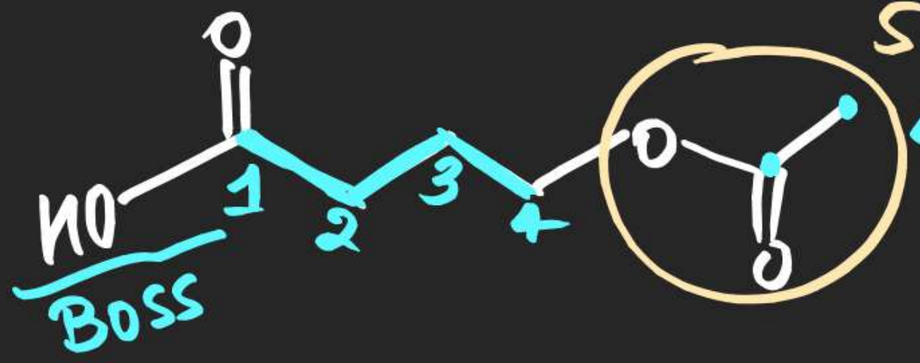
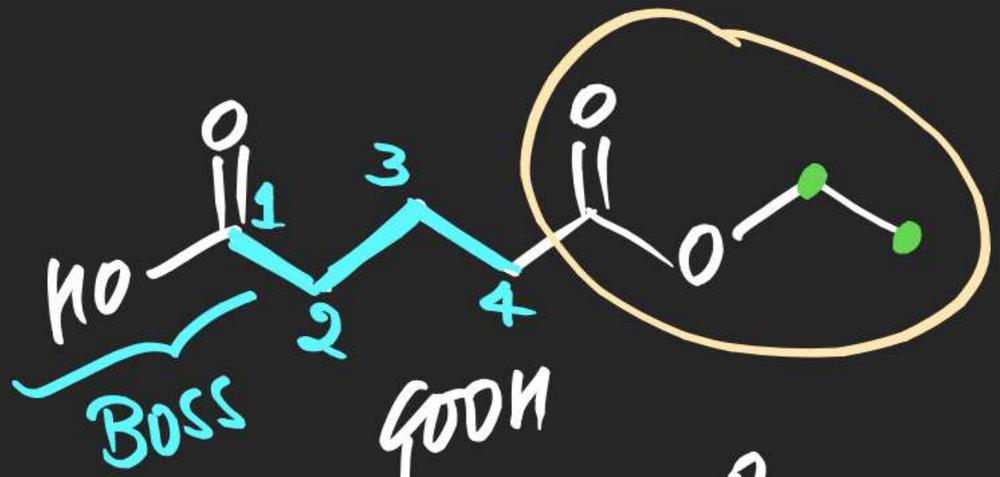
(149)



Side chain

4-Ethanoyloxy Butanoic Acid

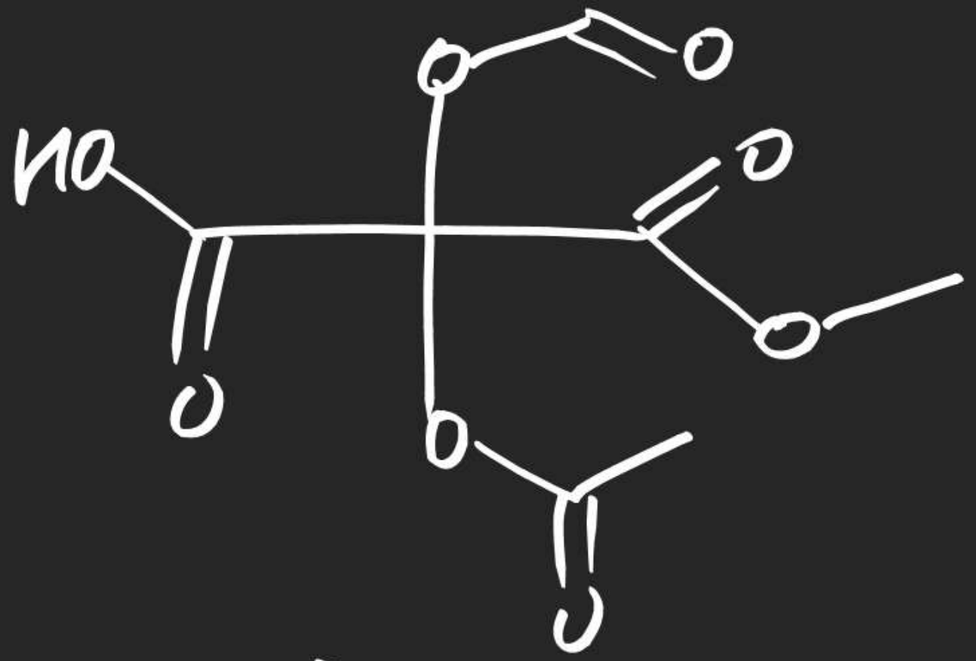
(150)



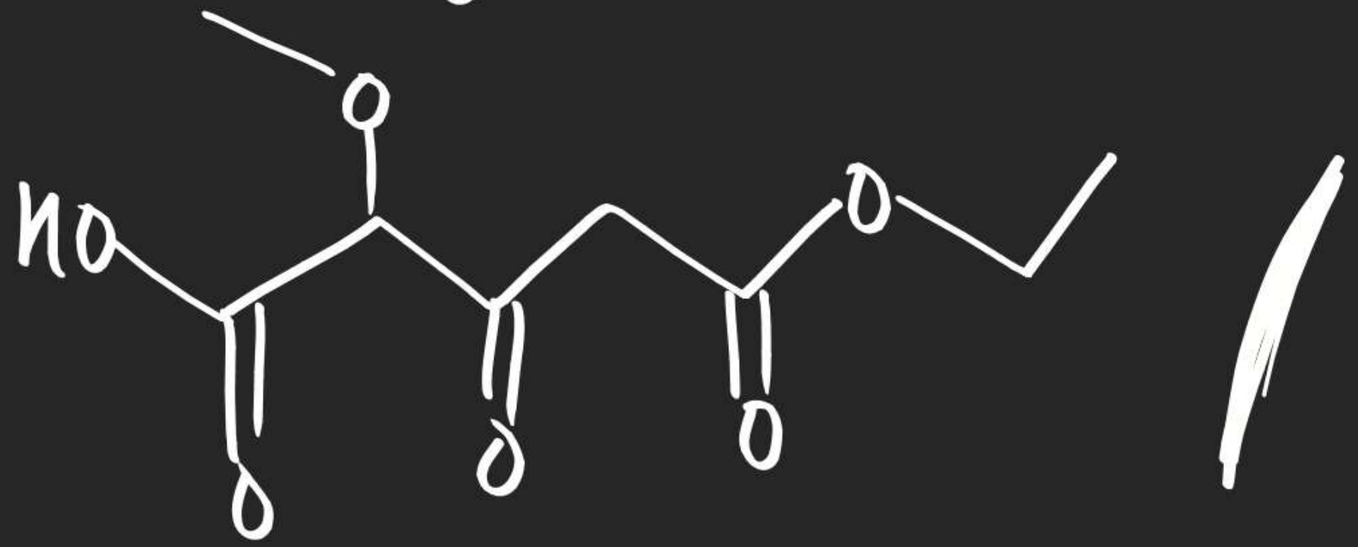
4-EthoxyCarbonyl Butanoic Acid

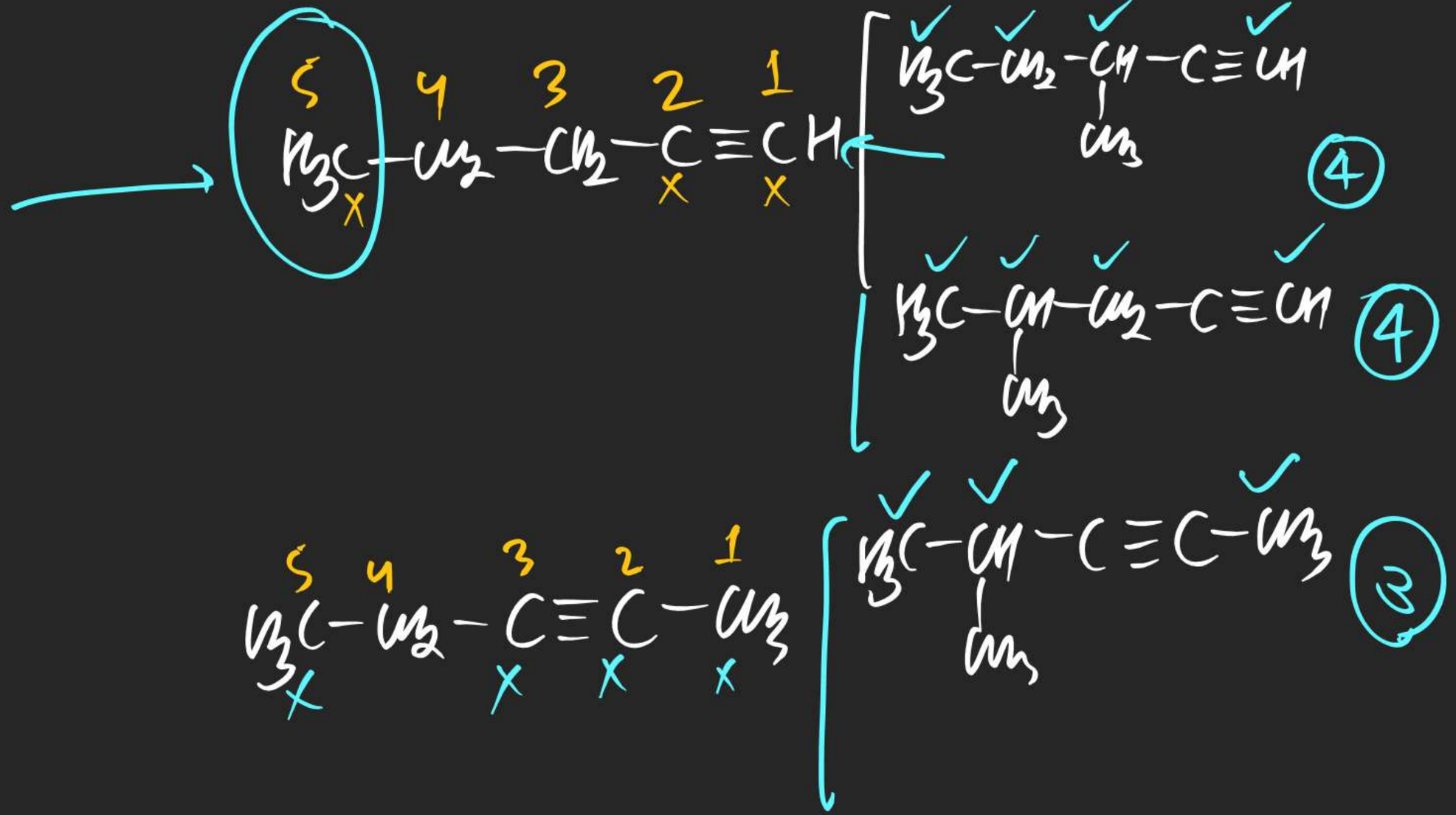
(151)

(152)



(153)





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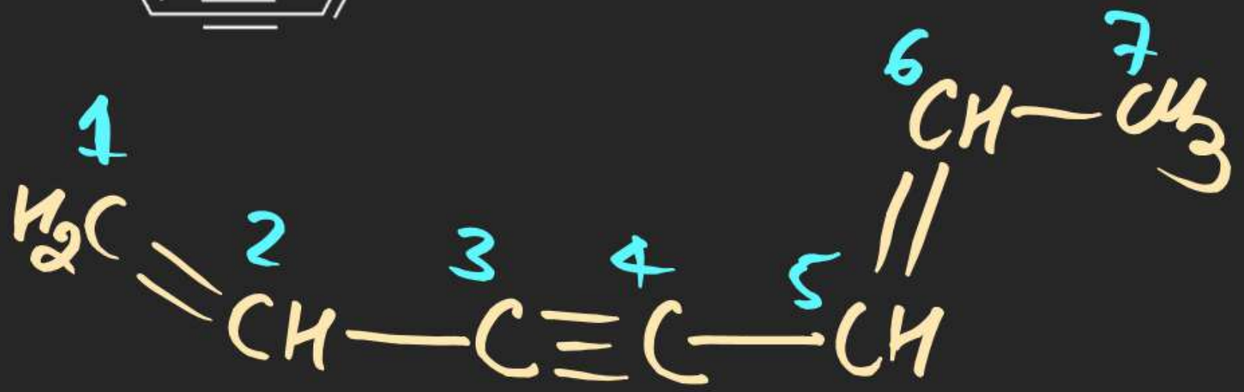
CLASSIFICATION AND NOMENCLATURE

3. 

4. 

(4) 

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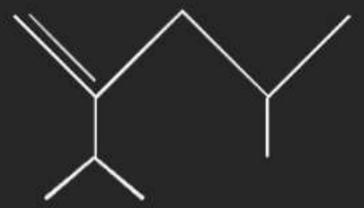
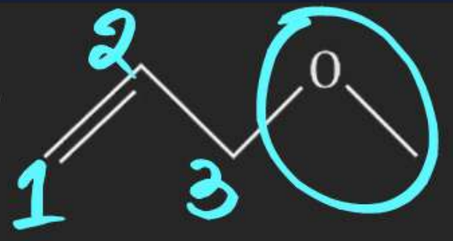
5. 

6. 

Side chain

methoxy

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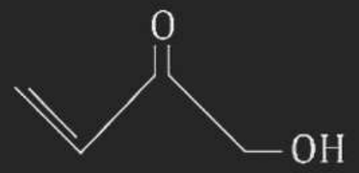
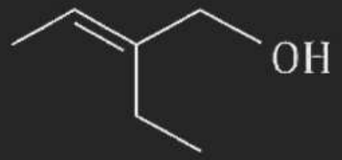
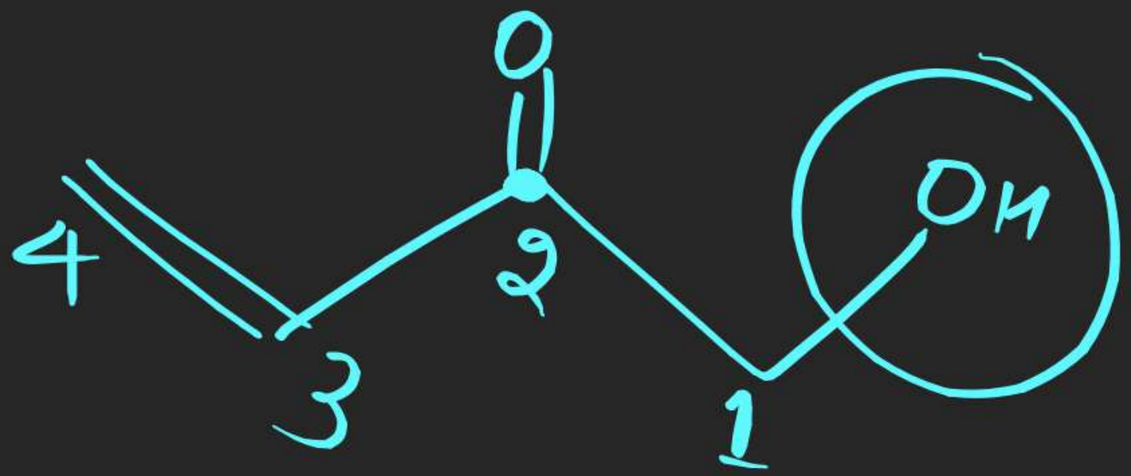
CLASSIFICATION AND NOMENCLATURE

7. 

8. 



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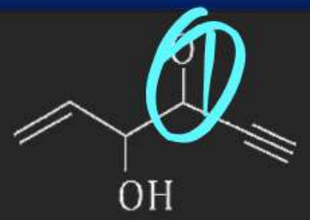
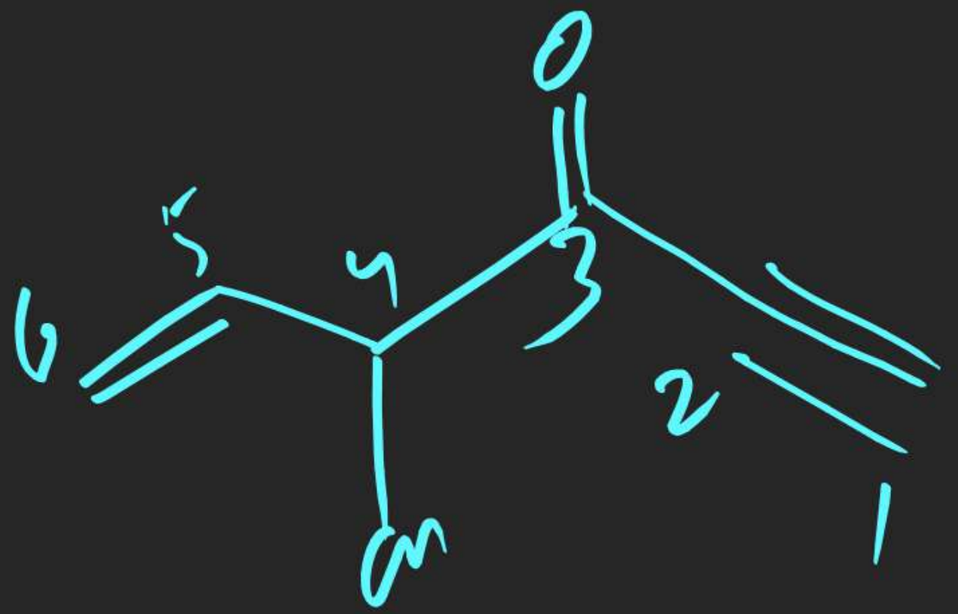
9. 

10. 



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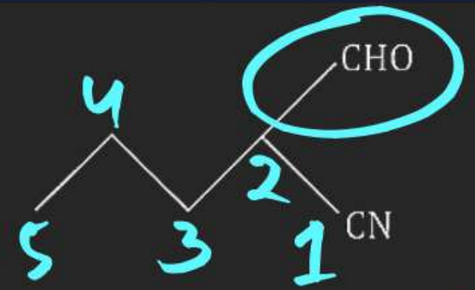
12. 

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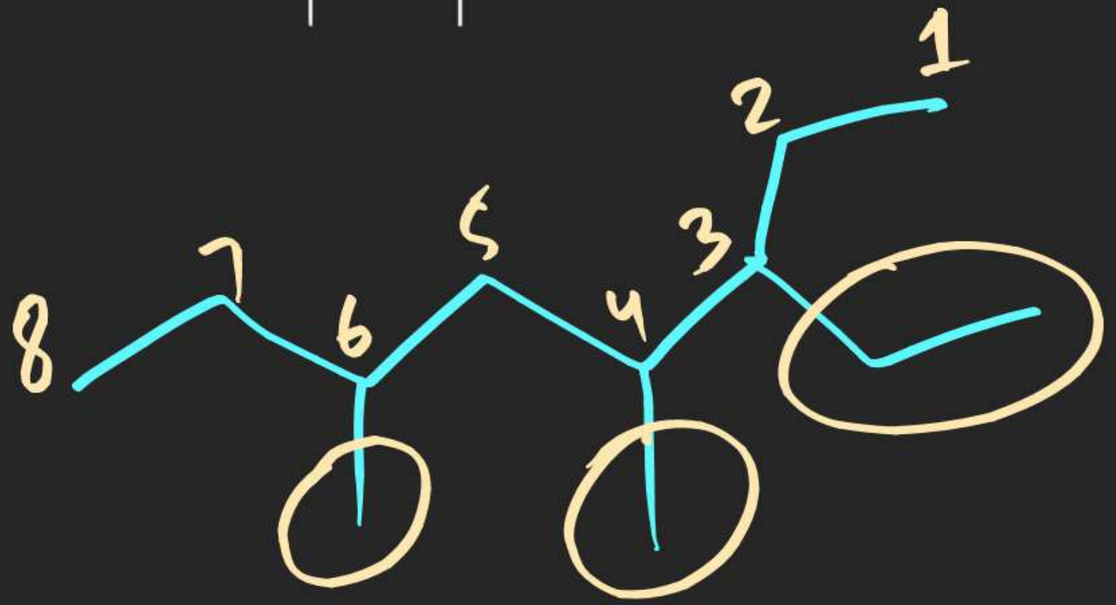
13. 

14. 



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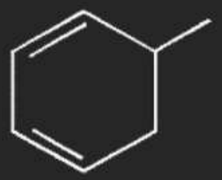
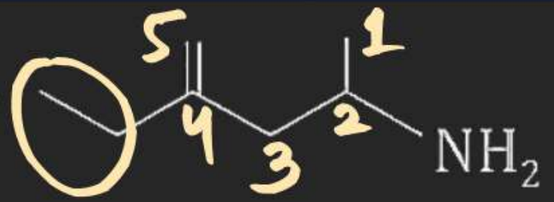
15. 

16. 

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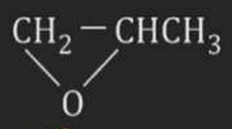
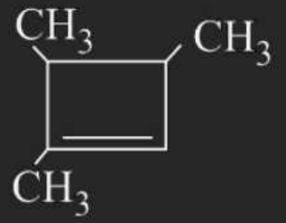
17. 

18. 

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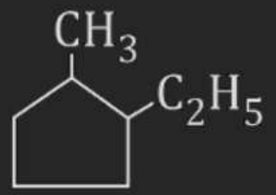
20. 

Ex-2
Next 20 Questions

Ex-1 Next-20