



# Naming of Functional Group - III

Course on Nomenclature of Organic Compounds for Class XI



(87) Methanoic Acid

(88) Ethanoic Acid

(90) Ethandioic Acid

(91) Propanedioic Acid

(92) Butanedioic Acid

(93) Pentanedioic Acid

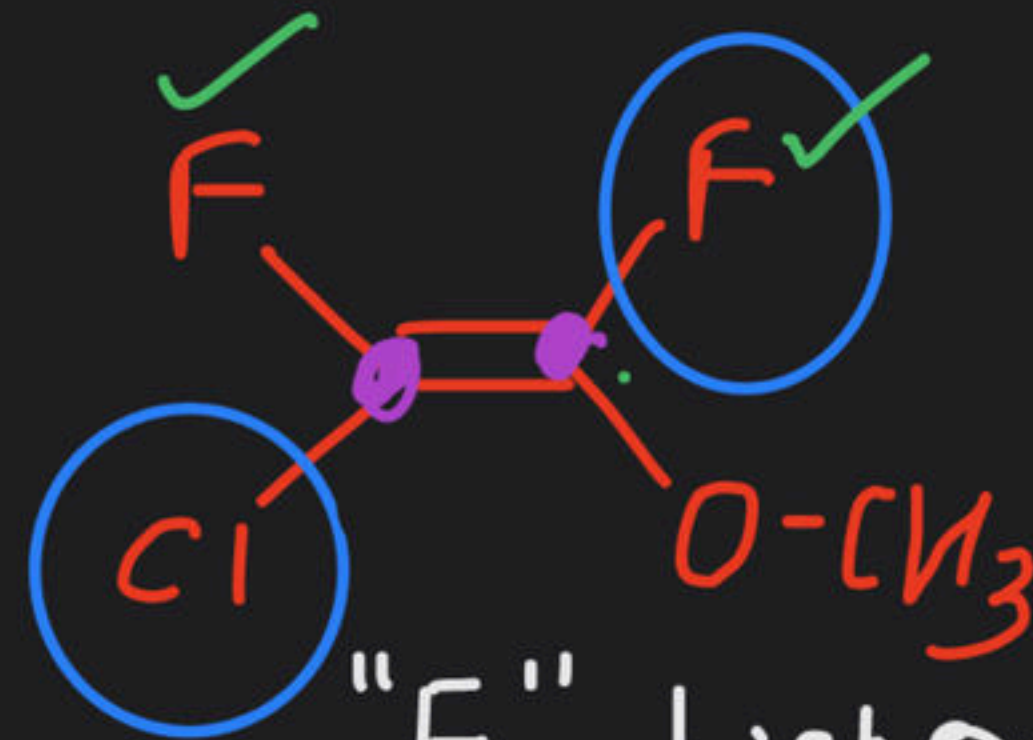
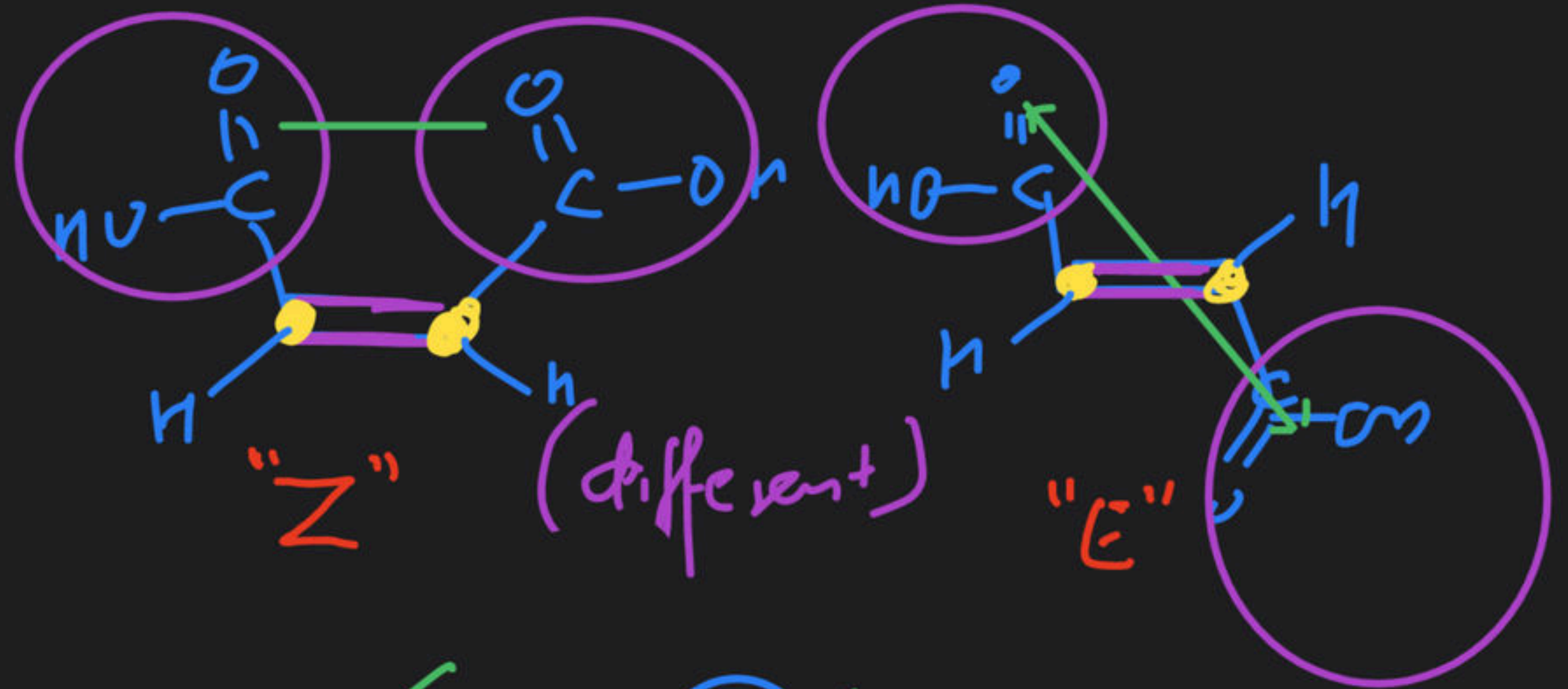
(94) Hexanedioic Acid

(95) Heptanedioic Acid.  
palmitic Acid

(96) \_\_\_\_\_

(97) (2Z)-But-2-enedioic Acid.

(98) (2E)-But-2-enedioic Acid



higher priority group opp.

Cis

Both F atoms same side



(99) 2,3-Di hydroxy Butenedioic Acid.

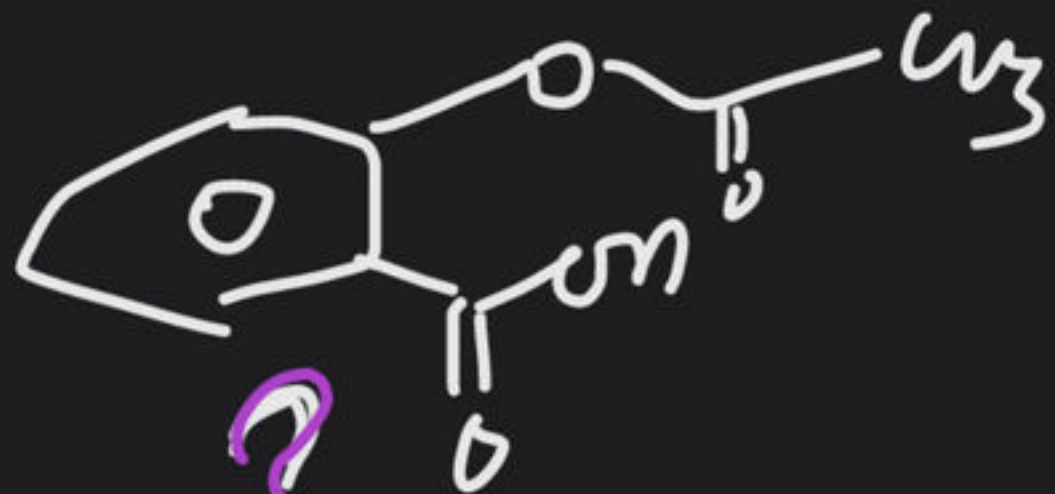


(100) 2-Hydroxy Benzene Carboxylic Acid

or 2-Hydroxy Benzoic Acid (Imp)



Imp  
(101)

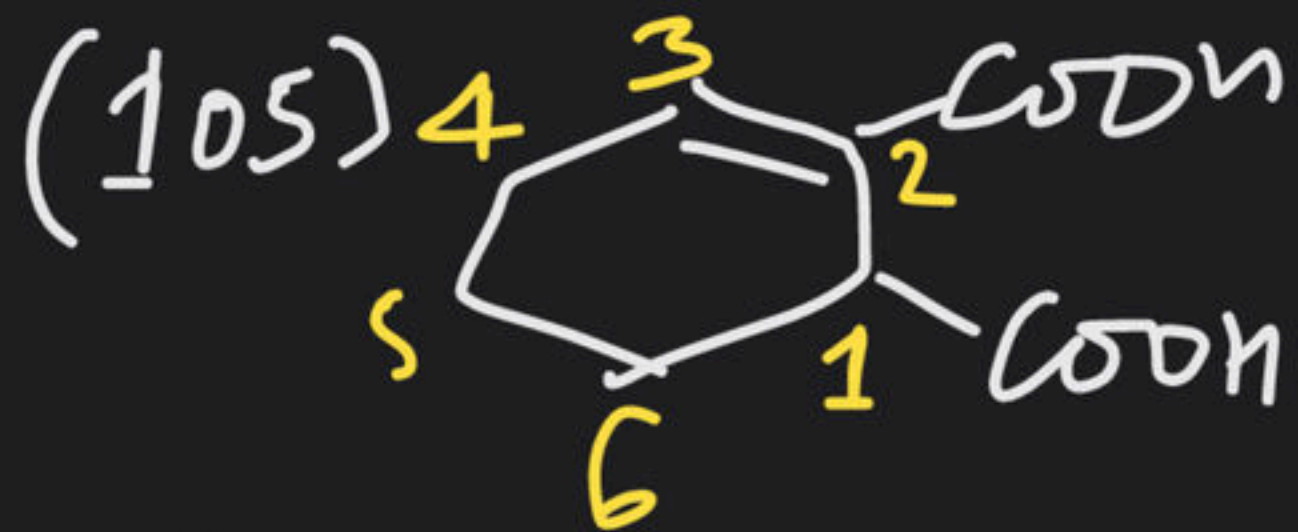


2-Ethanoyl oxy Benzene Carboxylic Acid?

2-Ethanoyl Oxy Benzoic Acid

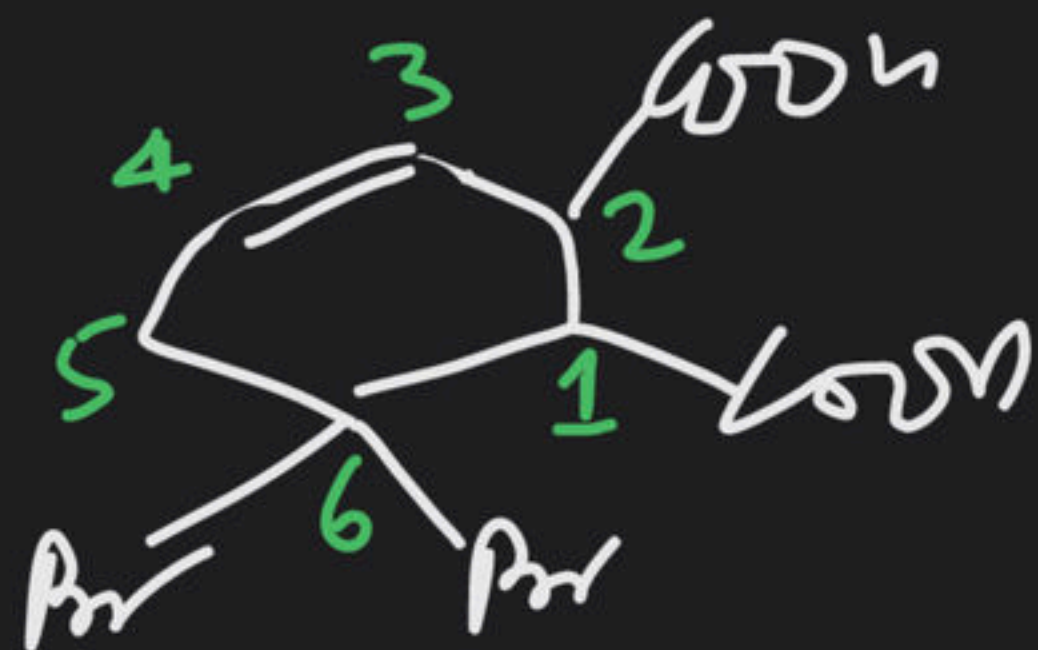
(102) 2-Hydroxy Propane - 1,2,3-Tri Carboxylic Acid.





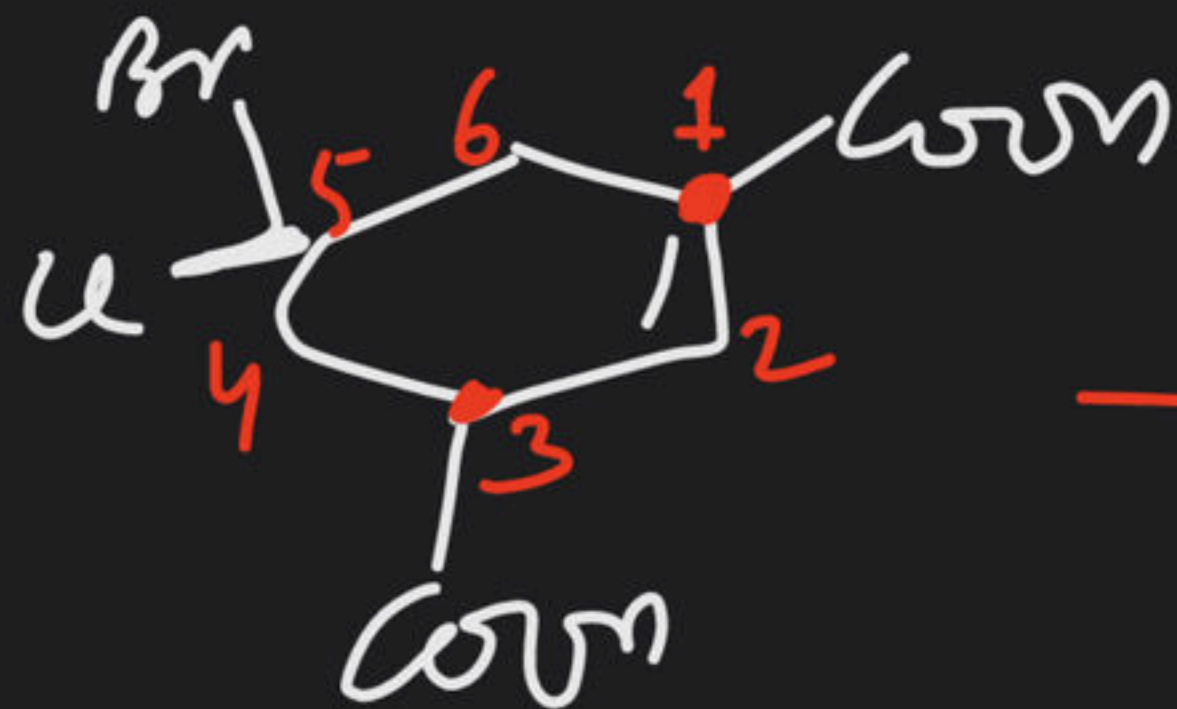
Cyclohex-2-ene-1,2-dicarboxylic  
Acid

(106)



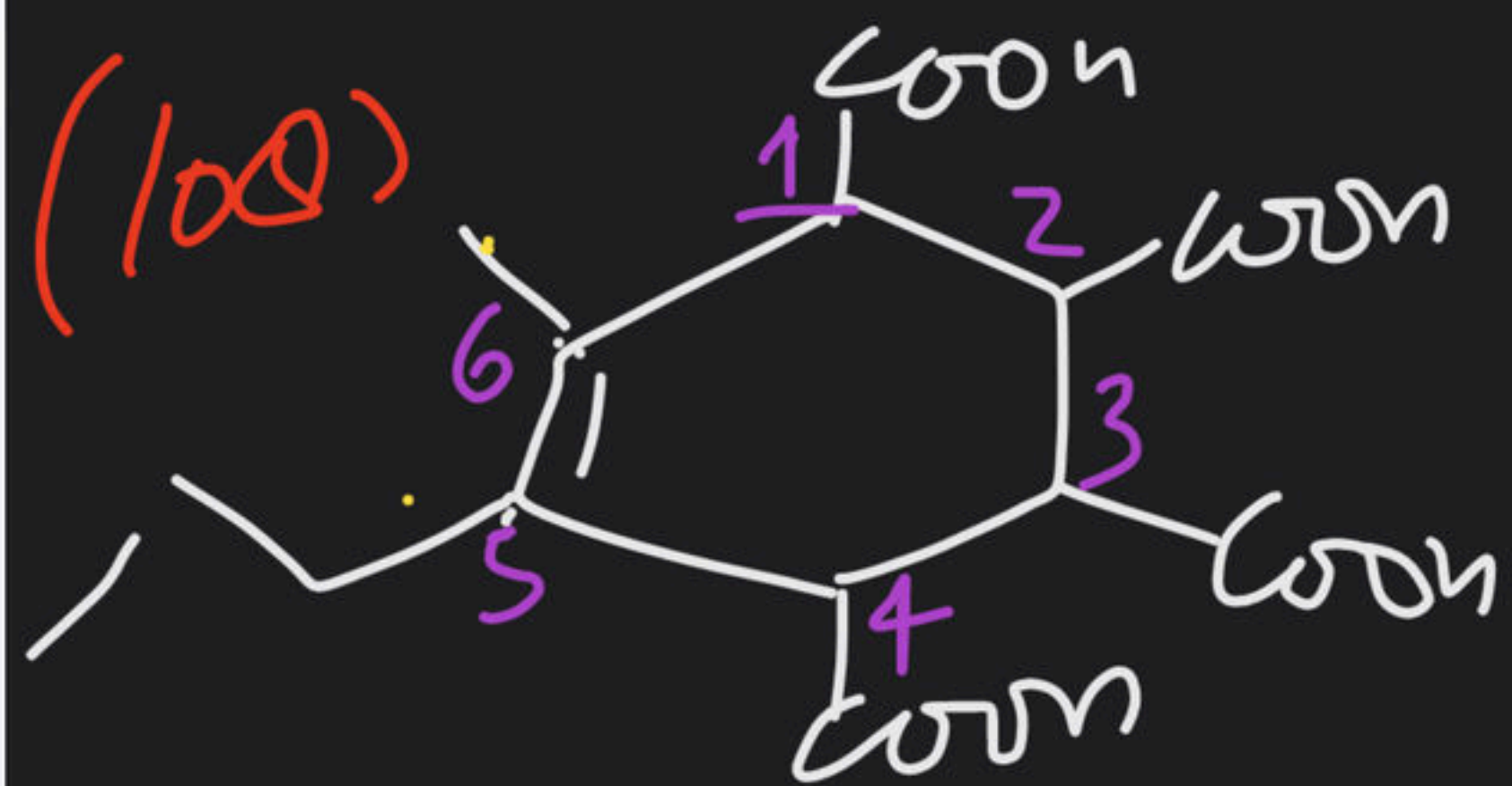
6,6-Dibromo Cyclohex-3-ene  
-1,2-diCarboxylic Acid.

(107)



5-Bromo-5-chloro Cyclohex  
-1-ene-1,3-diCarboxylic Acid.

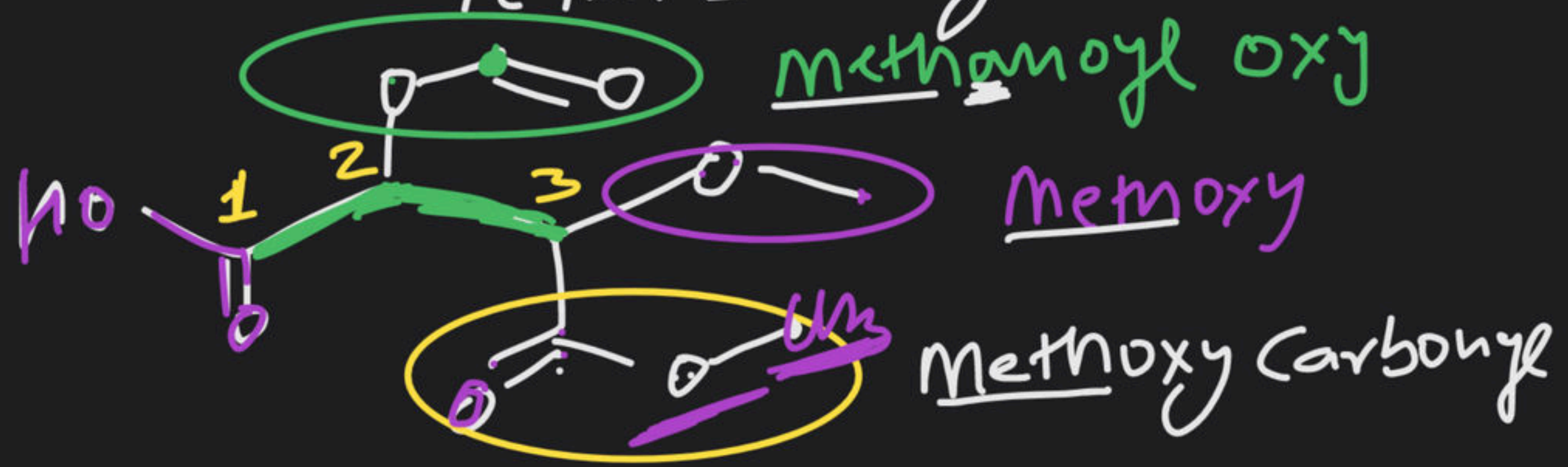




2-methanoyloxy-3-methoxy  
3-methoxycarbonylpropanoic  
Acid

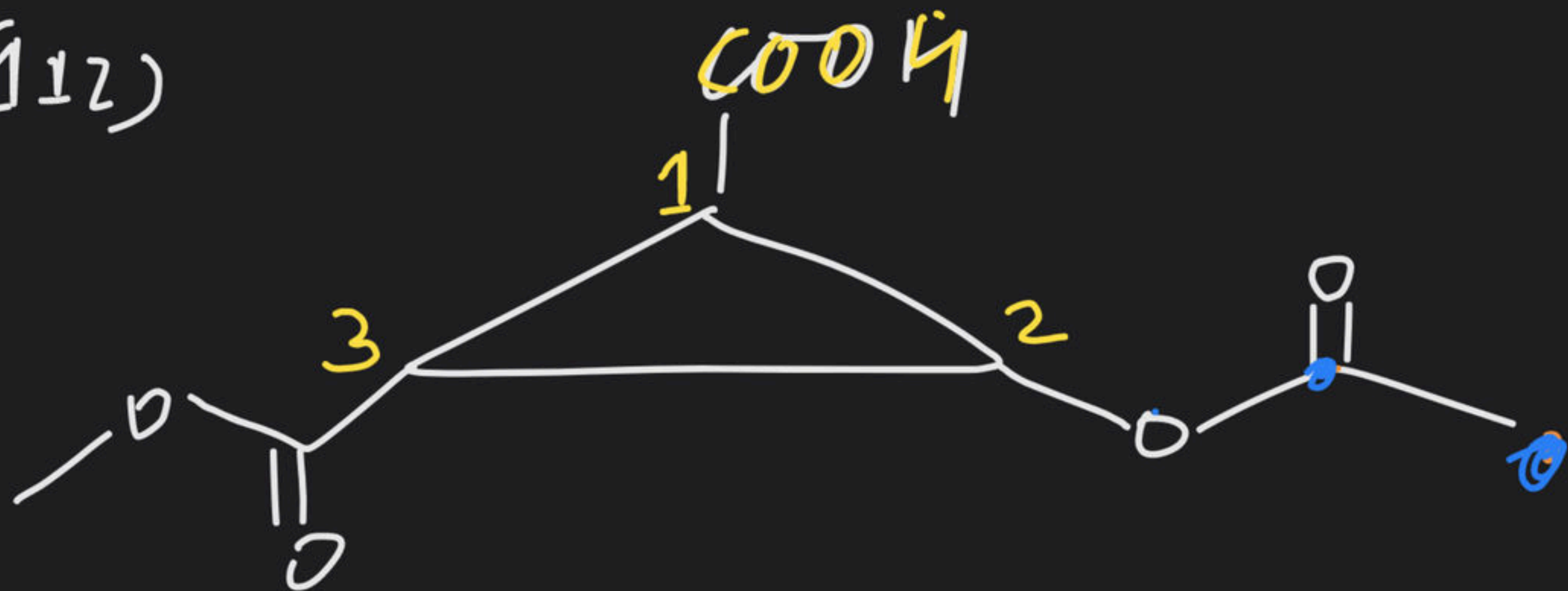
5-ethyl-6-methylcyclohex-5-ene-1,2,3,4  
(111)

Tetracarboxylic Acid.





(112)



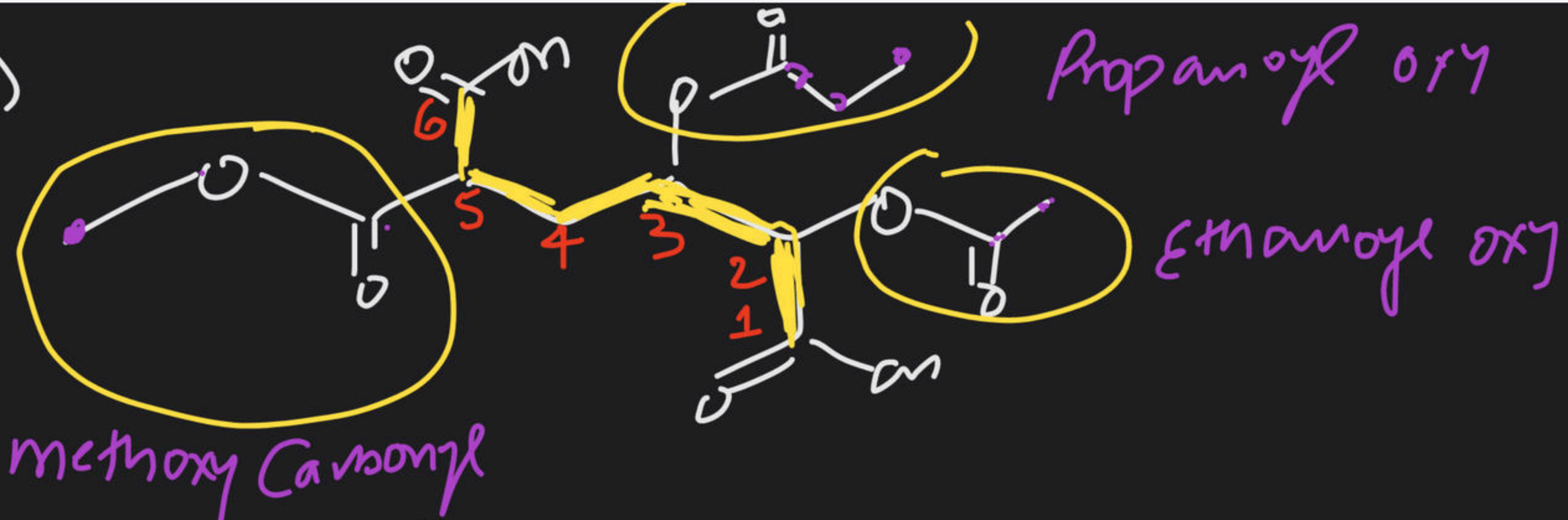
methoxy carbonyl

Ethanoyl oxy

2-ethanoyl oxy - 3-methoxy carbonyl  
Cyclopropane Carboxylic Acid



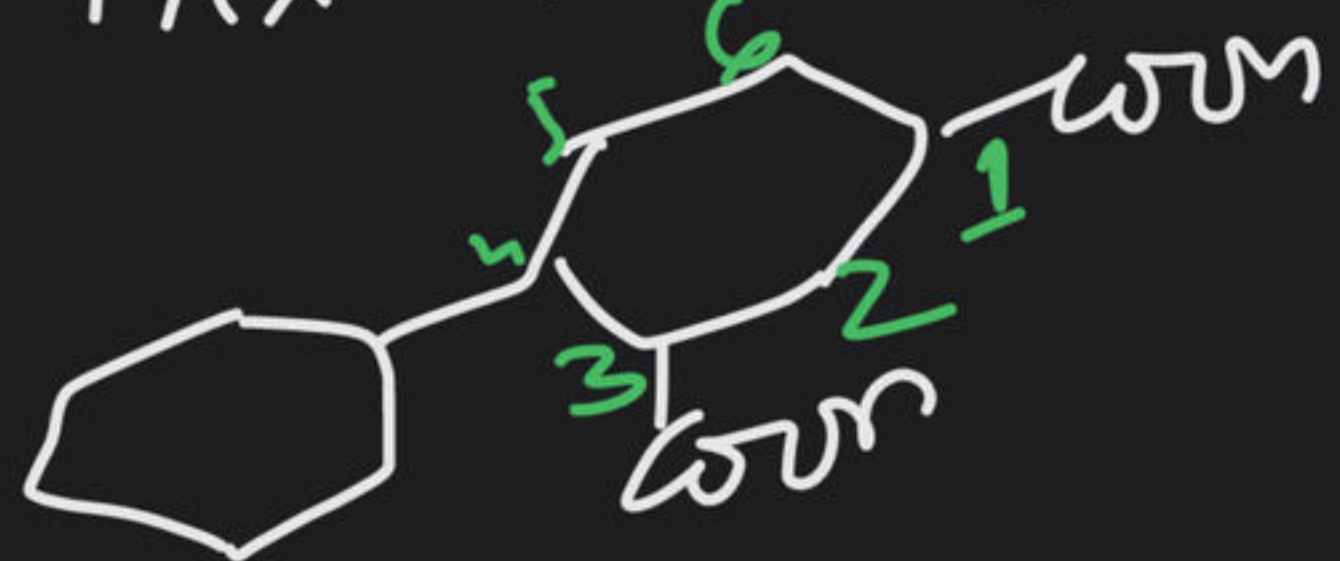
(113)



2-Ethanoxyoxy - 5-Methoxy Carbonyl - 3-Propanoyl oxy

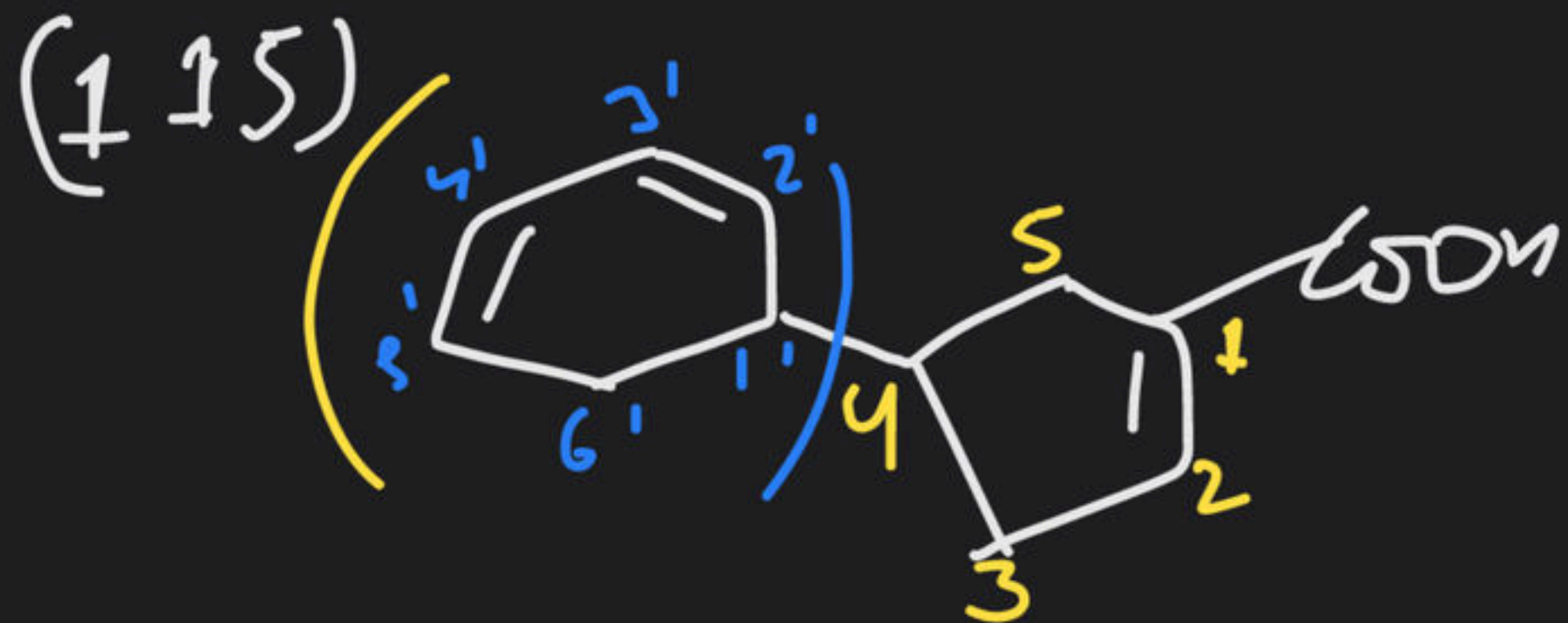
(114)

Hexandiolic Acid.

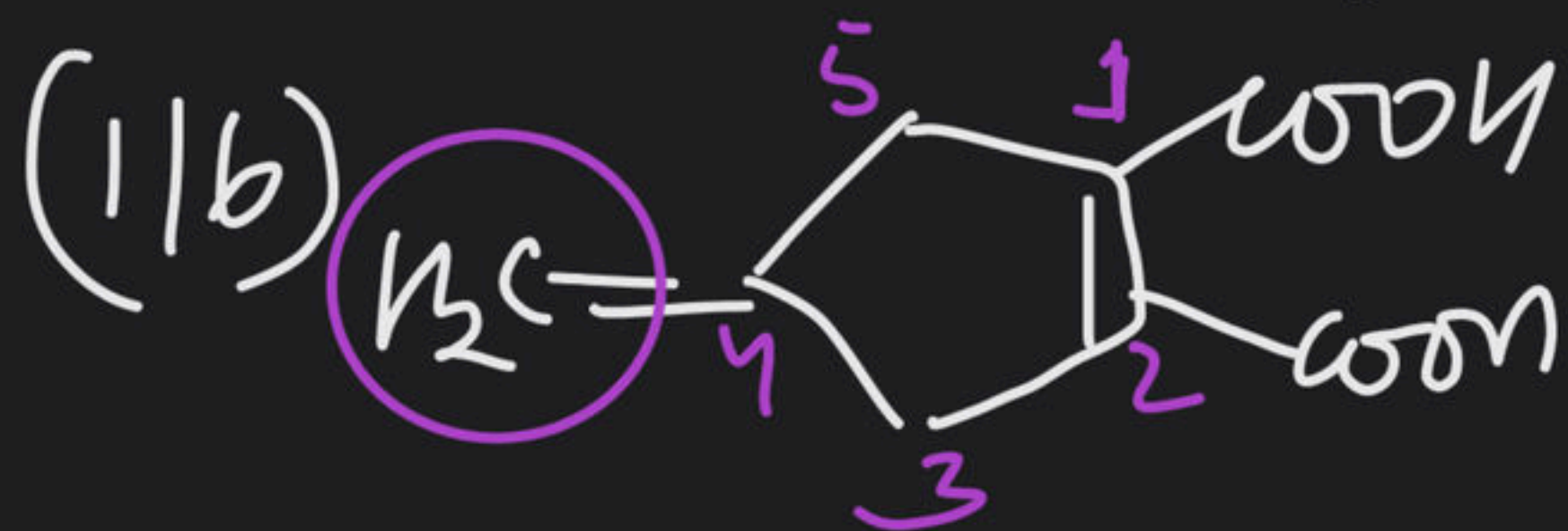


4-Cyclohexyl  
Cyclohexane - 1,3-di  
Carboxylic Acid.





1-(cyclohexa-2,4-dienyl) cyclopent-1-ene-1-carboxylic  
Acid.



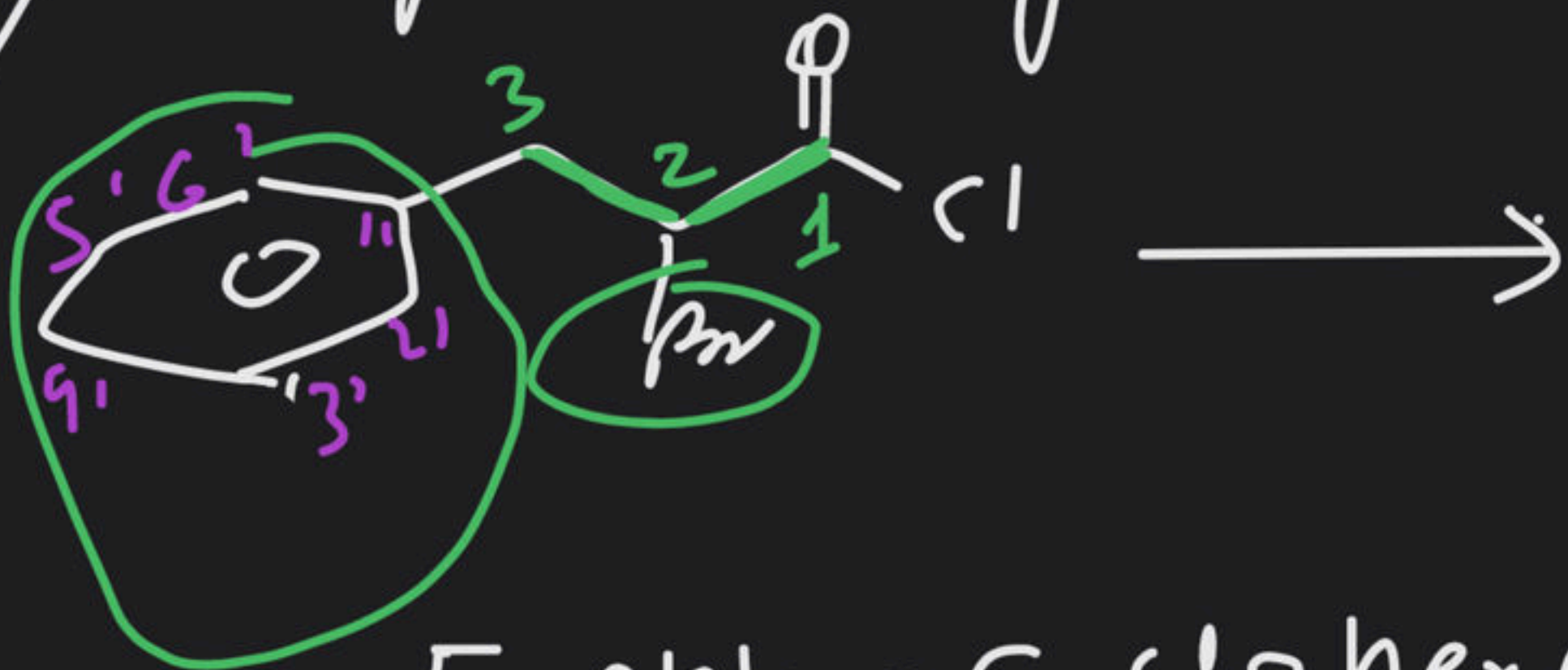
4-methylidene  
cyclopent-1-ene-1,2-di  
Carboxylic Acid.



(110) 2-Bromo-3-chloro Butanoyl chloride

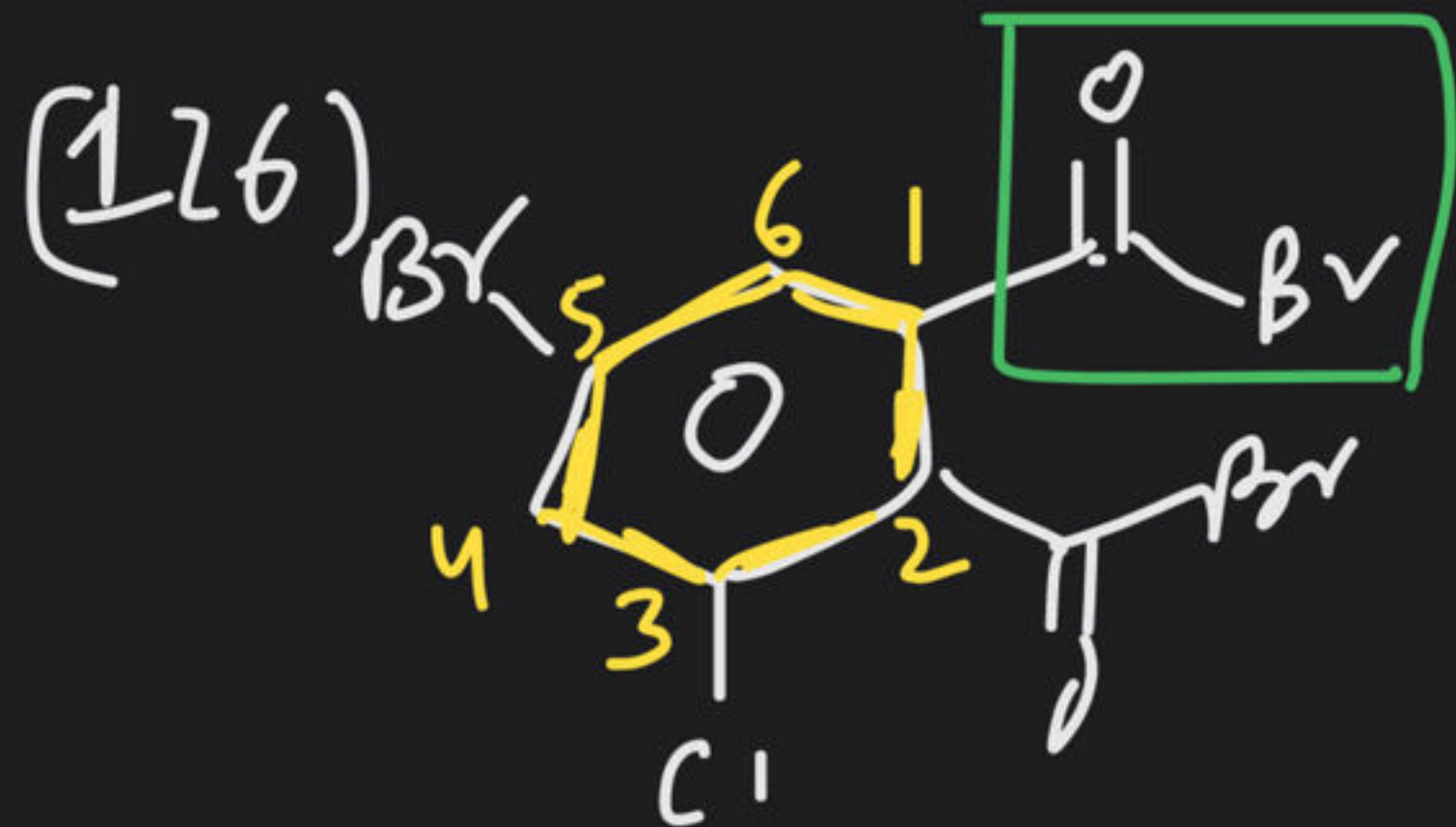
(120) Ethandioyl chloride

(122) 2-Cyclohexyl Ethanoyl Bromide

(123)  2-Bromo-3(3'-chloro phenyl)  
propanoyl chloride

(124) 5-chloro Cyclohexane - 1,3-diCarboxyl chloride

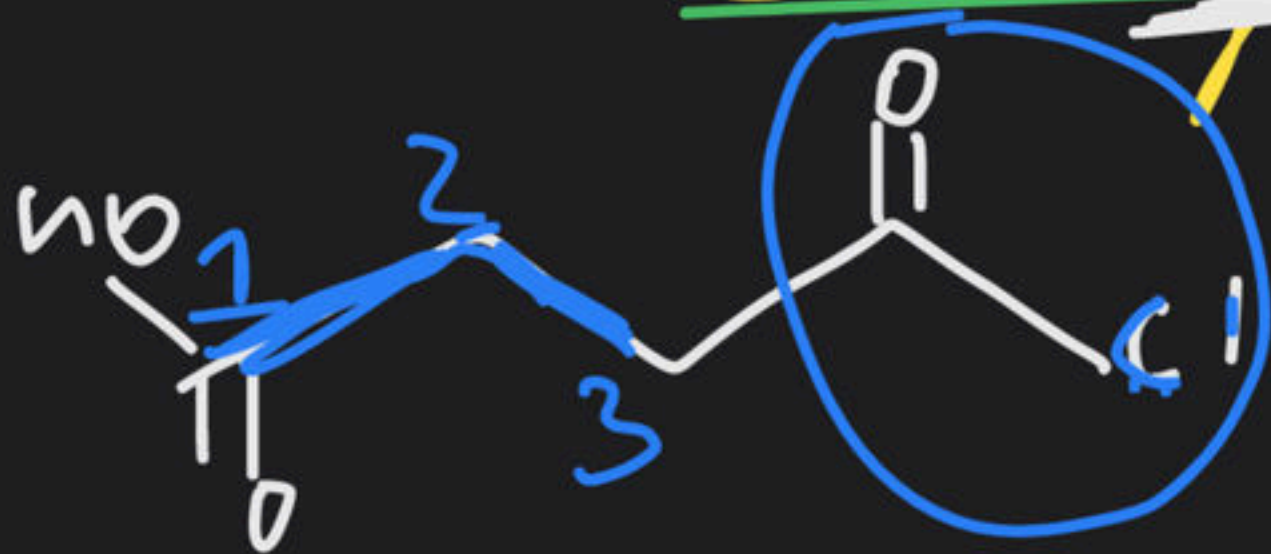




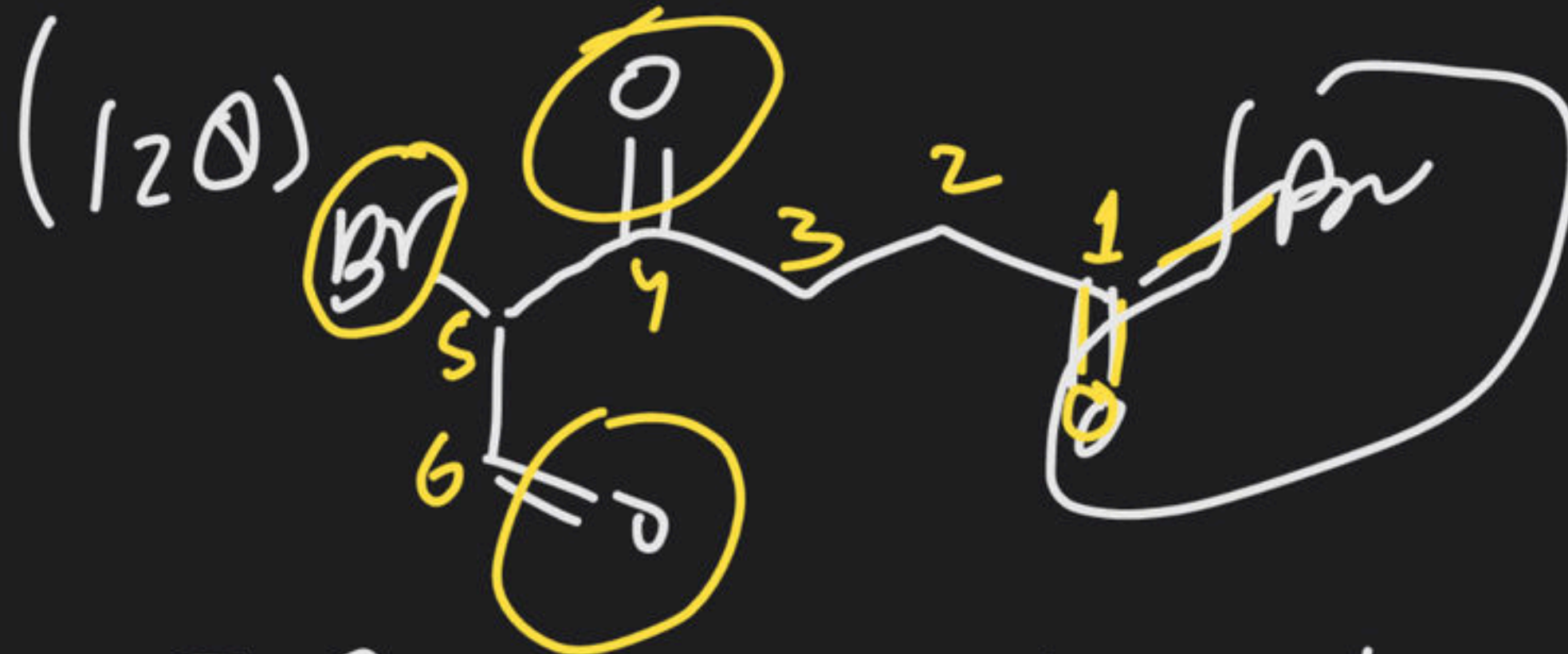
5-bromo-3-chloro

Benzene - 1,2-di Carboxyl Bromide

(127)



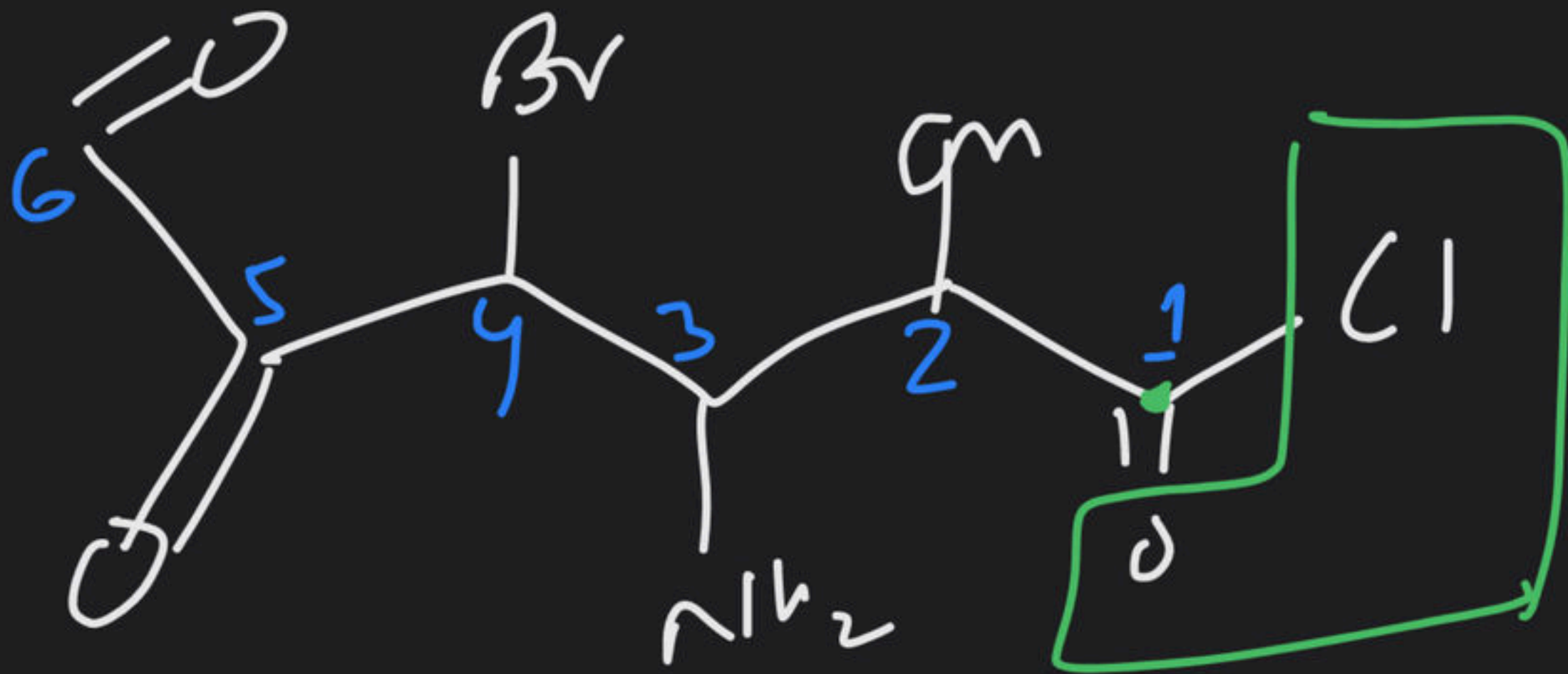
3-chloro Carbonyl  
propanoic Acid.



5-bromo-4,6-di oxo Hexanoic  
Bromide



(129)



3-Amino-4-bromo-2-hydroxy-5,6-dioxo



hexanoyl chloride

3-Amino-4-bromo

5-hydroxy-2-hydroxy

-6-oxo-hexanoyl chloride



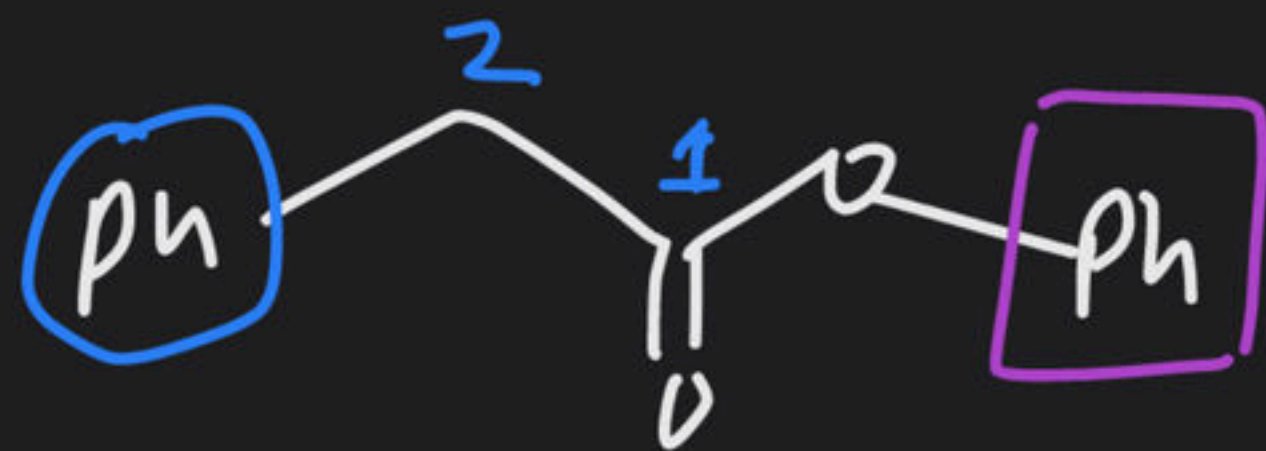
(130) 3-chloro-2-oxo propionyl chloride

(133) methyl ethanoate

(135) chloromethyl propanoate

(136) Tribromomethyl-2-methyl propanoate

(137)



(138) Ethyl-3,4-dioxo  
Butanoate

Phenyl-2-phenyl ethanoate



(139) Cyclopentyl-2-cyclohexyl Ethanoate

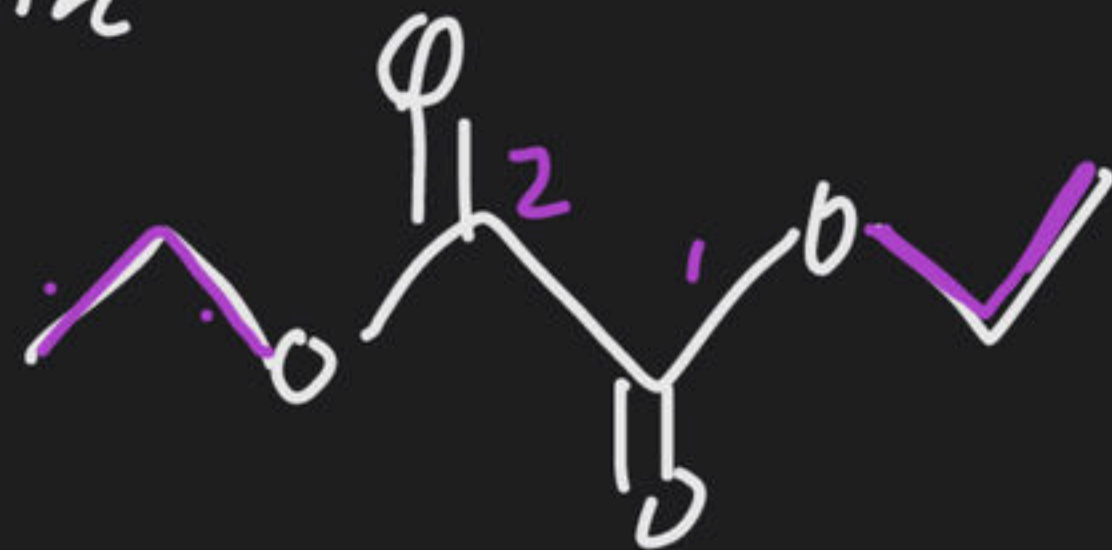
(140) Phenyl Benzene Carboxylate  
Phenyl Benzoate

(141) Cyclohexyl Benzene Carboxylate

(142) Phenyl Cyclohexane Carboxylate

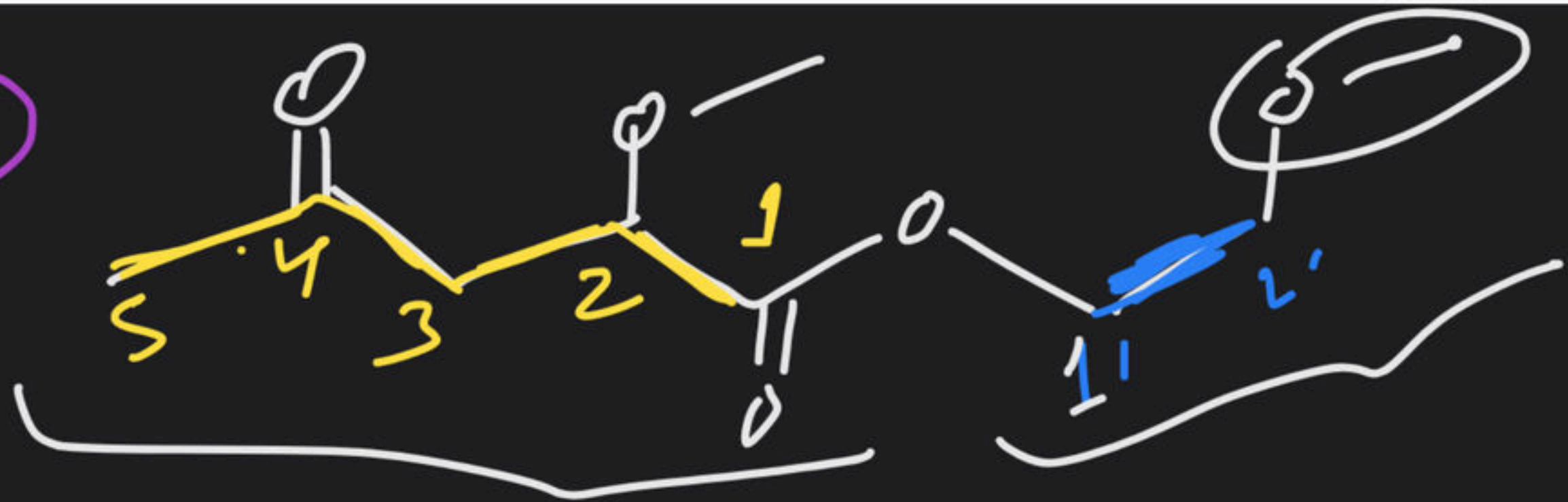
(143) Ethyl Ethandioate

(144) Methyl Butanedioate





(145)



(2'-methoxy ethyl) - 2-methoxy - 4-oxo pentanoate.

Book

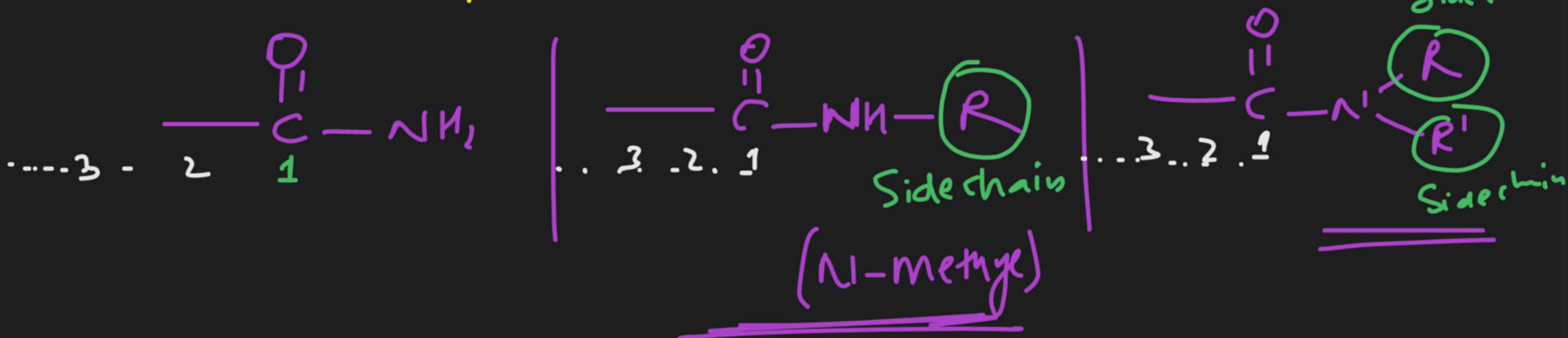




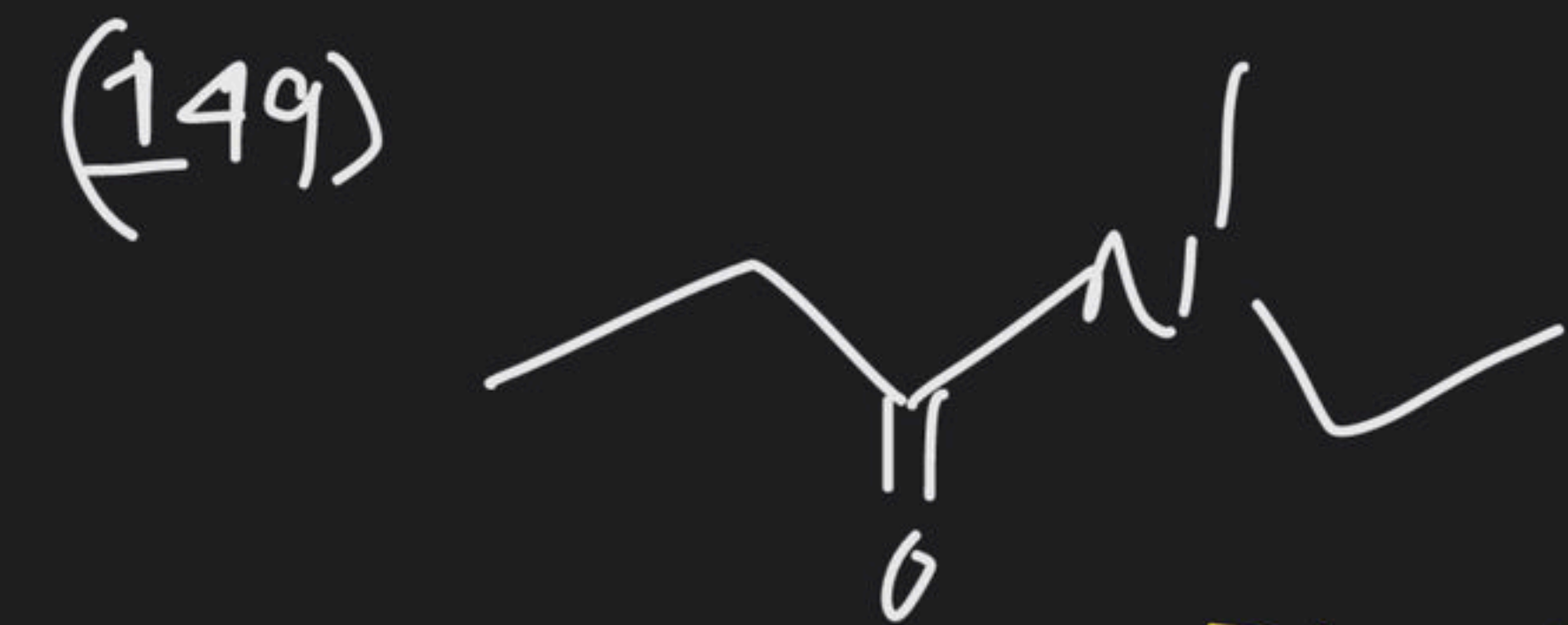
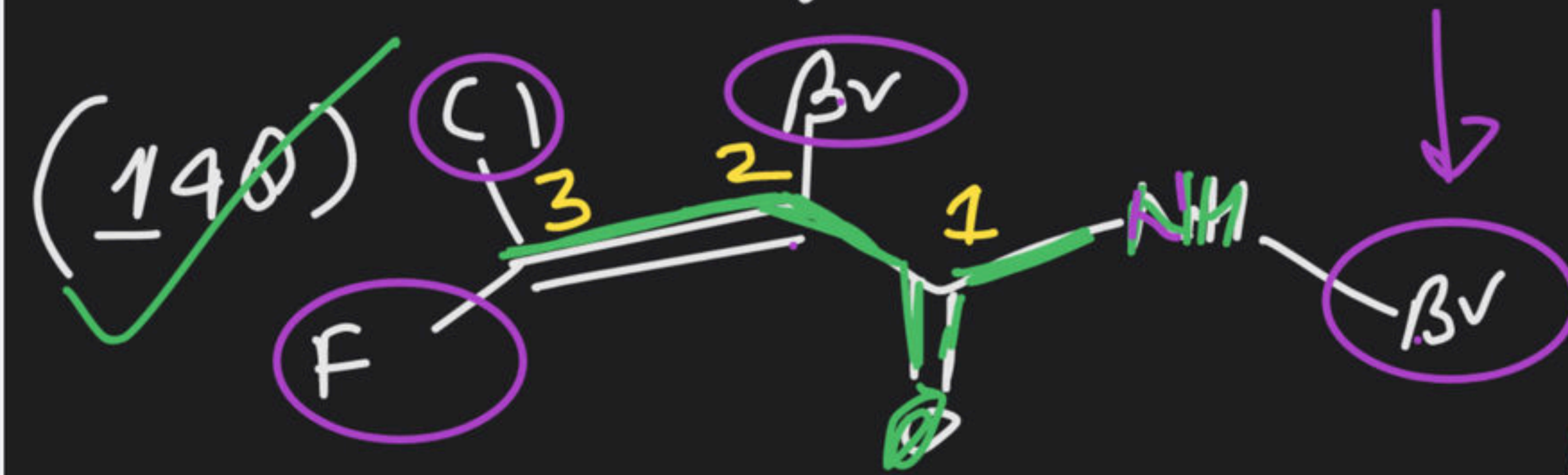
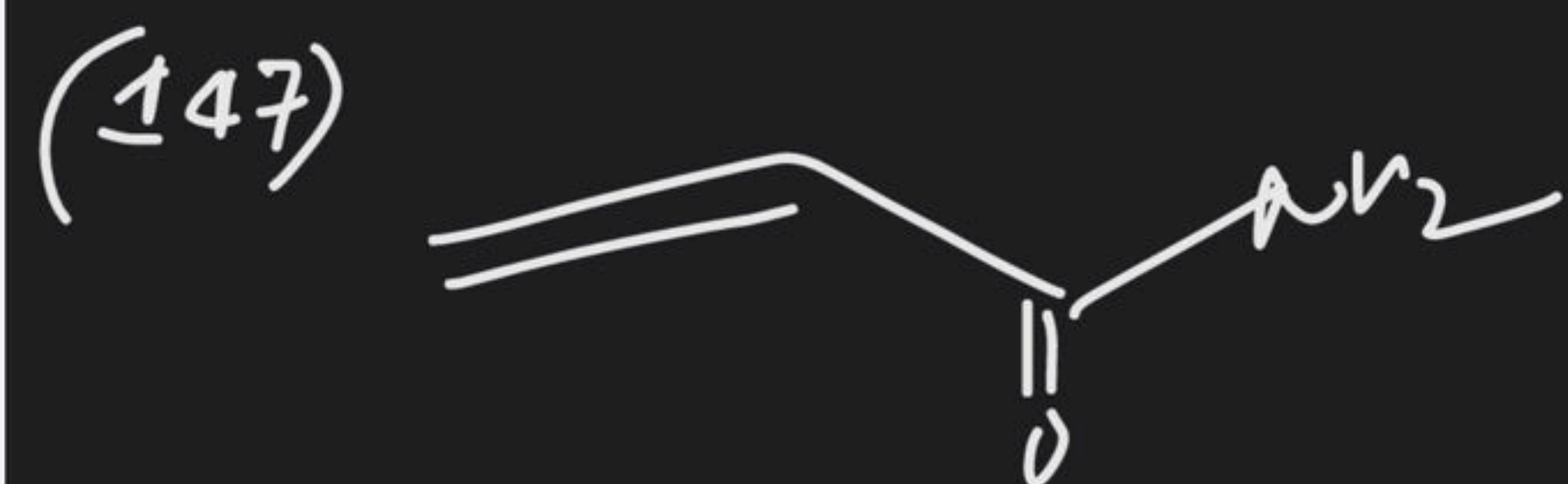
# Acid- Amide

Prefix: Carbamoyl

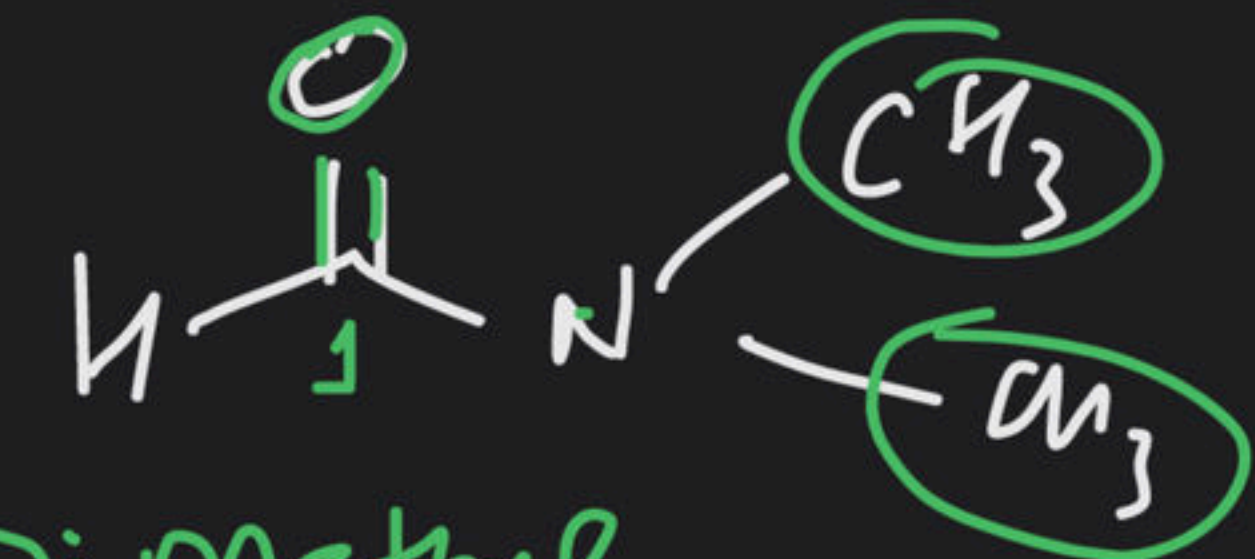
Suffix: Amide / Carboxamide







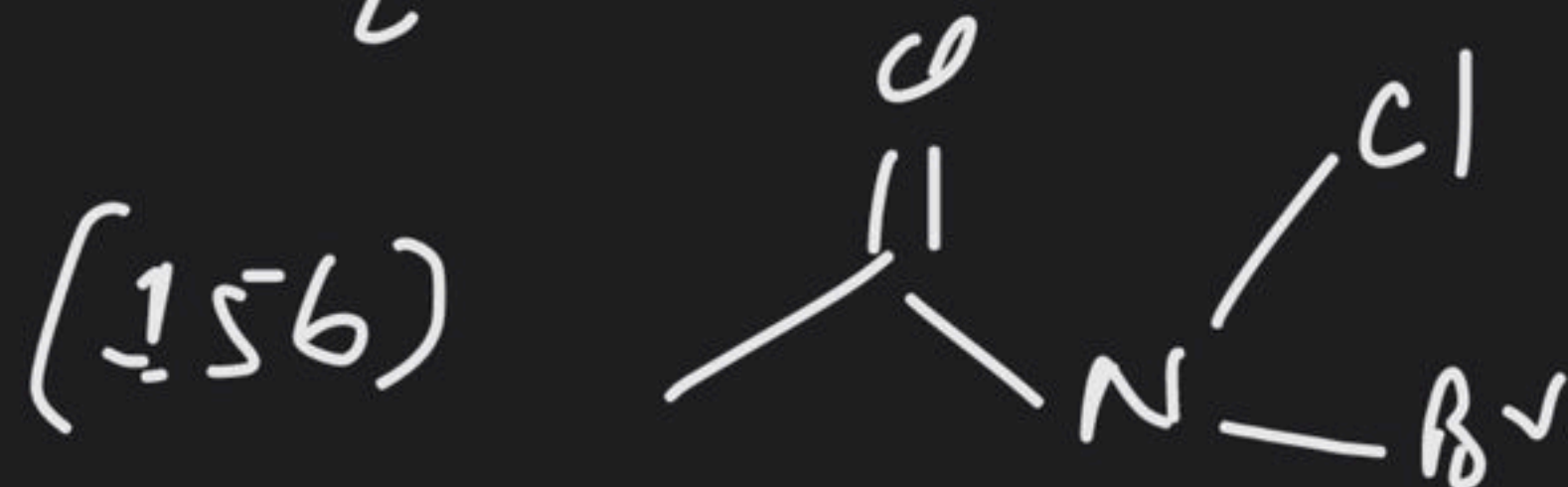
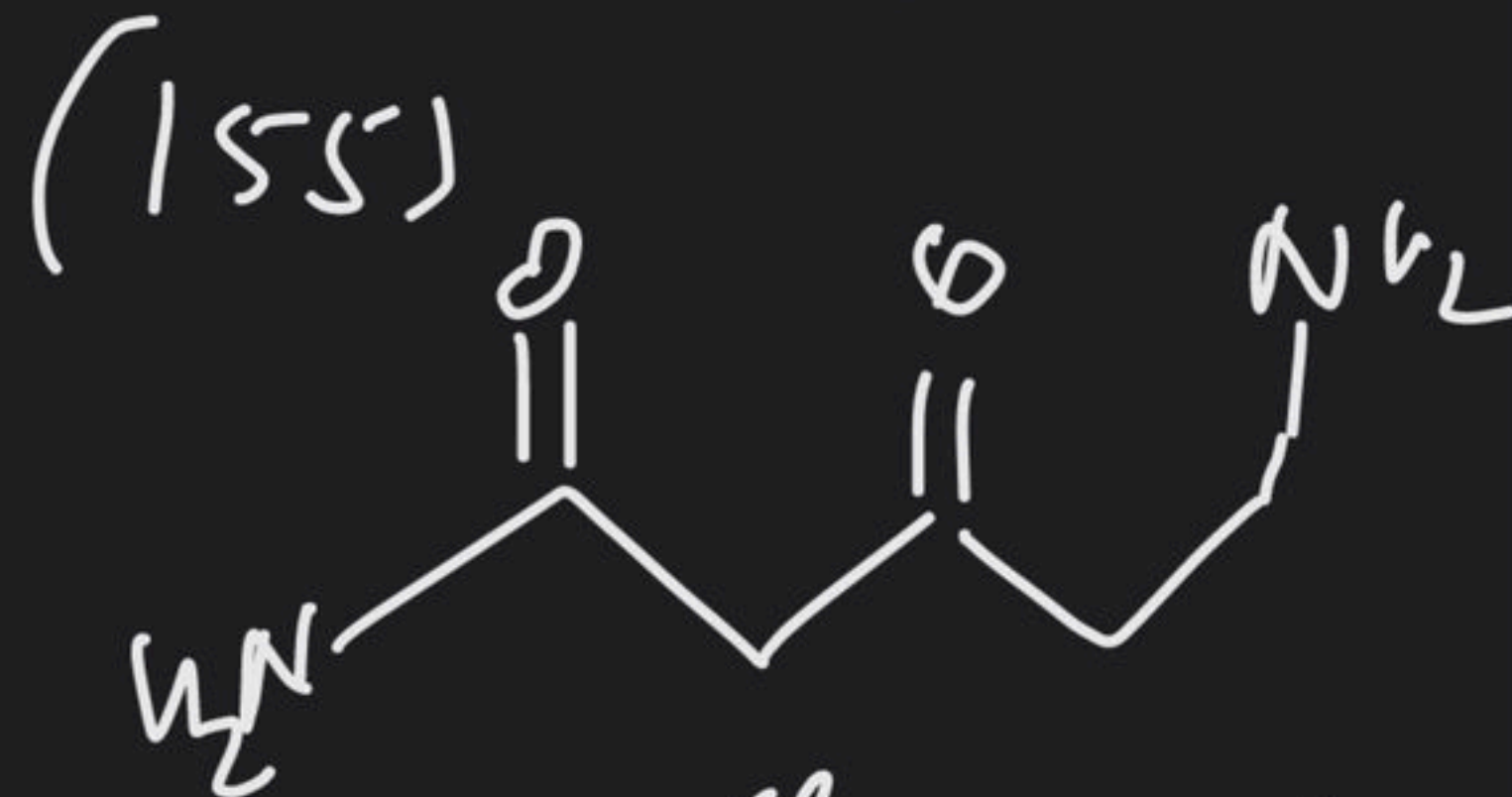
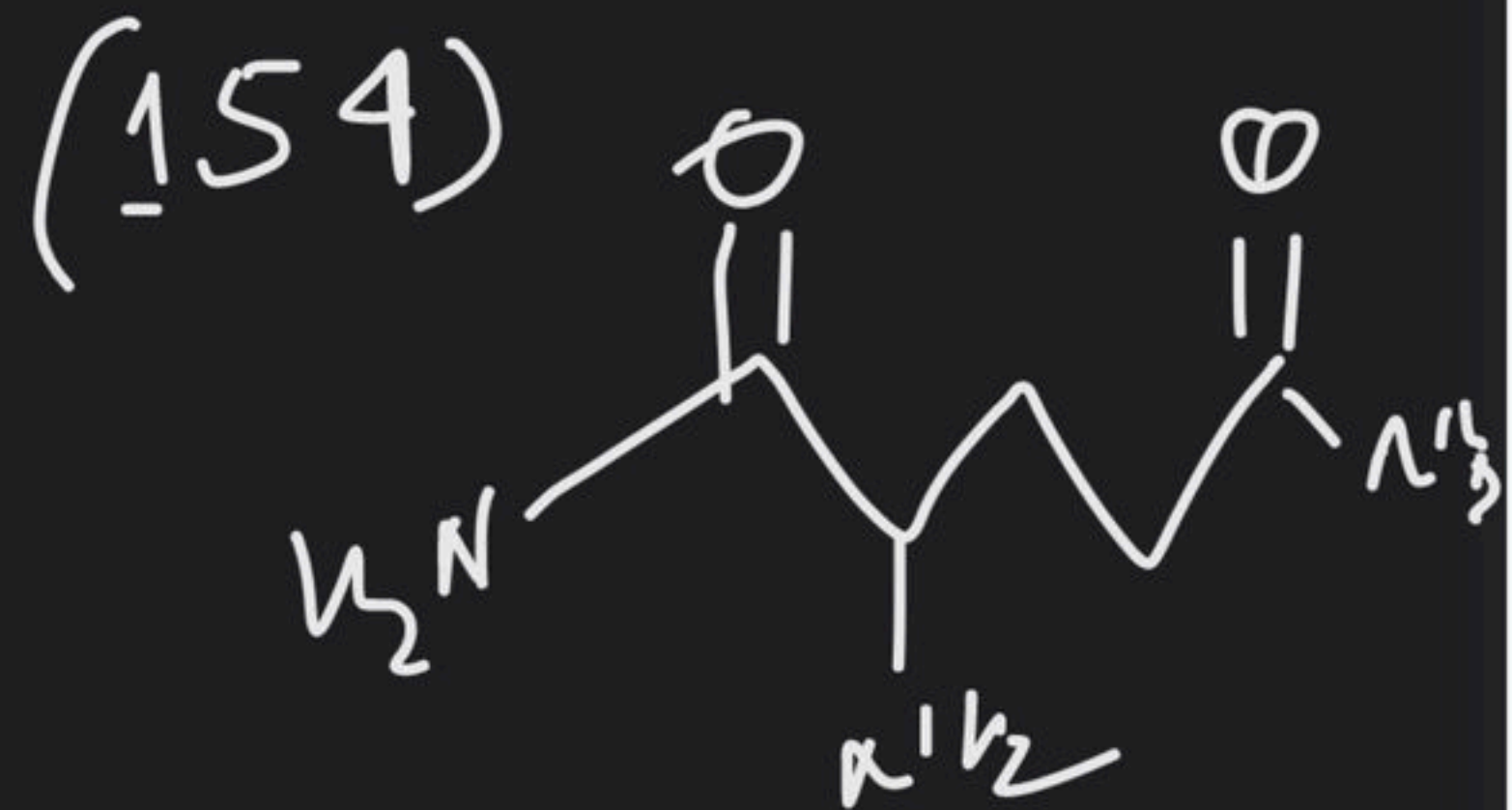
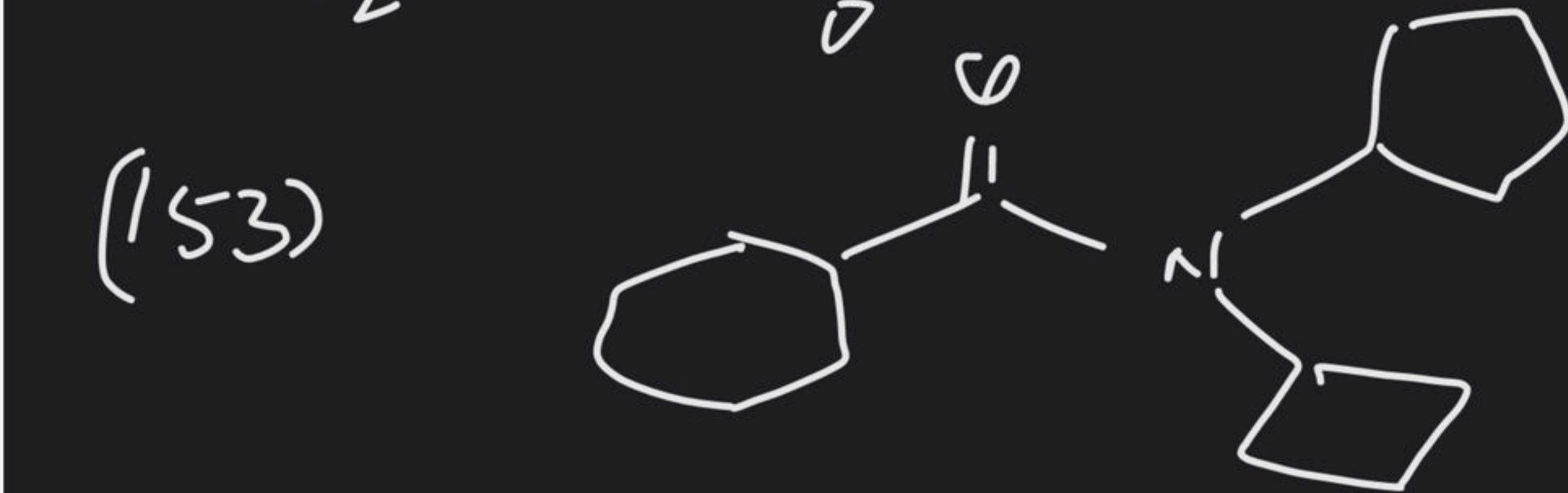
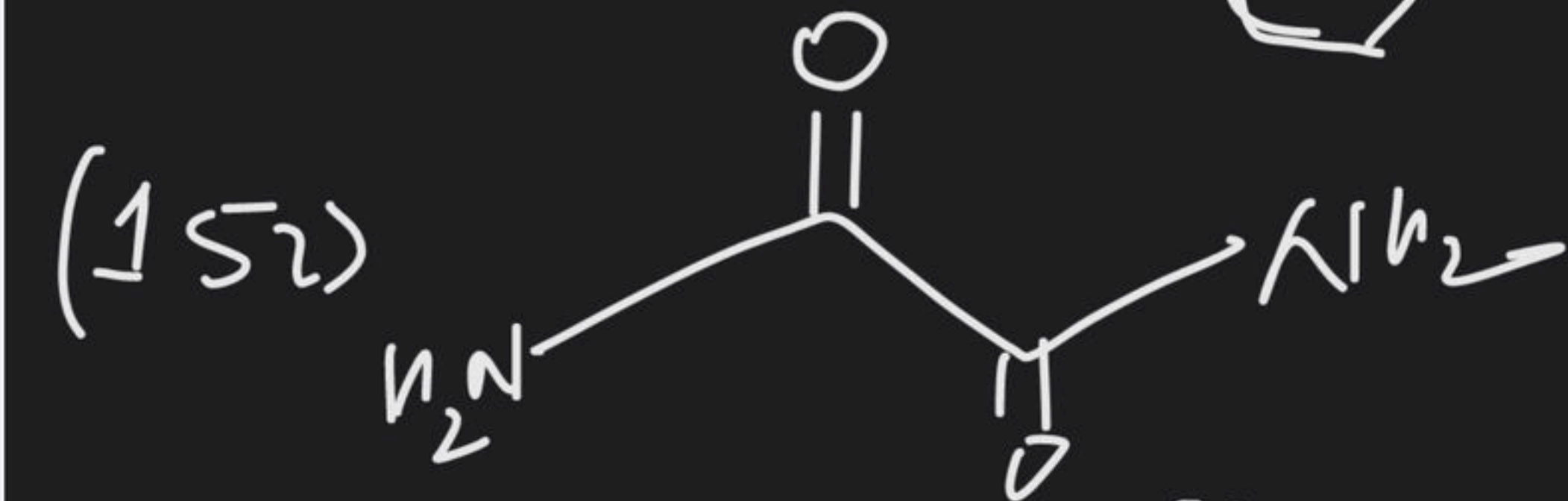
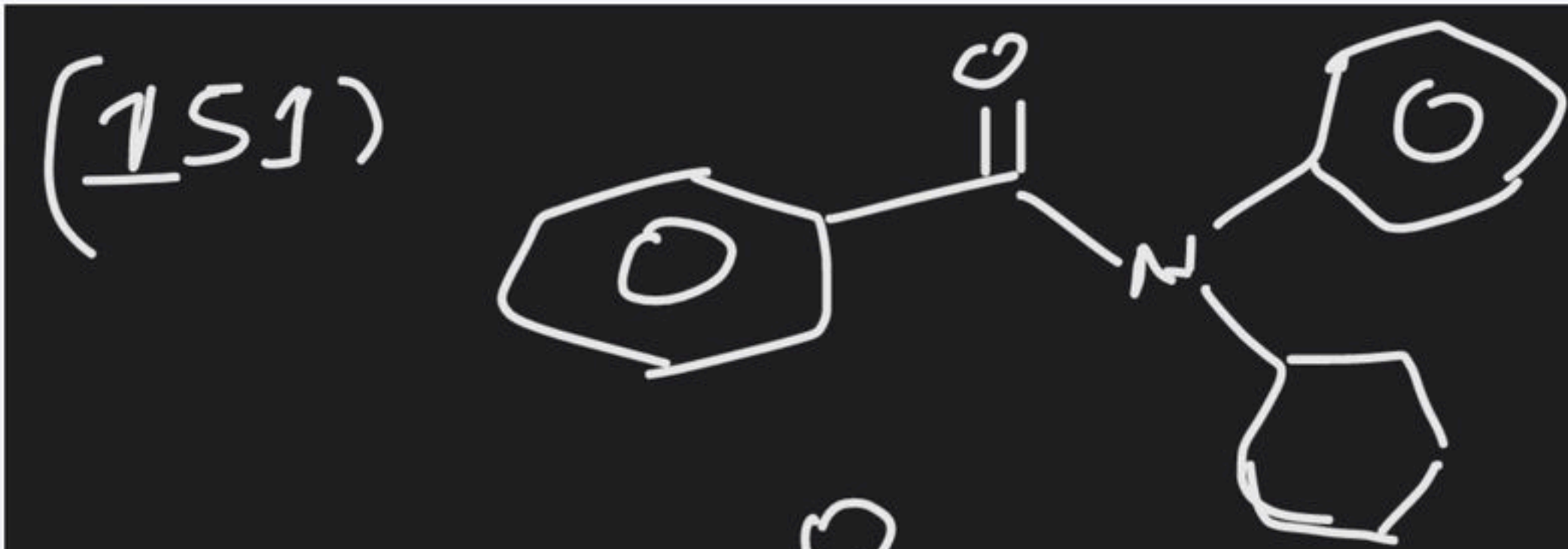
Di methyl formamide



N,N-Dimethyl methanamide

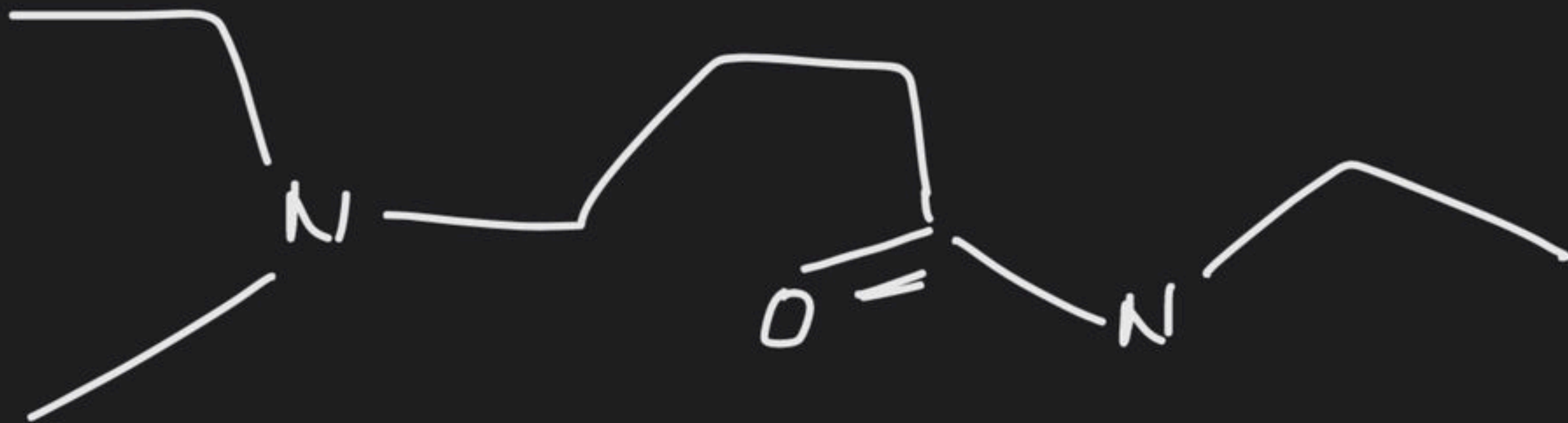
2,N - Di Bromo - 3 - chloro - 3 - Fluoro  
prop-2-enamide



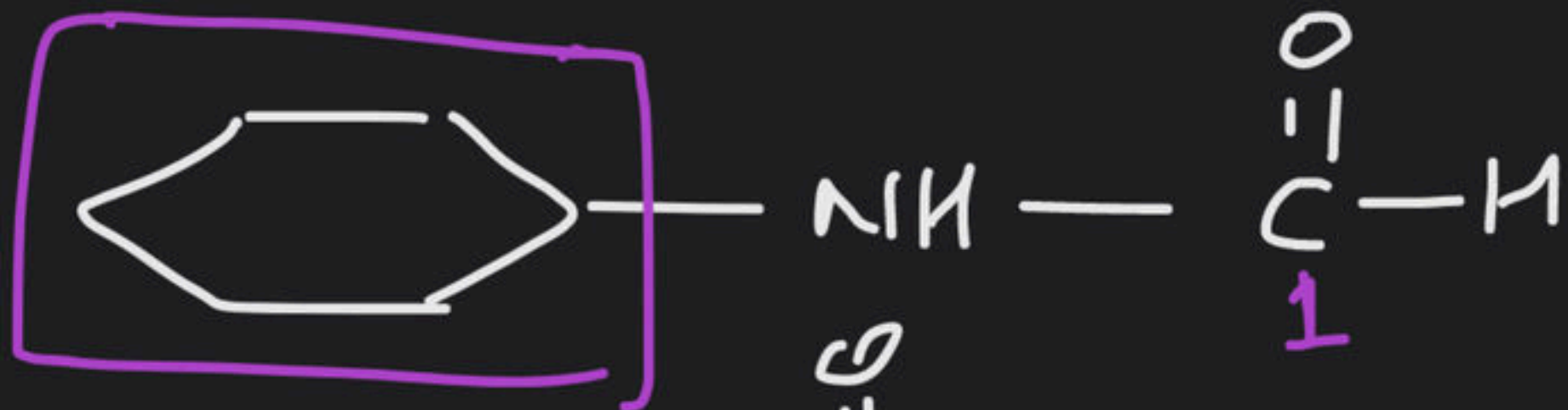




(157)

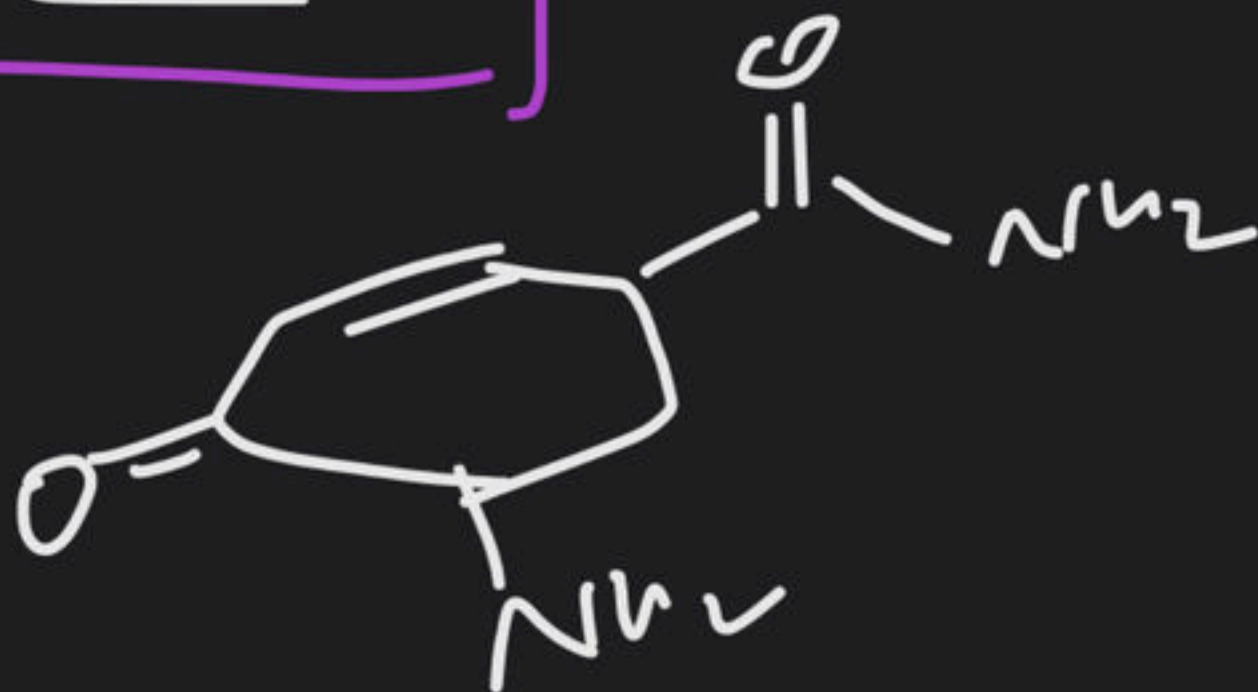


(158)

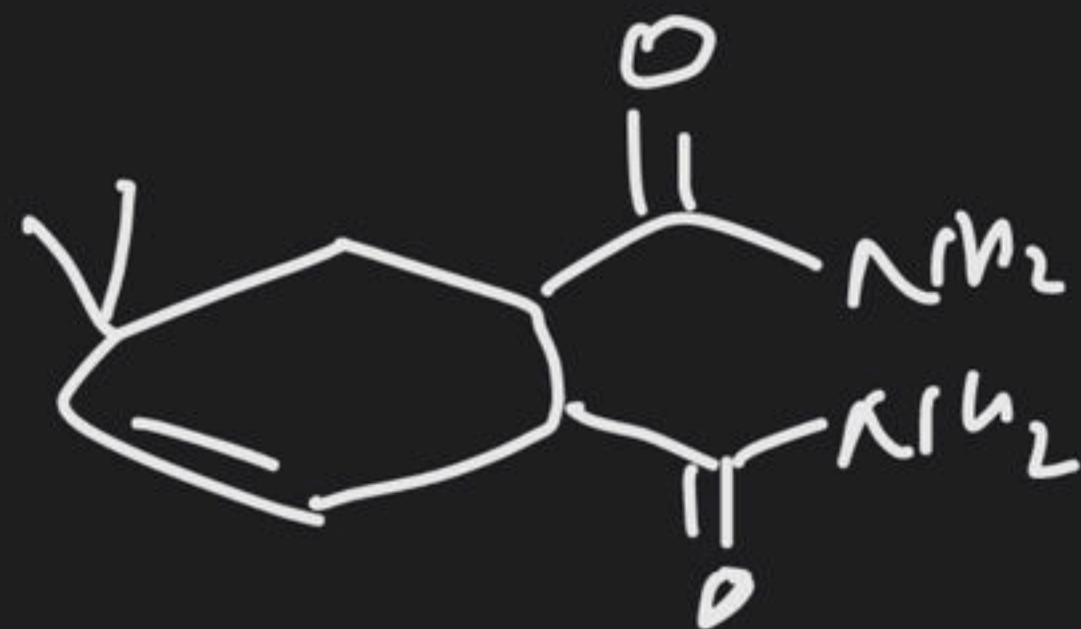


N-cyclohexyl  
methanamide

(159)



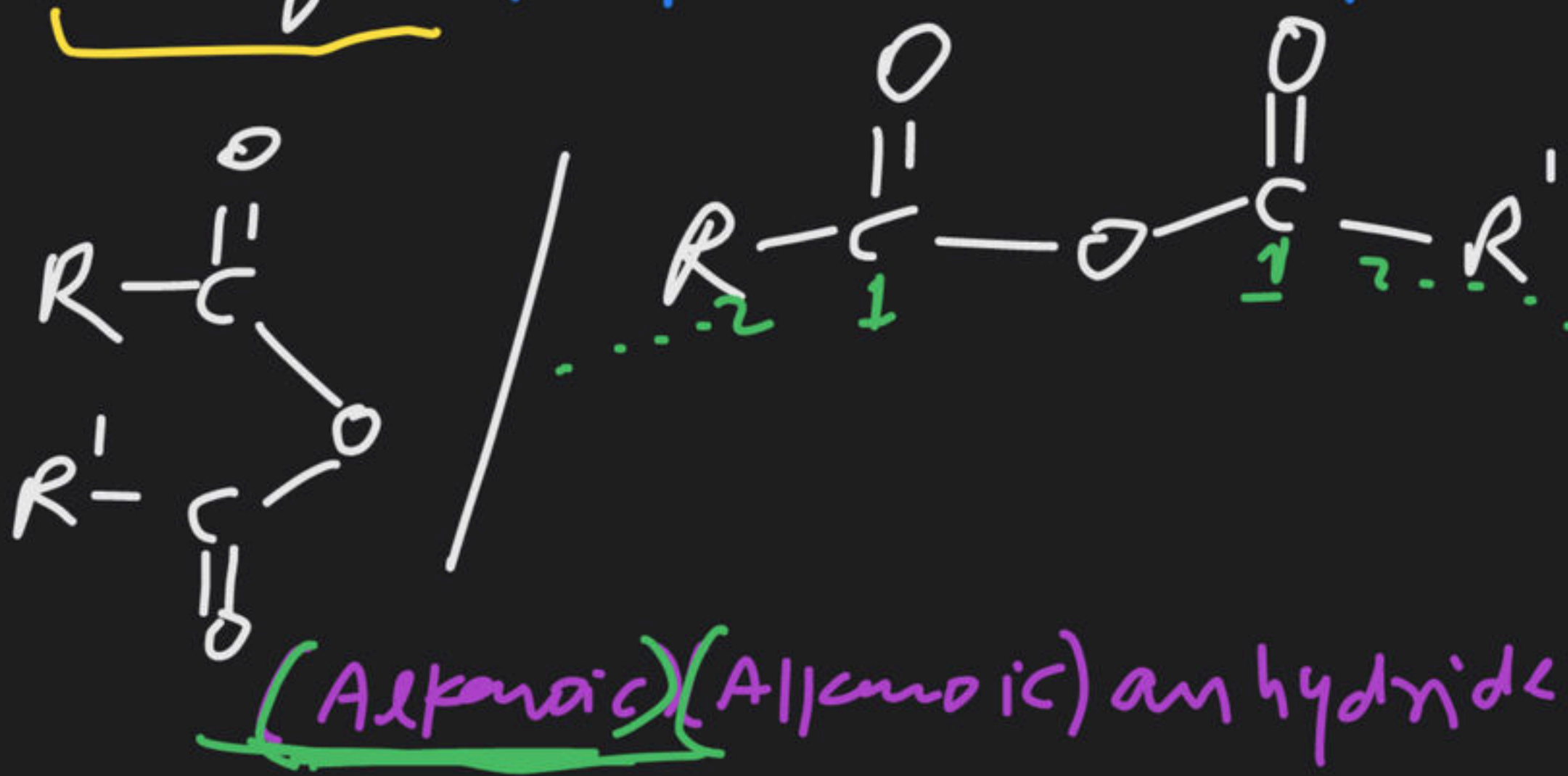
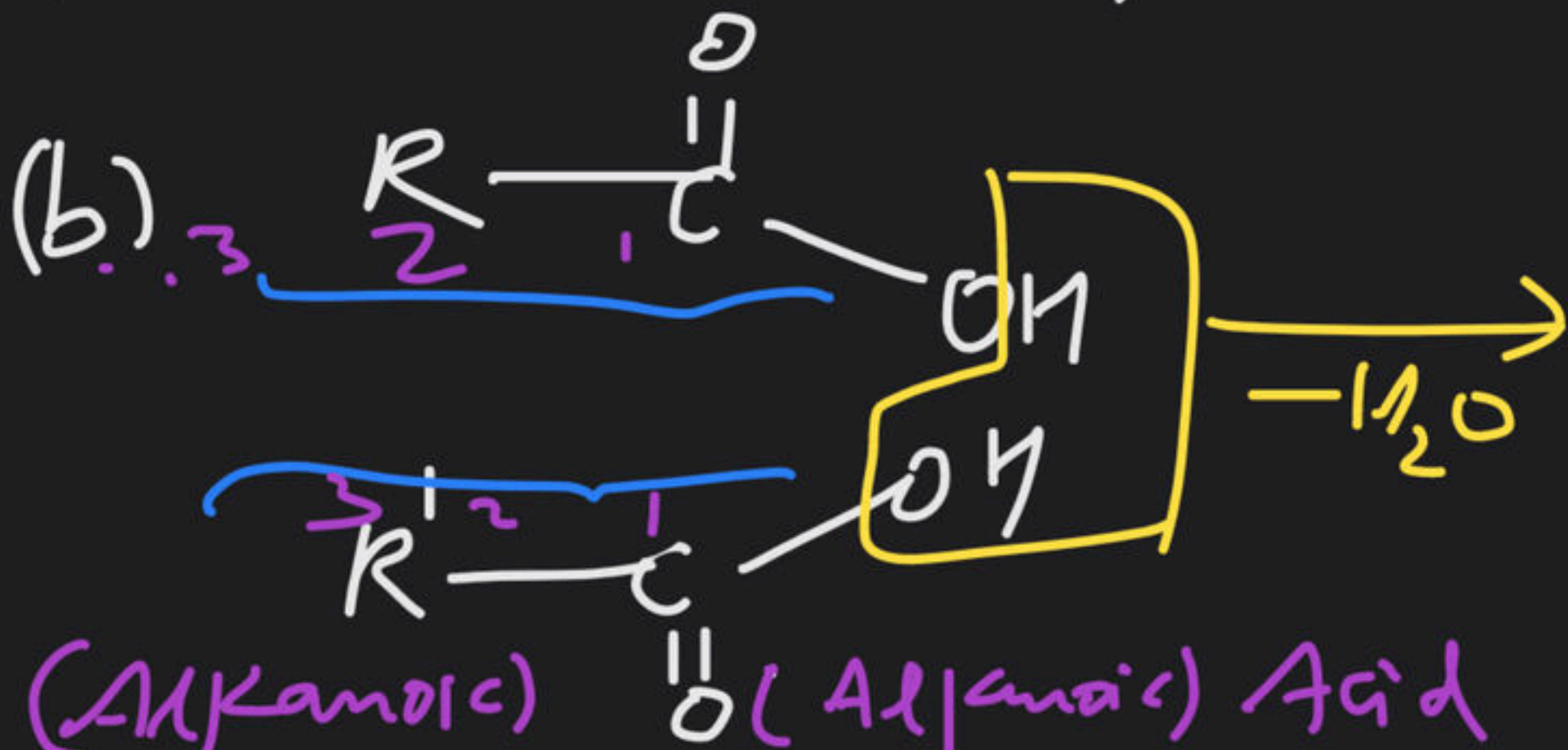
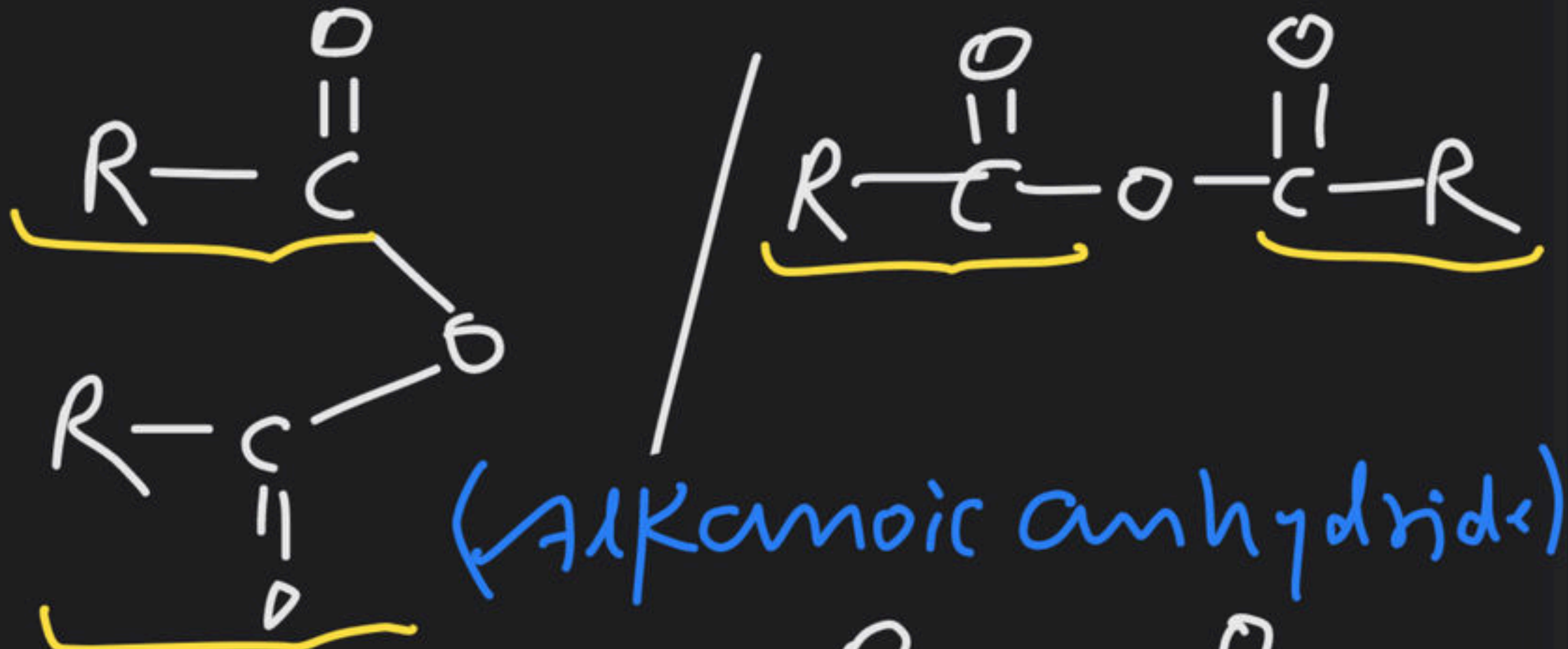
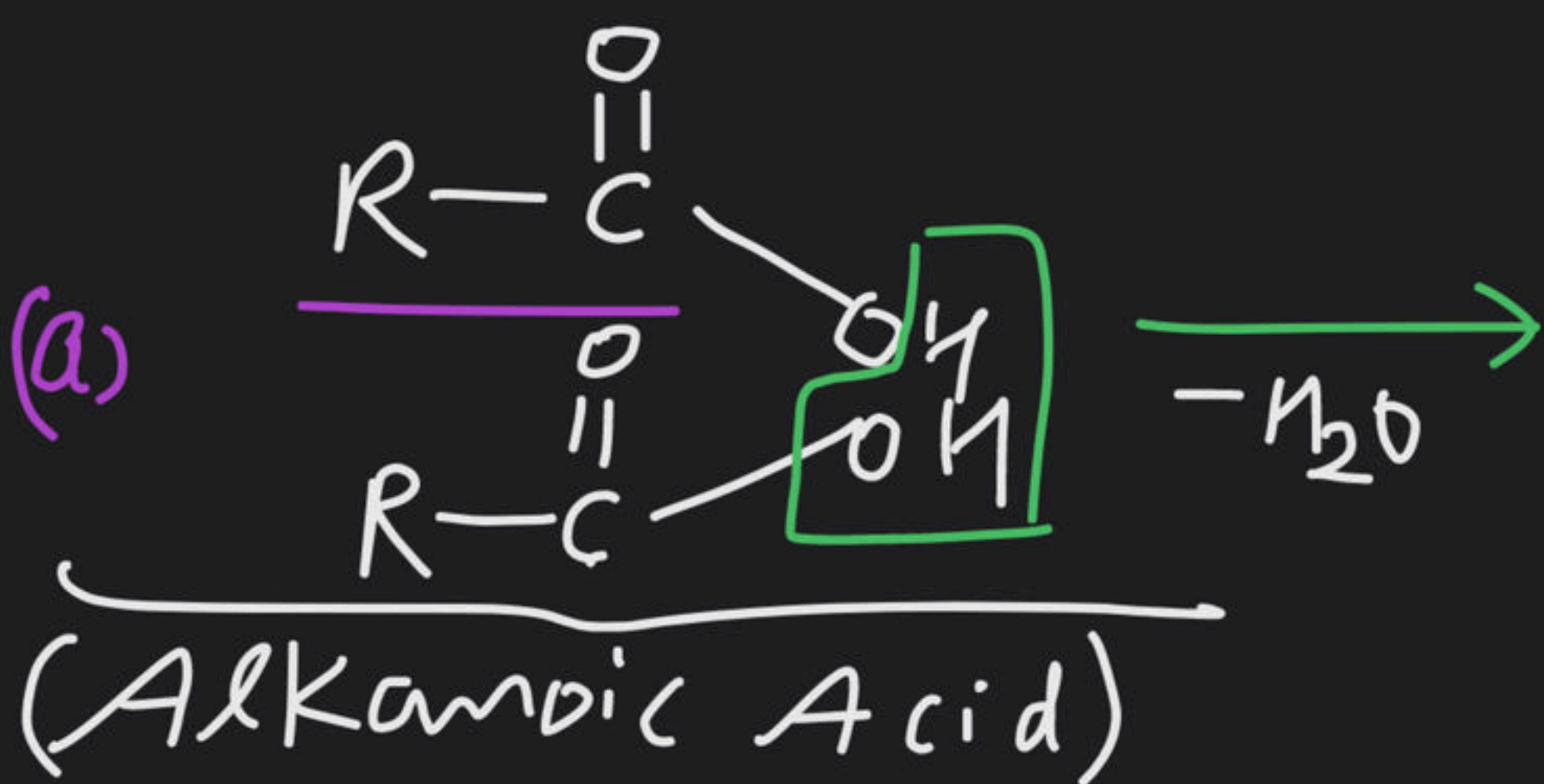
(160)





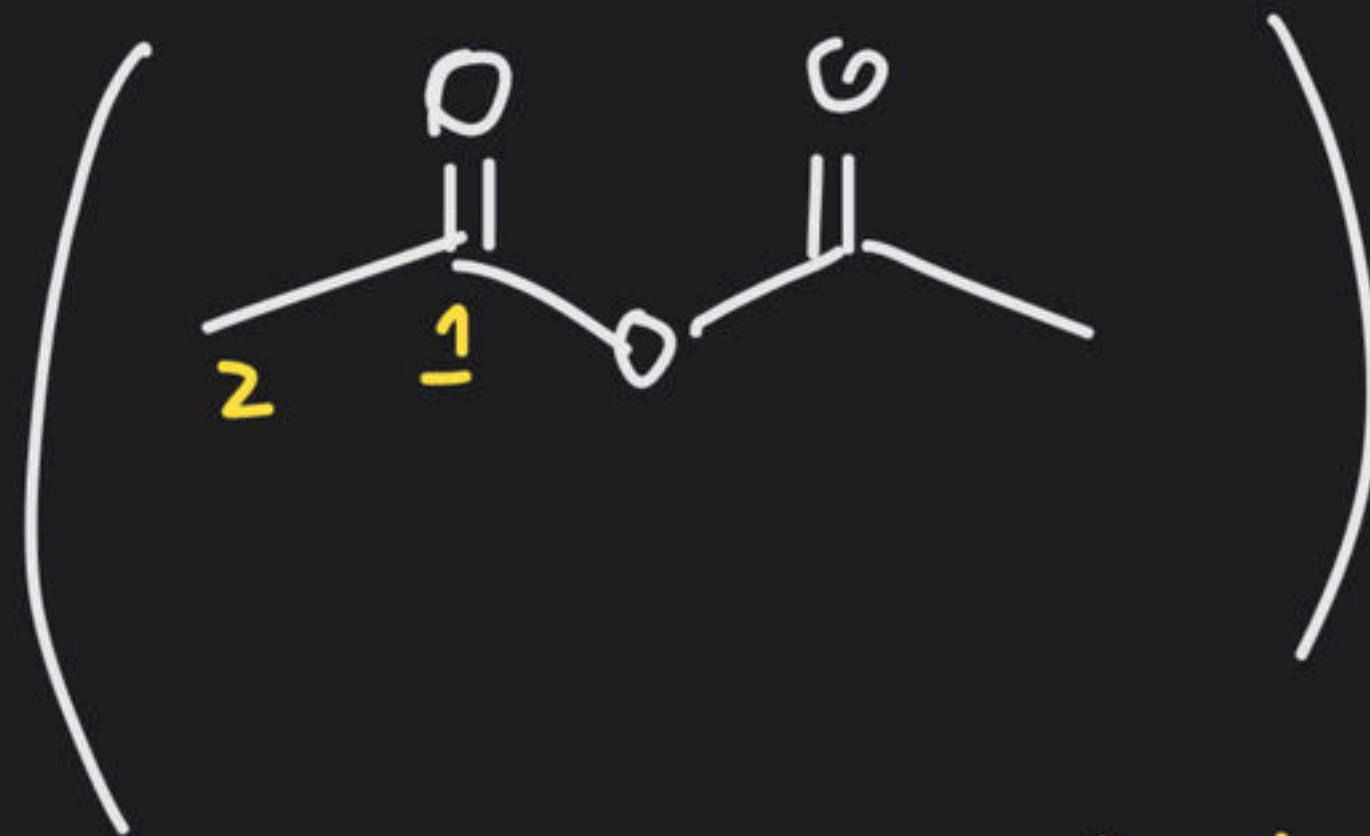
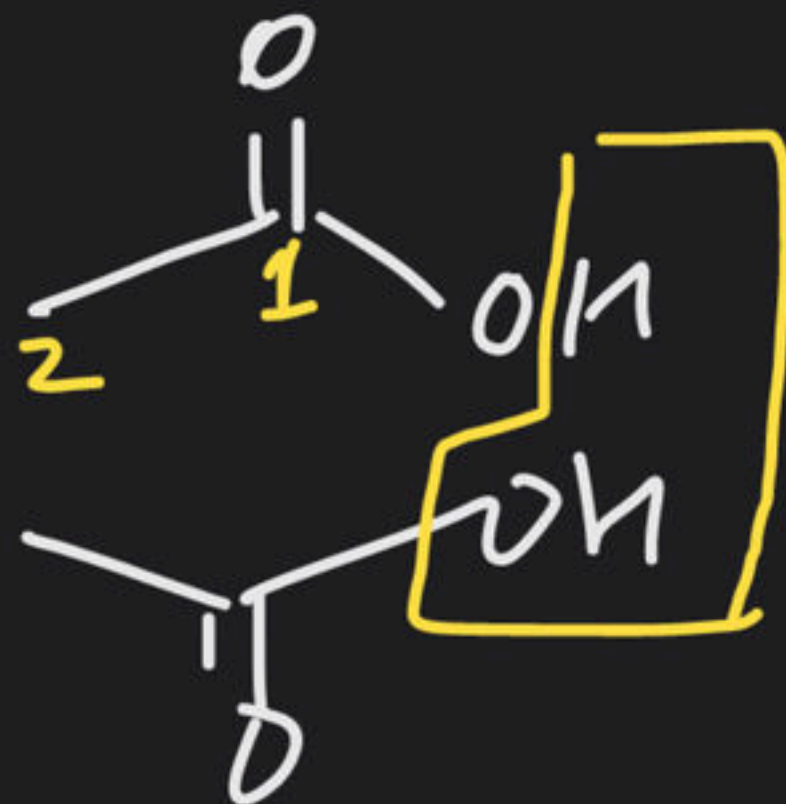
# Acid-Anhydride

(Acid Anhydride)





(161)

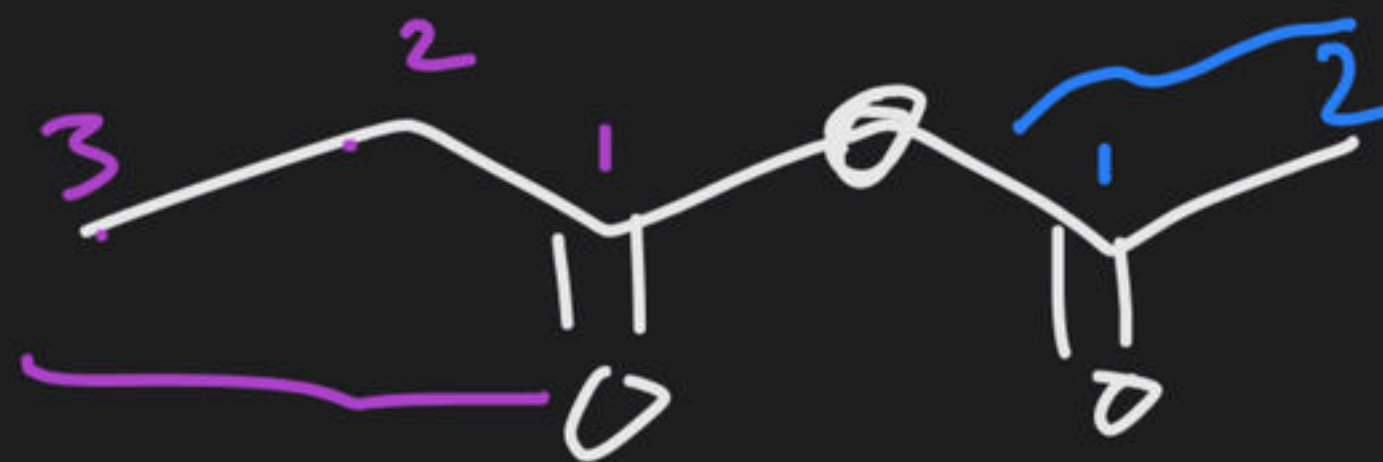
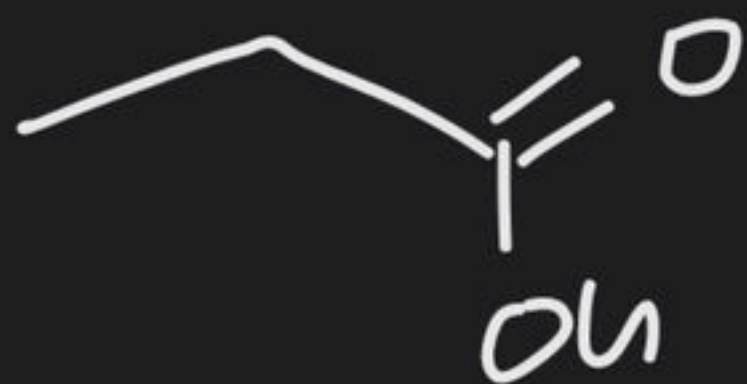


thru

Ethanoic Acid

Ethanoic Anhydride

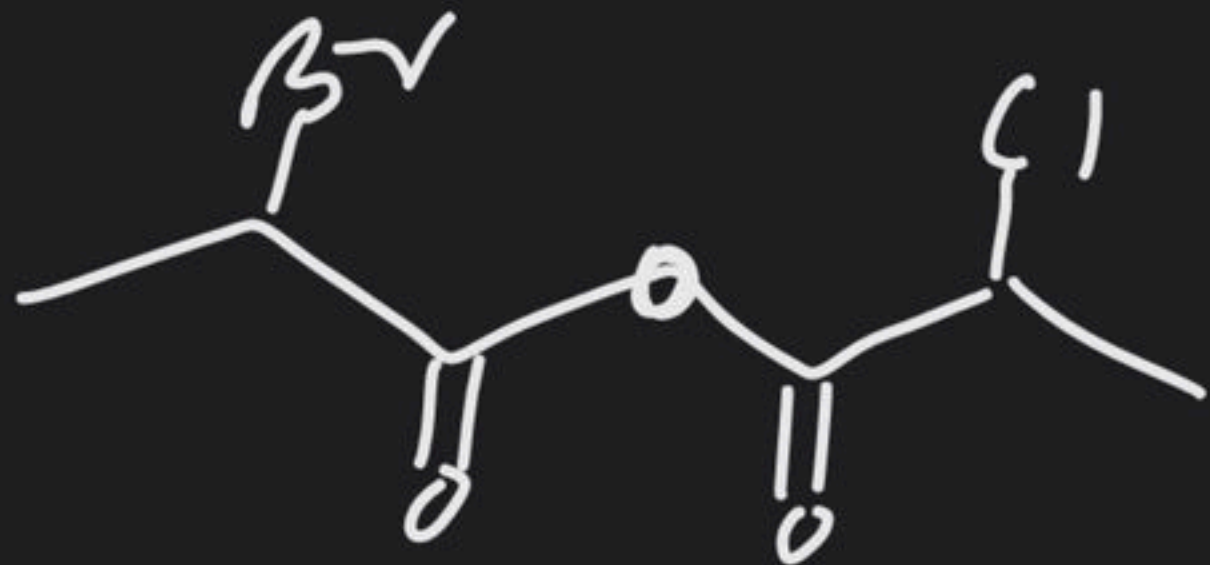
(162)



((Ethanoic)(Propanoic) anhydride)



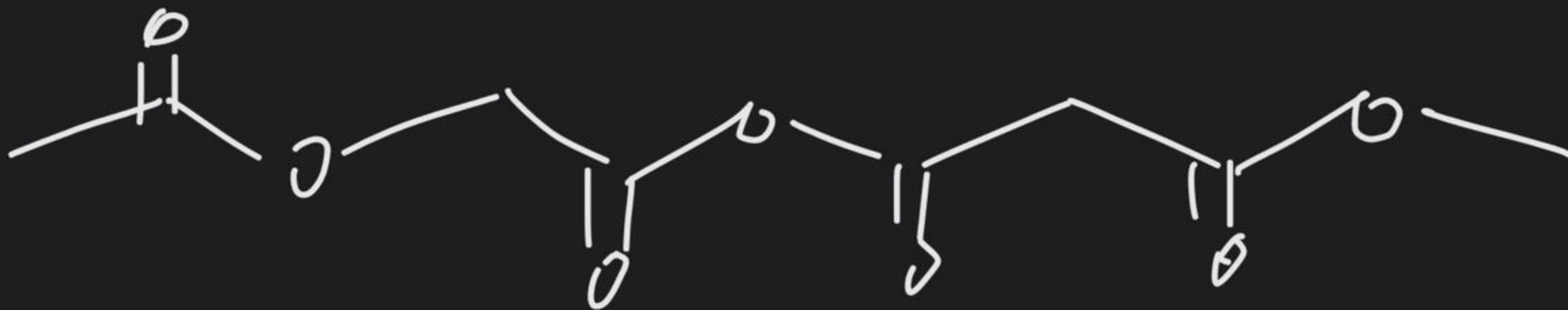
(163)



(164)

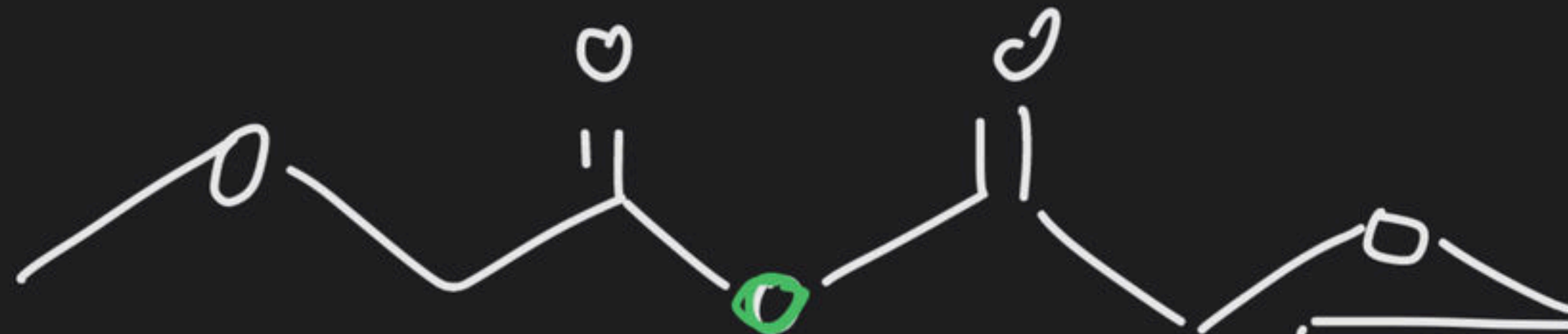


(165)

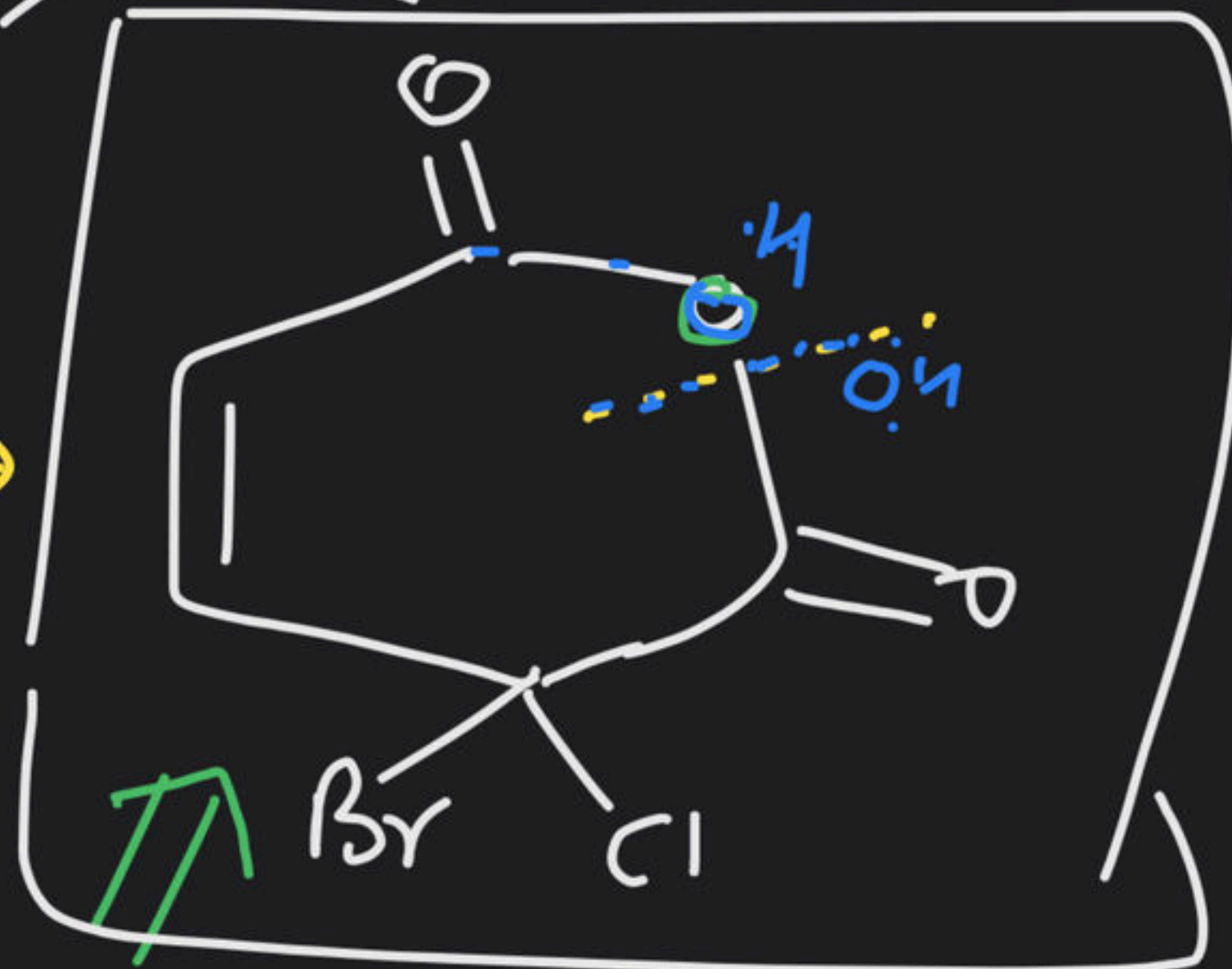
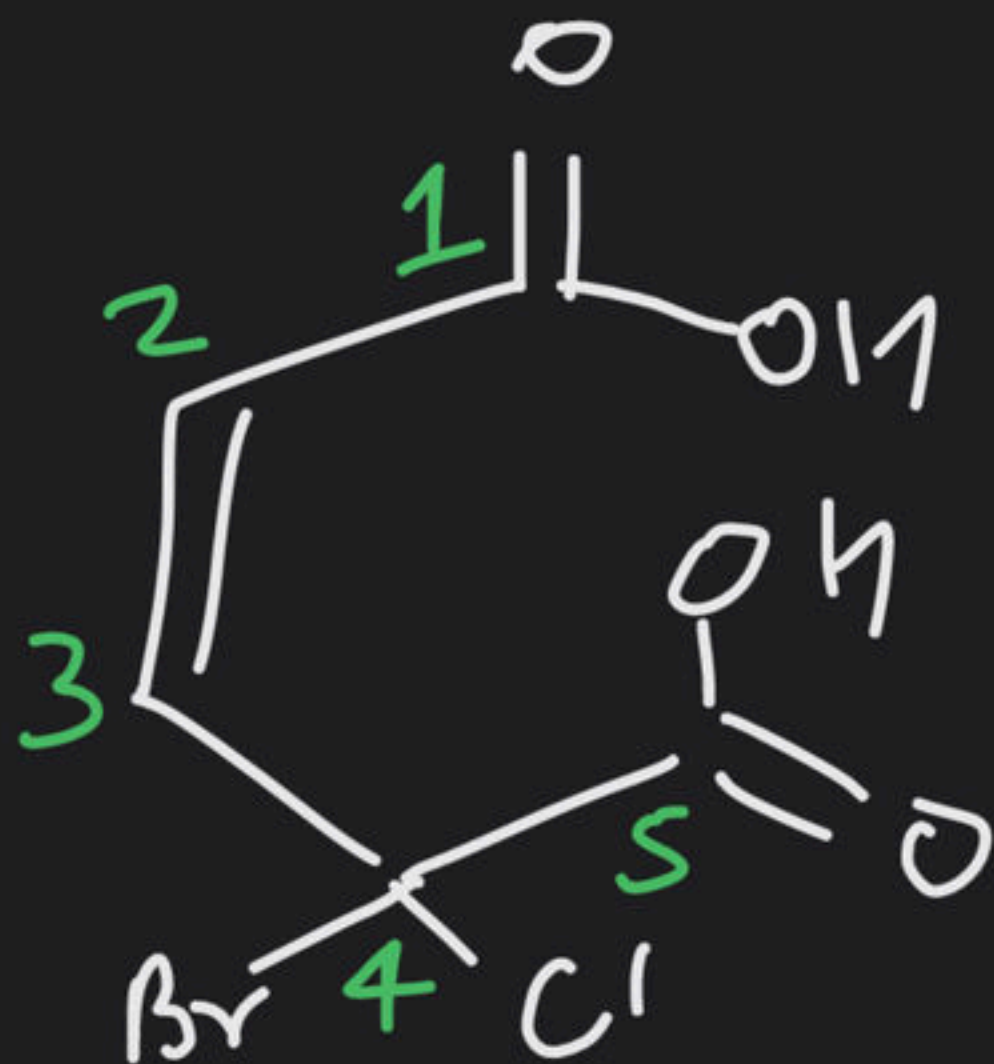




(166)



(167)

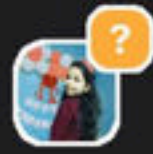


4-bromo-4-chloro

pent-2-enedioic acid

1° pref  
cyclo





## Question

from Shreya

A teacher is above than God, And you are really sir, Happy birthday to our one of the bestest teacher..I am very blessed that I taught by u.... thank u so much sir to make tha



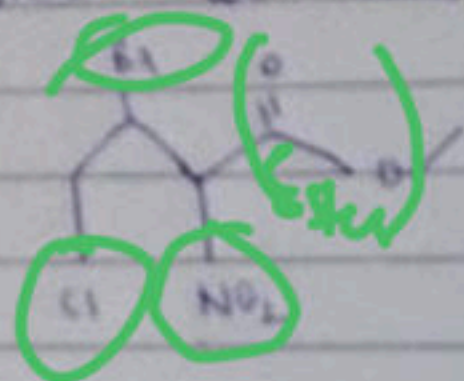




## Question

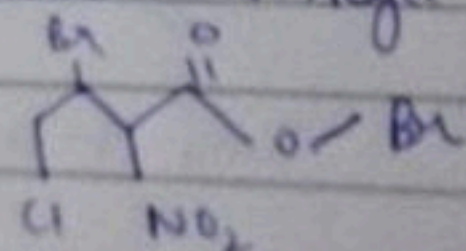
from Atharv

In Ester we take Alkyl first



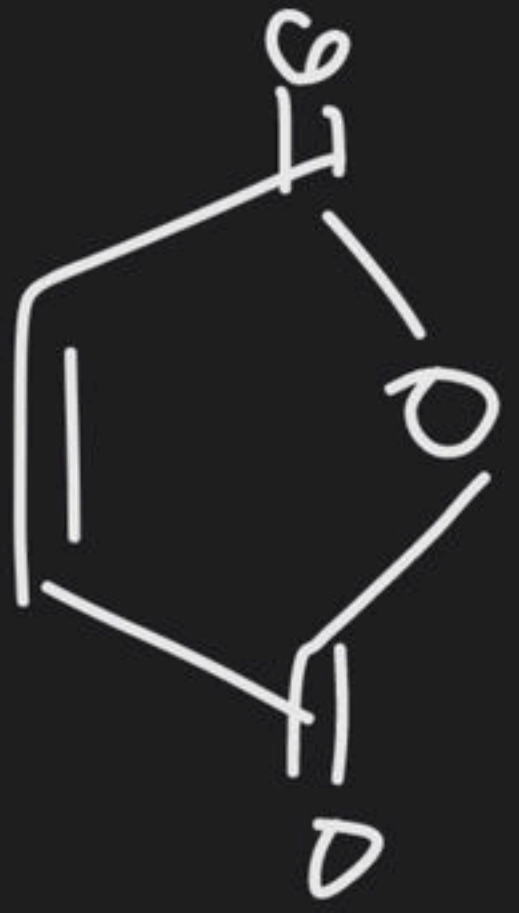
(i) why can't we take ~~Methoxy~~?

(ii) what if something is beside Alkyl

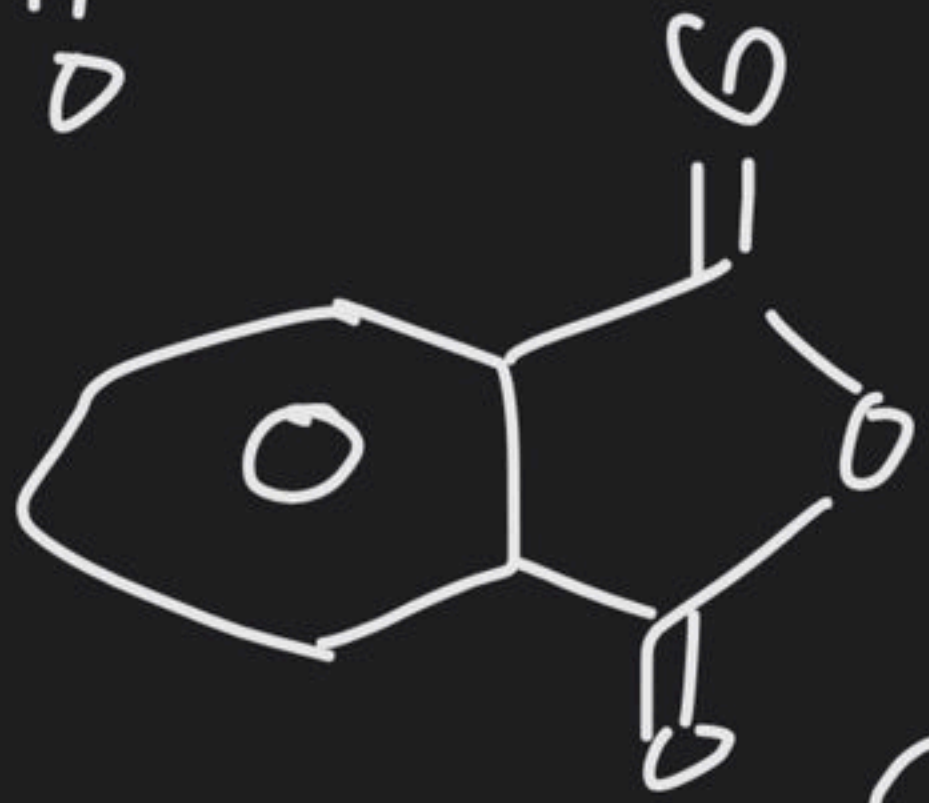




(168)



(169)



(170)

