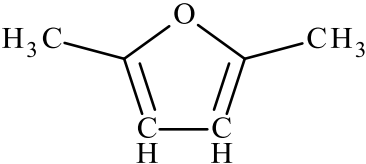
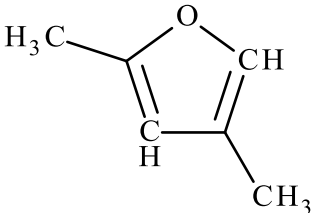
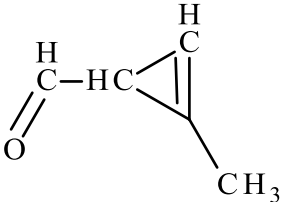
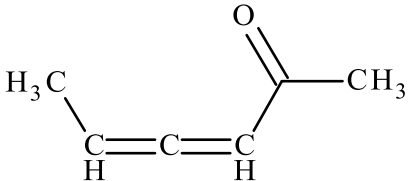
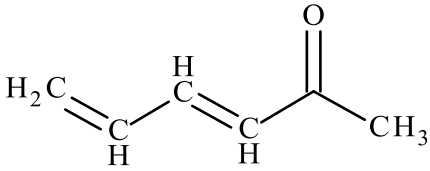
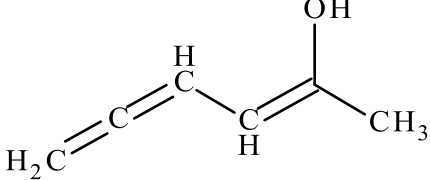
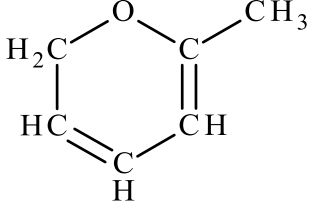
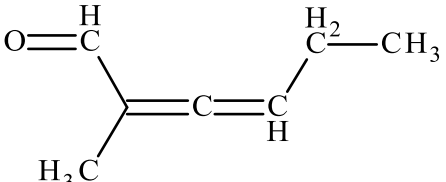
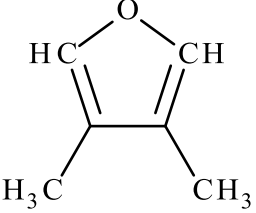
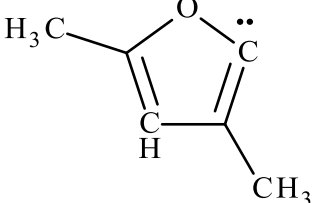
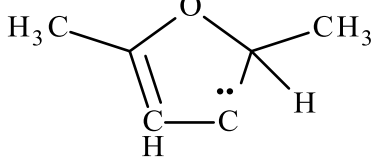
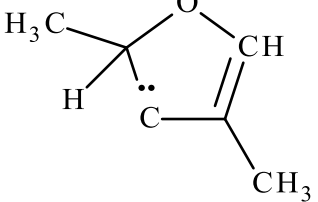
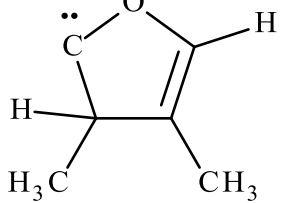
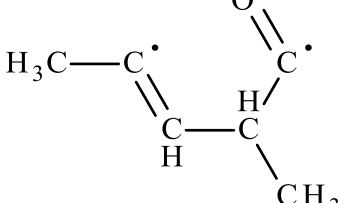
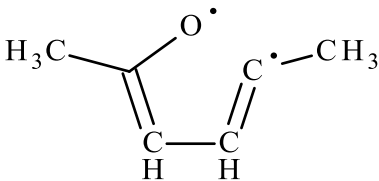
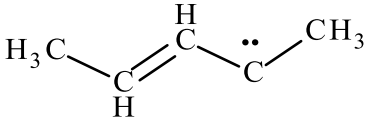
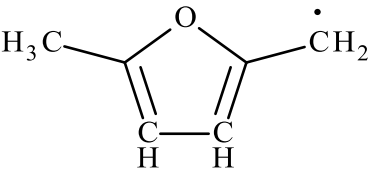
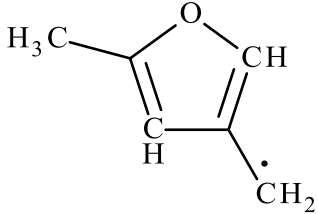
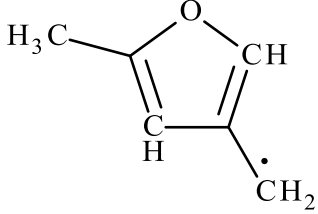
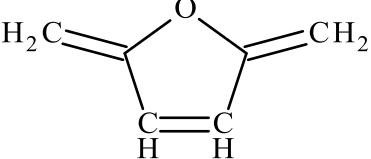
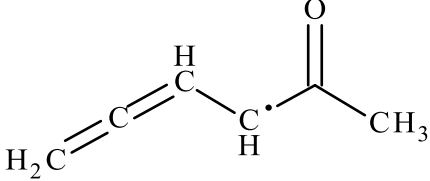
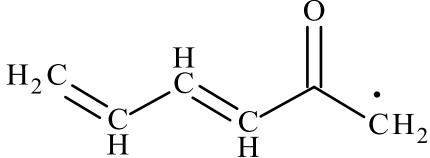
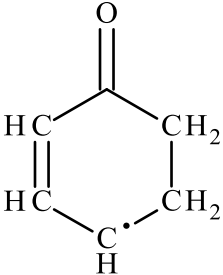
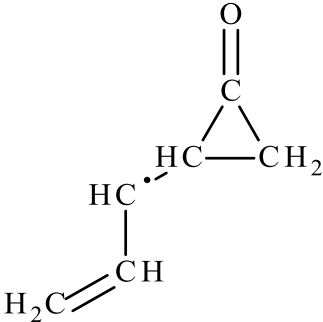
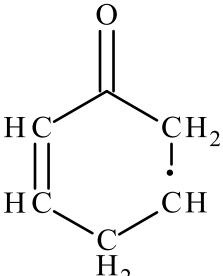
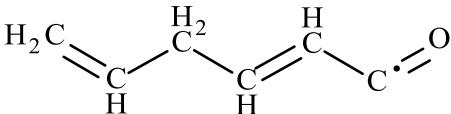
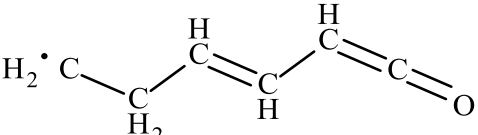
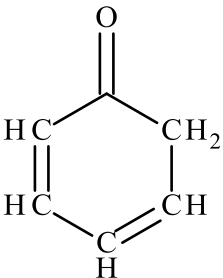


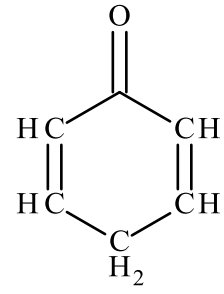
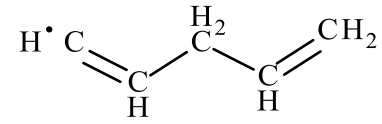
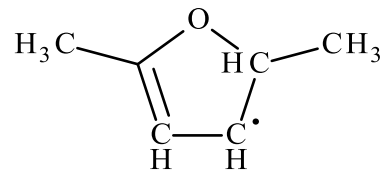
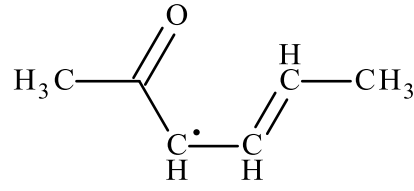
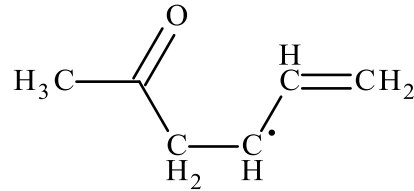
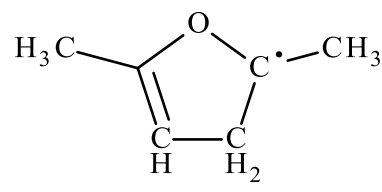
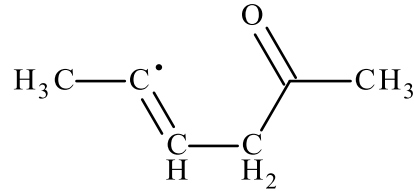
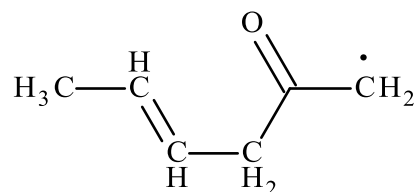
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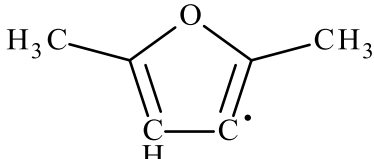
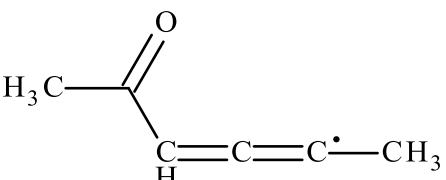
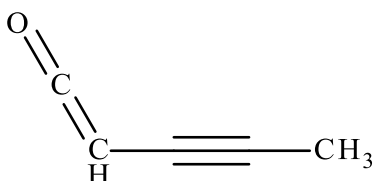
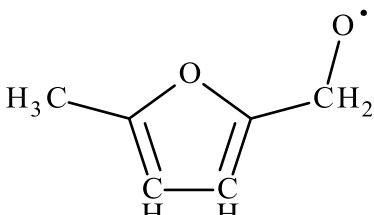
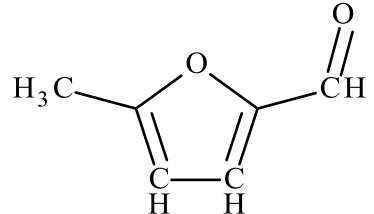
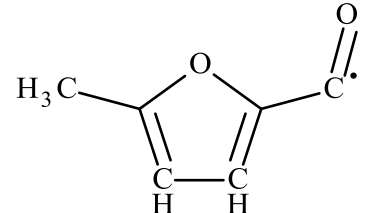
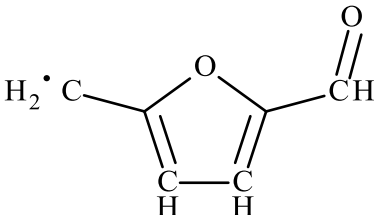
Mechanism Name	Structure
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dmf24	
cc31m2cho	
h34de2o <i>In text: 3,4-hexadiene-2-one</i>	
h35de2o	
h245te2oh	
pyran1m2h	

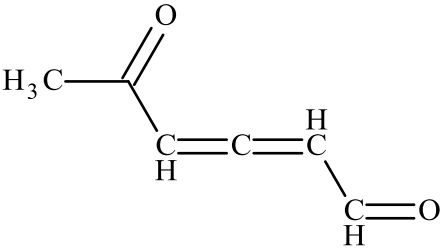
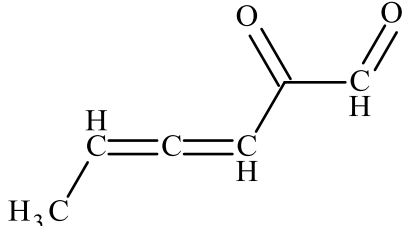
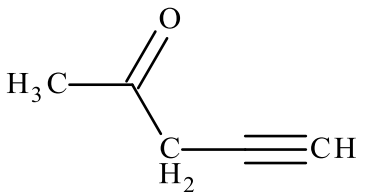
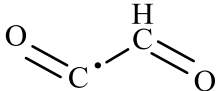
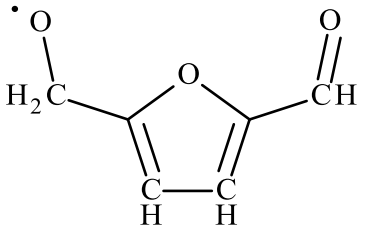
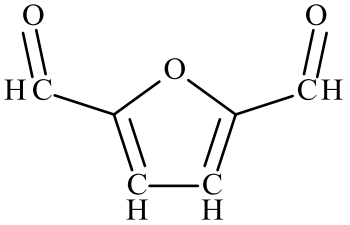
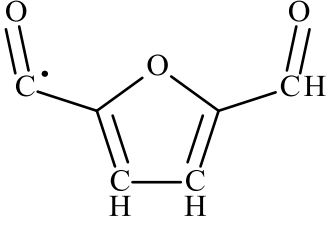
p23de1o2m	 <p>Chemical structure of 2-methylbut-2-ene: <chem>CC(=C)C</chem></p>
dmf34	 <p>Chemical structure of 2,5-dimethylisoxazole: <chem>CC1=CN(C)O1</chem></p>
dmf25acar	 <p>Chemical structure of 2,5-dimethylisoxazole with lone pairs on oxygen and nitrogen: <chem>CC1=CN(C)O1</chem></p>
dmf25bcar	 <p>Chemical structure of 2,5-dimethylisoxazole with lone pairs on oxygen and nitrogen, and a methyl group on the nitrogen: <chem>CC1(C)N(C)O1</chem></p>
dmf24bcar	 <p>Chemical structure of 2,5-dimethylisoxazole with lone pairs on oxygen and nitrogen, and a methyl group on the oxygen: <chem>CC1=CN(C)OC1</chem></p>
dmf34acar	 <p>Chemical structure of 2,5-dimethylisoxazole with lone pairs on oxygen and nitrogen, and a hydrogen atom on the oxygen: <chem>CC1=CN(C)O1</chem></p>
dmf25opb1	 <p>Chemical structure of 2,5-dimethylisoxazole with radical dots on the oxygen and nitrogen atoms: <chem>CC1=CN(C)O1</chem></p>

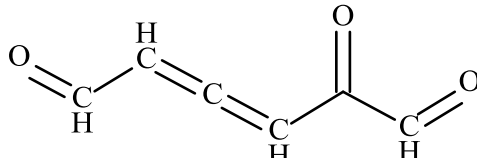
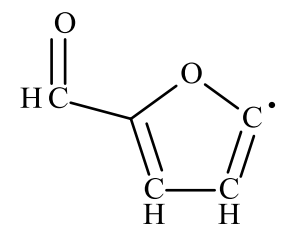
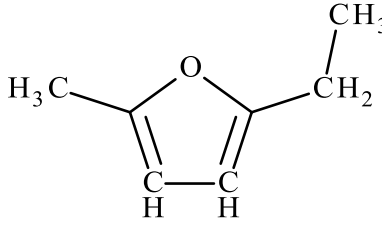
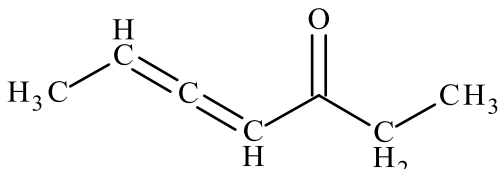
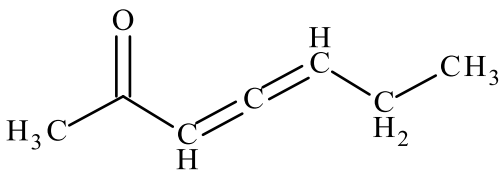
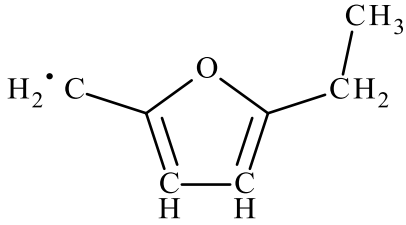
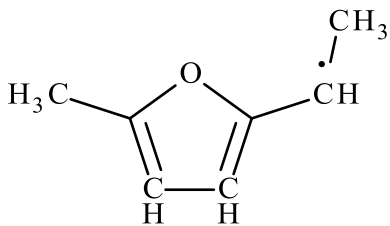
dmf25opb2	
p2e4car	
dmf252j <i>In text: 5-methyl-2-furanyl-methyl Or 25DMF2R</i>	
dmf242j	
dmf244j	
dmf25ch2	
h45de2o3j <i>In text: 4,5-hexadiene-2-one-3-yl</i>	
h35de2o1j <i>In text: 3,5-hexadiene-2-one-1-yl</i>	

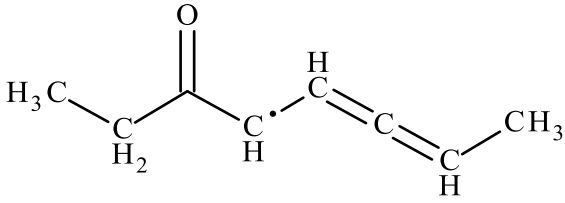
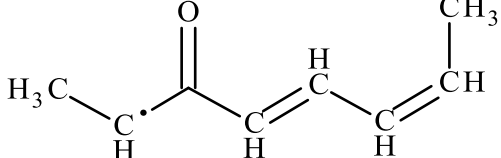
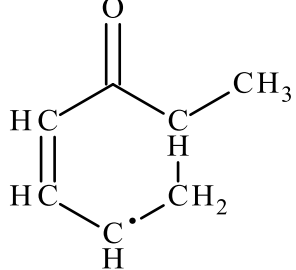
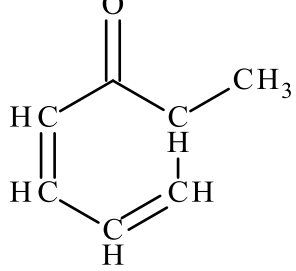
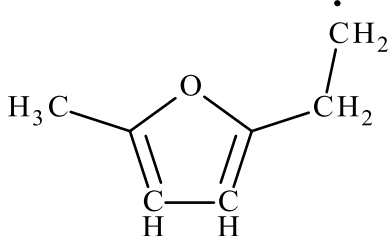
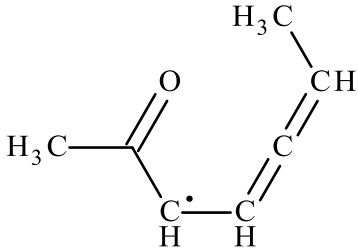
<p>che21o4j In text 2-cyclohexene-1-one-4-yl</p>	 <p>The structure shows a six-membered ring with a carbonyl group (=O) at the top. Moving clockwise from the carbonyl carbon: the next carbon is a CH group; the next is a CH₂ group with a radical dot on the carbon; the next is another CH₂ group; the next is a CH group; and the final carbon is a CH group double-bonded to the first CH group.</p>
<p>cpropc3h4-a</p>	 <p>The structure shows a cyclopropane ring with a carbonyl group (=O) on the top carbon. The right carbon of the ring is a CH₂ group with a radical dot on the carbon. The left carbon of the ring is a CH group with a radical dot on the carbon. This CH group is also bonded to a propyl chain: -CH₂-CH=CH₂.</p>
<p>che21o5j</p>	 <p>The structure shows a six-membered ring with a carbonyl group (=O) at the top. Moving clockwise from the carbonyl carbon: the next carbon is a CH group; the next is a CH₂ group with a radical dot on the carbon; the next is a CH group; the next is a CH₂ group; the next is a CH group; and the final carbon is a CH group double-bonded to the first CH group.</p>
<p>h25de1o1j</p>	 <p>The structure shows a linear chain of six carbons. From left to right: a CH₂ group double-bonded to a CH group; a CH₂ group; a CH group double-bonded to a CH group; and a terminal carbon double-bonded to an oxygen atom (C=O) with a radical dot on the carbon.</p>
<p>h13de1o6j</p>	 <p>The structure shows a linear chain of six carbons. From left to right: a CH₂ group with a radical dot on the carbon; a CH₂ group; a CH group double-bonded to a CH group; and a terminal carbon double-bonded to an oxygen atom (C=O) with a radical dot on the carbon.</p>
<p>chde241o In text: 2,4-cyclohexadiene-1-one</p>	 <p>The structure shows a six-membered ring with a carbonyl group (=O) at the top. Moving clockwise from the carbonyl carbon: the next carbon is a CH group; the next is a CH₂ group; the next is a CH group; the next is a CH group; the next is a CH group; and the final carbon is a CH group double-bonded to the first CH group.</p>

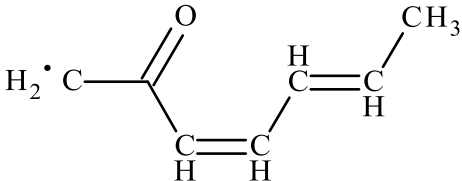
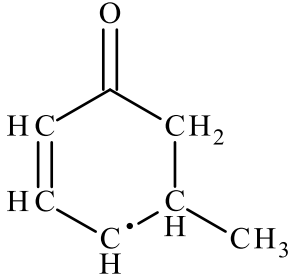
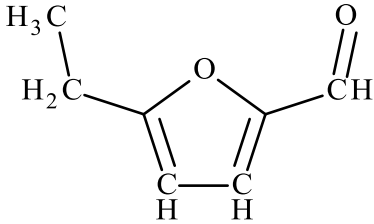
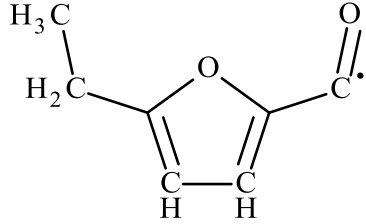
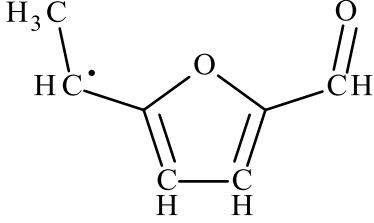
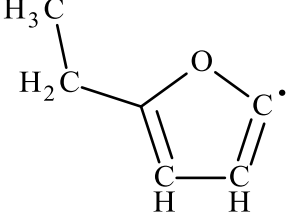
<p>chde251o In text: 2,5-cyclohexadiene-1-one</p>	 <p>Chemical structure of 2,5-cyclohexadiene-1-one, a six-membered ring with two double bonds and a carbonyl group.</p>
<p>p14de1j</p>	 <p>Chemical structure of 1,3-butadiene radical, showing a radical center on the terminal carbon of a diene system.</p>
<p>dmf252h3j</p>	 <p>Chemical structure of 2,5-dimethyl-2,5-dihydrofuran radical, a five-membered ring with an oxygen atom, two methyl groups, and a radical center on a ring carbon.</p>
<p>h4e2o3j</p>	 <p>Chemical structure of 2-methyl-2-butene radical, showing a radical center on the tertiary carbon of a branched alkene.</p>
<p>h5e2o4j</p>	 <p>Chemical structure of 2-methyl-2-pentene radical, showing a radical center on the tertiary carbon of a branched alkene.</p>
<p>dmf253h2j</p>	 <p>Chemical structure of 2,5-dimethyl-2,5-dihydrofuran radical, a five-membered ring with an oxygen atom, two methyl groups, and a radical center on a ring carbon.</p>
<p>h4e2o5j</p>	 <p>Chemical structure of 2-methyl-2-butene radical, showing a radical center on the tertiary carbon of a branched alkene.</p>
<p>h4e2o1j</p>	 <p>Chemical structure of 2-methyl-2-butene radical, showing a radical center on the tertiary carbon of a branched alkene.</p>

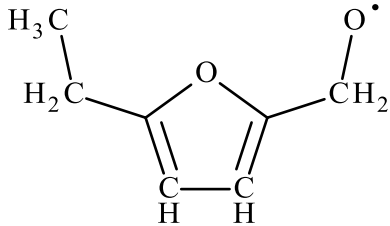
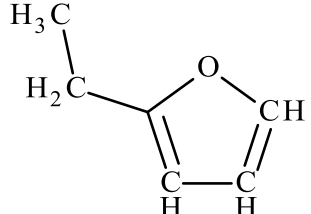
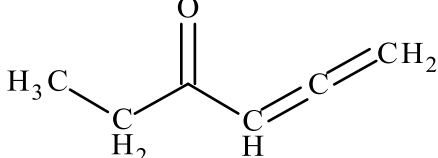
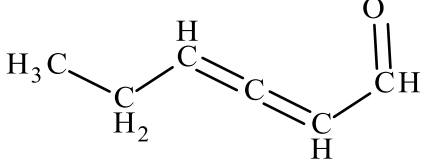
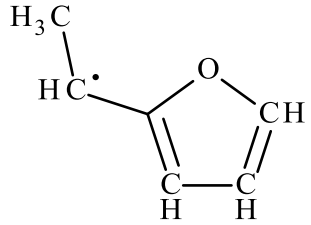
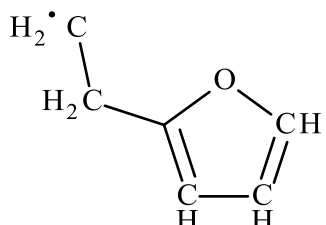
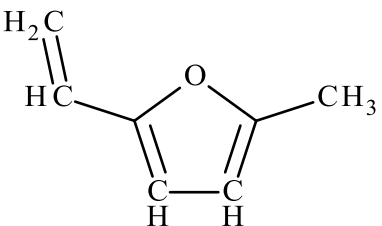
dmf253j	 <p>Chemical structure showing a five-membered ring with an oxygen atom at the top. The ring carbons are labeled with H and C. Two methyl groups (H₃C) are attached to the ring. A radical center (C•) is located at the 3-position of the ring.</p>
h34de2o4j	 <p>Chemical structure showing a four-carbon chain with a methyl group (H₃C) attached to the second carbon. The first carbon is part of a carbonyl group (C=O). The third carbon has a radical center (C•) and is bonded to a methyl group (CH₃). The second carbon is bonded to a hydrogen atom (H).</p>
p1e3y1o	 <p>Chemical structure showing a three-carbon chain. The first carbon is part of a carbonyl group (C=O). The second carbon is bonded to a hydrogen atom (H). The third carbon has a radical center (C•) and is bonded to a methyl group (CH₃).</p>
dmf252oj <i>In text: 5-methyl-2-furylmethanoxy</i>	 <p>Chemical structure showing a five-membered ring with an oxygen atom at the top. The ring carbons are labeled with H and C. Two methyl groups (H₃C) are attached to the ring. A methoxy group (-CH₂O•) is attached to the 2-position of the ring.</p>
mf25cho <i>In text: 5-methyl-2-formylfuran</i>	 <p>Chemical structure showing a five-membered ring with an oxygen atom at the top. The ring carbons are labeled with H and C. Two methyl groups (H₃C) are attached to the ring. A formyl group (-CHO) is attached to the 2-position of the ring.</p>
mf25cjo	 <p>Chemical structure showing a five-membered ring with an oxygen atom at the top. The ring carbons are labeled with H and C. Two methyl groups (H₃C) are attached to the ring. A formyl group (-C•=O) is attached to the 2-position of the ring.</p>
mf2j5cho	 <p>Chemical structure showing a five-membered ring with an oxygen atom at the top. The ring carbons are labeled with H and C. Two methyl groups (H₂•C and -CHO) are attached to the ring.</p>

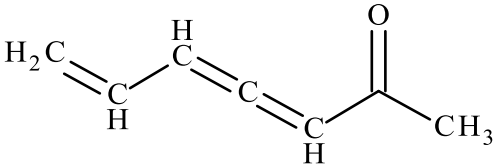
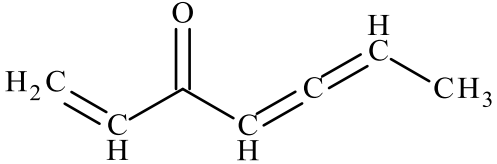
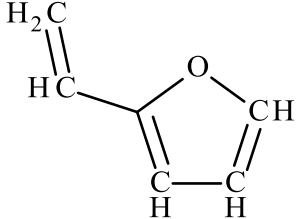
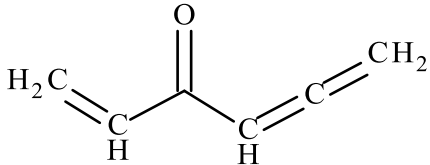
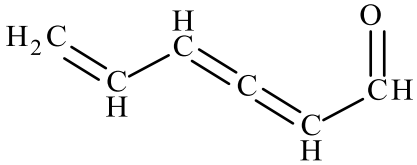
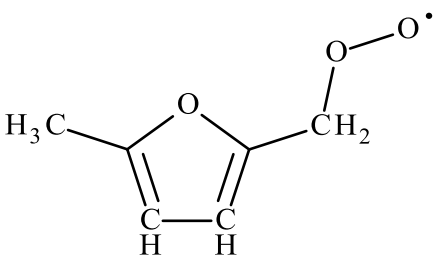
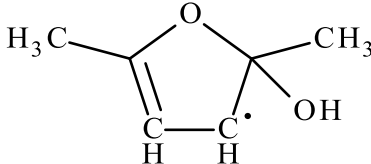
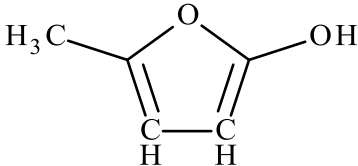
h34de26o	 <p>Chemical structure of 2-methylacrylaldehyde (CH₃-CH=C-CHO).</p>
h34de21o	 <p>Chemical structure of 2-methylacrylaldehyde (CH₃-CH=C-CHO).</p>
p4y2o	 <p>Chemical structure of 2-methylacrylaldehyde (CH₃-CH=C-CHO).</p>
o*ccj*o	 <p>Chemical structure of 2-methylacrylaldehyde (CH₃-CH=C-CHO).</p>
hmf5oj	 <p>Chemical structure of 2,5-diformylfuran (furan ring with formyl groups at positions 2 and 5).</p>
dcho25f <i>In text: 2,5-diformylfuran</i>	 <p>Chemical structure of 2,5-diformylfuran (furan ring with formyl groups at positions 2 and 5).</p>
dchof2j	 <p>Chemical structure of 2,5-diformylfuran (furan ring with formyl groups at positions 2 and 5).</p>

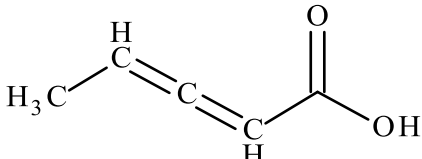
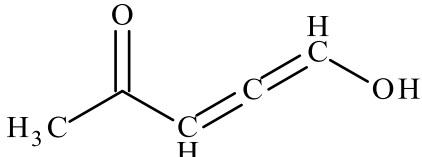
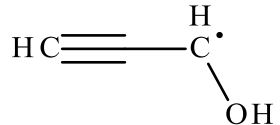
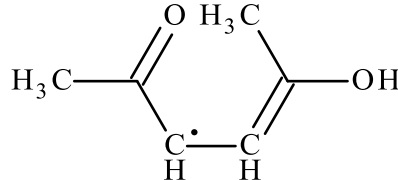
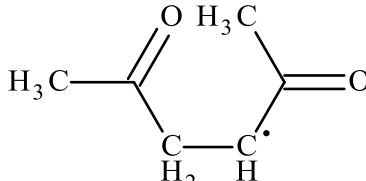
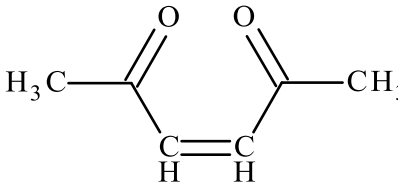
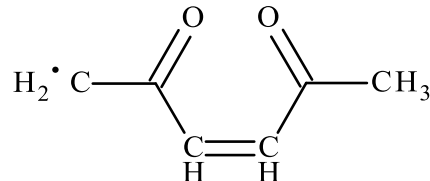
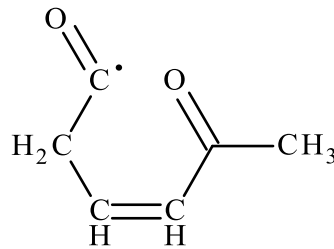
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m25jef-a	

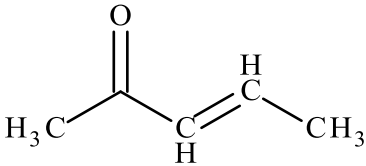
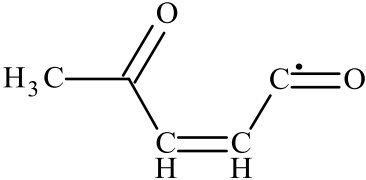
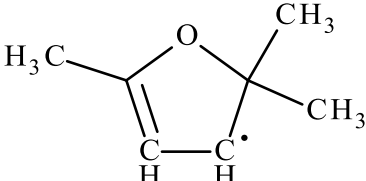
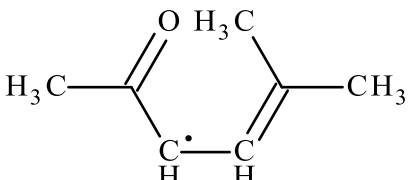
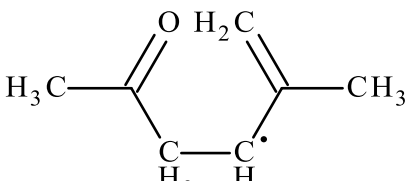
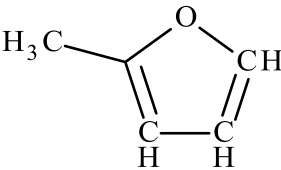
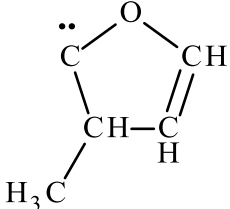
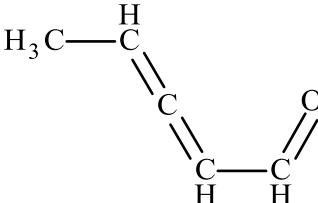
hpt56de3o4j	 <p>Chemical structure showing a radical on the alpha carbon of 2-methylbut-3-enal. The radical is located on the carbon atom adjacent to the carbonyl group, with a hydrogen atom explicitly shown. The structure is $\text{H}_3\text{C}-\text{CH}_2-\text{C}(=\text{O})-\dot{\text{C}}\text{H}-\text{CH}=\text{C}(\text{H})-\text{CH}_3$.</p>
hpt46de3o2j	 <p>Chemical structure showing a radical on the alpha carbon of 2-methylbut-2-enal. The radical is located on the carbon atom adjacent to the carbonyl group, with a hydrogen atom explicitly shown. The structure is $\text{H}_3\text{C}-\dot{\text{C}}\text{H}-\text{C}(=\text{O})-\text{CH}=\text{C}(\text{H})-\text{CH}(\text{CH}_3)_2$.</p>
che21o4j6m	 <p>Chemical structure showing a radical on the alpha carbon of 2-methylcyclohex-2-enal. The radical is located on the carbon atom adjacent to the carbonyl group, with a hydrogen atom explicitly shown. The structure is a six-membered ring with a carbonyl group and a methyl group, and a radical on the alpha carbon.</p>
chde241o6m	 <p>Chemical structure showing a radical on the alpha carbon of 2-methylcyclohex-2-enal. The radical is located on the carbon atom adjacent to the carbonyl group, with a hydrogen atom explicitly shown. The structure is a six-membered ring with a carbonyl group and a methyl group, and a radical on the alpha carbon.</p>
m2e5jf-p	 <p>Chemical structure showing a radical on the 3-position of 2-methylisoxazole. The radical is located on the carbon atom adjacent to the oxygen atom, with a hydrogen atom explicitly shown. The structure is a five-membered ring with an oxygen atom and a methyl group, and a radical on the 3-position.</p>
hpt45de2o3j	 <p>Chemical structure showing a radical on the alpha carbon of 2-methylbut-3-enal. The radical is located on the carbon atom adjacent to the carbonyl group, with a hydrogen atom explicitly shown. The structure is $\text{H}_3\text{C}-\text{C}(=\text{O})-\dot{\text{C}}\text{H}-\text{CH}=\text{C}(\text{H})-\text{CH}_3$.</p>

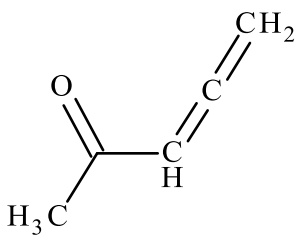
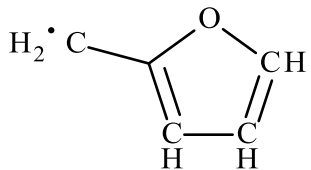
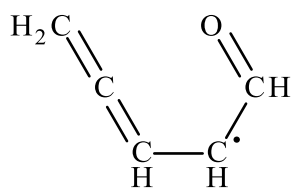
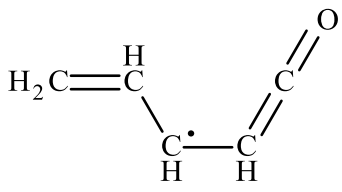
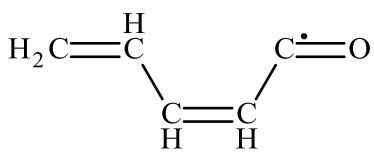
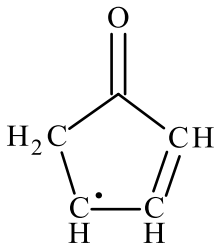
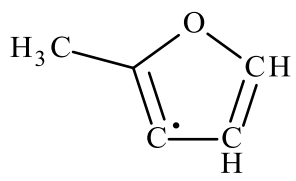
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che21o4j5m	
e25chof	
e25cjof	
e2jf5cho-a	
e2f5j	

<p>hm25efoj</p>	 <p>Chemical structure of 2-(hydroxymethyl)furan, showing a furan ring with a hydroxymethyl group (-CH₂O[•]) attached to the 2-position.</p>
<p>e2f <i>In text: 2-ethylfuran</i></p>	 <p>Chemical structure of 2-ethylfuran, showing a furan ring with an ethyl group (-CH₂CH₃) attached to the 2-position.</p>
<p>h45de3o</p>	 <p>Chemical structure of 2-pentenal, showing a five-carbon chain with an aldehyde group at C1 and a double bond between C2 and C3.</p>
<p>h23de1o</p>	 <p>Chemical structure of 2-pentenal, showing a five-carbon chain with an aldehyde group at C1 and a double bond between C2 and C3.</p>
<p>e2f2j-a</p>	 <p>Chemical structure of 2-ethylfuran, showing a furan ring with an ethyl group (-CH₂CH₃) attached to the 2-position.</p>
<p>e2f2j-p</p>	 <p>Chemical structure of 2-ethylfuran, showing a furan ring with an ethyl group (-CH₂CH₃) attached to the 2-position.</p>
<p>m2v5f</p>	 <p>Chemical structure of 2-methylfuran, showing a furan ring with a methyl group (-CH₃) attached to the 2-position.</p>

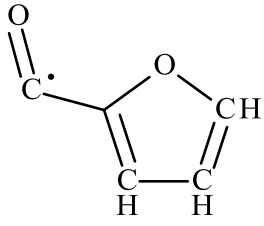
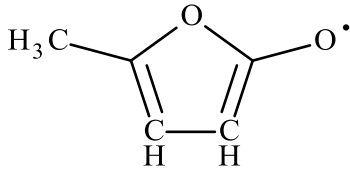
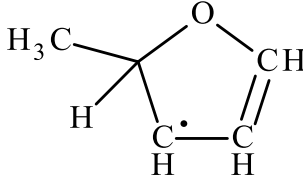
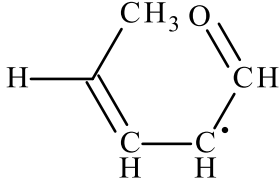
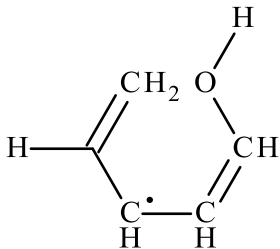
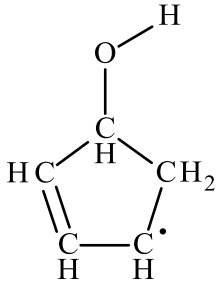
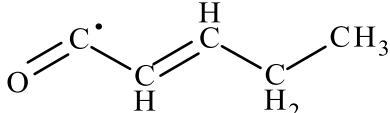
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hpt145te3o	
v2f	
h145te3o	
h235te1o	
mf25ch2ooj	
dmf252oh3j	
mf25oh <i>In text: 5-methyl-2-furanol</i>	

p23de1o1oh	
p34de2o5oh	
c#ccjoh	
<p>h3e2o5h5j</p> <p><i>In text: 3-hexene-2-one-5-hydroxyl-3-yl</i></p>	
<p>h25o3j</p> <p><i>In text: 2,5-hexadione-3-yl</i></p>	
<p>h3e25o</p> <p><i>In text: 3-hexene-2,5-dione</i></p>	
h3e25o1j	
h3e15o1j	

p3e2o	
p3e25o5j	
tmf2253j	
h4e2o3j5m	
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mf2 <i>In text: 2-methylfuran</i>	
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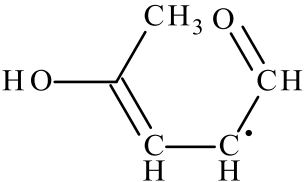
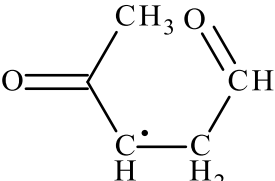
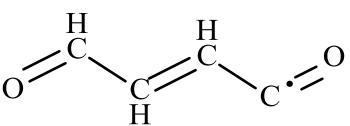
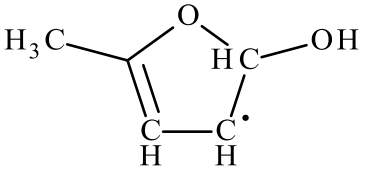
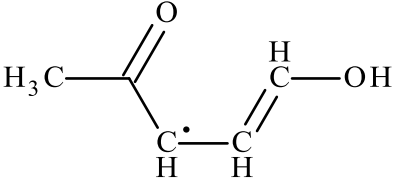
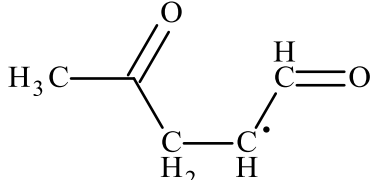
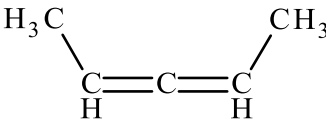
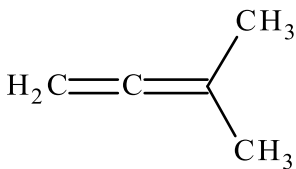
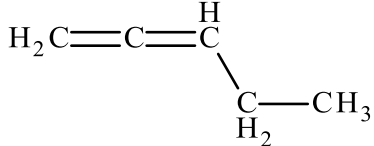
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p34de2o-c	
p34de2o-t	Trans conformer of above
mf22j	
p34de1o2j-c1	
p34de1o2j-c2	Secondary conformer of above
p14de1o3j-c1	
p14de1o3j-rc	Secondary conformer of above
p24de1o1j-c1	
cpe31o2j	
mf23j	

p23de1o4j	
mf24j	
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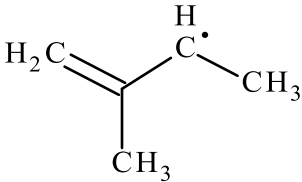
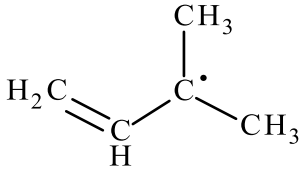
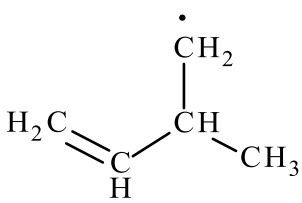
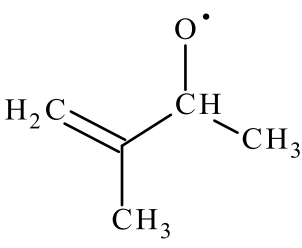
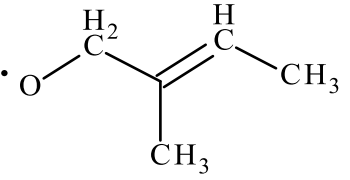
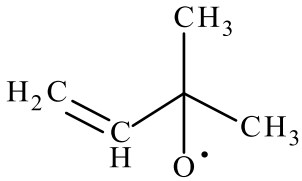
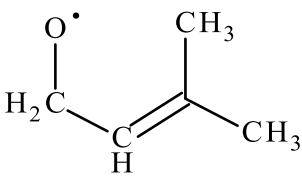
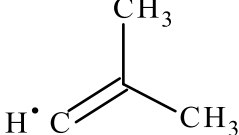
f2cjo	
mf25oj	
mf22h	
p3e1o2j-c1	
p3e1o2j-c2	Secondary cis conformer of above
p3e1o2j-t1	Trans conformer of above
p15de1oh3j-c1	
cpe24j5oh	
p2e1o1j-c1	

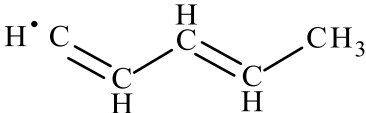
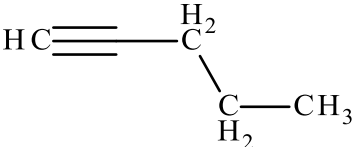
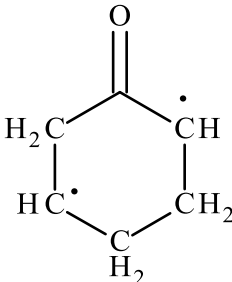
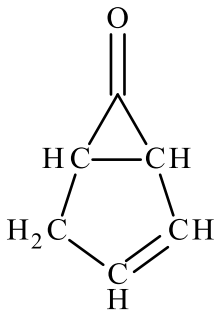
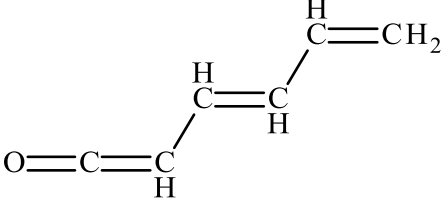
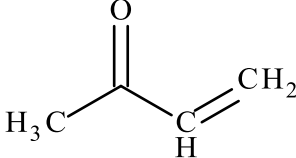
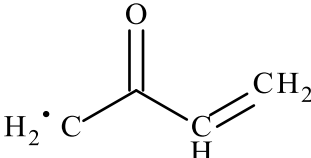
p4e1o3j-c1	
p4e1o3j-c2	Secondary cis conformer of above
mf23h22j	
p4e2o5j-c1	
p4e2o1j-c2	
mf24h25j	
p3e1o4j-c1	
p3e1o1j-c2	
mf25h24j	
p4e2o3j-c1	
p4e2o3j-c2	Secondary cis conformer of above

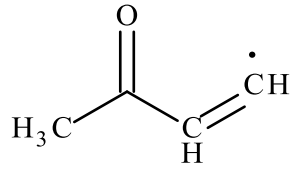
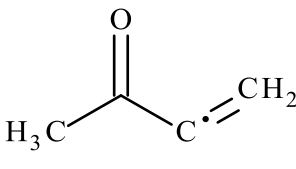
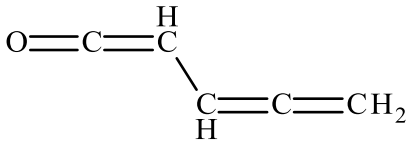
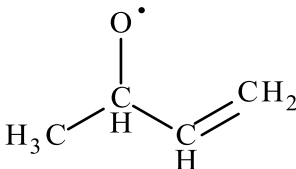
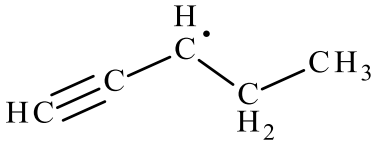
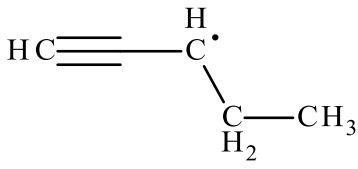
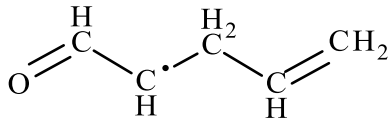
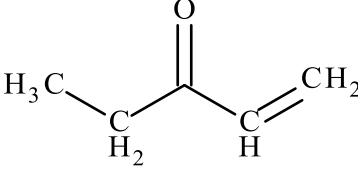
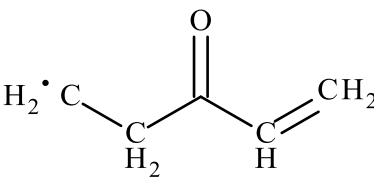
p3e2o1j-c1	
p3e2o1j-c2	Secondary conformer of above
c-c31o2c2h4	
p3e1o1j-c1	
mf22oh3j	
f2oh <i>In text: 2-furanol</i>	
f2oj	
b23de1o4oh	
chcch2oh	

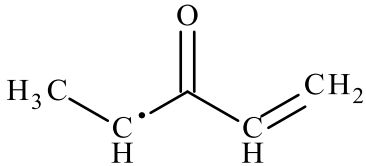
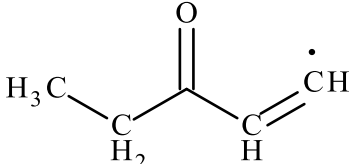
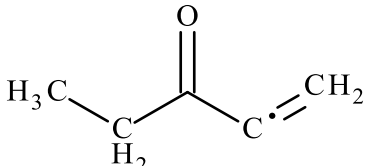
p3e1o4oh2j	
p14o3j	
b2e14o1j	
mf25oh4j	
p4e2o5oh3j	
p25o4j	
p23de	
b12de3m	
p12de	

p2y	
p2y4j	
c4h6-1	
chcchch3	
chcch2ch2	
p1y4e	
b13de2m	
b13de2mj	
b1e2m4j	

b1e2m3j	 <p>Chemical structure showing a radical on the secondary carbon of a 2-methylbutane chain. The radical is on the carbon atom bonded to a hydrogen atom and a methyl group. The other carbon of the chain is bonded to a methyl group and a methylene group.</p>
b1e3m3j	 <p>Chemical structure showing a radical on the primary carbon of a 2-methylbutane chain. The radical is on the carbon atom bonded to a hydrogen atom. The other carbon of the chain is bonded to a hydrogen atom and a methyl group.</p>
b1e3mj	 <p>Chemical structure showing a radical on the secondary carbon of a butane chain. The radical is on the carbon atom bonded to a hydrogen atom and a methyl group. The other carbon of the chain is bonded to a methylene group and a methyl group.</p>
b1e2m3oj	 <p>Chemical structure showing a peroxy radical on the secondary carbon of a 2-methylbutane chain. The radical is on the oxygen atom bonded to the carbon atom. The other carbon of the chain is bonded to a methyl group and a methylene group.</p>
b2e2m1oj	 <p>Chemical structure showing a peroxy radical on the primary carbon of a 2-methylbutane chain. The radical is on the oxygen atom bonded to the carbon atom. The other carbon of the chain is bonded to a hydrogen atom and a methyl group.</p>
b1e3m3oj	 <p>Chemical structure showing a peroxy radical on the primary carbon of a 2-methylbutane chain. The radical is on the oxygen atom bonded to the carbon atom. The other carbon of the chain is bonded to a hydrogen atom and a methyl group.</p>
b2e3m1oj	 <p>Chemical structure showing a peroxy radical on the secondary carbon of a 2-methylbutane chain. The radical is on the oxygen atom bonded to the carbon atom. The other carbon of the chain is bonded to a methyl group and a methylene group.</p>
ic4h7-v	 <p>Chemical structure showing a radical on the secondary carbon of a 2-methylbutane chain. The radical is on the carbon atom bonded to a hydrogen atom. The other carbon of the chain is bonded to a methyl group and a methyl group.</p>

p13de1j	
p1y	
chde241obirad	
bcyc-3.1.0-h3e6o	
h135te1o	
Mvk <i>In text: methyl vinyl ketone or 3-butene-2-one</i>	
mjvk	

mvjk-p	 <p>Chemical structure showing a methyl group (H₃C) attached to a carbon atom double-bonded to an oxygen atom (C=O). This carbon is also single-bonded to a CH group, which has a radical dot on the carbon atom.</p>
mvjk-s	 <p>Chemical structure showing a methyl group (H₃C) attached to a carbon atom double-bonded to an oxygen atom (C=O). This carbon is also single-bonded to a CH₂ group, which has a radical dot on the carbon atom.</p>
p134te1o	 <p>Chemical structure showing a carbonyl group (O=C) attached to a CH group, which is further attached to a CH=C=CH₂ group. The CH group has a radical dot on the carbon atom.</p>
b3e2oj	 <p>Chemical structure showing a methyl group (H₃C) attached to a CH group, which is further attached to a CH=CH₂ group. The CH group has a radical dot on the oxygen atom.</p>
c#ccjcc	 <p>Chemical structure showing a methyl group (H₃C) attached to a CH group, which is further attached to a C≡C-CH₂-CH₃ group. The CH group has a radical dot on the carbon atom.</p>
c#ccho	 <p>Chemical structure showing a methyl group (H₃C) attached to a CH group, which is further attached to a C≡C-CH₂-CH₃ group. The CH group has a radical dot on the carbon atom.</p>
p4e1o2j	 <p>Chemical structure showing a carbonyl group (O=C) attached to a CH group, which is further attached to a CH₂-CH=CH₂ group. The CH group has a radical dot on the carbon atom.</p>
evk	 <p>Chemical structure showing a methyl group (H₃C) attached to a CH₂ group, which is further attached to a C=O group, and then to a CH=CH₂ group. The CH₂ group has a radical dot on the carbon atom.</p>
ejvk-p	 <p>Chemical structure showing a methyl group (H₃C) attached to a CH₂ group, which is further attached to a C=O group, and then to a CH=CH₂ group. The CH₂ group has a radical dot on the carbon atom.</p>

<p>ejvk-sa</p>	 <p>Chemical structure showing a radical on the alpha carbon of 2-butenal. The structure is $\text{H}_3\text{C}-\underset{\text{H}}{\overset{\cdot}{\text{C}}}-\overset{\text{O}}{\parallel}{\text{C}}-\underset{\text{H}}{\text{C}}=\text{CH}_2$.</p>
<p>evjk-p</p>	 <p>Chemical structure showing a radical on the beta carbon of 2-butenal. The structure is $\text{H}_3\text{C}-\underset{\text{H}_2}{\overset{\cdot}{\text{C}}}-\overset{\text{O}}{\parallel}{\text{C}}-\underset{\text{H}}{\text{C}}=\overset{\cdot}{\text{C}}\text{H}$.</p>
<p>evjk-s</p>	 <p>Chemical structure showing a radical on the gamma carbon of 2-butenal. The structure is $\text{H}_3\text{C}-\underset{\text{H}_2}{\text{C}}-\overset{\text{O}}{\parallel}{\text{C}}-\overset{\cdot}{\text{C}}=\text{CH}_2$.</p>