

1	$[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]$
2	$[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]$
3	$[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]$
4	$[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1]$
5	$[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow vinoxyl + CH_2O \rightarrow [vinoxyl]vinoxyl + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CO]$
6	$[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR \rightarrow [CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$
7	$[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]$
8	$[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2 \rightarrow [CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$
9	$[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]$
10	$[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1]$
11	$[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1]OQ'O_1 \Rightarrow vinoxyl + CH_2O \rightarrow [vinoxyl]vinoxyl + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CO]$
12	$[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR \rightarrow [CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$
13	$[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [acetaldehyde]CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl} \rightarrow [CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$

14	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}] \text{acetaldehyde} + \text{acetylperoxy} \Rightarrow \text{acetyl} + CH_3CO_3H--</math>  <math>&gt;[CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH-- \rightarrow [\text{acetyloxy}]</math> </p>
15	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]iROO + \text{acetaldehyde} \Rightarrow iROOH + \text{acetyl}-- \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]</math> </p>
16	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}-- \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH-- \rightarrow [CH_3O]</math> </p>
17	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl}--</math>  <math>&gt;[\text{acetyl}] \text{acetylperoxy} + HO_2 \Rightarrow CH_3CO_3H + O_2-- \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[\text{acetyloxy}]</math> </p>
18	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}-- \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]</math> </p>
19	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}-- \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]</math> </p>
20	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}-- \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + HO_2 \Rightarrow iROOH + O_2-- \rightarrow [iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]</math> </p>
21	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}-- \rightarrow [CH_3]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH-- \rightarrow [CH_3O]</math> </p>
22	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}-- \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1-- \rightarrow [OQ'OOH_1]</math> </p>
23	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}-- \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1--</math>  <math>&gt;[OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH-- \rightarrow [OQ'O_1]</math> </p>
24	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]nROO + C_3H_8 \Rightarrow nROOH + iR--</math>  <math>&gt;[nROOH]nROOH \Rightarrow nRO + OH-- \rightarrow [nRO]</math> </p>

25	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1--</math>  <math>&gt;[OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1]OQ'O_1 \Rightarrow \text{vinoxy} + CH_2O--</math>  <math>&gt;[vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CO]</math> </p>
26	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [\text{acetaldehyde}]\text{acetaldehyde} + HO_2 \Rightarrow \text{acetyl} + H_2O_2--</math>  <math>&gt;[\text{acetyl}]\text{acetylperoxy} + HO_2 \Rightarrow CH_3CO_3H + O_2 \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[\text{acetyloxy}]</math> </p>
27	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]nROO + \text{acetaldehyde} \Rightarrow nROOH + \text{acetyl}--</math>  <math>&gt;[nROOH]nROOH \Rightarrow nRO + OH \rightarrow [nRO]</math> </p>
28	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl}--</math>  <math>&gt;[\text{acetyl}]C_3H_8 + \text{acetylperoxy} \Rightarrow iR + CH_3CO_3H \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[\text{acetyloxy}]</math> </p>
29	<p> <math>[iR]iROO \Rightarrow HO_2 + C_3H_6 \rightarrow [C_3H_6]C_3H_6 + HO_2 \Rightarrow \text{propen1ol} + OH \rightarrow [\text{propen1ol}]</math> </p>
30	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl}--</math>  <math>&gt;[\text{acetyl}]\text{acetaldehyde} + \text{acetylperoxy} \Rightarrow \text{acetyl} + CH_3CO_3H--</math>  <math>&gt;[CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH \rightarrow [\text{acetyloxy}]</math> </p>
31	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]</math> </p>
32	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]nROO + C_3H_8 \Rightarrow nROOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]</math> </p>
33	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR--</math>  <math>&gt;[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1]</math> </p>
34	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR--</math>  <math>&gt;[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1]</math> </p>

35	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH-- \rightarrow [CH_3O]</math> </p>
36	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]nROO + C_3H_8 \Rightarrow nROOH + nR--</math>  <math>&gt;[nROOH]nROOH \Rightarrow nRO + OH-- \rightarrow [nRO]</math> </p>
37	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1--</math>  <math>&gt;[OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH-- \rightarrow [OQ'O_1]OQ'O_1 \Rightarrow \text{vinoxyl} + CH_2O--</math>  <math>&gt;[CH_2O]iROO + CH_2O \Rightarrow iROOH + HCO-- \rightarrow [iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]</math> </p>
38	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR--</math>  <math>&gt;[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1-- \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH--</math>  <math>&gt;[OQ'O_1]OQ'O_1 \Rightarrow \text{vinoxyl} + CH_2O-- \rightarrow [\text{vinoxyl}]\text{vinoxyl} + O_2 \Rightarrow CH_2O + CO + OH-- \rightarrow [CO]</math> </p>
39	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH-- \rightarrow [CH_3O]</math> </p>
40	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl}--</math>  <math>&gt;[\text{acetyl}]H_2O_2 + \text{acetylperoxy} \Rightarrow HO_2 + CH_3CO_3H-- \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[\text{acetyloxy}]</math> </p>
41	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]iROO + \text{acetaldehyde} \Rightarrow iROOH + \text{acetyl}--</math>  <math>&gt;[\text{acetyl}]\text{acetylperoxy} + HO_2 \Rightarrow CH_3CO_3H + O_2-- \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[\text{acetyloxy}]</math> </p>
42	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [\text{acetaldehyde}]\text{acetaldehyde} + HO_2 \Rightarrow \text{acetyl} + H_2O_2--</math>  <math>&gt;[\text{acetyl}]C_3H_8 + \text{acetylperoxy} \Rightarrow iR + CH_3CO_3H-- \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[\text{acetyloxy}]</math> </p>
43	<p> <math>[iR]iROO \Rightarrow QOOH_3-- \rightarrow [QOOH_3]\text{well}_3 \Rightarrow OH + \text{prod}_4-- \rightarrow [\text{prod}_4]</math> </p>
44	<p> <math>[iR]iROO \Rightarrow QOOH_3-- \rightarrow [QOOH_3]\text{well}_3 \Rightarrow OH + \text{prod}_4--</math>  <math>&gt;[\text{prod}_4]\text{prod}_4 \Rightarrow \text{frag}_4 + OH-- \rightarrow [\text{frag}_4]</math> </p>
45	<p> <math>[iR]iROO \Rightarrow OH + \text{propoxide} \rightarrow [\text{propoxide}]</math> </p>

46	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [\text{acetaldehyde}] \text{acetaldehyde} + HO_2 \Rightarrow \text{acetyl} + H_2O_2--</math>  <math>&gt;[\text{acetyl}] \text{acetaldehyde} + \text{acetylperoxy} \Rightarrow \text{acetyl} + CH_3CO_3H--</math>  <math>&gt;[CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH-- \rightarrow [\text{acetyloxy}]</math> </p>
47	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl}--</math>  <math>&gt;[\text{acetyl}]CH_2O + \text{acetylperoxy} \Rightarrow HCO + CH_3CO_3H-- \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>\rightarrow [\text{acetyloxy}]</math> </p>
48	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl}--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH-- \rightarrow [CH_3O]</math> </p>
49	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]</math> </p>
50	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}] \text{acetaldehyde} + \text{acetylperoxy} \Rightarrow \text{acetyl} + CH_3CO_3H--</math>  <math>&gt;[CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH-- \rightarrow [\text{acetyloxy}]</math> </p>
51	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]iROO + \text{acetaldehyde} \Rightarrow iROOH + \text{acetyl} \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]</math> </p>
52	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1--</math>  <math>&gt;[OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH-- \rightarrow [OQ'O_1]OQ'O_1 \Rightarrow \text{vinoxyl} + CH_2O--</math>  <math>&gt;[CH_2O]CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO-- \rightarrow [CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH-- \rightarrow [CH_3O]</math> </p>
53	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [\text{acetaldehyde}] \text{acetaldehyde} + HO_2 \Rightarrow \text{acetyl} + H_2O_2--</math>  <math>&gt;[\text{acetyl}]H_2O_2 + \text{acetylperoxy} \Rightarrow HO_2 + CH_3CO_3H-- \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[\text{acetyloxy}]</math> </p>

54	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]iROO + CH_3OO \Rightarrow iRO + CH_3O + O_2--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]</math> </p>
55	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1--</math>  <math>&gt;[OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1]OQ'O_1 \Rightarrow \text{vinoxy} + CH_2O--</math>  <math>&gt;[vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CH_2O]iROO + CH_2O \Rightarrow iROOH + HCO--</math>  <math>&gt;[iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]</math> </p>
56	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + CH_3OO \Rightarrow O_2 + CH_3O + CH_3O--</math>  <math>&gt;[CH_3O]CH_3O + O_2 \Rightarrow CH_2O + HO_2 \rightarrow [CH_2O]iROO + CH_2O \Rightarrow iROOH + HCO--</math>  <math>&gt;[iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]</math> </p>
57	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [\text{acetaldehyde}]\text{acetaldehyde} + OH \Rightarrow \text{vinoxy} + H_2O--</math>  <math>&gt;[vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CO]</math> </p>
58	<p> <math>[iR]iROO \Rightarrow QOOH\_3 \rightarrow [QOOH\_3]well\_3 \Rightarrow well\_2 \rightarrow [well\_2]well\_2 \Rightarrow well\_3--</math>  <math>&gt;[well\_3]well\_3 \Rightarrow OH + prod\_4 \rightarrow [prod\_4]</math> </p>
59	<p> <math>[iR]iROO \Rightarrow QOOH\_3 \rightarrow [QOOH\_3]well\_3 \Rightarrow well\_2 \rightarrow [well\_2]well\_2 \Rightarrow well\_3--</math>  <math>&gt;[well\_3]well\_3 \Rightarrow OH + prod\_4 \rightarrow [prod\_4]prod\_4 \Rightarrow frag\_4 + OH \rightarrow [frag\_4]</math> </p>
60	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [\text{acetaldehyde}]\text{acetaldehyde} + HO_2 \Rightarrow \text{acetyl} + H_2O_2--</math>  <math>&gt;[acetyl]CH_2O + \text{acetylperoxy} \Rightarrow HCO + CH_3CO_3H \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>\rightarrow [acetyloxy]</math> </p>
61	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow</math>  <math>&gt;[\text{acetaldehyde}]iROO + \text{acetaldehyde} \Rightarrow iROOH + \text{acetyl}--</math>  <math>&gt;[acetyl]C_3H_8 + \text{acetylperoxy} \Rightarrow iR + CH_3CO_3H \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[acetyloxy]</math> </p>
62	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR--</math>  <math>&gt;[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH \rightarrow [nRO]</math> </p>
63	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow</math>  <math>&gt;[\text{acetaldehyde}]CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl}--</math>  <math>&gt;[acetyl]\text{acetylperoxy} + HO_2 \Rightarrow CH_3CO_3H + O_2 \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[acetyloxy]</math> </p>

64	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl}--</math>  <math>&gt;[\text{acetyl}]C_3H_8 + \text{acetylperoxy} \Rightarrow nR + CH_3CO_3H \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[\text{acetyloxy}]</math> </p>
65	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--&gt;[CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--&gt;[iRO]</math> </p>
66	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--&gt;[CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH--&gt;[CH_3O]CH_3O + O_2 \Rightarrow CH_2O + HO_2--</math>  <math>&gt;[CH_2O]iROO + CH_2O \Rightarrow iROOH + HCO--&gt;[iROOH]iROOH \Rightarrow iRO + OH--&gt;[iRO]</math> </p>
67	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--&gt;[CH_3]CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH--&gt;[CH_3O]</math> </p>
68	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--&gt;[CH_3]iROO + CH_3OO \Rightarrow iRO + CH_3O + O_2--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--&gt;[CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH--&gt;[CH_3O]</math> </p>
69	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--&gt;[CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + HO_2 \Rightarrow iROOH + O_2--&gt;[iROOH]iROOH \Rightarrow iRO + OH--&gt;[iRO]</math> </p>
70	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1--</math>  <math>&gt;[OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH--&gt;[OQ'O_1]OQ'O_1 \Rightarrow \text{vinoxyl} + CH_2O--</math>  <math>&gt;[CH_2O]nROO + CH_2O \Rightarrow nROOH + HCO--&gt;[nROOH]nROOH \Rightarrow nRO + OH--&gt;[nRO]</math> </p>
71	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--&gt;[CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + iROO \Rightarrow O_2 + iRO + iRO--&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[CH_3]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2--&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH--&gt;[CH_3O]</math> </p>
72	<p> <math>[iR]iROO \Rightarrow HO_2 + C_3H_6--&gt;[C_3H_6]HO_2 + C_3H_6 \Rightarrow OH + \text{propoxide}--&gt;[\text{propoxide}]</math> </p>
73	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]iROO + \text{acetaldehyde} \Rightarrow iROOH + \text{acetyl}--</math>  <math>&gt;[\text{acetyl}]\text{acetaldehyde} + \text{acetylperoxy} \Rightarrow \text{acetyl} + CH_3CO_3H--</math>  <math>&gt;[CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--&gt;[\text{acetyloxy}]</math> </p>

74	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + iROO \Rightarrow O_2 + iRO + iRO \rightarrow [iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR \rightarrow [CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH-- \rightarrow [CH_3O]</math> </p>
75	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR--</math>  <math>&gt;[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]</math> </p>
76	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR--</math>  <math>&gt;[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH-- \rightarrow [OQ'O_1]</math> </p>
77	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1--</math>  <math>&gt;[OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH-- \rightarrow [OQ'O_1]OQ'O_1 \Rightarrow \text{vinoxyl} + CH_2O--</math>  <math>&gt;[vinoxyl]vinoxyl + O_2 \Rightarrow CH_2O + CO + OH-- \rightarrow [CH_2O]CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH-- \rightarrow [CH_3O]</math> </p>
78	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]</math> </p>
79	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1--</math>  <math>&gt;[OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH-- \rightarrow [OQ'O_1]</math> </p>
80	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]iROO + CH_3OO \Rightarrow iRO + CH_3O + O_2--</math>  <math>&gt;[CH_3O]CH_3O + O_2 \Rightarrow CH_2O + HO_2-- \rightarrow [CH_2O]iROO + CH_2O \Rightarrow iROOH + HCO--</math>  <math>&gt;[iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]</math> </p>
81	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[acetaldehyde]nROO + \text{acetaldehyde} \Rightarrow nROOH + \text{acetyl}--</math>  <math>&gt;[acetyl]acetylperoxy + HO_2 \Rightarrow CH_3CO_3H + O_2-- \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[acetyloxy]</math> </p>



82	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + CH_3OO \Rightarrow O_2 + CH_3O + CH_3O--</math>  <math>&gt;[CH_3O]CH_3O + O_2 \Rightarrow CH_2O + HO_2-- \rightarrow [CH_2O]CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH-- \rightarrow [CH_3O]</math> </p>
83	<p> <math>[iR]iROO \Rightarrow HO_2 + C_3H_6 \rightarrow [C_3H_6]C_3H_6 + iROO \Rightarrow allyl + iROOH \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]</math> </p>
84	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR--</math>  <math>&gt;[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH--</math>  <math>&gt;[OQ'O_1]OQ'O_1 \Rightarrow \text{vinoxyl} + CH_2O \rightarrow [vinoxyl]vinoxyl + O_2 \Rightarrow CH_2O + CO + OH-- \rightarrow [CO]</math> </p>
85	<p> <math>[iR]iROO \Rightarrow QOOH_3 \rightarrow [QOOH_3]well_3 \Rightarrow well_2 \rightarrow [well_2]well_2 \Rightarrow well_3--</math>  <math>&gt;[well_3]well_3 \Rightarrow well_2 \rightarrow [well_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow OH + \text{prod}_4--</math>  <math>&gt;[prod_4]</math> </p>
86	<p> <math>[iR]iROO \Rightarrow QOOH_3 \rightarrow [QOOH_3]well_3 \Rightarrow well_2 \rightarrow [well_2]well_2 \Rightarrow well_3--</math>  <math>&gt;[well_3]well_3 \Rightarrow well_2 \rightarrow [well_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow OH + \text{prod}_4--</math>  <math>&gt;[prod_4]prod_4 \Rightarrow \text{frag}_4 + OH-- \rightarrow [frag_4]</math> </p>
87	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[acetaldehyde]CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl}--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH-- \rightarrow [CH_3O]</math> </p>
88	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1--</math>  <math>&gt;[OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH-- \rightarrow [OQ'O_1]OQ'O_1 \Rightarrow \text{vinoxyl} + CH_2O--</math>  <math>&gt;[vinoxyl]vinoxyl + O_2 \Rightarrow CH_2O + CO + OH-- \rightarrow [CO]</math> </p>
89	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[acetaldehyde]iROO + \text{acetaldehyde} \Rightarrow iROOH + \text{acetyl}--</math>  <math>&gt;[acetyl]H_2O_2 + \text{acetylperoxy} \Rightarrow HO_2 + CH_3CO_3H \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[acetyloxy]</math> </p>

90	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR--</math>  <math>&gt;[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH-- \rightarrow [CH_3O]</math> </p>
91	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1--</math>  <math>&gt;[OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH-- \rightarrow [OQ'O_1]OQ'O_1 \Rightarrow \text{vinoxyl} + CH_2O--</math>  <math>&gt;[CH_2O]CH_2O + \text{acetylperoxy} \Rightarrow HCO + CH_3CO_3H \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[\text{acetyloxy}]</math> </p>
92	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [\text{acetaldehyde}]\text{acetaldehyde} + HO_2 \Rightarrow \text{acetyl} + H_2O_2--</math>  <math>&gt;[\text{acetyl}]\text{acetylperoxy} + HO_2 \Rightarrow CH_3CO_3H + O_2-- \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[\text{acetyloxy}]</math> </p>
93	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl}--</math>  <math>&gt;[\text{acetyl}]C_3H_8 + \text{acetylperoxy} \Rightarrow nR + CH_3CO_3H \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1--</math>  <math>&gt;[OQ'OOH_1]</math> </p>
94	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl}--</math>  <math>&gt;[\text{acetyl}]C_3H_8 + \text{acetylperoxy} \Rightarrow nR + CH_3CO_3H \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1--</math>  <math>&gt;[OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH-- \rightarrow [OQ'O_1]</math> </p>
95	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR--</math>  <math>&gt;[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--</math>  <math>&gt;[\text{acetaldehyde}]\text{acetaldehyde} + \text{acetylperoxy} \Rightarrow \text{acetyl} + CH_3CO_3H--</math>  <math>&gt;[CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH-- \rightarrow [\text{acetyloxy}]</math> </p>
96	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [\text{acetaldehyde}]\text{acetaldehyde} + HO_2 \Rightarrow \text{acetyl} + H_2O_2--</math>  <math>&gt;[\text{acetyl}]C_3H_8 + \text{acetylperoxy} \Rightarrow nR + CH_3CO_3H \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow \text{acetyloxy} + OH--</math>  <math>&gt;[\text{acetyloxy}]</math> </p>
97	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--</math>  <math>&gt;[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR--</math>  <math>&gt;[nR]nROO + C_3H_8 \Rightarrow nROOH + nR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH-- \rightarrow [nRO]</math> </p>

98	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH</math>--  <math>[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}</math>--  <math>[acetaldehyde]CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl}</math>--  <math>[acetyl]C_3H_8 + \text{acetylperoxy} \Rightarrow iR + CH_3CO_3H \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + iR</math>--  <math>[iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]</math> </p>
99	<p> <math>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH</math>--  <math>[iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR</math>--  <math>[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + iR</math>--  <math>[iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]</math> </p>
100	<p> <math>[iR]iROO \Rightarrow QOOH_3 \rightarrow [QOOH_3]well_3 \Rightarrow well_5 \rightarrow [well_5]well_5 \Rightarrow OH + prod_3</math>--  <math>[prod_3]</math> </p>