

1	$[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]$
2	$[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1]$
3	$[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1] OQ'O_1 \Rightarrow vinoxyl + CH_2O \rightarrow [vinoxyl] vinoxyl + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CO]$
4	$[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH] nROOH \Rightarrow nRO + OH \rightarrow [nRO]$
5	$[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH] iROOH \Rightarrow iRO + OH \rightarrow [iRO]$
6	$[nR]nROO + C_3H_8 \Rightarrow nROOH + nR \rightarrow [nROOH] nROOH \Rightarrow nRO + OH \rightarrow [nRO]$
7	$[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1] OQ'O_1 \Rightarrow vinoxyl + CH_2O \rightarrow [CH_2O] iROO + CH_2O \Rightarrow iROOH + HCO \rightarrow [iROOH] iROOH \Rightarrow iRO + OH \rightarrow [iRO]$
8	$[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1] OQ'O_1 \Rightarrow vinoxyl + CH_2O \rightarrow [CH_2O] CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO \rightarrow [CH_3OOH] CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$
9	$[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1] OQ'O_1 \Rightarrow vinoxyl + CH_2O \rightarrow [vinoxyl] vinoxyl + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CH_2O] iROO + CH_2O \Rightarrow iROOH + HCO \rightarrow [iROOH] iROOH \Rightarrow iRO + OH \rightarrow [iRO]$
10	$[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1] OQ'O_1 \Rightarrow vinoxyl + CH_2O \rightarrow [CH_2O] nROO + CH_2O \Rightarrow nROOH + HCO \rightarrow [nROOH] nROOH \Rightarrow nRO + OH \rightarrow [nRO]$
11	$[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1] OQ'O_1 \Rightarrow vinoxyl + CH_2O \rightarrow [vinoxyl] vinoxyl + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CH_2O] CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO \rightarrow [CH_3OOH] CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$
12	$[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1] OQ'O_1 \Rightarrow vinoxyl + CH_2O \rightarrow [CH_2O] CH_2O + acetylperoxy \Rightarrow HCO + CH_3CO_3H \rightarrow [CH_3CO_3H] CH_3CO_3H \Rightarrow acetyloxy + OH \rightarrow [acetyloxy]$
13	$[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1] OQ'O_1 \Rightarrow vinoxyl + CH_2O \rightarrow [vinoxyl] vinoxyl + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CH_2O] nROO + CH_2O \Rightarrow nROOH + HCO \rightarrow [nROOH] nROOH \Rightarrow nRO + OH \rightarrow [nRO]$
14	$[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH] nROOH \Rightarrow nRO + OH \rightarrow [nRO] nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5] CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + iR \rightarrow [iR] iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH] iROOH \Rightarrow iRO + OH \rightarrow [iRO]$
15	$[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [iR] iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH] iROOH \Rightarrow iRO + OH \rightarrow [iRO]$

16	$[nR]nROO+C_3H_8=>nROOH+iR-->[nROOH]nROOH=>nRO+OH--$ $>[nRO]nRO=>C_2H_5+CH_2O-->[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+iR--$ $>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]$
17	$[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxy+CH_2O-->[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO--$ $>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]$
18	$[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxy+CH_2O-->[CH_2O]CH_2O+formylperoxy=>HCO+formylooh--$ $>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$
19	$[nR]nROO+C_3H_8=>nROOH+iR-->[iR]iROO+C_3H_8=>iROOH+nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]$
20	$[nR]nROO+C_3H_8=>nROOH+iR-->[iR]iROO+C_3H_8=>iROOH+nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]$
21	$[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxy+CH_2O-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH--$ $>[CH_2O]CH_2O+acetylperoxy=>HCO+CH_3CO_3H-->[CH_3CO_3H]CH_3CO_3H=>acetyloxy+OH--$ $>[acetyloxy]$
22	$[nR]nROO+C_3H_8=>nROOH+iR-->[iR]iROO+C_3H_8=>iROOH+nR--$ $>[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxy+CH_2O-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]$
23	$[nR]nROO+C_3H_8=>nROOH+iR-->[iR]iROO+C_3H_8=>iROOH+iR--$ $>[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH_3+acetaldehyde--$ $>[CH_3]CH_3OO+C_3H_8=>CH_3OOH+iR-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
24	$[nR]nROO+C_3H_8=>nROOH+nR-->[nROOH]nROOH=>nRO+OH--$ $>[nRO]nRO=>C_2H_5+CH_2O-->[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+iR--$ $>[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]$
25	$[nR]nROO+C_3H_8=>nROOH+nR-->[nROOH]nROOH=>nRO+OH--$ $>[nRO]nRO=>C_2H_5+CH_2O-->[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+iR--$ $>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]$
26	$[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxy+CH_2O-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH--$ $>[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO--$ $>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]$

27	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH--$ $>[nRO]nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5]CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + nR--$ $>[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]$ </p>
28	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH--$ $>[nRO]nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5]CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + nR--$ $>[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH-- \rightarrow [OQ'O_1]$ </p>
29	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + iR--$ $>[iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde--}$ $>[CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + iR--$ $>[iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]$ </p>
30	<p> $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH--$ $>[OQ'O_1]OQ'O_1 \Rightarrow \text{vinoxy} + CH_2O \rightarrow [vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH--$ $>[CH_2O]CH_2O + \text{formylperoxy} \Rightarrow HCO + \text{formylooh--}$ $>[formylooh]formylooh \Rightarrow \text{formyloxy} + OH-- \rightarrow [formyloxy]$ </p>
31	<p> $[nR]O_2QOOH_1 \Rightarrow HO_2 + \text{prod_2} \rightarrow [prod_2]prod_2 \Rightarrow \text{allyloxy} + OH-- \rightarrow [allyloxy]$ </p>
32	<p> $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH--$ $>[OQ'O_1]OQ'O_1 \Rightarrow \text{vinoxy} + CH_2O \rightarrow [CH_2O]CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO--$ $>[HCO]HCO + O_2 \Rightarrow \text{formylperoxy--}$ $>[formylperoxy]C_3H_8 + \text{formylperoxy} \Rightarrow iR + \text{formylooh--}$ $>[formylooh]formylooh \Rightarrow \text{formyloxy} + OH-- \rightarrow [formyloxy]$ </p>
33	<p> $[nR]nROO \Rightarrow OH + \text{propoxide} \rightarrow [propoxide]$ </p>
34	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH--$ $>[nRO]nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5]CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + nR--$ $>[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH--$ $>[OQ'O_1]OQ'O_1 \Rightarrow \text{vinoxy} + CH_2O \rightarrow [vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH-- \rightarrow [CO]$ </p>
35	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + iR--$ $>[iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde--}$ $>[CH_3]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2 \rightarrow [CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH-- \rightarrow [CH_3O]$ </p>
36	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH--$ $>[nRO]nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [CH_2O]iROO + CH_2O \Rightarrow iROOH + HCO--$ $>[iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]$ </p>
37	<p> $[nR]nROO \Rightarrow QOOH_2 \rightarrow [QOOH_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow OH + \text{prod_4--}$ $>[prod_4]$ </p>
38	<p> $[nR]nROO \Rightarrow QOOH_2 \rightarrow [QOOH_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow OH + \text{prod_4--}$ $>[prod_4]prod_4 \Rightarrow \text{frag_4} + OH-- \rightarrow [frag_4]$ </p>

39	<p> $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow$ $[OQ'O_1] OQ'O_1 \Rightarrow vinoxy + CH_2O \rightarrow [CH_2O] iROO + CH_2O \Rightarrow iROOH + HCO \rightarrow$ $[HCO] HCO + O_2 \Rightarrow formylperoxy \rightarrow$ $[formylperoxy] C_3H_8 + formylperoxy \Rightarrow iR + formylooh \rightarrow$ $[formylooh] formylooh \Rightarrow formyloxy + OH \rightarrow [formyloxy]$ </p>
40	<p> $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow$ $[OQ'O_1] OQ'O_1 \Rightarrow vinoxy + CH_2O \rightarrow [CH_2O] CH_2O + OH \Rightarrow HCO + H_2O \rightarrow$ $[HCO] HCO + O_2 \Rightarrow formylperoxy \rightarrow$ $[formylperoxy] C_3H_8 + formylperoxy \Rightarrow iR + formylooh \rightarrow$ $[formylooh] formylooh \Rightarrow formyloxy + OH \rightarrow [formyloxy]$ </p>
41	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + nR \rightarrow [nROOH] nROOH \Rightarrow nRO + OH \rightarrow$ $[nRO] nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5] CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + nR \rightarrow$ $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]$ </p>
42	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + nR \rightarrow [nROOH] nROOH \Rightarrow nRO + OH \rightarrow$ $[nRO] nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5] CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + nR \rightarrow$ $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1]$ </p>
43	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH] nROOH \Rightarrow nRO + OH \rightarrow$ $[nRO] nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5] CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + nR \rightarrow$ $[CH_3CH_2OOH] CH_3CH_2OOH \Rightarrow ethoxy + OH \rightarrow [ethoxy]$ </p>
44	<p> $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow$ $[OQ'O_1] OQ'O_1 \Rightarrow vinoxy + CH_2O \rightarrow [CH_2O] iROO + CH_2O \Rightarrow iROOH + HCO \rightarrow$ $[iROOH] iROOH \Rightarrow iRO + OH \rightarrow [iRO] iRO \Rightarrow CH_3 + acetaldehyde \rightarrow$ $[CH_3] CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2 \rightarrow [CH_3OOH] CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$ </p>
45	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH] nROOH \Rightarrow nRO + OH \rightarrow$ $[nRO] nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5] CH_3CH_2OO + HO_2 \Rightarrow CH_3CH_2OOH + O_2 \rightarrow$ $[CH_3CH_2OOH] CH_3CH_2OOH \Rightarrow ethoxy + OH \rightarrow [ethoxy]$ </p>
46	<p> $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow$ $[OQ'O_1] OQ'O_1 \Rightarrow vinoxy + CH_2O \rightarrow [vinoxy] vinoxy + O_2 \Rightarrow CH_2O + CO + OH \rightarrow$ $[CH_2O] CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO \rightarrow [HCO] HCO + O_2 \Rightarrow formylperoxy \rightarrow$ $[formylperoxy] C_3H_8 + formylperoxy \Rightarrow iR + formylooh \rightarrow$ $[formylooh] formylooh \Rightarrow formyloxy + OH \rightarrow [formyloxy]$ </p>
47	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + nR \rightarrow [nROOH] nROOH \Rightarrow nRO + OH \rightarrow$ $[nRO] nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5] CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + nR \rightarrow$ $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow$ $[OQ'O_1] OQ'O_1 \Rightarrow vinoxy + CH_2O \rightarrow [vinoxy] vinoxy + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CO]$ </p>

48	$[nR]nROO \Rightarrow QOOH_2 \rightarrow [QOOH_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow well_2 \rightarrow [well_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow OH + prod_4 \rightarrow [prod_4]$
49	$[nR]nROO \Rightarrow QOOH_2 \rightarrow [QOOH_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow well_2 \rightarrow [well_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow OH + prod_4 \rightarrow [prod_4]prod_4 \Rightarrow frag_4 + OH \rightarrow [frag_4]$
50	$[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH \rightarrow [nRO]nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [CH_2O]CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO \rightarrow [CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$
51	$[nR]O_2QOOH_1 \Rightarrow OH + OQ'O_1 \rightarrow [OQ'O_1]OQ'O_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1]OQ'O_1 \Rightarrow vinox + CH_2O \rightarrow [CH_2O]CH_3CH_2OO + CH_2O \Rightarrow CH_3CH_2OOH + HCO \rightarrow [HCO]HCO + O_2 \Rightarrow formylperoxy \rightarrow [formylperoxy]C_3H_8 + formylperoxy \Rightarrow iR + formylooh \rightarrow [formylooh]formylooh \Rightarrow formyloxy + OH \rightarrow [formyloxy]$
52	$[nR]nROO + C_3H_8 \Rightarrow nROOH + nR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH \rightarrow [nRO]nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [CH_2O]iROO + CH_2O \Rightarrow iROOH + HCO \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]$
53	$[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]iRO \Rightarrow CH_3 + acetaldehyde \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'O_1 \rightarrow [OQ'O_1]$
54	$[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]iRO \Rightarrow CH_3 + acetaldehyde \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'O_1 \rightarrow [OQ'O_1]OQ'O_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1]$
55	$[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH \rightarrow [nRO]nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5]CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + iR \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]$
56	$[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]iRO \Rightarrow CH_3 + acetaldehyde \rightarrow [CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'O_1 \rightarrow [OQ'O_1]OQ'O_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1]OQ'O_1 \Rightarrow vinox + CH_2O \rightarrow [vinox]vinox + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CO]$
57	$[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH \rightarrow [nRO]nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5]CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + iR \rightarrow [iR]iROO + HO_2 \Rightarrow iROOH + O_2 \rightarrow [iROOH]iROOH \Rightarrow iRO + OH \rightarrow [iRO]$

58	<p> $[nR]nROO+C_3H_8=>nROOH+iR-->[iR]iROO+C_3H_8=>iROOH+iR--$ $>[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH_3+acetaldehyde--$ $>[CH_3]CH_3OO+C_3H_8=>CH_3OOH+nR-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$ </p>
59	<p> $[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxy+CH_2O-->[CH_2O]CH_3OO+CH_2O=>CH_3OOH+HCO--$ $>[HCO]HCO+O_2=>formylperoxy--$ $>[formylperoxy]CH_2O+formylperoxy=>HCO+formylooh--$ $>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$ </p>
60	<p> $[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxy+CH_2O-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH--$ $>[CH_2O]iROO+CH_2O=>iROOH+HCO-->[HCO]HCO+O_2=>formylperoxy--$ $>[formylperoxy]C_3H_8+formylperoxy=>iR+formylooh--$ $>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$ </p>
61	<p> $[nR]nROO+C_3H_8=>nROOH+iR-->[nROOH]nROOH=>nRO+OH--$ $>[nRO]nRO=>C_2H_5+CH_2O-->[CH_2O]nROO+CH_2O=>nROOH+HCO--$ $>[nROOH]nROOH=>nRO+OH-->[nRO]$ </p>
62	<p> $[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxy+CH_2O-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH--$ $>[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>formylperoxy--$ $>[formylperoxy]C_3H_8+formylperoxy=>iR+formylooh--$ $>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$ </p>
63	<p> $[nR]nROO+C_3H_8=>nROOH+nR-->[nROOH]nROOH=>nRO+OH--$ $>[nRO]nRO=>C_2H_5+CH_2O-->[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+iR--$ $>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]$ </p>
64	<p> $[nR]nROO+C_3H_8=>nROOH+iR-->[nROOH]nROOH=>nRO+OH--$ $>[nRO]nRO=>C_2H_5+CH_2O-->[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+iR--$ $>[iR]iROO+C_3H_8=>iROOH+nR-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]$ </p>
65	<p> $[nR]nROO+C_3H_8=>nROOH+iR-->[nROOH]nROOH=>nRO+OH--$ $>[nRO]nRO=>C_2H_5+CH_2O-->[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+iR--$ $>[iR]iROO+C_3H_8=>iROOH+nR-->[nR]O_2QOOH_1=>OH+OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]$ </p>
66	<p> $[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxy+CH_2O-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH--$ $>[CH_2O]iROO+CH_2O=>iROOH+HCO-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]iRO=>CH_3+acetaldehyde-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$ </p>

67	<p> $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow$ $[OQ'O_1] OQ'O_1 \Rightarrow vinoxyl + CH_2O \rightarrow [CH_2O] CH_2O + HO_2 \Rightarrow HCO + H_2O_2 \rightarrow$ $[HCO] HCO + O_2 \Rightarrow \text{formylperoxy} \rightarrow$ $[formylperoxy] C_3H_8 + \text{formylperoxy} \Rightarrow iR + \text{formyllooh} \rightarrow$ $[formyllooh] \text{formyllooh} \Rightarrow \text{formylloxy} + OH \rightarrow [formylloxy]$ </p>
68	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + nR \rightarrow [nROOH] nROOH \Rightarrow nRO + OH \rightarrow$ $[nRO] nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5] CH_3CH_2OO + HO_2 \Rightarrow CH_3CH_2OOH + O_2 \rightarrow$ $[CH_3CH_2OOH] CH_3CH_2OOH \Rightarrow \text{ethoxy} + OH \rightarrow [ethoxy]$ </p>
69	<p> $[nR]nROO \Rightarrow QOOH_2 \rightarrow [QOOH_2] well_2 \Rightarrow well_3 \rightarrow [well_3] well_3 \Rightarrow well_2 \rightarrow$ $[well_2] well_2 \Rightarrow well_3 \rightarrow [well_3] well_3 \Rightarrow well_2 \rightarrow [well_2] well_2 \Rightarrow well_3 \rightarrow$ $[well_3] well_3 \Rightarrow OH + prod_4 \rightarrow [prod_4]$ </p>
70	<p> $[nR]nROO \Rightarrow QOOH_2 \rightarrow [QOOH_2] well_2 \Rightarrow well_3 \rightarrow [well_3] well_3 \Rightarrow well_2 \rightarrow$ $[well_2] well_2 \Rightarrow well_3 \rightarrow [well_3] well_3 \Rightarrow well_2 \rightarrow [well_2] well_2 \Rightarrow well_3 \rightarrow$ $[well_3] well_3 \Rightarrow OH + prod_4 \rightarrow [prod_4] prod_4 \Rightarrow frag_4 + OH \rightarrow [frag_4]$ </p>
71	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [iR] iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow$ $[iROOH] iROOH \Rightarrow iRO + OH \rightarrow [iRO] iRO \Rightarrow CH_3 + \text{acetaldehyde} \rightarrow$ $[acetaldehyde] CH_3OO + \text{acetaldehyde} \Rightarrow CH_3OOH + \text{acetyl} \rightarrow$ $[CH_3OOH] CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$ </p>
72	<p> $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow$ $[OQ'O_1] OQ'O_1 \Rightarrow vinoxyl + CH_2O \rightarrow [CH_2O] CH_2O + OH \Rightarrow HCO + H_2O \rightarrow$ $[HCO] HCO + O_2 \Rightarrow \text{formylperoxy} \rightarrow$ $[formylperoxy] CH_2O + \text{formylperoxy} \Rightarrow HCO + \text{formyllooh} \rightarrow$ $[formyllooh] \text{formyllooh} \Rightarrow \text{formylloxy} + OH \rightarrow [formylloxy]$ </p>
73	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + nR \rightarrow [nROOH] nROOH \Rightarrow nRO + OH \rightarrow$ $[nRO] nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [CH_2O] CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO \rightarrow$ $[CH_3OOH] CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$ </p>
74	<p> $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow$ $[OQ'O_1] OQ'O_1 \Rightarrow vinoxyl + CH_2O \rightarrow [vinoxyl] vinoxyl + O_2 \Rightarrow CH_2O + CO + OH \rightarrow$ $[CH_2O] CH_3CH_2OO + CH_2O \Rightarrow CH_3CH_2OOH + HCO \rightarrow [HCO] HCO + O_2 \Rightarrow \text{formylperoxy} \rightarrow$ $[formylperoxy] C_3H_8 + \text{formylperoxy} \Rightarrow iR + \text{formyllooh} \rightarrow$ $[formyllooh] \text{formyllooh} \Rightarrow \text{formylloxy} + OH \rightarrow [formylloxy]$ </p>
75	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH] nROOH \Rightarrow nRO + OH \rightarrow$ $[nRO] nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5] CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + iR \rightarrow$ $[iR] iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR] O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow$ $[OQ'OOH_1] OQ'OOH_1 \Rightarrow OQ'O_1 + OH \rightarrow [OQ'O_1] OQ'O_1 \Rightarrow vinoxyl + CH_2O \rightarrow$ $[vinoxyl] vinoxyl + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CO]$ </p>

76	<p> $[nR]nROO+C_3H_8=>nROOH+iR-->[iR]iROO+C_3H_8=>iROOH+iR--$ $>[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH_3+acetaldehyde--$ $>[acetaldehyde]acetaldehyde+acetylperoxy=>acetyl+CH_3CO_3H--$ $>[CH_3CO_3H]CH_3CO_3H=>acetyloxy+OH-->[acetyloxy]$ </p>
77	<p> $[nR]O_2QOOH_1=>OH+prod_3-->[prod_3]$ </p>
78	<p> $[nR]O_2QOOH_1=>OH+prod_3-->[prod_3]prod_3=>frag_3+OH-->[frag_3]$ </p>
79	<p> $[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O-->[CH_2O]CH_3OO+CH_2O=>CH_3OOH+HCO--$ $>[HCO]HCO+O_2=>formylperoxy--$ $>[formylperoxy]C_3H_8+formylperoxy=>nR+formylooh--$ $>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$ </p>
80	<p> $[nR]nROO=>QOOH_2-->[QOOH_2]well_2=>well_3-->[well_3]well_3=>well_5--$ $>[well_5]well_5=>OH+prod_3-->[prod_3]$ </p>
81	<p> $[nR]nROO=>QOOH_2-->[QOOH_2]well_2=>well_3-->[well_3]well_3=>well_5--$ $>[well_5]well_5=>OH+prod_3-->[prod_3]prod_3=>frag_3+OH-->[frag_3]$ </p>
82	<p> $[nR]nROO+C_3H_8=>nROOH+iR-->[iR]iROO+C_3H_8=>iROOH+nR--$ $>[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH_3+acetaldehyde--$ $>[CH_3]CH_3OO+C_3H_8=>CH_3OOH+iR-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$ </p>
83	<p> $[nR]nROO+C_3H_8=>nROOH+iR-->[iR]iROO+C_3H_8=>iROOH+iR--$ $>[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH_3+acetaldehyde--$ $>[acetaldehyde]iROO+acetaldehyde=>iROOH+acetyl-->[iROOH]iROOH=>iRO+OH--$ $>[iRO]$ </p>
84	<p> $[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O-->[CH_2O]iROO+CH_2O=>iROOH+HCO--$ $>[HCO]HCO+O_2=>formylperoxy--$ $>[formylperoxy]CH_2O+formylperoxy=>HCO+formylooh--$ $>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$ </p>
85	<p> $[nR]nROO+C_3H_8=>nROOH+nR-->[nROOH]nROOH=>nRO+OH--$ $>[nRO]nRO=>C_2H_5+CH_2O-->[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+iR--$ $>[iR]iROO+C_3H_8=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-->[iRO]$ </p>
86	<p> $[nR]O_2QOOH_1=>OH+OQ'OOH_1-->[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH--$ $>[OQ'O_1]OQ'O_1=>vinoxyl+CH_2O-->[CH_2O]nROO+CH_2O=>nROOH+HCO--$ $>[HCO]HCO+O_2=>formylperoxy--$ $>[formylperoxy]C_3H_8+formylperoxy=>iR+formylooh--$ $>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$ </p>
87	<p> $[nR]nROO+C_3H_8=>nROOH+iR-->[nROOH]nROOH=>nRO+OH--$ $>[nRO]nRO=>C_2H_5+CH_2O-->[CH_2O]CH_2O+acetylperoxy=>HCO+CH_3CO_3H--$ $>[CH_3CO_3H]CH_3CO_3H=>acetyloxy+OH-->[acetyloxy]$ </p>

88	<p> $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH--$ $>[OQ'O_1]OQ'O_1 \Rightarrow vinoxy + CH_2O \rightarrow [CH_2O]CH_3CH_2OO + CH_2O \Rightarrow CH_3CH_2OOH + HCO--$ $>[HCO]HCO + O_2 \Rightarrow formylperoxy--$ $>[formylperoxy]CH_2O + formylperoxy \Rightarrow HCO + formylooh--$ $>[formylooh]formylooh \Rightarrow formyloxy + OH-- \rightarrow [formyloxy]$ </p>
89	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + nR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH--$ $>[nRO]nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5]CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + iR--$ $>[iR]iROO + HO_2 \Rightarrow iROOH + O_2 \rightarrow [iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]$ </p>
90	<p> $[nR]nROO \Rightarrow QOOH_2 \rightarrow [QOOH_2]well_2 \Rightarrow OH + prod_5 \rightarrow [prod_5]$ </p>
91	<p> $[nR]nROO \Rightarrow QOOH_2 \rightarrow [QOOH_2]well_2 \Rightarrow OH + prod_5--$ $>[prod_5]prod_5 \Rightarrow frag_5 + OH-- \rightarrow [frag_5]$ </p>
92	<p> $[nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH--$ $>[OQ'O_1]OQ'O_1 \Rightarrow vinoxy + CH_2O \rightarrow [vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH--$ $>[CH_2O]CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO \rightarrow [HCO]HCO + O_2 \Rightarrow formylperoxy--$ $>[formylperoxy]CH_2O + formylperoxy \Rightarrow HCO + formylooh--$ $>[formylooh]formylooh \Rightarrow formyloxy + OH-- \rightarrow [formyloxy]$ </p>
93	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH--$ $>[nRO]nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5]CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + iR--$ $>[iR]iROO + C_3H_8 \Rightarrow iROOH + iR \rightarrow [iROOH]iROOH \Rightarrow iRO + OH--$ $>[iRO]iRO \Rightarrow CH_3 + acetaldehyde \rightarrow [CH_3]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2--$ $>[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH-- \rightarrow [CH_3O]$ </p>
94	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + iR--$ $>[iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]iRO \Rightarrow CH_3 + acetaldehyde--$ $>[acetaldehyde]CH_3OO + acetaldehyde \Rightarrow CH_3OOH + acetyl--$ $>[acetyl]acetylperoxy + HO_2 \Rightarrow CH_3CO_3H + O_2 \rightarrow [CH_3CO_3H]CH_3CO_3H \Rightarrow acetyloxy + OH--$ $>[acetyloxy]$ </p>
95	<p> $[nR]nROO + C_3H_8 \Rightarrow nROOH + nR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH--$ $>[nRO]nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [CH_2O]nROO + CH_2O \Rightarrow nROOH + HCO--$ $>[nROOH]nROOH \Rightarrow nRO + OH-- \rightarrow [nRO]$ </p>
96	<p> $[nR]nROO \Rightarrow QOOH_2 \rightarrow [QOOH_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow well_2--$ $>[well_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow well_2 \rightarrow [well_2]well_2 \Rightarrow well_3--$ $>[well_3]well_3 \Rightarrow well_2 \rightarrow [well_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow OH + prod_4--$ $>[prod_4]$ </p>
97	<p> $[nR]nROO \Rightarrow QOOH_2 \rightarrow [QOOH_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow well_2--$ $>[well_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow well_2 \rightarrow [well_2]well_2 \Rightarrow well_3--$ $>[well_3]well_3 \Rightarrow well_2 \rightarrow [well_2]well_2 \Rightarrow well_3 \rightarrow [well_3]well_3 \Rightarrow OH + prod_4--$ $>[prod_4]prod_4 \Rightarrow frag_4 + OH-- \rightarrow [frag_4]$ </p>

98	$[nR]nROO + C_3H_8 \Rightarrow nROOH + nR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH--$ $>[nRO]nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5]CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + iR--$ $>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1 \rightarrow [OQ'OOH_1]$
99	$[nR]nROO + C_3H_8 \Rightarrow nROOH + nR \rightarrow [nROOH]nROOH \Rightarrow nRO + OH--$ $>[nRO]nRO \Rightarrow C_2H_5 + CH_2O \rightarrow [C_2H_5]CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + iR--$ $>[iR]iROO + C_3H_8 \Rightarrow iROOH + nR \rightarrow [nR]O_2QOOH_1 \Rightarrow OH + OQ'OOH_1--$ $>[OQ'OOH_1]OQ'OOH_1 \Rightarrow OQ'O_1 + OH-- \rightarrow [OQ'O_1]$
100	$[nR]nROO + C_3H_8 \Rightarrow nROOH + iR \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + nR--$ $>[iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]iRO \Rightarrow CH_3 + \text{acetaldehyde}--$ $>[CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + iR \rightarrow [iR]iROO + C_3H_8 \Rightarrow iROOH + iR--$ $>[iROOH]iROOH \Rightarrow iRO + OH-- \rightarrow [iRO]$