	t0	0.00E+00
	tf	9.00E-01
1	[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]	4.18E-02
2	[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]	3.08E-02
3	[iR]iROO+C_3H_8=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-->[iRO]	2.44E-02
4	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-->[allyl]allyl+HO_2=>prod_2-- >[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	1.89E-02
5	[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]	1.86E-02
6	[iR]iROO+C_3H_8=>iROOH+nR-->[nR]O_2QOOH_1=>OH+$OQ'OOH_1$-->[$OQ'OOH_1$]	1.86E-02
7	[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-->[$OQ'O_1$]	1.86E-02
8	[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]	1.80E-02
9	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>propen1ol+OH-->[propen1ol]	1.63E-02
10	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2-->[allyl]allyl+HO_2=>prod_2-- >[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	1.06E-02
11	[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]	1.03E-02
12	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>OH+propoxide-->[propoxide]	8.73E-03
13	[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-- >[nR]O_2QOOH_1=>OH+$OQ'OOH_1$-->[$OQ'OOH_1$]	7.87E-03
14	[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-- >[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]	7.87E-03
15	[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-- >[nR]O_2QOOH_1=>OH+$OQ'OOH_1$-->[$OQ'OOH_1$]$OQ'OOH_1$=>$OQ'O_1$+OH-->[$OQ'O_1$]	7.87E-03
16	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-->[allyl]allyl+HO_2=>allyloxy+OH-- >[allyloxy]	6.72E-03

17	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-->[allyl]iROO+allyl=>iRO+allyloxy-->[iRO]iRO=>CH_3+acetaldehyde-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	6.61E-03
18	[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+nR-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	6.00E-03
19	[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH_3+acetaldehyde-->[acetaldehyde]acetaldehyde+HO_2=>acetyl+H_2O_2-->[acetyl]acetyl(+M)=>CH_3+CO(+M)-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	5.71E-03
20	[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+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]	4.60E-03
21	[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+nR-->[nR]O_2QOOH_1=>OH+$OQ'OOH_1$-->[$OQ'OOH_1$]	4.59E-03
22	[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+nR-->[nR]O_2QOOH_1=>OH+$OQ'OOH_1$-->[$OQ'OOH_1$]$OQ'OOH_1$=>$OQ'O_1$+OH-->[$OQ'O_1$]	4.59E-03
23	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2-->[allyl]allyl+HO_2=>allyloxy+OH-->[allyloxy]	4.27E-03
24	[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-->[allyl]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	3.95E-03
25	[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH_3+acetaldehyde-->[acetaldehyde]CH_3OO+acetaldehyde=>CH_3OOH+acetyl-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	3.81E-03
26	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>QOOH_2-->[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]	3.80E-03
27	[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>propen1ol+OH-->[propen1ol]	3.41E-03

28	[iR]iROO+C_3H_8=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-- >[iRO]iRO=>CH_3+acetaldehyde-->[acetaldehyde]acetaldehyde+HO_2=>acetyl+H_2O_2-- >[acetyl]acetyl(+M)=>CH_3+CO(+M)-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-- >[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	3.35E-03
29	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-- >[allyl]nROO+allyl=>nRO+allyloxy-->[nRO]nRO=>C_2H_5+CH_2O-- >[C_2H_5]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH- ->[ethoxy]	3.11E-03
30	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-- >[OQ'OOH_1]	3.00E-03
31	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR-->[nR]O_2QOOH_1=>OH+OQ'OOH_1-- >[OQ'OOH_1]OQ'OOH_1=>OQ'O_1+OH-->[OQ'O_1]	3.00E-03
32	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>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]	2.99E-03
33	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>propen2yl+H_2O-- >[propen2yl]propen2yl+O_2=>acetyl+CH_2O-->[acetyl]acetyl(+M)=>CH_3+CO(+M)-- >[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	2.69E-03
34	[iR]iROO+C_3H_8=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-- >[iRO]iRO=>CH_3+acetaldehyde-- >[acetaldehyde]CH_3OO+acetaldehyde=>CH_3OOH+acetyl-- >[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	2.23E-03
35	[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2-->[allyl]allyl+HO_2=>prod_2-- >[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	2.21E-03
36	[iR]iROO=>QOOH_3-->[QOOH_3]QOOH_3=>OH+propoxide-->[propoxide]	2.19E-03
37	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2-- >[allyl]iROO+allyl=>iRO+allyloxy-->[iRO]iRO=>CH_3+acetaldehyde-- >[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	2.01E-03
38	[iR]iROO=>OH+propoxide-->[propoxide]	1.91E-03
39	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR-->[iR]iROO+HO_2=>iROOH+O_2-- >[iROOH]iROOH=>iRO+OH-->[iRO]	1.88E-03

40	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-- >[allyl]nROO+allyl=>nRO+allyloxy-->[nRO]nRO=>C_2H_5+CH_2O-- >[C_2H_5]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH- ->[ethoxy]ethoxy=>CH_3+CH_2O-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-- >[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	1.86E-03
41	[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>OH+propoxide-->[propoxide]	1.81E-03
42	[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-- >[iRO]iRO=>CH_3+acetaldehyde-->[acetaldehyde]acetaldehyde+HO_2=>acetyl+H_2O_2-- >[acetyl]acetyl(+M)=>CH_3+CO(+M)-->[CH_3]CH_3OO+CH_2O=>CH_3OOH+HCO-- >[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	1.63E-03
43	[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-->[allyl]allyl+HO_2=>allyloxy+OH-- >[allyloxy]	1.41E-03
44	[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-->[allyl]iROO+allyl=>iRO+allyloxy- ->[iRO]iRO=>CH_3+acetaldehyde-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-- >[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	1.37E-03
45	[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-- >[iRO]iRO=>CH_3+acetaldehyde-- >[acetaldehyde]nROO+acetaldehyde=>nROOH+acetyl-- >[nROOH]nROOH=>nRO+OH-->[nRO]	1.35E-03
46	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+nROO=>allyl+nROOH-- >[nROOH]nROOH=>nRO+OH-->[nRO]	1.32E-03
47	[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-- >[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]	1.31E-03
48	[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-- >[iRO]iRO=>CH_3+acetaldehyde-->[acetaldehyde]acetaldehyde+OH=>vinoxy+H_2O-- >[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]	1.20E-03
49	[iR]O_2+iR=>OH+propoxide-->[propoxide]	1.18E-03
50	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR-->[nR]nROO+HO_2=>nROOH+O_2-- >[nROOH]nROOH=>nRO+OH-->[nRO]	1.15E-03
51	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-->[allyl]allyl+HO_2=>prod_2-- >[prod_2]prod_2=>allyloxy+OH-->[allyloxy]allyloxy=>acrolein+H-- >[acrolein]acrolein+HO_2=>CH_2CHCO+H_2O_2-->[CH_2CHCO]CH_2CHCO+O_2=>vinoxy+CO_2-- >[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]	1.14E-03

52	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR-->[iR]iROO+HO_2=>iROOH+O_2-- >[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]	1.14E-03
53	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-- >[allyl]nROO+allyl=>nRO+allyloxy-->[allyloxy]allyloxy=>acrolein+H-- >[acrolein]acrolein+HO_2=>CH_2CHCO+H_2O_2-->[CH_2CHCO]CH_2CHCO+O_2=>vinoxy+CO_2-- >[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]	1.09E-03
54	[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]	1.08E-03
55	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+CH_3OO=>allyl+CH_3OOH-- >[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	1.06E-03
56	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+iROO=>allyl+iROOH-->[iROOH]iROOH=>iRO+OH-- >[iRO]	1.00E-03
57	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+CH_3CH_2OO=>allyl+CH_3CH_2OOH-- >[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]	9.24E-04
58	[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2-- >[allyl]allyl+HO_2=>allyloxy+OH-->[allyloxy]	9.08E-04
59	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-->[allyl]iROO+allyl=>iRO+allyloxy- ->[allyloxy]allyloxy=>acrolein+H-->[acrolein]acrolein+HO_2=>CH_2CHCO+H_2O_2-- >[CH_2CHCO]CH_2CHCO+O_2=>vinoxy+CO_2-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]	9.05E-04
60	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR-->[iR]iROO+CH_2O=>iROOH+HCO-- >[iROOH]iROOH=>iRO+OH-->[iRO]	8.73E-04
61	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-- >[allyl]allyl+CH_3OO=>allyloxy+CH_3O-->[allyloxy]allyloxy=>acrolein+H-- >[acrolein]acrolein+HO_2=>CH_2CHCO+H_2O_2-->[CH_2CHCO]CH_2CHCO+O_2=>vinoxy+CO_2-- >[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]	8.21E-04
62	[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>QOOH_2-- >[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]	8.00E-04
63	[iR]iROO+C_3H_8=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-- >[iRO]iRO=>CH_3+acetaldehyde-->[acetaldehyde]acetaldehyde+OH=>vinoxy+H_2O-- >[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]	7.02E-04

64	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+H=>allyl+H_2-->[allyl]allyl+HO_2=>prod_2-- >[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	6.51E-04
65	[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>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]	6.29E-04
66	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR-->[nR]nROO+CH_2O=>nROOH+HCO-- >[nROOH]nROOH=>nRO+OH-->[nRO]	6.29E-04
67	[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR-->[nR]O_2QOOH$_1$=>OH+OQ'OOH$_1$-- >[OQ'OOH$_1$]	6.26E-04
68	[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR-->[nR]O_2QOOH$_1$=>OH+OQ'OOH$_1$-- >[OQ'OOH$_1$]OQ'OOH$_1$=>OQ'O$_1$+OH-->[OQ'O$_1$]	6.22E-04
69	[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-- >[iRO]iRO=>CH_3+acetaldehyde-->[acetaldehyde]acetaldehyde+HO_2=>acetyl+H_2O_2-- >[acetyl]acetylperoxy+HO_2=>CH_3CO_3H+O_2-->[CH_3CO_3H]CH_3CO_3H=>acetyloxy+OH-- >[acetyloxy]	5.73E-04
70	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>ethenol+CH_3-- >[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	5.29E-04
71	[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-- >[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>propen1ol+OH-->[propen1ol]	5.09E-04
72	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>QOOH_3-- >[QOOH_3]QOOH_3=>OH+propoxide-->[propoxide]	4.86E-04
73	[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-- >[iRO]iRO=>CH_3+acetaldehyde-->[acetaldehyde]acetaldehyde+HO_2=>acetyl+H_2O_2-- >[acetyl]H_2O_2+acetylperoxy=>HO_2+CH_3CO_3H-->[CH_3CO_3H]CH_3CO_3H=>acetyloxy+OH-- >[acetyloxy]	4.70E-04
74	[iR]iROO+C_3H_8=>iROOH+nR-->[nR]O_2QOOH$_1$=>HO_2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	4.61E-04
75	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2-->[allyl]allyl+HO_2=>prod_2-- >[prod_2]prod_2=>allyloxy+OH-->[allyloxy]allyloxy=>acrolein+H-- >[acrolein]acrolein+HO_2=>CH_2CHCO+H_2O_2-->[CH_2CHCO]CH_2CHCO+O_2=>vinoxy+CO_2-- >[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]	4.53E-04

76	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-->[allyl]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]allyloxy=>acrolein+H-->[acrolein]acrolein+CH_3OO=>CH_2CHCO+CH_3OOH-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]	4.19E-04
77	[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR-->[iR]iROO+HO_2=>iROOH+O_2-->[iROOH]iROOH=>iRO+OH-->[iRO]	3.94E-04
78	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+nROO=>allyl+nROOH-->[allyl]allyl+HO_2=>prod_2->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	3.81E-04
79	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-->[allyl]allyl+HO_2=>allyloxy+OH-->[allyloxy]allyloxy=>acrolein+H-->[acrolein]acrolein+HO_2=>CH_2CHCO+H_2O_2-->[CH_2CHCO]CH_2CHCO+O_2=>vinoxy+CO_2-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]	3.71E-04
80	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>propen2yl+H_2O-->[propen2yl]propen2yl+O_2=>acetyl+CH_2O-->[acetyl]acetylperoxy+HO_2=>CH_3CO_3H+O_2-->[CH_3CO_3H]CH_3CO_3H=>acetyloxy+OH-->[acetyloxy]	3.36E-04
81	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR-->[iR]iROO+C_3H_8=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]	3.32E-04
82	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+CH_3OO=>allyl+CH_3OOH-->[allyl]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	3.17E-04
83	[iR]O_2+iR=>QOOH_3-->[QOOH_3]QOOH_3=>OH+propoxide-->[propoxide]	3.14E-04
84	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>propen1ol+OH-->[propen1ol]propen1ol+HO_2=>CH_2O+C_2H_3+H_2O_2-->[C_2H_3]C_2H_3+O_2=>O+vinoxy-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]	2.89E-04
85	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>propen1ol+OH-->[propen1ol]propen1ol+OH=>CH_2O+C_2H_3+H_2O-->[C_2H_3]C_2H_3+O_2=>O+vinoxy-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]	2.80E-04
86	[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-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>OH+propoxide-->[propoxide]	2.72E-04
87	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-->[allyl]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]allyloxy=>acrolein+H-->[acrolein]acrolein+HO_2=>CH_2CHCO+H_2O_2-->[CH_2CHCO]CH_2CHCO=>C_2H_3+CO-->[C_2H_3]C_2H_3+O_2=>O+vinoxy-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]	2.60E-04

88	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+H=>allyl+H_2-->[allyl]allyl+HO_2=>allyloxy+OH-->[allyloxy]	2.45E-04
89	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR-->[nR]nROO=>OH+propoxide-->[propoxide]	2.37E-04
90	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>propen1ol+OH-->[propen1ol]	2.18E-04
91	[iR]iROO+C_3H_8=>iROOH+nR-->[nR]nROO=>OH+propoxide-->[propoxide]	2.08E-04
92	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O-->[allyl]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	2.07E-04
93	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2-->[allyl]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	1.64E-04
94	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR-->[nR]O_2QOOH_1=>HO_2+prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	1.57E-04
95	[iR]iROO+C_3H_8=>iROOH+nR-->[nR]nROO=>QOOH_2-->[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]	1.45E-04
96	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR-->[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>OH+propoxide-->[propoxide]	1.19E-04
97	[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]HO_2+C_3H_6=>QOOH_3-->[QOOH_3]QOOH_3=>OH+propoxide-->[propoxide]	1.02E-04
98	[iR]iROO=>QOOH_3-->[QOOH_3]well_3=>well_2-->[well_2]QOOH_2=>OH+propoxide-->[propoxide]	1.01E-04
99	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>iR-->[iR]O_2+iR=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>propen1ol+OH-->[propen1ol]	7.89E-05
100	[iR]iROO=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>nR-->[nR]nROO=>QOOH_2-->[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]	7.26E-05