	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH	
1	>[propen1ol]	0.00254455
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
2	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	0.00710584
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>OH+propoxide	
3	>[propoxide]	0.00144068
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
4	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	0.00197239
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
5	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	0.00208199
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>QOOH_2	
6	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	0.00075572
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
7	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	0.00624673
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
8	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	0.00093646
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH	
9	>[propen1ol]	0.00144494
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
10	>[npropyl]well_1=>OH+prod_1>[prod_1]	0.00101995
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
11	>[frag_1]	0.00101995
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
12	>[CO]	0.0010193
	[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	
13	>[propoxide]	0.00192839
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	0.00098754
15	[ipropyl]ipropyloo=>OH+propoxide>[propoxide]	0.0021446
	[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $HO_2$ + $C_3H_6$ => $OH$ +propoxide	
16	>[propoxide]	0.00081805

	[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $C_3H_6$ +OH=>allyl+ $H_2$ O	
17	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	0.00111995
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
18	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	0.00068115
19	[ipropyl]O <sub>2</sub> +ipropyl=>OH+propoxide>[propoxide]	0.003116
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
20	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	0.00118243
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
21	>[npropyl]well_1=>OH+prod_1>[prod_1]	0.00010959
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
22	>[frag_1]	0.00010907
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>QOOH_2	
23	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	0.00042911
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
24	>[CO]	0.00010903
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 > [C_3H_6]C_3H_6 + OH = > allyl + H_2O$	
25	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	0.00053169
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
26	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.9823E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
27	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	0.00016728
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH_3$	
28	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	8.6205E-05

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
29	->[prod_1]	4.6049E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
30	->[prod_1]prod_1=>frag_1+OH>[frag_1]	4.6048E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
	->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
31	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.6019E-05
31		4.00191-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
27	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	0.00028266
32	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	0.00028200
22	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	0.0005.0003
33	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	0.00056083
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
34	>[CH <sub>3</sub> O]	8.6336E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
35	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	0.0005988
	[ipropyl]O <sub>2</sub> +ipropyl=>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	
36	>[propoxide]	0.00066969

	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]npropyloo+HO <sub>2</sub> =>npropylooh+O <sub>2</sub>	
37	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.1382E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+OH=>vinoxy+H <sub>2</sub> O	
38	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.1633E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>allyl+H_2$	
39	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	6.8446E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
40	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.507E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
41	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.0382E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
42	>[npropyl]npropyloo=>OH+propoxide>[propoxide]	2.8301E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$	
	>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
43	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	0.00015097
	$\frac{[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl}{[ipropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl}$	
	>[ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> = $>$ propen1ol+OH	
44	>[propen1ol]	2.2315E-06

	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
45	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.9706E-05
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
46	>[npropyl]well_1=>OH+prod_1>[prod_1]	6.2219E-05
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
47	>[frag_1]	6.1981E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +npropyloo=>allyl+npropylooh	
48	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	7.1654E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
49	>[CH <sub>3</sub> O]	7.0914E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+CH_3OO=>allyl+CH_3OOH$	
50	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	6.714E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +ipropyloo=>allyl+ipropylooh	
51	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.23E-05
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
52	>[CO]	6.1918E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
53	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.2284E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
54	>[CH <sub>3</sub> O]	9.1393E-05

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	[incomulinganylag=>110 +C     >[C     10     + o    -> allyl+    O	
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
61	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	4 4 4 7 7 5 0 6
61	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.1477E-06
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
62	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.1256E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> = $>$ OH+propoxide	
63	>[propoxide]	1.2691E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
64	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.2518E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
65	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.6142E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +CH <sub>3</sub> CH <sub>2</sub> OO=>allyl+CH <sub>3</sub> CH <sub>2</sub> OOH	
66	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.748E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
67	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.8927E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>allyl+H_2$	
68	$ [allyl]allyl+HO_2=>allyloxy+OH>[allyloxy]$	3.2485E-05
	[ [ally1]ally1+1102=2ally10xy+0+1>[ally10xy]	3.2 1032 03

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
69	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.1694E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	
70	->[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH>[propen1ol]	1.7068E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
71	>[npropyl]npropyloo=>OH+propoxide>[propoxide]	0.00023554
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
72	$>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	4.1188E-06
, -	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6> [C_3H_6]HO_2 + C_3H_6 = > QOOH_3$	
73	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	4.895E-05
7.5	[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>well_2	1.0332 03
74	>[well_2]QOOH_2=>OH+propoxide>[propoxide]	4.6736E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
75	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.73E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
76	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.5615E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
77	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	7.2035E-06
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 > [C_3H_6]C_3H_6 + OH = > allyl + H_2O OH = > allyl + OH = >$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
78	>[CH <sub>3</sub> O]	4.9026E-05

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
79	>[CH <sub>3</sub> O]	9.6804E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+OH=>vinoxy+H <sub>2</sub> O	
80	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.9019E-05
	[inconv]inconv oo=>UO IC U >[C U ]C U IOU=>propon()v IU O	
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$	
	>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
01	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	1.0083E-06
01	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.0083L-00
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>ethenol+CH_3$	
0.3	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	2 07125 05
82	>[CH <sub>3</sub> O]	2.9713E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
83	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	3.9769E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	S[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
84	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.8001E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	1,00011 00
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
85	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.6717E-05
	r 1 1 1 1 1 1 2 2 2 3 1 1 1 1 1 1 1 1 1 1	

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
86	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	7.5338E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
87	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.8318E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
88	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	4.4334E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +npropyloo=>allyl+npropylooh>[allyl]allyl+HO <sub>2</sub> =>prod_2	
89	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.1972E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide-	
90	->[propoxide]	5.729E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH	
	>[propen1ol]propen1ol+HO <sub>2</sub> =>CH <sub>2</sub> O+C <sub>2</sub> H <sub>3</sub> +H <sub>2</sub> O <sub>2</sub>	
91	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	8.9236E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
_	>[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide-	
92	->[propoxide]	5.0059E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]O <sub>2</sub> +ipropyl= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> $>$ [C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> = $>$ propen1ol+OH	4.00
93	>[propen1ol]	1.2936E-06

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH>[propen1ol]propen1ol+OH=> $CH_2O+C_2H_3+H_2O$	
94	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	5.3051E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>$ [ $C_3H_6$ ] $C_3H_6+OH=>$ allyl+ $H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
95	>[CH <sub>3</sub> O]	6.7715E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
0.0	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	0.66425.07
96	->[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>OH+propoxide>[propoxide]	9.6642E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+CH_3OO=>allyl+CH_3OOH$	
97	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.1448E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	0.202.00
	>[npropyl]well_1=>HO <sub>2</sub> +prod_2>[prod_2]prod_2=>allyloxy+OH	
98	>[allyloxy]	8.6011E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]well_1=>HO <sub>2</sub> +prod_2>[prod_2]prod_2=>allyloxy+OH	
99	>[allyloxy]	9.499E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO= $>$ C <sub>2</sub> H <sub>3</sub> +CO- $>$ [C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> = $>$ O+vinoxy	
100	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	5.5998E-06

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ $H_2O$	
	>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
101	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.6357E-06
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo+HO <sub>2</sub> =>npropylooh+O <sub>2</sub>	
102	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.2142E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+ipropyloo=>O <sub>2</sub> +ipropyloxy+ipropyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
103	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	4.575E-07
103	>[CH <sub>3</sub> O]	4.373L-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
104	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.855E-05
	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	$>[allyloxy]allyloxy=>C_2H_3+CH_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
105	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	3.2816E-05
100	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH	1 2025 00
106	$>[propen1ol]propen1ol+H=>C_3H_6+OH>[C_3H_6]$	1.3683E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	
	$->[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>prod_2$	
107	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.3231E-06
	ı	

$[ipropyl]ipropyloo=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy>[ipropyloxy]ipropyloxy=>CH_3+acetaldehyde>===================================$
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub> >[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> 108 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]  [ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O >[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH >[allyloxy]allyloxy=>acrolein+H >[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub> >[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub> 109 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]  [ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>ipropyloo >[ipropyloo]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub> 110 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]  4.2623E-O
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub> >[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> 108 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]  [ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O >[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH >[allyloxy]allyloxy=>acrolein+H >[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub> >[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub> 109 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]  [ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>ipropyloo >[ipropyloo]ipropylooh=>ipropyloxy+OH>[ipropyloxy]  4.2623E-0
$   108 > [CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O]   2.7081E-OH_3OOH=>CH_3OOH>[CH_3O]   2.7081E-OH_3OOH=>CH_3OOH>[CH_3O]   2.7081E-OH_3OOH=>CH_3OOH>[CH_3O]   2.7081E-OH_3OOH=>CH_3OOH>[CI_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyl]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]   8.5678E-OH_3OOH=>COH_3OOH$
>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH >[allyloxy]allyloxy=>acrolein+H >[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub> >[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub> 109 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]  [ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>ipropyloo >[ipropyloo]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub> 110 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]  4.2623E-0
>[allyloxy]allyloxy=>acrolein+H >[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub> >[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub> 109 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]  [ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>ipropyloo >[ipropyloo]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub> 110 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]  4.2623E-0
$ > [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]                                   $
$ > [CH_2CHCO]CH_2CHCO+O_2 = > vinoxy+CO_2 - 109 > [vinoxy]vinoxy+O_2 = > CH_2O+CO+OH>[CO]                                    $
$109 > [vinoxy]vinoxy+O_2 => CH_2O+CO+OH>[CO]$ $[ipropyl]ipropyloo=> HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6 => ipropyloo>[ipropyloo]ipropyloo+HO_2 => ipropylooh+O_2$ $110 > [ipropylooh]ipropylooh=> ipropyloxy+OH>[ipropyloxy]$ $4.2623E-O$
>[ipropyloo]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub> 110 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy] 4.2623E-0
110 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy] 4.2623E-0
[ipropyl]O tipropyl=>HO tC H ==>[C H ]C H tH=>>  v tH ==
[inropyl] +inropyl=>HO +C H>[C H ]C H +H=>>  v +H>
$111 > [allyl]allyl+HO2 = prod_2> [prod_2]prod_2 = >allyloxy+OH> [allyloxy] $ 3.8869E-0
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl
$>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>QOOH_2$
112 >[QOOH_2]QOOH_2=>OH+propoxide>[propoxide] 6.6671E-0
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>C_2H_4+CH_3$
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH
113 >[CH <sub>3</sub> O] 2.0634E-0
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$
>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O
>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H
$  114 \rangle [CH3CO3H]CH3CO3H=>acetyloxy+OH>[acetyloxy] $ 1.1321E-0
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O
>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>
115  > [CH3CH2OOH]CH3CH2OOH=> ethoxy+OH>[ethoxy]  2.085E-0

[ipropyl]	$ propyloo=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]n	oropyloo+allyl=>npropyloxy+allyloxy	
>[nprop	yloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C <sub>2</sub> H <sub>5</sub> ](	CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
116 >[CH <sub>3</sub> CH	<sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	5.2921E-05
r. 13		
	ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	G <sub>3</sub> H <sub>6</sub> +ipropyloo=>allyl+ipropylooh>[allyl]allyl+HO <sub>2</sub> =>prod_2	1 11055 05
	2]prod_2=>allyloxy+OH>[allyloxy]	1.4435E-05
	ipropyloo => HO2 + C3H6> [C3H6]H + C3H6 => ipropyl	
	O <sub>2</sub> +ipropyl=>OH+propoxide>[propoxide]	5.6693E-06
[ipropyl]	$O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ > $[C_3H_6]$ H+ $C_3H_6$ =>npropyl	
	yl]npropyloo=>OH+propoxide> <mark>[propoxide]</mark>	1.6069E-05
[ipropyl]	$ipropyloo=>HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
>[nprop	yl]npropyloo+C <sub>3</sub> H <sub>8</sub> =>npropylooh+npropyl	
120 >[nprop	ylooh]npropylooh=>npropyloxy+OH>[ <mark>npropyloxy]</mark>	1.123E-05
[ipropyl]	ipropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
121 >[ipropy	l]ipropyloo=>OH+propoxide>[propoxide]	3.7642E-06
[ipropyl]	ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
>[ipropy	l]ipropyloo=>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	
122 >[propo	xide]	3.3532E-06
[inropy]	ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	C <sub>3</sub> H <sub>6</sub> +CH <sub>3</sub> CH <sub>2</sub> OO=>allyl+CH <sub>3</sub> CH <sub>2</sub> OOH>[allyl]allyl+HO <sub>2</sub> =>prod_2	
	2]prod_2=>allyloxy+OH>[allyloxy]	0 106/E 06
123 >[prou_	zjprou_z=>aiiyioxy+On>[aiiyioxy]	8.1864E-06
[ipropyl]	$O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ > $[C_3H_6]C_3H_6$ +OH=>propen2yl+ $H_2$ O	
	$\frac{12}{12}$ propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
	$ acetyl(+M)  = > CH_3 + CO(+M) - > [CH_3] CH_3 OO + HO_2 = > CH_3 OOH + O_2 - OH_3 OOH + O_2 - OH_3 OOH + O_3 - OH_3 OOH + OH_3 $	
	OH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	8.5739E-05
[ipropyl]	ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
>[allyl]al	lyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allylox	y]vinoxylmethyl=>acrolein+H	
>[acrole	in]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CH	CO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
125 >[vinoxy	]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.619E-06

	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
	>[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>OH+propoxide	
126	>[propoxide]	7.3582E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
127	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	9.8151E-07
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
	>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH	
128	>[propen1ol]	1.2662E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
	>[ipropyl]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
129	>[CH <sub>3</sub> O]	1.5151E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]npropyloo+C <sub>3</sub> H <sub>8</sub> =>npropylooh+npropyl	
130	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	9.9357E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
	>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
131	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	8.3736E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
132	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	7.6906E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
133	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.0415E-05
124	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ $H_2O$	E 04515 00
134	>[propen1yl]propen1yl+HO <sub>2</sub> =>C <sub>2</sub> H <sub>4</sub> +HCO+OH>[C <sub>2</sub> H <sub>4</sub> ]	5.9451E-06

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
135	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.4621E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	
	$->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2>[allyl]allyl+HO_2=>prod_2$	
136	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.3967E-06
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
137	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.1197E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +CH <sub>3</sub> CH <sub>2</sub> OO=>allyl+CH <sub>3</sub> CH <sub>2</sub> OOH	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
138	>[CH <sub>3</sub> O]	6.0157E-06
	[ipropyl]ipropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
139	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.0995E-06
	[ipropyl] ipropyloo => HO2 + C3H6> [C3H6]C3H6 + HO2 => allyl + H2O2	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	$>[allyloxy]allyloxy=>C_2H_3+CH_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
140	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	3.4612E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +ipropyloo=>allyl+ipropylooh	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
141	>[CH <sub>3</sub> O]	1.1553E-05

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH3+CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
142	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	4.1717E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
143	>[npropyl]O <sub>2</sub> +npropyl=>OH+propoxide>[propoxide]	5.3982E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	1 00745 00
144	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.0074E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> $>$ [C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> = $>$ allyl+H <sub>2</sub> O <sub>2</sub>	
145	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	8.7044E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
146	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.6639E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>propen1ol+OH	
147	>[propen1ol]	7.4809E-07
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +npropyloo=>allyl+npropylooh	
148	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.0689E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]npropyloo+C <sub>3</sub> H <sub>8</sub> =>npropylooh+ipropyl	
149	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	0.00011301
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
150	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.2369E-07

	[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $H$ + $C_3H_6$ =>ipropyl	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
151	>[CH <sub>3</sub> O]	4.0298E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +O=>ketene+CH <sub>3</sub> +H	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
152	>[CH <sub>3</sub> O]	2.4276E-05
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
153	>[CH <sub>3</sub> O]	4.992E-05
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +CH <sub>3</sub> OO=>allyl+CH <sub>3</sub> OOH	
154	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	3.8139E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
155	>[ipropyl]ipropyl+HO <sub>2</sub> =>ipropyloxy+OH>[ipropyloxy]	6.2346E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
156	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.1015E-05
	figure williams with a series of the series	
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
4 ==	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	4 44 40 = -
157	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.4143E-06
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +ipropyloo=>allyl+ipropylooh	
158	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.834E-05

[iprop	$^{\prime}$ l]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl	allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyl	oxy]allyloxy=>acrolein+H	
>[acro	ein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
159 >[CH <sub>3</sub> 0	OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	4.2799E-06
[iprop	<mark>/l</mark> ]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipro	oylooh]ipropylooh=>ipropyloxy+OH	
>[ipro	oyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acet	aldehyde]acetaldehyde+acetylperoxy=>acetyl+CH <sub>3</sub> CO <sub>3</sub> H	
160 >[CH <sub>3</sub> 0	CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	9.149E-07
[iprop	<mark>/l</mark> ]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> > <mark>[C<sub>3</sub>H<sub>6</sub>]</mark> H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
161 >[npro	pyl]npropyl+HO <sub>2</sub> =>npropyloxy+OH>[ <mark>npropyloxy]</mark>	8.9709E-06
[iprop	<mark>/l]</mark> ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> > <mark>[C<sub>3</sub>H<sub>6</sub>]</mark> C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
>[allyl	ipropyloo+allyl=>ipropyloxy+allyloxy	
>[allyl	oxy]allyloxy=>acrolein+H	
>[acro	ein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
162 >[CH <sub>3</sub> 0	OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	4.9939E-07
[iprop	<mark>/l</mark> ]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[ <mark>C<sub>3</sub>H<sub>6</sub>]</mark> H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
>[npro	pyl]npropyloo+HO <sub>2</sub> =>npropylooh+O <sub>2</sub>	
>[npro	pylooh]npropylooh=>npropyloxy+OH	
>[npro	pyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C <sub>2</sub> H <sub>5</sub>	CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
163 >[CH <sub>3</sub> 0	CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	7.8812E-07
[iprop	$^{\prime}$ l]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
>[allyl	ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipro	oyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]	CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
164 >[CH <sub>3</sub> 0	)]	5.1876E-05
[iprop	<mark>/l</mark> ]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[ <mark>C<sub>3</sub>H<sub>6</sub>]</mark> H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
>[ipro	oyl]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
165 >[ipro	oylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.4022E-05

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
166	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.4395E-06
1.07	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$	F 1F16F 06
167	>[propen2yl]propen2yl+HO <sub>2</sub> =>CH <sub>3</sub> +ketene+OH>[ketene]	5.1516E-06
	[incomulting any log-> 110 + C   1 - > [C   1 ]   1 + C   1 - > incomul	
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
1.00	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	1.0478E-06
100	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.0478E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
1.00	>[npropyl]npropyloo+C <sub>3</sub> H <sub>8</sub> =>npropylooh+ipropyl	1 20005 05
169	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.2606E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	
170	$->[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH>[propen1ol]	1.5005E-06
170	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	1.30032 00
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
171	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	6.003E-06
1/1	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	6.003E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
470	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+ipropyl	2 20025 05
1/2	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	2.2808E-05

[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]CH <sub>2</sub> O+acetylperoxy=>HCO+CH <sub>3</sub> CO <sub>3</sub> H	
173 >[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	3.0043E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
$  174 \rangle =   (vinoxy)   (vinoxy + O_2 = > CH_2O + CO + OH > (CO)   $	2.0278E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	1.0852E-06
175 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.0652E-06
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +npropyloo=>allyl+npropylooh	4 54555 05
176 >[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	1.5155E-05
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
177 >[CH <sub>3</sub> O]	4.1866E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
$  178 \rangle [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH> [CO]$	1.6465E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[npropyl]npropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH-	
179   >[propen1ol]	1.2587E-05

[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H	d <sub>6</sub> -
$->[C_3H_6]HO_2+C_3H_6=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide$	
180 >[propoxide]	5.071E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
200   200	1.4736E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
>[CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
182 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.1615E-06
$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
$  183 \rangle [vinoxy] vinoxy+O_2=>CH_2O+CO+OH>[CO]$	2.3577E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
$  184 \rangle =   [vinoxy] vinoxy + O_2 =   CH_2O + CO + OH > [CO] $	1.5382E-06
[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>well_5	
185 >[well_5]well_5=>OH+prod_3>[prod_3]	1.0491E-05
[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>well_5	
>[well_5]well_5=>OH+prod_3>[prod_3]prod_3=>frag_3+OH	
186 >[frag_3]	1.0491E-05
[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>well_5	
>[well_5]well_5=>OH+prod_3>[prod_3]prod_3=>frag_3+OH	
>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	0.50005.65
187 > [frag_3]	9.5829E-07

		i
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
188	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	8.1716E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
189	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.8952E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ $H_2O$	
	>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
190	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.7038E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$	
	>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
	>[acetyl]acetyl(+M)=>CH3+CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
191	>[CH <sub>3</sub> O]	8.7393E-05
131	[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>well_5	0.73332 03
192	>[propoxide]	1.5116E-06
132	[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>well_5	1.51102 00
	>[well_5]well_5=>OH+prod_3>[prod_3]prod_3=>frag_3+OH	
	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	
	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	
193	>[frag_3]	4.4527E-08
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
194	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.7945E-06
<u></u>		

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
105	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	8.5146E-05
193	>[CH <sub>3</sub> O]	8.31401-03
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
100	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	5 60775 05
196	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	5.6077E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
197	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.0473E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
198	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	3.7411E-07
	[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>OH+prod_4	
199	>[prod_4]	1.2914E-05
	[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>OH+prod_4	
200	>[prod_4]prod_4=>frag_4+OH>[frag_4]	1.2914E-05
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
	>[ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> = $>$ OH+propoxide	
201	>[propoxide]	7.1484E-07
2.25	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+CH_3OO=>allyl+CH_3OOH$	4 40005 55
202	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	1.4906E-05
203	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>allyl+OH>[allyl]$	2.7747E-05
200	[161063116106311610510510510510511610-\alin\11011-\alin\1]	2.,, 1, 2 00

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>allyl+OH$	
204	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.2329E-05
		1,10101 00
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	$>[allyl]allyl+HO_2=>allyloxy+OH>[allyloxy]allyloxy=>C_2H_3+CH_2O$	
205	>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> =>O+vinoxy>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.5577E-05
203	$[ipropyl]ipropyloo+C_3H_8=>ipropylooh+ipropyl$	1.55771 05
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
206	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	5.5083E-07
200	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	J.5083L-07
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
207	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.6246E-06
207	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+H=>allyl+H2	0.02 102 00
208	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	1.8446E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
209	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.4698E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
210	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.2493E-06
	[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3$ $H_6$	
	$>[C_3H_6]C_3H_6+CH_3CH_2OO=>allyl+CH_3CH_2OOH$	
211	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	9.9237E-06
	r 3 Z	

	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
212	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.4022E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
213	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.2476E-06
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
214	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.0716E-06
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
215	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	9.1996E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
216	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.2232E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	
217	$-> [\textbf{C}_3\textbf{H}_6]\textbf{C}_3\textbf{H}_6 + \textbf{O}\textbf{H} = > \textbf{ally} \textbf{I} + \textbf{H}_2\textbf{O}> [\textbf{ally} \textbf{I}] \textbf{ally} \textbf{I} + \textbf{H}\textbf{O}_2 = > \textbf{ally} \textbf{loxy} + \textbf{O}\textbf{H}> [\textbf{ally} \textbf{loxy}]$	6.2893E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
218	>[npropyl]O <sub>2</sub> +QOOH_1=>OH+OH+frag_1>[frag_1]	6.1248E-06

	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
219	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.64E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
220	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.4078E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
221	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	6.9996E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]QOOH_1=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	
222	>[propoxide]	5.1131E-06
223	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl >[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.8527E-06
	$\label{eq:continuous} \begin{split} &[ipropyl] O_2 + ipropyl = >HO_2 + C_3 H_6 - >[C_3 H_6] C_3 H_6 + OH = >allyl + H_2 O - >[allyl] allyl + CH_3 OO = >allyloxy + CH_3 O - >[allyloxy] allyloxy = >acrolein + H - >[acrolein] acrolein + HO_2 = >CH_2 CHCO + H_2 O_2 - - >[CH_2 CHCO] CH_2 CHCO + O_2 = >vinoxy + CO_2 - - \end{split}$	
224	<pre>&gt;[vinoxy]vinoxy+O<sub>2</sub>=&gt;CH<sub>2</sub>O+CO+OH&gt;[CO]</pre>	2.3393E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]npropyloo+allyl=>npropyloxy+allyloxy>[allyloxy]allyloxy=>C_2H_3+CH_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
225	>[vinoxy]vinoxv+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	8.9257E-06
225	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO] [ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	8.925/E-06
225	$ \begin{array}{l} > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH> [CO] \\ [ipropyl] ipropyloo = > HO_2 + C_3H_6> [C_3H_6] H + C_3H_6 = > npropyl> [C_3H_6] HO_2 + C_3H_6 = > OH + propoxide> [C_3H_6] HO_2 + C_3$	8.925/E-06

[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl >[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH	
>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
227 >[CH <sub>3</sub> O]	4.5657E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
228 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.275E-05
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH_2$	
229 >[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	3.8927E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
230 >[npropyl]npropyloo=>OH+propoxide>[propoxide]	1.0667E-05
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	2 26245 07
231 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.2621E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO= $>$ C <sub>2</sub> H <sub>3</sub> +CO- $->$ [C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> = $>$ O+vinoxy- $-$	
232 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.6631E-06

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH	
	>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
233	>[CH <sub>3</sub> O]	4.0861E-07
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 > [C_3H_6]H + C_3H_6 = > ipropyl$	
	$ \text{cipropyl} _{\text{opyloo}} = \text{HO}_2 + \text{C}_3 + \text{C}_6 + \text{C}_3 + \text{C}_6 + \text{OH} = \text{Allyl} + \text{H}_2 + \text{OH} = \text{Allyl} + OH$	
234		9.8094E-07
254	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	J.0054E 07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
225	>[allyloxy]vinoxylmethyl= $>$ C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> = $>$ O+vinoxy	1.1456E-05
253	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]  [ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>ipropyloo	1.1430E-03
226	>[ipropyloo]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> = $>$ propen1ol+OH	4.04405.07
236	>[propen1ol]	4.8449E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+npropyloo=>ipropyloxy+npropyloxy+O <sub>2</sub>	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
237	>[CH <sub>3</sub> O]	5.0555E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH3OO=>allyloxy+CH3O>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
238	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.5248E-06
	[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>HO <sub>2</sub> +prod_7	
239	>[prod_7]prod_7=>propen2oxy+OH>[propen2oxy]	1.3559E-05

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	
240	$ ->[C_3H_6]HO_2+C_3H_6=>OH+propoxide>[propoxide]$	8.4969E-07
	$\frac{[\text{ipropyl}]O_2 + \text{ipropyl} = > HO_2 + C_3H_6 - > [C_3H_6]H + C_3H_6 = > npropyl - }{[C_3H_6]H + C_3H_6} = \frac{1}{2} + \frac{1}$	
	>[npropyl]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
241	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.5891E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
242	>[CH <sub>3</sub> O]	2.7001E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
243	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	7.2112E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH	
244	>[propen1ol]	9.7036E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
245	>[CH <sub>3</sub> O]	7.1861E-06

[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
246 >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	5.3288E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
247 >[CH <sub>3</sub> O]	5.2968E-05
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
>[npropyl]O <sub>2</sub> +QOOH_1=>OH+OH+frag_1	
>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
248 >[CO]	6.1217E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>O_2+ipropyl$	
>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
249 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.4227E-06
$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O$	
>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
250   >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.0895E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
251 >[npropyl]well_1=>OH+prod_1>[prod_1]	6.9203E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
252 >[frag_1]	6.9204E-07

[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
253 >[CO]	6.9159E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	_
$->[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>prod_2$	
254 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.164E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
255 >[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.3868E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
>[CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
256 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	7.8443E-07
[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
257 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.1532E-05

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
258	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.8106E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
259	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.7424E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]npropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> $>$ [C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> = $>$ OH+propoxide	
260	>[propoxide]	7.1264E-06
	$[ipropyl]O_2 + ipropyl => HO_2 + C_3H_6> [C_3H_6]H + C_3H_6 => ipropyl$	
	>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
261	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.0225E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> $>$ [C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH= $>$ allyl+H <sub>2</sub> O	
262	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	5.8305E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
263	>[CH <sub>3</sub> O]	1.8233E-05
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>propen2yl+H_2O$	
	>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
264	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	5.7268E-07

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl >[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
265	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.6633E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+CH <sub>3</sub> CH <sub>2</sub> OO=>ipropyloxy+ethoxy+O <sub>2</sub>	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
266	>[CH <sub>3</sub> O]	1.2984E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
267	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.629E-05
207		110232 00
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O	
268	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	8.7756E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyloxy]allyloxy=>formylethyl>[formylethyl]formylethyl=>C <sub>2</sub> H <sub>4</sub> +HCO-	
	$->[C_2H_4]C_2H_4+OH=>CH_2CH_2OH$	
269	>[CH <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O]	3.1982E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
070	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	2.00525.02
2/0	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.9053E-06

	[innered]innered of SHO (CH	
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
0.74	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +ipropyloo=>allyl+ipropylooh	6 02025 02
2/1	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	6.8392E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +npropyloo=>allyl+npropylooh	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
272	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	2.6395E-06
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>ethenol+CH <sub>3</sub>	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
273	>[CH <sub>3</sub> O]	1.6892E-05
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 > [C_3H_6]C_3H_6 + OH = > allyl + H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
274	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.2608E-06
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +npropyloo=>allyl+npropylooh>[allyl]allyl+HO <sub>2</sub> =>prod_2	
275	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.8157E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]npropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
276	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	9.7615E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
277	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	3.2889E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
278	>[npropyl]O <sub>2</sub> +QOOH_1=>OH+OH+frag_1>[frag_1]	5.3472E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	, 00
	>[npropyl]O <sub>2</sub> +QOOH 1=>OH+OH+frag 1	
	$>$ [frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
270		5.3438E-05
279	>[CO]	J.3436E-U5

[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>ipropyloo	
>[ipropyloo]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
280 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	9.0941E-06
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>ipropyloo	
>[ipropyloo]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
281 >[CH <sub>3</sub> O]	1.5306E-06
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
>[npropyl]npropyloo+npropyloo=>O <sub>2</sub> +npropyloxy+npropyloxy	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
282 >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.1228E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]acetaldehyde+acetylperoxy=>acetyl+CH <sub>3</sub> CO <sub>3</sub> H	
283 >[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	7.0537E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
284 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.5435E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$	
>[acetyl]CH <sub>2</sub> O+acetylperoxy=>HCO+CH <sub>3</sub> CO <sub>3</sub> H	
285  >[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	2.7112E-06
200 P[CH3CO3H]CH3CO3H=PacetyloxyHOH P[acetyloxy]	2.71121 00
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$	
>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
286 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.1479E-06

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>QOOH_3	
287	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	1.3133E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
288	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.7416E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	$>[allyloxy]allyloxy=>C_2H_3+CH_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
289	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.0266E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	
	->[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub> >[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH	
290	>[allyloxy]	6.6255E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
291	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	8.1433E-07
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide-	
292	->[propoxide]	3.2533E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
	>[ipropyl]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
293	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.8916E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O	1 64355 35
294	>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> =>O+vinoxy>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.6425E-05

	[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>well_5	
	>[well_5]well_5=>OH+prod_3>[prod_3]prod_3=>frag_3+OH	
	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	
	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	
	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	
295	>[frag_3]	1.366E-09
	[inconvilinconviloo=>HO LC H >[C H ]C H LOH=>allylLH O	
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH3OO=>allyloxy+CH3O>[CH3O]CH3O+O2=>CH2O+HO2	
200	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	5 67 475 07
296	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.6747E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
297	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.6447E-06
231		2.01172 00
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
298	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	6.0477E-07
	$\frac{[\text{ipropyl}]\text{ipropyloo} > \text{HO}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH} = > \text{allyl} + \text{H}_2 \text{O} - }{\text{OH}_2 + \text{C}_3 \text{H}_6 - > [\text{C}_3 \text{H}_6] \text{C}_3 \text{H}_6 + \text{OH}_2 + +$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
299	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.2638E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+CH <sub>3</sub> CH <sub>2</sub> OO=>ipropyloxy+ethoxy+O <sub>2</sub>	
	>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
300	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.255E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+CH <sub>3</sub> OO=>ipropyloxy+CH <sub>3</sub> O+O <sub>2</sub>	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
301	>[CH <sub>3</sub> O]	4.9813E-07

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
302	>[ipropyl]ipropyloo=>OH+propoxide>[propoxide]	1.461E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]C <sub>3</sub> H <sub>8</sub> +acetylperoxy=>ipropyl+CH <sub>3</sub> CO <sub>3</sub> H	
303	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	6.5882E-07
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>propen1ol+OH$	
	>[propen1ol]propen1ol+HO <sub>2</sub> =>CH <sub>2</sub> O+C <sub>2</sub> H <sub>3</sub> +H <sub>2</sub> O <sub>2</sub>	
304	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	5.0762E-06
	$[ipropyl]O_2 + ipropyl => HO_2 + C_3H_6> [C_3H_6]H + C_3H_6 => ipropyl$	
	>[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH	
305	>[propen1ol]	7.3721E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +CH <sub>3</sub> CH <sub>2</sub> OO= $>$ allyl+CH <sub>3</sub> CH <sub>2</sub> OOH	
306	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	3.8771E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH <sub>2</sub> CHCO+ipropylooh	
307	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.2441E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
308	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	7.1562E-07

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
	>[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide-	
309	->[propoxide]	2.2641E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	$>[allyloxy]allyloxy=>C_2H_4+HCO>[C_2H_4]C_2H_4+OH=>CH_2CH_2OH$	
310	>[CH <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O]	3.6745E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ $H_2O$	
	>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
311	>[CH <sub>3</sub> O]	3.2345E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
	>[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
312	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	4.8828E-07
212	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + CH_3OO = > allyl + CH_3OOH + C_3H_6 - > C_3H_6]C_3H_6 + CH_3OO = > allyl + CH_3OOH + C_3H_6 - > C_3H_6]C_3H_6 + CH_3OO = > allyl + CH_3OOH + C_3H_6 - > C_3H_6]C_3H_6 + CH_3OO = > allyl + CH_3OOH + C_3H_6]C_3H_6 + CH_3OO = > allyl + CH_3OOH + C_3H_6]C_3H_6 + CH_3OO = > allyl + CH_3OOH + C_3H_6]C_3H_6 + CH_3OO = > allyl + CH_3OOH + C_3H_6]C_3H_6 + CH_3OO = > allyl + CH_3OOH + C_3H_6]C_3H_6 + CH_3OO = > allyl + CH_3OOH + C_3H_6]C_3H_6 + CH_3OO = > allyl + CH_3OOH + C_3H_6]C_3H_6 + CH_3OO = > allyl + CH_3OOH + C_3H_6]C_3H_6 + CH_3OO = > allyl + CH_3OOH + C_3H_6]C_3H_6 + CH_3OO = > allyl + CH_3OOH + C_3H_6]C_3H_6 + CH_3OOH - + C_3H_6]C_3H_6 + CH_3OOH - + C_3H_6]C_3H_6 + CH_5OOH - + C_3H_6$ C_3H_6 + CH_5OOH - + C_3H_6C_3H_6 + CH_5OOH - + C_3H_6C_3H_6 + CH_5OOH - + C_3H_6C_3H_	1 70505 05
313	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.7859E-05
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>propen1ol+OH$	
	>[propen1ol]propen1ol+OH=>CH <sub>2</sub> O+C <sub>2</sub> H <sub>3</sub> +H <sub>2</sub> O	
314	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	3.009E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	$  \mathbf{allyl}   =  \mathbf{allyl}  +  $	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
215	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	1 25215 00
315	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.2521E-06

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
316	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.4741E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
317	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.0669E-07
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]H + C_3H_6 = > npropyl$	
	>[npropyl]well_1=>HO <sub>2</sub> +prod_2>[prod_2]prod_2=>allyloxy+OH	
318	>[allyloxy]	5.3939E-06
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 > [C_3H_6]C_3H_6 + OH = > allyl + H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
319	>[CH <sub>3</sub> O]	3.849E-06
	$[ipropyl]ipropyloo=>HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH_2$	
	>[QOOH_2]well_2=>well_3>[well_3]QOOH_3=>OH+propoxide	
320	>[propoxide]	7.0405E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
	>[npropyl]well_1=>HO <sub>2</sub> +prod_2>[prod_2]prod_2=>allyloxy+OH	
321	>[allyloxy]	3.8874E-06
	[ipropyl]O <sub>2</sub> +ipropyl=>QOOH_3>[QOOH_3]well_3=>well_2	
322	>[well_2]QOOH_2=>OH+propoxide>[propoxide]	1.623E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
323	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	5.0929E-07

324	$\label{eq:continuous} \begin{split} &[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>propen1yl+H_2O\\ >&[propen1yl]propen1yl+O_2=>acetaldehyde+HCO\\ >&[acetaldehyde]acetaldehyde+HO_2=>acetyl+H_2O_2\\ >&[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2\\ >&[CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O] \end{split}$	3.2089E-06
325	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl >[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH >[CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.1597E-06
326	$\begin{aligned} & \text{[ipropyl]}O_2 + \text{ipropyl} => & \text{HO}_2 + \text{C}_3 \text{H}_6> & \text{[C}_3 \text{H}_6 \text{]} \text{C}_3 \text{H}_6 + \text{HO}_2 => & \text{propen1ol} + \text{OH}\\ &> & \text{[propen1ol]} \text{propen1ol} + \text{H} => & \text{C}_3 \text{H}_6 + \text{OH}> & \text{[C}_3 \text{H}_6 \text{]} \end{aligned}$	7.7634E-07
327	$\label{eq:continuous} \begin{split} &[ipropyl] O_2 + ipropyl = > HO_2 + C_3 H_6 - > [C_3 H_6] C_3 H_6 + OH = > allyl + H_2 O - \\ &> &[allyl] allyl + HO_2 = > prod_2 - > &[prod_2] prod_2 = > allyloxy + OH - \\ &> &[allyloxy] allyloxy = > &C_2 H_3 + CH_2 O - > &[C_2 H_3] C_2 H_3 + O_2 = > O + vinoxy - \\ &> &[vinoxy] vinoxy + O_2 = > CH_2 O + CO + OH - > &[CO] \end{split}$	1.8636E-05
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O - > [allyl]allyl + HO_2 = > prod_2 - > [prod_2]prod_2 = > allyloxy + OH - > [allyloxy]allyloxy = > acrolein + H > [acrolein]acrolein + HO_2 = > CH_2CHCO + H_2O_2 > [CH_2CHCO]CH_2CHCO = > C_2H_3 + CO - > [C_2H_3]C_2H_3 + O_2 = > O + vinoxy - > [vinoxy]vinoxy + O_2 = > CH_2O + CO + OH > [CO]$	3.1826E-06
329	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2>[allyl]allyl+HO_2=>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>C_2H_3+CH_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	1.2082E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl >[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub> >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH >[CH <sub>3</sub> O]	4.1101E-06

[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>allyl+H_2$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
331 >[CH <sub>3</sub> O]	2.9998E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
>[ipropyloo]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> = $>$ OH+propoxide	<u> </u>
332 >[propoxide]	2.7608E-07
[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $H$ + $C_3H_6$ =>ipropyl	
>[ipropyl]ipropyloo+ipropyloo=>O <sub>2</sub> +ipropyloxy+ipropyloxy	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
333 >[CH <sub>3</sub> O]	2.5966E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>OH+propoxide-	-
334 >[propoxide]	5.4946E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
>[ipropyloo]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
335 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.5141E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
336 >[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	2.0659E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$	
>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH	
>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
337 >[CH <sub>3</sub> O]	3.6732E-07

[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> +HO <sub>2</sub> =>CH <sub>3</sub> O+OH	
338 >[CH <sub>3</sub> O]	9.8948E-06
[inconvilinconvice=>HO +C H >[C H ]C H +OH=>propon1vI+H O	
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ $H_2O$	
>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	4 24 425 07
339 >[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	4.3142E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
340 >[CH <sub>3</sub> O]	1.545E-06
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> -	_
341 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.5331E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
>[npropyl]O <sub>2</sub> +QOOH_1=>HO <sub>2</sub> +prod_2>[prod_2]prod_2=>allyloxy+OF	1
342 >[allyloxy]	2.7134E-06
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
>[ipropyl]O <sub>2</sub> +ipropyl=>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	e
343 >[propoxide]	1.2051E-06

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	> <mark>[npropyl]</mark> well_1=>OH+prod_1> <mark>[prod_1]</mark> prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
344	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.7904E-06
	[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl	
	> <mark>[ipropylooh]</mark> ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	3.904E-08
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
346	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	6.941E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O>[$ propen2yl]propen2yl+ $O_2=>$ acetyl+ $CH_2O>[$ acetyl]acetyl(+ $M$ )=> $CH_3+CO(+M)>[$ CH_3CH_3CH_3CH_3CH_3CH_3CH_3CH_3CH_3CH_3	
	> <mark>[CH<sub>3</sub>]</mark> CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl > <mark>[CH<sub>3</sub>OOH]</mark> CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH> <b>[CH<sub>3</sub>O]</b>	3.7652E-05
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl >[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>QOOH_2	
348	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	3.7917E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.4867E-07
	$\frac{[\text{ipropyl}]O_2 + \text{ipropyl} = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + HO_2 = > \text{allyl} + H_2O_2 \text{allyl} + H_2O_2 - a$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
350	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.1834E-05

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
351	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	7.3238E-07
	$[ipropyl]O_2 + ipropyl => HO_2 + C_3H_6 -> [C_3H_6]HO_2 + C_3H_6 => ipropyloo$	
	>[ipropyloo]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
352	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.4191E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
353	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.7657E-08
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>C_2H_4+CH_3$	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
354	>[CH <sub>3</sub> O]	1.1713E-05
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 > [C_3H_6]C_3H_6 + OH = > propen2yl + H_2O OH = - OH = -$	
	>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
	>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
355	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	6.4312E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
356	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.1803E-06
	figure multipromules and out of the ACCH ACCH acches allowed to	
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH3OO=>allyloxy+CH3O>[CH3O]CH3O+O2=>CH2O+HO2	
257	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	F 06045 07
35/	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	5.0684E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
0.50	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	2 02055 00
358	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.0395E-06

359	$\label{eq:continuous} \begin{tabular}{ll} & & & & & & & & & & & & & & & & & & $	1.0266E-06
360	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>$ ipropyloo>[ipropyloo]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ allyl+ $H_2O>[allyl]$ allyl+ $HO_2=>$ prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.7745E-07
	Figure 11: a normal of Colland in more death of income.	
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
361	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	7.5237E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+ipropyl	
362	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	2.4146E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
363	>[CH <sub>3</sub> O]	0.00271559
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
364	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.8563E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>allyl+OH$	
365	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	5.8585E-06
303		3.03032 00

[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub> >[allyl]allyl+HO <sub>2</sub> =>prod_2  366 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]  1.227E  [ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl 367 >[ipropyl]O <sub>2</sub> +ipropyl=>OH+propoxide>[propoxide]  3.2193E  [ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub> >[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M) >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl 368 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]  [ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub> >[allyl]allyl+HO <sub>2</sub> =>prod_2 366 >[prod_2]prod_2=>allyloxy+OH>[allyloxy] 1.227E  [ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl 367 >[ipropyl]O <sub>2</sub> +ipropyl=>OH+propoxide>[propoxide] 3.2193E  [ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub> >[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M) >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl 368 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O] 3.6678E	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub> >[allyl]allyl+HO <sub>2</sub> =>prod_2  366 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]  [ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl  367 >[ipropyl]O <sub>2</sub> +ipropyl=>OH+propoxide>[propoxide]  [ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub> >[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M) >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl  368 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]  3.6678E	
->[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub> >[allyl]allyl+HO <sub>2</sub> =>prod_2 366 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]  [ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl 367 >[ipropyl]O <sub>2</sub> +ipropyl=>OH+propoxide>[propoxide]  [ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub> >[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M) >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl 368 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]  3.6678E	
$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]H + C_3H_6 = > ipropyl - 3.2193E$ $[ipropyl]O_2 + ipropyl = > OH + propoxide - > [propoxide]$ $3.2193E$ $[ipropyl]ipropyloo + C_3H_8 = > ipropylooh + npropyl > [ipropylooh]ipropylooh = > ipropyloxy + OH > [ipropyloxy]ipropyloxy = > CH_3 + acetaldehyde > [acetaldehyde]acetaldehyde + HO_2 = > acetyl + H_2O_2 > [acetyl]acetyl(+M) = > CH_3 + CO(+M) > [CH_3]CH_3OO + C_3H_8 = > CH_3OOH + ipropyl > [CH_3OOH]CH_3OOH = > CH_3O + OH > [CH_3O]$ $3.6678E$	
367 >[ipropyl]O <sub>2</sub> +ipropyl=>OH+propoxide>[propoxide]  [ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub> >[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M) >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl 368 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]  3.2193E  3.2193E	06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub> >[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M) >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl 368 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O] 3.6678E	06
>[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub> >[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M) >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]  3.6678E	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub> >[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M) >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl 368 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O] 3.6678E	
$ > [acetaldehyde]acetaldehyde+HO_2=>acetyl+H_2O_2 \\ > [acetyl]acetyl(+M)=>CH_3+CO(+M) \\ > [CH_3]CH_3OO+C_3H_8=>CH_3OOH+ipropyl \\ > [CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O] $ 3.6678E	
>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M) >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O] 3.6678E	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl 368 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O] 3.6678E	
368 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O] 3.6678E	
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>2</sub> H <sub>2</sub> >[C <sub>2</sub> H <sub>2</sub> ]C <sub>2</sub> H <sub>2</sub> +OH=>allyl+H <sub>2</sub> O	05
[[1,6, 26,1]] [1,6, 26,1] [2, 1,6] [2, 1,6] [2, 1,6] [2, 1,6] [2, 1,6] [2, 1,6]	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+npropyl	
(CH3CH2OOH)CH3CH2OOH=>ethoxy+OH>[ethoxy]  9.5324E	06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
370 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy] 5.656E	07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
371 >[CH <sub>3</sub> O] 3.7258E	06
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>ethenol+CH <sub>3</sub>	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
372 >[CH <sub>3</sub> O] 1.7183E	

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy >[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+ipropyl$	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
373	>[CH <sub>3</sub> O]	7.8551E-06
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
274	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	3.0102E-05
3/4	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	3.0102E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo+HO <sub>2</sub> =>npropylooh+O <sub>2</sub> >[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
375	>[CH <sub>3</sub> O]	2.7137E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
376	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.03E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
377	>[CH <sub>3</sub> O]	5.8207E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$	
	$>[propen2yl]propen2yl+O_2=>acetyl+CH_2O$	
	>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH	
	>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
378	>[CH <sub>3</sub> O]	4.1096E-06

[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
>[npropyl]npropyloo+acetaldehyde=>npropylooh+acetyl	
379 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.1928E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
$>$ [npropyl]npropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> $>$ [C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> = $>$ QOOH_2	
380 >[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	2.2435E-07
[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +ipropyloo=>allyl+ipropylooh>[allyl]allyl+HO <sub>2</sub> =>prod_2	
381 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	8.1967E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[npropyl]well 1=>OH+prod 1>[prod 1]prod 1=>frag 1+OH	
>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O	_
->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
382 >[CH <sub>3</sub> O]	5.0947E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
383 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.8506E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
384 >[npropyl]O <sub>2</sub> +npropyl=>OH+propoxide>[propoxide]	4.3624E-05
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]C <sub>3</sub> H <sub>8</sub> +acetylperoxy=>npropyl+CH <sub>3</sub> CO <sub>3</sub> H	
385 >[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	5.8686E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
386 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.971E-07

	[ipropyl]ipropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+OH=>CH <sub>2</sub> CHCO+H <sub>2</sub> O	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
387	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.9792E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>C_2H_5+HCO$	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
388	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	3.6193E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
389	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.7568E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
390	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.7652E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
391	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	5.2697E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
392	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.088E-07

ſi	i <mark>propyl]</mark> ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	[ipropylooh]ipropylooh=>ipropyloxy+OH	
	[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	[acetaldehyde]acetaldehyde+H=>acetyl+H <sub>2</sub>	
	[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
	•[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.6031E-06
	$\frac{1}{ \mathbf{propyl} } O_2 + \frac{1}{ \mathbf{propyl} } > HO_2 + C_3 H_6 - \frac{1}{ \mathbf{c} } H_6 + C_3 H_6 = \frac{1}{ \mathbf{c} } + \frac{1}{ \mathbf{c} } H_6 + \frac{1}{ \mathbf{c} } + \frac{1}{ \mathbf{c} } H_6 + \frac{1}{ \mathbf{c} } + \frac{1}{ \mathbf{c} } H_6 + \frac{1}{ c$	
	[npropyl]npropyloo+C <sub>3</sub> H <sub>8</sub> =>npropylooh+npropyl	
	[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	6.3791E-06
	$\frac{ P_{1} }{ P_{2} } = \frac{ P_{3} }{ P_{4} } = \frac{ P_{4} }{ P_{4} } $	
	[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	
	[propoxide]	1.9041E-06
[i	ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>	[ipropylooh]ipropylooh=>ipropyloxy+OH	
	[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>	·[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>	[ipropylooh]ipropylooh=>ipropyloxy+OH	
>	[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>	·[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
396 >	•[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	4.6305E-07
[i	ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
397 >	[ipropyl]ipropyloo=>OH+propoxide>[propoxide]	2.1374E-06
[i	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
>	[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>	[allyloxy]vinoxylmethyl=>acrolein+H	
>	[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>	$[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
398 >	[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	9.7189E-07
[i	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
>	[ipropyl]ipropyloo+ipropyloo=>O <sub>2</sub> +ipropyloxy+ipropyloxy	
>	[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>	[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
399 >	·[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.4703E-08

[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
$>$ [C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +CH <sub>3</sub> CH <sub>2</sub> OO=>allyl+CH <sub>3</sub> CH <sub>2</sub> OOH>[allyl]allyl+HO <sub>2</sub> =>prod_2-	_
400 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	4.6466E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
>[npropyl]npropyloo+HO <sub>2</sub> =>npropylooh+O <sub>2</sub>	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
401 >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	2.1196E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$	
>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
>[acetyl]acetaldehyde+acetylperoxy=>acetyl+CH <sub>3</sub> CO <sub>3</sub> H	
402 >[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	6.366E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
$ V_2  > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH > [CO]$	7.8625E-07
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
>[ipropyl]ipropyl+HO <sub>2</sub> =>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
404 >[CH <sub>3</sub> O]	2.2114E-06
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyloxy]vinoxylmethyl=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
405 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.4931E-06

[inconviling repute of CTT -> inconvile of the reserved	
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
406 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.266E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
407 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.4988E-06
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>OH+propoxide$	de
408 >[propoxide]	4.185E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$ -	
>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
409 >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	2.9657E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO	
	2
>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	1.4666E-07
410 >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.4000E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[allyloxy]allyloxy= $>$ C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O $>$ [C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> = $>$ O+vinoxy	
411 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	9.4138E-06

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
41	2 >[CH <sub>3</sub> O]	1.2855E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
41	3 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.2789E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo+CH <sub>3</sub> CH <sub>2</sub> OO=>npropyloxy+ethoxy+O <sub>2</sub>	
	>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
41	4 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.3479E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
	>[ipropyloo]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> = $>$ allyl+H <sub>2</sub> O <sub>2</sub>	
41	5 >[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.9208E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
41	6 >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	2.115E-07
	[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $C_3H_6$ + $HO_2$ =>allyl+ $H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
41	$7 > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH> [CO]$	4.3663E-06
	[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $H$ + $C_3H_6$ =>ipropyl	
	>[ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH= $>$ allyl+H <sub>2</sub> O	
41	8 <mark>&gt;[allyl]</mark> allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	4.7489E-07

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>allyl+H_2$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
419	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	5.2523E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
420	>[npropyl]well_1=>OH+prod_1>[prod_1]	1.5645E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
421	>[frag_1]	1.5592E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
422	>[CO]	1.5579E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]ipropyloo+npropyloo=>ipropyloxy+npropyloxy+O <sub>2</sub>	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
423	>[CH <sub>3</sub> O]	2.4589E-07
	[5.,30]	
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
424	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.1693E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>npropyloo$	
125	>[npropyloo]well_1=>OH+prod_1>[prod_1]	2.8151E-06
423	$\frac{ \text{propyloo} \text{wen}_1=2011+ \text{prod}_1=-2 \text{prod}_1 }{ \text{ipropyl} \text{ipropyloo}=>HO_2+C_3H_6=-> \text{C}_3H_6  \text{HO}_2+C_3H_6=>npropyloo}$	2.01311-00
	[propyloo] well 1=>OH+prod 1>[prod 1]prod 1=>frag 1+OH	
126		2 80215 06
426	>[frag_1]	2.8021E-06

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
427	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	6.8105E-08
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]CH <sub>2</sub> O+acetylperoxy=>HCO+CH <sub>3</sub> CO <sub>3</sub> H	
428	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	2.6395E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +acetylperoxy=>allyl+CH <sub>3</sub> CO <sub>3</sub> H	
429	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.2178E-06
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>propen1yl+H_2O$	
430	>[propen1yl]propen1yl+HO <sub>2</sub> =>C <sub>2</sub> H <sub>4</sub> +HCO+OH>[HCO]	3.376E-06
	[ipropyl]ipropyloo => HO2 + C3H6> [C3H6]C3H6 + HO2 => allyl + H2O2	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH2CHCO]CH2CHCO=>C2H3+CO>[C2H3]C2H3+O2=>O+vinoxy	
431	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.6487E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O_2=>allyl+HO_2$	
432	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	4.9709E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	
	->[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	
433	>[propoxide]	4.4579E-07

	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>propen2yl+H <sub>2</sub> O	
	>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
>	> <mark>[CH<sub>2</sub>O]</mark> ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
434 >	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.578E-07
[	ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	> <mark>[allyloxy]</mark> allyloxy=>acrolein+H	
	-[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
435 >	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.3838E-07
ſ	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>propen2yl+H <sub>2</sub> O	
	>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
	>[acetyl]C <sub>3</sub> H <sub>8</sub> +acetylperoxy=>ipropyl+CH <sub>3</sub> CO <sub>3</sub> H	
	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	5.9491E-07
		3.54512 07
	ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	[acetaldehyde]acetaldehyde+acetylperoxy=>acetyl+CH <sub>3</sub> CO <sub>3</sub> H	0.04275.07
	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	8.0427E-07
	ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	- <mark>[ipropylooh]</mark> ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
	- <mark>[npropylooh]</mark> npropylooh=>npropyloxy+OH	
	[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
438 >	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	6.1732E-07
[	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
>	>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
439 >	>[npropyl]well_1=>OH+prod_1>[prod_1]	9.3081E-08
[	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
>	<pre>&gt;[npropyl]well_1=&gt;OH+prod_1&gt;[prod_1]prod_1=&gt;frag_1+OH</pre>	
440 >	>[frag_1]	9.2113E-08

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
441	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	8.4984E-07
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +CH <sub>3</sub> CH <sub>2</sub> OO=>allyl+CH <sub>3</sub> CH <sub>2</sub> OOH	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
442	>[CH <sub>3</sub> O]	3.4191E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]npropyloo+CH <sub>3</sub> CH <sub>2</sub> OO=>npropyloxy+ethoxy+O <sub>2</sub>	
	>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
443	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.0896E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
444	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.9884E-07
	$\frac{1}{[ipropyl]ipropyloo=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O}$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy+O <sub>2</sub> =>acrolein+HO <sub>2</sub>	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
445	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.065E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+OH=>vinoxy+H <sub>2</sub> O	
446	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	3.1658E-08
<u> </u>		

	$[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	allyloxy]allyloxy=>acrolein+H	
	acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
447 >[0	CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	6.2327E-07
[ip	$\frac{\text{ropyl}[\text{ipropyloo}=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O}{\text{ropyl}[\text{ipropyloo}=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O}$	
	allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
	acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
	npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.8213E-07
lin	ropulling and a second of the	
1 - 1	$\frac{\text{ropyl}[\text{ipropyloo}=>HO_2+C_3H_6>[\text{C}_3\text{H}_6]\text{C}_3\text{H}_6+O\text{H}=>\text{allyl}+\text{H}_2\text{O}}{\text{allyl}}$	
	$\frac{\text{allyl}}{\text{allyl}} = \frac{\text{CH}_3 \text{O}}{\text{CH}_3 \text{O}} = \text{$	
	CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	3.2583E-07
	propylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	5.2363E-U/
	ropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	propylooh]ipropylooh=>ipropyloxy+OH	
	propyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
	CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.5516E-07
	$\frac{ C_3 ^2}{ C_3 ^2} = \frac{ C_3 ^2}{ C_3 ^2} $	1,00101 07
	propyl]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
	propylooh]ipropylooh=>ipropyloxy+OH	
	propyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
451 >[0		8.6065E-06
[ip	$\frac{\text{ropyl}[\text{ipropyloo}=>HO_2+C_3H_6>[\text{C}_3\text{H}_6]\text{C}_3\text{H}_6+\text{OH}=>\text{allyl}+\text{H}_2\text{O}$	
>[a	allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[i	propyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[a	acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
452 >[r	npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.8702E-07

[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +ipropyloo=>allyl+ipropylooh	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	C EE24E OC
453 >[CH <sub>3</sub> O]	6.5524E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
>[npropyl]npropyloo+C <sub>3</sub> H <sub>8</sub> =>npropylooh+npropyl	
454 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.4926E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
455 >[ipropyl]O <sub>2</sub> +ipropyl=>OH+propoxide>[propoxide]	2.125E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
>[CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
456 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.286E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
>[CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
457 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.2713E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	2.27132 07
>[npropyl]npropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>QOOH 2	
458 > [QOOH 2]QOOH 2=>OH+propoxide>[propoxide]	3.7383E-06
$\frac{ \text{[ipropyl]} \text{ipropyloo}  -  \text{C}_3H_6  +  \text{C}_3H_6$	3.7363L-00
>[QOOH_2]well_2=>HO <sub>2</sub> +prod_2>[prod_2]prod_2=>allyloxy+OH	1 (0225 00
459 >[allyloxy]	1.6922E-06

	[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $C_3H_6$ + $HO_2$ =>allyl+ $H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
460	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.5266E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
461	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	7.9387E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
462	>[allyl]allyl+O <sub>2</sub> =>acrolein+OH>[acrolein]	2.2726E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
463	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.8215E-08
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
464	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	6.6785E-07
	[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $H$ + $C_3H_6$ =>ipropyl	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
465	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	5.7206E-07
	*[anyi]anyiiiio_ *pioa_2 *[pioa_2]pioa_2 *anyioxy: eri *[anyioxy]	
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>C2H3+CH2O	
466	$>[C_2H_3]C_2H_3+O_2=>0+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	5.4371E-06
100	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>ketene+CH_3+H$	3.13/12 00
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
467	>[CH <sub>3</sub> O]	1.3779E-05
	s [en3e]	

	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]H + C_3H_6 = > npropyl$	
	>[npropyl]npropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH	
468	>[propen1ol]	4.2517E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH <sub>2</sub> CHCO+ipropylooh	
469	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.7246E-07
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + HO_2 = > allyl + H_2O_2 $	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy= $>$ C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O $>$ [C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> = $>$ O+vinoxy	
470	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.9661E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>C <sub>3</sub> H <sub>6</sub> +O <sub>2</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH	
471	>[propen1ol]	1.9217E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
472	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	2.8256E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>C_2H_4+CH_3$	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
473	>[CH <sub>3</sub> O]	1.1937E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
474	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	5.0763E-07
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
475	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	5.9174E-06
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]H + C_3H_6 = > ipropyl$	
476	>[ipropyl]ipropyl+HO <sub>2</sub> =>ipropyloxy+OH>[ipropyloxy]	3.5389E-06

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
	>[npropyl]npropyloo+C <sub>3</sub> H <sub>8</sub> =>npropylooh+ipropyl	
477	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	5.1081E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
	$>$ [ipropyloo] $O_2$ +ipropyl=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH	
478	>[propen1ol]	2.8333E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
	->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
479	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.5215E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
480	>[CH <sub>3</sub> O]	1.9343E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>O_2+ipropyl$	
	>[ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> = $>$ propen1ol+OH	
481	>[propen1ol]	2.7301E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>npropyloo$	
	>[npropyloo]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
482	>[CO]	2.7996E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO=>C <sub>2</sub> H <sub>3</sub> +CO>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> =>O+vinoxy	
483	$>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	1.6346E-06
.00	- trueylineyles selforestell steel	

	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>O2+ipropyl	
	>[ipropyl]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
484	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	5.1682E-06
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
485	>[npropyl]O <sub>2</sub> +npropyl=>OH+propoxide>[propoxide]	3.0641E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
196	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O	9.2578E-06
400	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	9.2376E-00
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
407	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	2 0265 05
487	>[CH <sub>3</sub> O]	2.836E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+OH=>vinoxy+H <sub>2</sub> O	
488	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.072E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH_2$	
	>[QOOH_2]QOOH_2=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH	
489	>[propen1ol]	4.8329E-07
	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O>[C <sub>2</sub> H <sub>5</sub> ]C <sub>2</sub> H <sub>5</sub> +O <sub>2</sub> =>oxirane+OH	
490	>[oxirane]	2.7697E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
491	>[CH <sub>3</sub> O]	1.834E-07

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ $H_2O$	
	>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
	>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
492	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	5.97E-07
	$[ipropyl]O_2 + ipropyl = HO_2 + C_3 H_6 - C_3 H_6] H + C_3 H_6 = ipropyl - H_6 \mathsf{$	
	>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
493	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	4.9409E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
494	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	3.2907E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]ipropyloo+CH <sub>3</sub> CH <sub>2</sub> OO=>ipropyloxy+ethoxy+O <sub>2</sub>	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
495	>[CH <sub>3</sub> O]	2.3797E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
496	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.7992E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>propen2yl+H <sub>2</sub> O	
	>[propen2yl]propen2yl+O2=>acetyl+CH2O	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
497	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.0505E-05
137	r tenge enjoyeer verge out viergej	

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
400	>[acrolein]acrolein+ipropyloo=>CH <sub>2</sub> CHCO+ipropylooh	7.025.00
498	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	7.83E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]vinoxylmethyl=>C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> =>O+vinoxy	
499	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	3.1141E-06
	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
500	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	8.9968E-06
	$\frac{[\text{ipropyl}]O_2 + \text{ipropyl} = \text{HO}_2 + C_3 H_6 - \text{C}_3 H_6]H + C_3 H_6 = \text{npropyl}}{(C_3 + C_3 H_6) + (C_3 + C_3 H_6)} = \frac{C_3 H_6}{(C_3 + C_3 H_6)} + \frac{C_3 H_6}{(C_3 + C_3 H_6)}$	
	>[npropyl]npropyloo+HO <sub>2</sub> =>npropylooh+O <sub>2</sub>	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
501	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	4.4774E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
502	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.683E-06
	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
	>[ipropyl]ipropyloo+npropyloo=>ipropyloxy+npropyloxy+O <sub>2</sub>	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
503	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	5.2195E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>$ ipropyloo	
504	>[ipropyloo]O <sub>2</sub> +ipropyl=>OH+propoxide>[propoxide]	1.2166E-06

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
:	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.8411E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]ipropyl+C <sub>3</sub> H <sub>6</sub> =>C <sub>3</sub> H <sub>8</sub> +allyl	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	5.3214E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]ipropyloo+CH <sub>3</sub> CH <sub>2</sub> OO=>ipropyloxy+ethoxy+O <sub>2</sub>	
	>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
507	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.2991E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
508	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	8.7466E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
509	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.0759E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
:	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
	>[CH <sub>3</sub> O]	1.0747E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]npropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> = $>$ allyl+H <sub>2</sub> O <sub>2</sub>	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	2.9291E-07

		1
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	
512	->[C3H6]C3H6+OH=>allyl+H2O>[allyl]allyl+HO2=>allyloxy+OH>[allyloxy]	5.5278E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
513	>[allyl]allyl+O <sub>2</sub> =>acrolein+OH>[acrolein]	2.3971E-06
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
514	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.8383E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>$ ketene+ $CH_3+H$	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
515	>[CH <sub>3</sub> O]	1.4034E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	$>$ [ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> = $>$ QOOH_3	
516	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	7.5978E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$	
	>[propen2yl]propen2yl+HO <sub>2</sub> =>CH <sub>3</sub> +ketene+OH	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
517	>[CH <sub>3</sub> O]	1.8547E-06
	[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $C_3H_6$ + $HO_2$ =>allyl+ $H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
518	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.4249E-06
	[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>well_5	
	>[well_5]well_5=>OH+prod_3>[prod_3]prod_3=>frag_3+OH	
	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	
	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	
	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	
F40	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	2.005.45.44
519	>[frag_3]	3.0854E-11

[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
>[ipropyloo]ipropyloo+ipropyloo=>O <sub>2</sub> +ipropyloxy+ipropyloxy	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
520 >[CH <sub>3</sub> O]	9.8605E-08
[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
521 >[npropyl]npropyl+HO <sub>2</sub> =>npropyloxy+OH>[npropyloxy]	5.0929E-06
$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
522   >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.4995E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO=>C <sub>2</sub> H <sub>3</sub> +CO>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> =>O+vinoxy	
>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	7.4697E-07
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>ipropyloo	
$>$ [ipropyloo]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> $>$ [C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> = $>$ QOOH_2	
524 >[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	1.4533E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
525 >[npropyl]npropyloo=>OH+propoxide>[propoxide]	9.3778E-06
[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO=>C <sub>2</sub> H <sub>3</sub> +CO>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> =>O+vinoxy	
526 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	3.3954E-06
[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
>[npropyl]npropyloo+C <sub>3</sub> H <sub>8</sub> =>npropylooh+ipropyl	
527 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	7.16E-06

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
528	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.7356E-06
	[ipropyl]ipropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2> <mark>[prod_2]</mark> prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH <sub>2</sub> CHCO+ipropylooh	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
529	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.3577E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+OH=>acetyl+H <sub>2</sub> O	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
530	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.1829E-06
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
531	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.1538E-06
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+ipropyl	
532	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.2971E-05
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	$>[allyl]allyl+HO_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>acrolein+H$	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH2CHCO]CH2CHCO+O2=>vinoxy+CO2	
533	$>[\text{vinoxy}] \text{vinoxy} + O_2 = > \text{CH}_2 \text{O} + \text{CO} + \text{OH}_{} > [\text{CO}]$	1.3359E-06
555		1.55552 00

[ipro	$Opyl]O_2 + ipropyl = > HO_2 + C_3 H_6 - > [C_3 H_6]C_3 H_6 + OH = > propen2yl + H_2O Open = Op$	
534 >[pr	open2yl]propen2yl+HO <sub>2</sub> =>CH <sub>3</sub> +ketene+OH>[ketene]	2.926E-06
[ipro	opyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ip	ropylooh]ipropylooh=>ipropyloxy+OH	
>[ip	ropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[ac	cetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
>[ac	cetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
535 >[Cl	H <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	4.3817E-07
[ipro	opyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[np	propyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[fra	ag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
>[Cl	H <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
	ropylooh]ipropylooh=>ipropyloxy+OH	
	ropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	H <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
536 >[Cl	H <sub>3</sub> O]	7.7518E-07
lipro	opyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	ropylooh]ipropylooh=>ipropyloxy+OH	
	ropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	H <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
	prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
	H <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
-	H <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	6.5601E-08
	$\frac{\text{opyl}}{\text{ipropyloo}} + \frac{\text{C}_3 \text{H}_6}{\text{C}_3 \text{H}_6} + \frac{\text{C}_3 $	
	propyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	ag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
>[Cl	H <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
538 >[np	propylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.6651E-07
[ipro	$\frac{\text{opyl}[\text{ipropyloo} = \text{>HO}_2 + \text{C}_3\text{H}_6 - \text{>} [\text{C}_3\text{H}_6]\text{C}_3\text{H}_6 + \text{HO}_2 = \text{>allyl} + \text{H}_2\text{O}_2 - \text{Ho}_2 + $	
>[al	lyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[np	$C_2H_5+CH_2O>[C_2H_5+C_2H_5+C_2>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
>[C <sub>2</sub>	$[H_4]C_2H_4+OH=>CH_2CH_2OH$	
539 >[Ch	H <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O]	6.9751E-07
[ipro	opyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +O=>ketene+CH <sub>3</sub> +H	
>[ke	etene]ketene+OH=>HCCO+H <sub>2</sub> O>[HCCO]HCCO+O <sub>2</sub> =>OH+CO+CO	
540 >[C0	0]	3.3202E-07

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ $H_2O$	
	>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
541	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	3.7932E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>$ [ $C_3H_6$ ] $C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
F 43	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	1 51075 06
542	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.5107E-06
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
543	>[CH <sub>3</sub> O]	2.377E-06
	. [61,36]	
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
544	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.1415E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
545	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	2.2093E-07
3 13		2.20332 07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	$>$ [allyloxy]allyloxy=>formylethyl>[formylethyl]formylethyl=> $C_2H_4+HCO-$	
	->[C <sub>2</sub> H <sub>4</sub> ]C <sub>2</sub> H <sub>4</sub> +OH=>CH <sub>2</sub> CH <sub>2</sub> OH	
546	>[CH <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O]	3.4205E-07
1		

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>C_2H_5+HCO$	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
547	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	9.7365E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH	
	>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
548	>[CH <sub>3</sub> O]	4.0217E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]npropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
549	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	4.6335E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
550	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.0002E-05
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
554	>[ipropyl]O <sub>2</sub> +ipropyl= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> $>$ [C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> = $>$ allyl+H <sub>2</sub> O <sub>2</sub>	5 0 0 0 0 5 0 7
551	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	5.9698E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]C <sub>3</sub> H <sub>8</sub> +CH <sub>3</sub> O=>npropyl+CH <sub>3</sub> OH	
552	>[npropyl]well_1=>OH+prod_1>[prod_1]	5.4572E-07
552	[k. 2k1.]	3.13722 37

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[ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+ipropyl--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+ipropyl--
      >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]C<sub>3</sub>H<sub>8</sub>+CH<sub>3</sub>O=>npropyl+CH<sub>3</sub>OH--
      >[npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
553 >[frag 1]
                                                                                                                   5.457F-07
      [ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+ipropyl--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+ipropyl--
      >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]C<sub>3</sub>H<sub>8</sub>+CH<sub>3</sub>O=>npropyl+CH<sub>3</sub>OH--
      >[npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
      >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
554 > [CO]
                                                                                                                 5.4528F-07
      [ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+ipropyl--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+ipropyl--
      >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]CH<sub>3</sub>O+O<sub>2</sub>=>CH<sub>2</sub>O+HO<sub>2</sub>--
      >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
555 > [CH<sub>3</sub>O]
                                                                                                                 1.9677E-07
      [ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+npropyl--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
      >[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
556 > [CH<sub>3</sub>O]
                                                                                                                 2.3739E-06
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557	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ $H_2O>[$ propen1yl]propen1yl+ $O_2=>$ acetaldehyde+ $HCO>[$ acetaldehyde]C $H_3OO+$ acetaldehyde=> $CH_3OOH+$ acetyl- $->[$ acetyl]acetyl(+ $M$ )=> $CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3OO]$	6.1704E-07
558	$ \label{eq:continuous}                                   $	4.9599E-05
559	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H>[acrolein]acrolein+H=>CH_2CHCO+H_2>[CH_2CHCO]CH_2CHCO+O_2=>vinoxy+CO_2>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	1.5656E-07
560	$ \begin{aligned} & [ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 \\ & > [C_3H_6]C_3H_6 + npropyloo = > allyl + npropylooh \\ & > [allyl]allyl + HO_2 = > allyloxy + OH > [allyloxy] \end{aligned} $	8.6057E-06
561	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O >[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H >[acrolein]acrolein+ipropyloo=>CH <sub>2</sub> CHCO+ipropylooh >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.7079E-07
562	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>ipropyloo >[ipropyloo]ipropyloo=>OH+propoxide>[propoxide]	8.0825E-07

[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH	
>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
563 >[CH <sub>3</sub> O]	3.5966E-07
[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $C_3H_6$ +OH=>allyl+ $H_2$ O	
>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
564 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	6.194E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH <sub>3</sub> O=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OH	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
565 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.3928E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[npropyl]well_1=>HO <sub>2</sub> +prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
566 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.3383E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[allyloxy]vinoxylmethyl=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	7.7508E-07

[ipropyl]ipropyloo-	+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]iprop	ylooh=>ipropyloxy+OH	
>[ipropyloxy]iprop	yloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H	<sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
>[CH <sub>3</sub> OOH]CH <sub>3</sub> OO	H=>CH <sub>3</sub> O+OH> <mark>[CH<sub>3</sub>O]</mark> CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
>[CH <sub>2</sub> O]ipropyloo-	-CH <sub>2</sub> O=>ipropylooh+HCO	
568 >[ipropylooh]iprop	ylooh=>ipropyloxy+OH>[ipropyloxy]	3.2543E-07
[ipropyl]ipropyloo-	+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	$vinoxy+CH_2O>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH$	
569 >[CO]CO+HO <sub>2</sub> =>C0		5.3095E-07
_	$=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]npropyloo+	allyl=>npropyloxy+allyloxy	
>[allyloxy]vinoxyln	nethyl=>acrolein+H	
>[acrolein]acroleir	+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
570 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OO	H=>CH <sub>3</sub> O+OH> <mark>[CH<sub>3</sub>O]</mark>	1.8999E-07
[ipropyl]ipropyloo-	+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]iprop	ylooh=>ipropyloxy+OH	
>[ipropyloxy]iprop	yloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H	<sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
>[CH <sub>3</sub> OOH]CH <sub>3</sub> OO	H=>CH <sub>3</sub> O+OH> <mark>[CH<sub>3</sub>O]</mark> CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
>[CH <sub>2</sub> O]npropyloo	+CH <sub>2</sub> O=>npropylooh+HCO	
571 >[npropylooh]npro	ppylooh=>npropyloxy+OH>[npropyloxy]	7.233E-07
[ipropyl]ipropyloo-	+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]iprop	ylooh=>ipropyloxy+OH	
>[ipropyloxy]iprop	yloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H	<sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
>[npropyl]npropyl	oo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> > <mark>[C<sub>3</sub>H<sub>6</sub>]</mark> C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH	
572 >[propen1ol]		5.6208E-07
[ipropyl]ipropyloo-	+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]iprop	ylooh=>ipropyloxy+OH	
>[ipropyloxy]iprop	yloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H	<sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[CH <sub>3</sub> OOH]CH <sub>3</sub> OO	H=>CH <sub>3</sub> O+OH> <mark>[CH<sub>3</sub>O]</mark> CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OC	)+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
573 >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>5</sub>	CH <sub>2</sub> OOH=>ethoxy+OH> <mark>[ethoxy]</mark>	4.6812E-07

574	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl >[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.9672E-07
	[inconviling and a conviction of the conviction	
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
575	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	7.3437E-08
3/3	$->[C_3H_6]H+C_3H_6=>npropyl>[npropyl]well_1=>OH+prod_1>[prod_1]$	7.3437E-U6
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	
	->[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropy >[npropy ]well_1=>OH+prod_1	
576	>[prod_1]prod_1=>frag_1+OH>[frag_1]	7.3139E-08
0.0	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	$>[allyloxy]allyloxy=>C_2H_4+HCO>[C_2H_4]C_2H_4+OH=>CH_2CH_2OH$	
577	>[CH <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O]	3.9363E-07
377	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	3.33032 07
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
578	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.2813E-07
3,3	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	1.20102 07
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
	>[acetyl]CH <sub>2</sub> O+acetylperoxy=>HCO+CH <sub>3</sub> CO <sub>3</sub> H	
579	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	3.3275E-07
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[ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+ipropyl--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+npropyl-->[npropyl]well_1=>OH+prod_1-
      ->[prod 1]prod 1=>frag 1+OH-->[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O--
      >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
580|>[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]
                                                                                                                9.6188F-08
      [ipropyl]ipropyloo=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>propen1yl+H_2O--
      >[propen1yl]propen1yl+O<sub>2</sub>=>acetaldehyde+HCO--
      >[acetaldehyde]acetaldehyde+HO<sub>2</sub>=>acetyl+H<sub>2</sub>O<sub>2</sub>--
      >[acetyl]acetyl(+M)=>CH<sub>3</sub>+CO(+M)--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+ipropyl--
581 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
                                                                                                                1.4065E-06
      [ipropyl]ipropyloo=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>ipropyl--
      >[ipropyl]ipropyloo=>HO<sub>2</sub>+C<sub>3</sub>H<sub>6</sub>-->[C<sub>3</sub>H<sub>6</sub>]H+C<sub>3</sub>H<sub>6</sub>=>npropyl--
      >[npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
      >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
582 > [CO]
                                                                                                                9.2362E-08
      [ipropyl]ipropyloo=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O--
      >[allyl]npropyloo+allyl=>npropyloxy+allyloxy--
      >[npropyloxy]npropyloxy=>C<sub>2</sub>H<sub>5</sub>+CH<sub>2</sub>O--
      >[C<sub>2</sub>H<sub>5</sub>]CH<sub>3</sub>CH<sub>2</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+O<sub>2</sub>--
      >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH<sub>3</sub>+CH<sub>2</sub>O-
      ->[CH<sub>3</sub>]CH<sub>3</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
583 >[CH<sub>3</sub>O]
                                                                                                                3.9128E-06
      [ipropyl]ipropyloo=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O--
      >[allyl]allyl+CH<sub>3</sub>OO=>allyloxy+CH<sub>3</sub>O--
      >[allyloxy]vinoxylmethyl=>C<sub>2</sub>H<sub>3</sub>+CH<sub>2</sub>O-->[C<sub>2</sub>H<sub>3</sub>]C<sub>2</sub>H<sub>3</sub>+O<sub>2</sub>=>O+vinoxy--
584 >[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH-->[CO]
                                                                                                                  3.062E-06
      [ipropyl]ipropyloo=>HO_2+C_3H_6-->[C_3H_6]npropyl+C_3H_6=>C_3H_8+allyl--
585 >[allyl]allyl+HO<sub>2</sub>=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]
                                                                                                                4.5373E-06
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	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo+npropyloo=>O <sub>2</sub> +npropyloxy+npropyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
586	>[CH <sub>3</sub> O]	3.8656E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
587	>[C <sub>2</sub> H <sub>4</sub> ]C <sub>2</sub> H <sub>4</sub> +HO <sub>2</sub> =>oxirane+OH>[oxirane]	2.5535E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
	->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
588	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.1349E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>formylethyl	
	>[formylethyl]formylethyl=>C <sub>2</sub> H <sub>4</sub> +HCO>[C <sub>2</sub> H <sub>4</sub> ]C <sub>2</sub> H <sub>4</sub> +OH=>CH <sub>2</sub> CH <sub>2</sub> OH	
589	>[CH <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O]	1.5204E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
590	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.8926E-07
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
591	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	8.7518E-07

[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
592 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.5317E-06
$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	1.33172 00
>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
593 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.0746E-06
	1.07 402 00
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
[Propyr]    Propyr    Operation    Oper	
>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
594 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	6.0851E-07
334 2[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH-2CH <sub>3</sub> O+OH2[CH <sub>3</sub> O]	0.00311-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ $H_2O$	
>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
595 >[HCO]HCO+O <sub>2</sub> =>CO+HO <sub>2</sub> >[CO]CO+HO <sub>2</sub> =>CO <sub>2</sub> +OH>[CO <sub>2</sub> ]	1.2538E-07
[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	1.23302 07
>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	1.7714E-06
596 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.7714E-00
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH_2$	2.0025.07
597 >[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	2.883E-07

	[inrapyllipropyloo+C H =\inrapylooh+ppropyl	
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
	>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
598	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.2184E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ $H_2O$	
	>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
599	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.6731E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>propen1ol+OH$	
600	>[propen1ol]	8.5301E-07
	$\frac{[ipropyl]ipropyloo=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O}{[ipropyl]ipropyloo=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O}$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
601	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.449E-07
001	$\frac{ \text{propyl}  \text{ipropyloo}}{ \text{propyloo} } + C_3 + C_3 + C_4 + C_5 + C$	1.1132 07
	>[ipropyloo]ipropyloo=>QOOH_3	
602		7.2006E-07
002	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	7.2000E-07
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
603	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	9.3799E-07
	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy= $>$ C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O $>$ [C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> = $>$ O+vinoxy	
604	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.2485E-06

[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>		
$>[C_3H_6]C_3H_6+ipropyloo=>allyl+ipropyloo=$	looh	
>[ipropylooh]ipropylooh=>ipropyloxy		
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetal		
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>		
>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>		
605 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[C		3.6826E-07
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>		
>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +npropyloo=>allyl+nprop	ylooh	
>[npropylooh]npropylooh=>npropylo	xy+OH	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub>	O	
>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OO	H+O <sub>2</sub>	
>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy	+OH> <mark>[ethoxy]</mark> ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >	[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
606 >[CH <sub>3</sub> O]		9.1134E-07
[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub>	H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
>[allyl]ipropyloo+allyl=>ipropyloxy+a	llyloxy	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetal	dehyde	
>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyd	e=>CH <sub>3</sub> OOH+acetyl	
607 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[C	H <sub>3</sub> O]	4.6338E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh	+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy	/+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetal	dehyde	
>[acetaldehyde]acetaldehyde+acetyl	peroxy=>acetyl+CH <sub>3</sub> CO <sub>3</sub> H	
>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OF		
>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +	-M	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >	CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
608 >[CH <sub>3</sub> O]		3.3513E-07
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H	$\frac{1}{6}$ C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O	>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HC	0	
609 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[C	H <sub>3</sub> O]	8.7463E-07

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>O_2+ipropyl$	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
610	>[CH <sub>3</sub> O]	8.6795E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	
	$->[C_3H_6]H+C_3H_6=>npropyl>[npropyl]well_1=>OH+prod_1$	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
611	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	7.3032E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
612	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	7.4444E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>allyl+H_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
613	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	6.8505E-07
	[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $C_3H_6$ +OH=>propen1yl+ $H_2$ O	
	>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
614	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	9.6526E-07
014		J.0320E 07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +npropyloo=>allyl+npropylooh	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
615	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	7.1068E-06
013	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	/.TU00E-UD

	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
616	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	6.7579E-07
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+CH3OO=>allyl+CH3OOH	
617	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	8.4654E-06
	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+H=>C2H4+CH3	
	>[C <sub>2</sub> H <sub>4</sub> ]C <sub>2</sub> H <sub>4</sub> +OH=>CH <sub>2</sub> CH <sub>2</sub> OH	
618	>[CH <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O]	1.2298E-07
619	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl >[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH >[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH >[CH <sub>3</sub> O]	5.086E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl >[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub> >[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH >[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M	
620	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH >[CH <sub>3</sub> O]	4.5374E-08

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
621	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	8.3579E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH <sub>2</sub> CHCO+ipropylooh	
622	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.9877E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
623	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	7.6556E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
	>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
624	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.9788E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo+HO <sub>2</sub> =>npropylooh+O <sub>2</sub>	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+ipropyl	
625	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	9.1272E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
	>[ipropyloo]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
626	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.2392E-06

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	$>[allyl]allyl+HO_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>C_2H_3+CH_2O$	
627	>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> =>O+vinoxy>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	5.7321E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]CH <sub>2</sub> O+acetylperoxy=>HCO+CH <sub>3</sub> CO <sub>3</sub> H	
	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH	
	>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
628	>[CH <sub>3</sub> O]	1.1011E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
600	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>QOOH_3	4 45 455 06
629	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	1.1545E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
630	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	1.2908E-07
030	>[CH <sub>3</sub> O]	1.2906L-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$	
	$>[propen2yl]propen2yl+O_2=>acetyl+CH_2O$	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
631	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.5736E-05
331	r [chi3con]chi3con-renigo (chi r[chi3c]	1.0,000 00

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH <sub>2</sub> CHCO+ipropylooh	
632	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.7041E-07
	[inconv]]O LinconvI=>110 LC   L >[C   L ]C   L +O  L > all vI   L	
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O - > allyl + OH = > allyl + $	
622	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O	0 04755 06
633	>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> =>O+vinoxy>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	8.8475E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$	
	>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
	>[acetyl]C <sub>3</sub> H <sub>8</sub> +acetylperoxy=>npropyl+CH <sub>3</sub> CO <sub>3</sub> H	
634	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	5.3021E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+CH_3=>allyl+CH_4$	
635	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	4.5755E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>C <sub>3</sub> H <sub>6</sub> +O <sub>2</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>OH+propoxide	
636	>[propoxide]	1.0905E-07
637	[inconv]]O LinconvI=>110 LC   L >[C   L ]C   L +O=> allv LO L >[allv ]	1.5757E-05
037	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+O=>allyl+OH>[allyl]	1.3737L-03
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>allyl+OH$	
638	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	7.0021E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>O_2+ipropyl$	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
639	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.4295E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
640	>[npropyl]well_1=>OH+prod_1>[prod_1]	6.0837E-07

$\overline{}$		Figure and in regarded a C. H. A improved a declaration of	
		[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
		>[ipropylooh]ipropylooh=>ipropyloxy+OH	
		>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
		>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
		> <mark>[ipropyl]</mark> ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
		>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
		>[frag_1]	6.0836E-07
		[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
		> <mark>[ipropylooh]</mark> ipropylooh=>ipropyloxy+OH	
		>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
		>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
		>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
		>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	,	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
	642	>[CO]	6.0798E-07
		[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
		>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
		>[allyloxy]allyloxy=>formylethyl>[formylethyl]formylethyl=>C <sub>2</sub> H <sub>4</sub> +HCO-	
		$->[C_2H_4]C_2H_4+HO_2=>oxirane+OH>[oxirane]$	1.2574E-07
		[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
		>[ipropyl]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
		>[ipropylooh]ipropylooh=>ipropyloxy+OH	
		>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
		>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	8.7834E-06
	044	>[CH <sub>3</sub> O]	8.7834E-Ub
		[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
		>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
		>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
		>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
		>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
	645	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.2457E-07
		$[ipropyl]O_2 + ipropyl => HO_2 + C_3H_6> [C_3H_6]C_3H_6 + OH => allyl + H_2O$	
		>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
		>[allyloxy]allyloxy= $>$ C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O $>$ [C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> = $>$ O+vinoxy	
	646	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	5.0685E-06
_			

[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[allyloxy]vinoxylmethyl=>acrolein+H	
>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
647 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	8.6511E-08
$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6> [C_3H_6]C_3H_6 + OH = > allyl + H_2O$	
>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
648 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	7.9466E-07
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +npropyloo=>allyl+npropylooh	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
649 >[CH <sub>3</sub> O]	1.4041E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	_
$->[C_3H_6]H+C_3H_6=>ipropyl>[ipropyl]ipropyloo+HO_2=>ipropylooh+O_2$	
650 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.3289E-08
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+npropyl	
651 >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.0091E-05
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
>[ipropyloo]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>OH+propoxide-	-
652 >[propoxide]	1.6043E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub> >[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO-	
653 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	8.6697E-08

[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[allyloxy]vinoxylmethyl=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
	3.523E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	5-
-> [C3H6]C3H6+HO2=>allyl+H2O2>[allyl]allyl+HO2=>allyloxy+OH	
655 >[allyloxy]	5.8262E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
656 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	6.5778E-08
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
>[npropyl]QOOH_1=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide-	-
657 >[propoxide]	2.9013E-06
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
Section 2004   Sect	3.1823E-05
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O	
>[allyloxy]vinoxylmethyl=>acrolein+H	
>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
659 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.8993E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[npropyl]O <sub>2</sub> +QOOH_1=>HO <sub>2</sub> +prod_2>[prod_2]prod_2=>allyloxy+OH	
660 >[allyloxy]	2.3471E-05
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH_2$	
661 >[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	2.2059E-07

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetaldehyde+acetylperoxy=>acetyl+CH <sub>3</sub> CO <sub>3</sub> H	
662	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	6.1983E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
663	>[ipropyl]ipropyloo=>OH+propoxide>[propoxide]	1.2843E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2> <mark>[prod_2]</mark> prod_2=>allyloxy+OH	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO=>C <sub>2</sub> H <sub>3</sub> +CO>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> =>O+vinoxy	
664	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.0438E-06
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
665	>[npropyl]O <sub>2</sub> +QOOH_1=>OH+OH+frag_1>[frag_1]	3.4778E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
	>[CH2CHCO]CH2CHCO=>C2H3+CO>[C2H3]C2H3+O2=>O+vinoxy	
666	$>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	6.1075E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
667	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.3261E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>C <sub>2</sub> H <sub>4</sub> +HCO	
	>[C <sub>2</sub> H <sub>4</sub> ]C <sub>2</sub> H <sub>4</sub> +OH=>CH <sub>2</sub> CH <sub>2</sub> OH	
668	>[CH <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O]	1.7499E-07

		i
l li	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
	•[ipropyl]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
	[ipropylooh]ipropylooh=>ipropyloxy+OH	
	[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	•[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	•[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
	•[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	4.8526E-07
[i	$\frac{ \text{ipropyl} }{ \text{ipropyloo} } = \text{HO}_2 + \text{C}_3 + \text{H}_6 - \text{Ipropyl} - \text{Ipropyl}$	
	[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
	•[ipropylooh]ipropylooh=>ipropyloxy+OH	
	[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>	[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>	[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
670 >	-[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.7178E-08
[i	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>ipropyloo	
>	$\frac{1}{[\text{ipropyloo}]} \text{ipropyloo} = \frac{1}{2} + \frac{1}{2} $	
671 >	-[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	1.8191E-07
[i	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
>	[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>	[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>	•[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
672 >	[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.3536E-06
[i	$\frac{ propyl }{ propyloo } + C_3 + C_$	
673 >	[npropyl]well_1=>OH+prod_3>[prod_3]	4.3974E-07
[i	$\frac{[C_3H_6]}{[C_3H_6]} + C_3H_6 - > \frac{[C_3H_6]}{[C_3H_6]} + C_3H_6 = > \frac{[C_3H_6]}{[C$	
>	[npropyl]well_1=>OH+prod_3>[prod_3]prod_3=>frag_3+OH	
674 >	·[frag_3]	4.3645E-07
	$\frac{ipropyl}{opyloo} = HO_2 + C_3 H_6 - opplus = opplus H_6 + opplus = opplus H_2 opplus = opplus opplus = opplus opplus opplus = opplus opplus opplus = opplus opplus opplus opplus = opplus \mathsf$	
	[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
	[CH3]CH3+HO2=>CH3O+OH	0.00005.00
6/5 >	·[CH <sub>3</sub> O]	8.9992E-06

3.5747E-07
3.5747E-07
5.7904E-07
2.8005E-07
3.3072E-07
2.0614E-09
_

	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 > [C_3H_6]C_3H_6 + OH = > allyl + H_2O OH = > allyl + OH = >$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO= $>$ C <sub>2</sub> H <sub>3</sub> +CO $>$ [C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> = $>$ O+vinoxy	
681	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	3.9872E-07
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]HO2+C3H6=>ipropyloo	
	>[ipropyloo]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH	
682	>[propen1ol]	2.7432E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
	>[ipropyl]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
683	>[CH <sub>3</sub> O]	1.3952E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]vinoxylmethyl= $>$ C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> = $>$ O+vinoxy	
684	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.4048E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> = $>$ ipropyl	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
685	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.705E-08
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>ethenol+CH <sub>3</sub>	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
686	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	7.411E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH_2$	
	>[QOOH_2]QOOH_2=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>OH+propoxide	
687	>[propoxide]	2.737E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]npropyloo+npropyloo=>O <sub>2</sub> +npropyloxy+npropyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
688	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	3.0209E-07

[ipro	$\frac{\text{opyl}[\text{propyloo}=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O}{\text{opyl}[\text{opyl}]}$	
>[al	lyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ip	ropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
689 >[CH	H <sub>3</sub> ]CH <sub>3</sub> +HO <sub>2</sub> =>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.132E-06
[ipro	$\frac{\text{opyl}}{\text{O}_2} + \text{ipropyl} = \frac{\text{C}_3 \text{H}_6}{\text{C}_3} + \frac{\text{C}_3 \text{H}_6}{\text{C}_3} + \text{OH} = \frac{\text{Ilyl}}{\text{A}_2} + \frac{\text{O}_3}{\text{O}_3} + \frac{\text{O}_$	
>[al	lyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[al	lyloxy]vinoxylmethyl=>acrolein+H	
>[ac	crolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[Cl	H <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
690 >[vi	noxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.1195E-07
[ipro	$Opyl]O_2 + ipropyl = > HO_2 + C_3 H_6 - > [C_3 H_6]C_3 H_6 + OH = > allyl + H_2O Open Supplying the supplying the supplying the supplying supplying the supplying the supplying supplying the supplying supplying the supplying supply$	
>[al	lyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[ac	crolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[Cl	$H_2CHCO$ ]CH <sub>2</sub> CHCO=>C <sub>2</sub> H <sub>3</sub> +CO>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> =>O+vinoxy	
691 >[vi	noxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.509E-06
[ipro	$Opyl]O_2 + ipropyl = > HO_2 + C_3 H_6 - > [C_3 H_6]C_3 H_6 + OH = > allyl + H_2O Option   Control   $	
>[al	lyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[al	$ y oxy v noxy methy =>C_2H_3+CH_2O>[C_2H_3]C_2H_3+O_2=>O+v noxy$	
692 >[vi	noxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	6.5018E-06
[ipro	opyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
>[al	lyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[np	oropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O>[C <sub>2</sub> H <sub>5</sub> ]C <sub>2</sub> H <sub>5</sub> +HO <sub>2</sub> =>ethoxy+OH	
693 >[et	thoxy]	4.0864E-06
[ipro	opyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
>[al	lyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[al	lyloxy]vinoxylmethyl=>acrolein+H	
>[ac	crolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
>[Cl	H <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
694 >[vi	noxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.87E-07
[ipro	$Opyl]O_2 + ipropyl = > HO_2 + C_3 H_6 - > [C_3 H_6]C_3 H_6 + OH = > allyl + H_2O Open Supplying the supplying the supplying the supplying supplying the supplying the supplying supplying the supplying $	
>[al	lyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
>[ac	crolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH	$H_2$ CHCO]C $H_2$ CHCO=> $C_2$ $H_3$ +CO>[ $C_2$ $H_3$ ] $C_2$ $H_3+O_2$ =>O+vinoxy	
695 >[vi	noxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	8.6646E-07

	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
696	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.2818E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
697	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.8735E-07
	[ipropyl]O <sub>2</sub> +ipropyl=>QOOH_3>[QOOH_3]well_3=>well_5	,
692		3.6434E-06
038	[ipropyl]O <sub>2</sub> +ipropyl=>QOOH_3>[QOOH_3]well_3=>well_5	J.0434L-00
699	>[frag 3]	3.6434E-06
033	[ipropyl]O <sub>2</sub> +ipropyl=>QOOH_3>[QOOH_3]well_3=>well_5	3.04342 00
	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	
700	>[frag_3]	3.3268E-07
, 00	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	0.02002 07
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
701	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	7.7142E-08
, 01	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	$>[allyloxy]allyloxy=>C_2H_4+HCO>[C_2H_4]C_2H_4+HO_2=>oxirane+OH$	
702		1 4445 07
702	>[oxirane]	1.444E-07

[ipi	ropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ij	propylooh]ipropylooh=>ipropyloxy+OH	
>[ip	propyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[a	acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[a	acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
>[C	CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
703 > <b>[C</b>	CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.5328E-05
[ipi	$\frac{ropyl}{O_2} + ipropyl = HO_2 + C_3 H_6 - F_3 H_6 + C_3 H_6 = F_3 H_6 - F_3 H_6 = F_3 H_6 + F_3 H_6 + F_3 H_6 = F_3 H_6 + F_3 H_6 + F_3 H_6 + F_3 H_6 = F_3 H_6 + F_3 H_6 + F_3 H_6 + F_3 H_6 = F_3 H_6 + F_3 H_6 +$	
>[ip	propyl]ipropyloo+npropyloo=>ipropyloxy+npropyloxy+O <sub>2</sub>	
>[ij	propyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[C	CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
704 >[C	CH <sub>3</sub> O]	2.8702E-07
[ipi	ropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ij	propylooh]ipropylooh=>ipropyloxy+OH	
>[ip	propyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[C	CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
>[n	npropyl]npropyloo=>QOOH_2> <mark>[QOOH_2]</mark> QOOH_2=>OH+propoxide-	
	propoxide]	1.9904E-06
ıqi]	ropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
>[a	allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[n	npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C	C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+npropyl	
>[C	CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
->[	CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
706 >[C	CH <sub>3</sub> O]	3.2767E-06
ıqi]	ropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[n	$\frac{1}{2} \frac{1}{2} \frac{1}$	
707 >[a	allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	4.8852E-06
ıqi]	ropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
>[ip	propyl]ipropyloo+ipropyl=>ipropyloxy+ipropyloxy	
>[ip	propyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[C	CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
708 >[C	CH <sub>3</sub> O]	2.2315E-07

[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[allyloxy]vinoxylmethyl=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO=>C <sub>2</sub> H <sub>3</sub> +CO>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> =>O+vinoxy	
$709 > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH > [CO]$	2.6868E-07
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
>[CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
710 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.1883E-07
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
>[npropyl]npropyloo+C <sub>3</sub> H <sub>8</sub> =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
711 >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	4.1475E-07
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
712 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	8.0225E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+npropyl	
713 >[npropyl]well_1=>OH+prod_1>[prod_1]	1.5036E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
714 >[frag_1]	1.4968E-06

	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
715	>[CO]	1.4964E-06
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
716	>[CH <sub>3</sub> O]	1.0376E-05
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
717	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CO]CO+HO <sub>2</sub> =>CO <sub>2</sub> +OH>[CO <sub>2</sub> ]	1.2355E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH_3$	
	>[QOOH_3]well_3=>well_2>[well_2]QOOH_2=>OH+propoxide	
718	>[propoxide]	1.8725E-07
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]HO2+C3H6=>O2+ipropyl	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
719	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.376E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
	$>[ipropyloo]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
720	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.1939E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
704	>[ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +H= $>$ allyl+H <sub>2</sub>	E 0774E 00
/21	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	5.9774E-08

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
722	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.9764E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
723	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.4323E-07
	$\frac{1}{[ipropyl]ipropyloo=>HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo}$	
	>[ipropyloo]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
724	>[CH <sub>3</sub> O]	3.2686E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>O_2+ipropyl$	
	>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>OH+propoxide	
725	>[propoxide]	1.5511E-07
	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy+O <sub>2</sub> =>acrolein+HO <sub>2</sub>	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
726	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	5.6974E-08
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
	>[npropyl]well_1=>HO <sub>2</sub> +prod_2>[prod_2]prod_2=>allyloxy+OH	
727	>[allyloxy]	3.4174E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	$>[npropyl]O_2+npropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>propen1ol+OH$	4 40 5-
/28	>[propen1ol]	1.1256E-07

	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]npropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> $>$ [C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> = $>$ OH+propoxide	
729	>[propoxide]	2.4142E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyl=>CH <sub>3</sub> +C <sub>2</sub> H <sub>4</sub> >[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
730	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	3.2392E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.1184E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
	>[ipropyloo]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> = $>$ allyl+H <sub>2</sub> O <sub>2</sub>	
732	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	1.8955E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +ipropyloo=>allyl+ipropylooh	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
733	>[CH <sub>3</sub> O]	6.3555E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> +HO <sub>2</sub> =>CH <sub>3</sub> O+OH	
734	>[CH <sub>3</sub> O]	8.6972E-06

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[ipropyl]ipropyloo=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>ipropyl--
      >[ipropyl]ipropyloo+ipropyloo=>O<sub>2</sub>+ipropyloxy+ipropyloxy--
      >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
      >[acetaldehyde]CH3OO+acetaldehyde=>CH3OOH+acetyl--
735|>[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                          4.426E-09
      [ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+ipropyl--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
     >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+ipropyl--
      >[ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+ipropyl--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+npropyl-->[npropyl]well 1=>OH+prod 1-
736 ->[prod_1]
                                                                                                          3.123E-08
      [ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+ipropyl--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
     >[CH<sub>3</sub>]CH<sub>3</sub>OO+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+ipropyl--
      >[ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+ipropyl--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+npropyl-->[npropyl]well 1=>OH+prod 1-
737 ->[prod 1]prod 1=>frag 1+OH-->[frag 1]
                                                                                                        3.1231E-08
      [ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+ipropyl--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+ipropyl--
      >[ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+ipropyl--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+npropyl-->[npropyl]well 1=>OH+prod 1-
      ->[prod 1]prod 1=>frag 1+OH-->[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O--
738 >[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH-->[CO]
                                                                                                        3.1209E-08
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	[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $C_3H_6$ + $HO_2$ =>allyl+ $H_2O_2$ >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
739	>[CH <sub>3</sub> O]	3.0041E-05
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + HO_2 = > allyl + H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
740	>[CH <sub>3</sub> O]	4.0843E-06
	[inconvilinconvilage=>110 +C     >[C     10     +     +	
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+CH <sub>3</sub> OO= $>$ allyloxy+CH <sub>3</sub> O- $>$ [CH <sub>3</sub> O]CH <sub>3</sub> O+M= $>$ CH <sub>2</sub> O+H+M- $>$	
7.4.1	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	7 00705 07
/41	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	7.8078E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
742	>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.4396E-07
742		2.4390E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH <sub>2</sub> CHCO+ipropylooh	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
743	>[CH <sub>3</sub> O]	2.098E-07
,	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	2.0002 07
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy+O <sub>2</sub> =>acrolein+HO <sub>2</sub>	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
744	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.5907E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O_2=>allyl+HO_2$	
745	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	2.3571E-06

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>C <sub>3</sub> H <sub>6</sub> +O <sub>2</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH	
746	>[propen1ol]	2.0617E-07
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
747	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.2252E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
748	>[CH <sub>3</sub> O]	1.665E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>QOOH_2	
	>[QOOH_2]QOOH_2=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
749	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.7517E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy= $>$ C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O $>$ [C <sub>2</sub> H <sub>5</sub> ]C <sub>2</sub> H <sub>5</sub> +O <sub>2</sub> = $>$ oxirane+OH	
750	>[oxirane]	2.9217E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH <sub>2</sub> CHCO+ipropylooh	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
751	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	6.4815E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
752	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.2061E-07

[ipropyl]O <sub>2</sub> +ipropyl=>QOOH_3>[QOOH_3]well_3=>we	ell_5
>[well_5]well_5=>OH+prod_3>[prod_3]prod_3=>frag	_3+OH
>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_	_3+OH
>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_	_3+OH
753 >[frag_3]	1.5465E-08
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyl	yloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -
->[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>QOOH_3>[QOOH_3]QOOH_3=>C	)H+propoxide
754 >[propoxide]	5.7838E-08
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl>[npropyl]well	_1=>OH+prod_1-
->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vino	xy+CH <sub>2</sub> O
>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
755 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.5191E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl$	I+H <sub>2</sub> O <sub>2</sub>
>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =	>CH <sub>2</sub> O+HO <sub>2</sub>
>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
756 >[npropylooh]npropylooh=>npropyloxy+OH>[npropylo	oxy] 5.4366E-07
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +CH <sub>3</sub> CH <sub>2</sub> OO=>allyl+CH <sub>3</sub> CH <sub>2</sub> OOH	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH	=>CH <sub>3</sub> O+OH
757 >[CH <sub>3</sub> O]	3.6038E-07
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropy	
>[ipropyl]ipropyloo+acetaldehyde=>ipropylooh+acetyl-	-
>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> :	
758 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.3659E-06

$[ipropyl]O_2 + ipropyl => HO_2 + C_3H_6> [C_3H_6]H + C_3H_6 => npropyl$	
>[npropyl]O <sub>2</sub> +QOOH_1=>OH+OH+frag_1	
>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
759 >[CO]	3.4762E-06
$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + HO_2 = > allyl + H_2O_2 $	
>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyloxy]vinoxylmethyl=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
760 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.5985E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>OH+propoxide	
761 >[propoxide]	4.8301E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
762 >[npropyl]O <sub>2</sub> +QOOH_1=>OH+OH+frag_1>[frag_1]	2.4186E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
>[npropyl]O <sub>2</sub> +QOOH_1=>OH+OH+frag_1	
>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
763 >[CO]	2.417E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
764 >[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	6.6147E-07

	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH= $>$ allyl+H <sub>2</sub> O	
765	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.3086E-0
	[ipropyl]ipropyloo=> $HO_2+C_3H_6->[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
	>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
766	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.1269E-0
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ $H_2O$	
	>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH3+CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
767	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	7.5596E-0
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]ipropyloo+CH <sub>3</sub> OO=>ipropyloxy+CH <sub>3</sub> O+O <sub>2</sub>	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
768	>[CH <sub>3</sub> O]	2.2438E-0
	[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $C_3H_6$ +OH=>allyl+ $H_2$ O	
	$ S[ally ] = \frac{1}{2} + $	
769	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	4.9833E-0
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy= $>$ C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O $>$ [C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO= $>$ C <sub>2</sub> H <sub>4</sub> +HO <sub>2</sub>	
	>[C <sub>2</sub> H <sub>4</sub> ]C <sub>2</sub> H <sub>4</sub> +OH=>CH <sub>2</sub> CH <sub>2</sub> OH	
770	>[CH <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O]	2.1617E-0

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]npropyloo+CH <sub>3</sub> CH <sub>2</sub> OO=>npropyloxy+ethoxy+O <sub>2</sub>	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
771	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	5.4361E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+ipropyloo=>O <sub>2</sub> +ipropyloxy+ipropyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
772	>[CH <sub>3</sub> O]	2.6497E-07
	[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>HO <sub>2</sub> +prod_7	
	>[prod_7]prod_7=>propen2oxy+OH	
	>[propen2oxy]propen2oxy=>ketene+CH <sub>3</sub>	
	>[ketene]ketene+OH=>HCCO+H <sub>2</sub> O>[HCCO]HCCO+O <sub>2</sub> =>OH+CO+CO	
773	>[CO]	1.311E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
774	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.6685E-06
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
775	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.5797E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
770	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	4 6311F 07
//0	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.6211E-07

[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub> >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde>= acetyl+H <sub>2</sub> O <sub>2</sub> >= acetyl=acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >= (CH <sub>3</sub> OOH)CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O] 1.6477E  [ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub> >= [allyl]ipropyloo+allyl=>ipropyloxy+allyloxy>= [ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde>= (CH <sub>3</sub> )CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OO+n->[CH <sub>3</sub> O] 9.5223E  [ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O>= [allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>= [allyloxy]allyloxy=>formylethyl>[formylethyl]formylethyl=>C <sub>2</sub> H <sub>4</sub> +HCO>[C <sub>2</sub> H <sub>4</sub> ]C <sub>2</sub> H <sub>4</sub> +OH=>CH <sub>2</sub> OH-CH <sub>2</sub> O>[CH <sub>2</sub> O] 1.8164E  [ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl>= [ipropyl]ooh]ipropylooh=>ipropyloxy+OH	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub> >[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> 777 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]  [ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub> >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl 778 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]  [ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O >[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH >[allyloxy]allyloxy=>formylethyl>[formylethyl]formylethyl=>C <sub>2</sub> H <sub>4</sub> +HCO>[C <sub>2</sub> H <sub>4</sub> ]C <sub>2</sub> H <sub>4</sub> +OH=>CH <sub>2</sub> OH-CH <sub>2</sub> O>[CH <sub>2</sub> O]  [ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> 777 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O] 1.6477E  [ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub> >[allyl]ipropylooy=>CH <sub>3</sub> +acetaldehyde >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl 778 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O] 9.5223E  [ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O >[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH >[allyloxy]allyloxy=>formylethyl>[formylethyl]formylethyl=>C <sub>2</sub> H <sub>4</sub> +HCO>[C <sub>2</sub> H <sub>4</sub> ]C <sub>2</sub> H <sub>4</sub> +OH=>CH <sub>2</sub> OH 779 >[CH <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O] 1.8164E	
$ 777 > [CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O] $ $ [ipropyl]ipropyloo=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2 > [allyl]ipropyloo+allyl=>ipropyloxy+allyloxy > [ipropyloxy]ipropyloxy=>CH_3+acetaldehyde > [CH_3]CH_3OO+C_3H_8=>CH_3OOH+npropyl \\ 778 > [CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O] $ $ 9.5223E $ $ [ipropyl]O_2+ipropyl=>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=>formylethyl>[formylethyl]formylethyl=>C_2H_4+HCO>[C_2H_4]C_2H_4+OH=>CH_2OH \\ 779 > [CH_2CH_2OH]O_2C_2H_4OH=>OH+CH_2O+CH_2O>[CH_2O] $ $ 1.8164E $ $ [ipropyl]ipropyloo+C_3H_8=>ipropylooh+ipropyl $	
[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub> >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl 778 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]  9.5223E  [ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O >[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH >[allyloxy]allyloxy=>formylethyl>[formylethyl]formylethyl=>C <sub>2</sub> H <sub>4</sub> +HCO>[C <sub>2</sub> H <sub>4</sub> ]C <sub>2</sub> H <sub>4</sub> +OH=>CH <sub>2</sub> CH <sub>2</sub> OH 779 >[CH <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O]  [ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
$ > [allyl] ipropyloo+allyl=>ipropyloxy+allyloxy \\ > [ipropyloxy] ipropyloxy=>CH_3+acetaldehyde \\ > [CH_3]CH_3OO+C_3H_8=>CH_3OOH+npropyl \\ 778 > [CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O] 9.5223E \\ [ipropyl]O_2+ipropyl=>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=>formylethyl>[formylethyl]formylethyl=>C_2H_4+HCO>[C_2H_4]C_2H_4+OH=>CH_2OH \\ > [CH_2CH_2OH]O_2C_2H_4OH=>OH+CH_2O+CH_2O>[CH_2O] 1.8164E \\ [ipropyl]ipropyloo+C_3H_8=>ipropylooh+ipropyl \\ $	-06
$ > [ipropyloxy]ipropyloxy=>CH_3+acetaldehyde \\ > [CH_3]CH_3OO+C_3H_8=>CH_3OOH+npropyl \\ > [CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O] $ 9.5223E- $ [ipropyl]O_2+ipropyl=>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=>formylethyl>[formylethyl]formylethyl=>C_2H_4+HCO>[C_2H_4]C_2H_4+OH=>CH_2OH \\ > [CH_2CH_2OH]O_2C_2H_4OH=>OH+CH_2O+CH_2O>[CH_2O] $ 1.8164E- $ [ipropyl]ipropyloo+C_3H_8=>ipropylooh+ipropyl $	
$ > [CH_3]CH_3OO+C_3H_8 = > CH_3OOH+npropyl778 > [CH_3OOH]CH_3OOH=> CH_3O+OH>[CH_3O]                                    $	
$[ipropyl]O_2 + ipropyl = > 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 = > formylethyl - > [formylethyl]formylethyl = > C_2H_4 + HCO - > [C_2H_4]C_2H_4 + OH = > CH_2CH_2OH - > [CH_2CH_2OH]O_2C_2H_4OH = > OH + CH_2O + CH_2O - > [CH_2O]                                    $	
$ > [allyl]allyl+HO_2=>prod_2>[prod_2]prod_2=>allyloxy+OH\\ > [allyloxy]allyloxy=>formylethyl>[formylethyl]formylethyl=>C_2H_4+HCO\\ ->[C_2H_4]C_2H_4+OH=>CH_2CH_2OH\\ > [CH_2CH_2OH]O_2C_2H_4OH=>OH+CH_2O+CH_2O>[CH_2O]                                    $	-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	-07
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl >[acetyl]C <sub>3</sub> H <sub>8</sub> +acetylperoxy=>ipropyl+CH <sub>3</sub> CO <sub>3</sub> H 780 >[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy] 7.2995E	-08
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+CH_3OO=>allyl+CH_3OOH>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy>[ipropyloxy]ipropyloxy=>CH_3+acetaldehyde>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O]$	-06
$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O$	
>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+ipropyloo=>CH <sub>2</sub> CHCO+ipropylooh	
782 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy] 3.5533E	-07

	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +CH <sub>3</sub> CH <sub>2</sub> OO=>allyl+CH <sub>3</sub> CH <sub>2</sub> OOH	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
783	>[CH <sub>3</sub> O]	3.4843E-06
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 > [C_3H_6]H + C_3H_6 = > npropyl$	
	>[npropyl]npropyloo+npropyloo=>O <sub>2</sub> +npropyloxy+npropyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
784	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	6.3807E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
785	>[ipropyloo]ipropyl+HO <sub>2</sub> =>ipropyloxy+OH>[ipropyloxy]	1.3366E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
	>[ipropyloo]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
786	>[CH <sub>3</sub> O]	9.0132E-07
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>propen2yl+H_2O$	
	>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
707	>[acetyl]CH <sub>2</sub> O+acetylperoxy=>HCO+CH <sub>3</sub> CO <sub>3</sub> H	4.545.00
/8/	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.54E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	4 0555
788	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.922E-07

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo+HO <sub>2</sub> =>npropylooh+O <sub>2</sub>	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
789	>[CH <sub>3</sub> O]	7.3313E-07
	[ipropyl]ipropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
	>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
790	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	7.8218E-08
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 > [C_3H_6]C_3H_6 + OH = > allyl + H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
791	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.8683E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
	>[CH <sub>2</sub> O]CH <sub>2</sub> O+formylperoxy=>HCO+formylooh	
792	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.3111E-07
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +ipropyloo=>allyl+ipropylooh	
793	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	3.8848E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
	$>[ipropyloo]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
794	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.2881E-07
	[ipropyl]O <sub>2</sub> +ipropyl=>QOOH_3>[QOOH_3]well_3=>well_5	
	>[well_5]well_5=>well_3>[well_3]QOOH_3=>OH+propoxide	
795	>[propoxide]	5.2494E-07

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
796	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.3376E-07
	$[ipropyl]O_2 + ipropyl => HO_2 + C_3H_6> [C_3H_6]HO_2 + C_3H_6 => ipropyloo$	
	>[ipropyloo]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
797	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	5.1652E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
	>[npropyl]npropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> $>$ [C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> = $>$ OH+propoxide	
798	>[propoxide]	3.183E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>C_2H_4+CH_3$	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
799	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.1492E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH <sub>3</sub> OO= $>$ allyloxy+CH <sub>3</sub> O $>$ [CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> = $>$ CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
800	>[CH <sub>3</sub> O]	4.7824E-08
	[ipropyl]O <sub>2</sub> +ipropyl=>QOOH_3>[QOOH_3]well_3=>OH+prod_4	
801	>[prod_4]	4.4847E-06
	[ipropyl]O <sub>2</sub> +ipropyl=>QOOH_3>[QOOH_3]well_3=>OH+prod_4	
802	>[prod_4]prod_4=>frag_4+OH>[frag_4]	4.4847E-06

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> -	
	-> [C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
803	>[CH <sub>3</sub> O]	5.7838E-08
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
804	>[npropyl]well_1=>OH+prod_3>[prod_3]	3.9515E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_3>[prod_3]prod_3=>frag_3+OH	
805	>[frag_3]	3.9515E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_3>[prod_3]prod_3=>frag_3+OH	
	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	
806	>[frag_3]	3.5978E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_3>[prod_3]prod_3=>frag_3+OH	
	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	
	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	
807	>[frag_3]	1.666E-08
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
808	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	3.4335E-08
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	$>[allyloxy]allyloxy=>C_2H_3+CH_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
809	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.2863E-06

[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
>[npropyl]npropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
810 >[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	4.3602E-07
$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O	
$811 > [C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	9.3271E-06
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
>[ipropyl]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
812 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.2095E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
813 >[CH <sub>3</sub> O]	0.00238726
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
>[acetyl]acetyl(+M)=>CH3+CO(+M)	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
814 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	4.6284E-06
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
>[ipropyl]ipropyloo+CH <sub>3</sub> CH <sub>2</sub> OO=>ipropyloxy+ethoxy+O <sub>2</sub>	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
815 >[CH <sub>3</sub> O]	7.3572E-08
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
>[ipropyl]ipropyloo+CH <sub>3</sub> CH <sub>2</sub> OO=>ipropyloxy+ethoxy+O <sub>2</sub>	
>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
816 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	7.1124E-08

[i	ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>	[ipropylooh]ipropylooh=>ipropyloxy+OH	
>	[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>	·[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>	•[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
>	CH <sub>2</sub> O]CH <sub>2</sub> O+formylperoxy=>HCO+formylooh	
817 >	·[formylooh]formylooh=>formyloxy+OH>[formyloxy]	3.3331E-08
[i	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> > <mark>[C<sub>3</sub>H<sub>6</sub>]</mark> H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
>	·[npropyl]npropyloo+HO <sub>2</sub> =>npropylooh+O <sub>2</sub>	
>	[npropylooh]npropylooh=>npropyloxy+OH	
>	·[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>	·[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
818 >	·[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.7225E-08
[i	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>O <sub>2</sub> +ipropyl	
>	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
819 >	[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.115E-07
[i	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
>	•[allyl]allyl+HO <sub>2</sub> =>C <sub>3</sub> H <sub>6</sub> +O <sub>2</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
820 >	[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.5544E-07
[i	[propyl][propyloo=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
>	[npropyl]O <sub>2</sub> +npropyl=>QOOH_2	
821 >	[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	3.9393E-07
[i	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
	·[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	·[allyloxy]allyloxy=>acrolein+H	
>	[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
	[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.1343E-07
[i	ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	·[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>	[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>	$[C_2H_5]CH_3CH_2OO=>CH_2CH_2OOH$	
823 >	[CH <sub>2</sub> CH <sub>2</sub> OOH]CH <sub>2</sub> CH <sub>2</sub> OOH=>oxirane+OH>[oxirane]	9.9514E-07

	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +ipropyloo=>allyl+ipropylooh	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
824	>[CH <sub>3</sub> O]	6.6919E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]npropyloo+CH <sub>3</sub> OO=>npropyloxy+CH <sub>3</sub> O+O <sub>2</sub>	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
825	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	5.5259E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+ipropyl	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
826	>[CH <sub>3</sub> O]	8.3288E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
827	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.703E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
	>[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
828	>[npropyl]npropyloo=>OH+propoxide>[propoxide]	2.5016E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>C_2H_5+HCO$	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
829	>[CH <sub>3</sub> O]	1.2415E-06

_		T
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
830	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	2.2232E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+OH=>CH <sub>2</sub> CHCO+H <sub>2</sub> O	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
831	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.4267E-07
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +npropyloo=>allyl+npropylooh	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
832	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.4998E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH\_2$	
000	$>$ [QOOH_2]QOOH_2= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> = $>$ allyl+H <sub>2</sub> O <sub>2</sub>	2 005 65 07
833	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.9056E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
834	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	8.651E-08
	[212	

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+H=>acetyl+H <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
835	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.4079E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
836	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.5513E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH3OO=>CH2CHCO+CH3OOH	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
837	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	8.4066E-07
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]HO2+C3H6=>ipropyloo	
	>[ipropyloo]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
838	>[CH <sub>3</sub> O]	8.6824E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]ipropyloo+npropyloo=>ipropyloxy+npropyloxy+O <sub>2</sub>	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
839	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	2.538E-08

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
	> <mark>[CH<sub>2</sub>O]</mark> ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
	> <mark>[ipropylooh]</mark> ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
840	>[CH <sub>3</sub> O]	7.7466E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> O=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OH	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
841	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	3.8523E-08
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>propen2yl+H <sub>2</sub> O	
	>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
842	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	6.514E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +H=>allyl+H <sub>2</sub>	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	> <mark>[allyloxy]</mark> allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
843	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.4508E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	> <mark>[allyl]</mark> ipropyloo+allyl=>ipropyloxy+allyloxy	
	> <mark>[allyloxy]</mark> allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH <sub>2</sub> CHCO+ipropylooh	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
844	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.9458E-08
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>O <sub>2</sub> +ipropyl	
	>[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>propen1ol+OH	
845	>[propen1ol]	1.594E-07

	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
846	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	7.1843E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
847	>[CH <sub>3</sub> O]	2.1354E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH	
	>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
848	>[CH <sub>3</sub> O]	2.6464E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> O=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OH	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
849	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.7545E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ $H_2O$	
	>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
	>[HCO]HCO+O <sub>2</sub> =>formylperoxy	
	>[formylperoxy]CH <sub>2</sub> O+formylperoxy=>HCO+formylooh	
850	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	5.5459E-07
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	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
0.51	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	F 65125 07
851	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	5.6513E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+OH=>CH <sub>2</sub> CHCO+H <sub>2</sub> O	
0.50	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	2 40755 07
852	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	3.1975E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
853	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.4533E-07
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]H + C_3H_6 = > ipropyl$	
	>[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
854	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	2.7757E-07
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]H + C_3H_6 = > ipropyl$	
	>[ipropyl]ipropyloo+CH <sub>3</sub> OO=>ipropyloxy+CH <sub>3</sub> O+O <sub>2</sub>	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
855	>[CH <sub>3</sub> O]	2.8303E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]npropyloo+HO <sub>2</sub> =>npropylooh+O <sub>2</sub>	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]$ npropyloxy= $>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
	>[C <sub>2</sub> H <sub>4</sub> ]C <sub>2</sub> H <sub>4</sub> +OH=>CH <sub>2</sub> CH <sub>2</sub> OH	
856	>[CH <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O]	2.6342E-08

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
857	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	7.1391E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
858	>[CH <sub>3</sub> ]CH <sub>3</sub> +HO <sub>2</sub> =>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.4098E-06
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]allyl+CH <sub>3</sub> OO= $>$ allyloxy+CH <sub>3</sub> O- $>$ [CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> = $>$ CH <sub>2</sub> O+HO <sub>2</sub> - $>$	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
859	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	3.2094E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
	>[acetyl]acetaldehyde+acetylperoxy=>acetyl+CH <sub>3</sub> CO <sub>3</sub> H	
860	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	7.8141E-08
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O$	
	>[allyl]allyl+CH <sub>3</sub> OO= $>$ allyloxy+CH <sub>3</sub> O $>$ [CH <sub>3</sub> O]CH <sub>3</sub> O+M= $>$ CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
861	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	4.6235E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	$>$ [frag_1]frag_1= $>$ vinoxy+CH <sub>2</sub> O $>$ [vinoxy]vinoxy+O <sub>2</sub> = $>$ CH <sub>2</sub> O+CO+OH	
0.60	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	0.65005.07
862	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.6532E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo+CH <sub>3</sub> CH <sub>2</sub> OO=>npropyloxy+ethoxy+O <sub>2</sub>	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
0.63	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	1 42045 00
863	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.4384E-08

	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
864	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	4.5392E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
	->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
	>[CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
865	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	9.6138E-08
	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>npropyloo	
866	>[npropyloo]npropyloo=>OH+propoxide>[propoxide]	7.2618E-07
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 > [C_3H_6]H + C_3H_6 = > npropyl$	
	>[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
867	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.4413E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH 3$	
868	>[QOOH 3]well 3=>well 5>[well 5]well 5=>OH+prod 3>[prod 3]	4.3392E-07
000	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH_3$	1.33322 07
	>[QOOH 3]well 3=>well 5>[well 5]well 5=>OH+prod 3	
869	>[prod_3]prod_3=>frag_3+OH>[frag_3]	4.3084E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +npropyloo=>allyl+npropylooh>[allyl]allyl+HO <sub>2</sub> =>prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
070	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.5007E-07

[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO=>C <sub>2</sub> H <sub>4</sub> +HO <sub>2</sub>	
$ S_2  >  C_2  +  C_2  +  C_2  +  C_3  +  C_4  +  C_4$	7.9663E-08
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
872 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	3.617E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[npropyl]npropyloo+HO <sub>2</sub> =>npropylooh+O <sub>2</sub>	
873 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.0521E-07
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.1754E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+ipropyl	
>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
875 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.7152E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
>[ipropyl]ipropyloo+npropyloo=>ipropyloxy+npropyloxy+O <sub>2</sub>	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
876 >[CH <sub>3</sub> O]	1.8039E-08

	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
877	>[C <sub>2</sub> H <sub>5</sub> ]C <sub>2</sub> H <sub>5</sub> +O <sub>2</sub> =>acetaldehyde+OH>[acetaldehyde]	1.7703E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
878	>[CH <sub>3</sub> O]	5.3372E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>allyl+H_2$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
879	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.4988E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O>[CH <sub>2</sub> O]CH <sub>2</sub> O+OH=>HCO+H <sub>2</sub> O	
880	>[HCO]HCO+O <sub>2</sub> =>CO+HO <sub>2</sub> >[CO]CO+HO <sub>2</sub> =>CO <sub>2</sub> +OH>[CO <sub>2</sub> ]	1.0732E-08
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]npropyloo+acetylperoxy=>npropyloxy+acetyloxy+O <sub>2</sub>	
	>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
881	>[CH <sub>3</sub> O]	2.9458E-08
	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
882	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.5073E-07

[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2>[allyl]allyl+CH_3OO=>allyloxy+CH_3O>[allyloxy]allyloxy=>acrolein+H$	
>[allyl]allyl+CH3OO=>allyloxy+CH3O>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
883 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.821E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
$>$ [ipropyl] $O_2$ +ipropyl= $>$ H $O_2$ + $C_3$ H $_6$ $>[C_3$ H $_6$ ] $C_3$ H $_6$ +H $O_2$ = $>$ allyl+H $_2$ O $_2$	
884 >[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	3.7673E-07
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O	
>[allyloxy]vinoxylmethyl=>acrolein+H	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
885 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.0608E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
886 >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	6.5525E-08
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
887 >[CH <sub>3</sub> O]	1.8993E-07

	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O OH = > allyl + H_2O - OH = > allyl + Allyl + H_2O - OH = > allyl + Allyl +$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
888	>[allyloxy]allyloxy=>C <sub>2</sub> H <sub>4</sub> +HCO>[C <sub>2</sub> H <sub>4</sub> ]C <sub>2</sub> H <sub>4</sub> +OH=>CH <sub>2</sub> CH <sub>2</sub> OH >[CH <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O]	2.0836E-07
		2.00302 07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H>[acrolein]acrolein+H=>CH <sub>2</sub> CHCO+H <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
889	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	4.3123E-08
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
	>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH	
	>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
890	>[CH <sub>3</sub> O]	5.0748E-07
	[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>well_2	
	>[well_2]well_2=>well_3>[well_3]QOOH_3=>OH+propoxide	
891	>[propoxide]	4.893E-09
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>O_2+ipropyl$	
	>[ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> = $>$ allyl+H <sub>2</sub> O <sub>2</sub>	
892	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.2015E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+H=>acetyl+H <sub>2</sub>	
	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
893	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.0709E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>allyl+H_2$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
894	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.4317E-07
334		1.101/10/

[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
895 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	4.0706E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]C <sub>3</sub> H <sub>8</sub> +acetylperoxy=>npropyl+CH <sub>3</sub> CO <sub>3</sub> H	
896 >[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	5.1579E-07
[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +CH <sub>3</sub> CH <sub>2</sub> OO=>allyl+CH <sub>3</sub> CH <sub>2</sub> OOH	
897 >[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	2.2021E-06
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>O_2+ipropyl$	
898 >[ipropyl]O <sub>2</sub> +ipropyl=>OH+propoxide>[propoxide]	6.9285E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[CH <sub>2</sub> O]ipropyloo+CH <sub>2</sub> O=>ipropylooh+HCO	
899 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.058E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O	
>[allyloxy]allyloxy+O <sub>2</sub> =>acrolein+HO <sub>2</sub>	
>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
900 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	5.6242E-08
[ipropyl]O <sub>2</sub> +ipropyl=>QOOH_3>[QOOH_3]well_3=>HO <sub>2</sub> +prod_7	
901 >[prod_7]prod_7=>propen2oxy+OH>[propen2oxy]	4.7089E-06

[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[allyloxy]vinoxylmethyl=>C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> =>O+vinoxy	
$902 > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH > [CO]$	3.2848E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
903 >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.7714E-07
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+H=>allyl+H2	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
904 >[CH <sub>3</sub> O]	1.7027E-06
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
905 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	4.0723E-07
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
>[ipropyl]ipropyloo+npropyloo=>ipropyloxy+npropyloxy+O <sub>2</sub>	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O	12
906 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.6136E-08

	[inconviling and a conviling and a convince and a conviling and a convince and a c	1
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
0.07	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	5 0 4005 07
907	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	5.2489E-07
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
908	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	7.098E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH	
	>[propen1ol]propen1ol+OH=>CH <sub>2</sub> O+C <sub>2</sub> H <sub>3</sub> +H <sub>2</sub> O	
	>[CH <sub>2</sub> O]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO	
909	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	4.0436E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O$	
	>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
910	>[CH <sub>3</sub> O]	9.5922E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH2CHCO]CH2CHCO=>C2H3+CO>[C2H3]C2H3+O2=>O+vinoxy	
911	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.6537E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+OH=>acetyl+H <sub>2</sub> O	
	>[acetyl]acetylperoxy+HO <sub>2</sub> =>CH <sub>3</sub> CO <sub>3</sub> H+O <sub>2</sub>	
912	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	7.8869E-09

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.2219E-07
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]HO_2 + C_3H_6 = > ipropyloo$	
	>[ipropyloo]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> = $>$ OH+propoxide	
914	>[propoxide]	1.5661E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub>	
	>[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +npropyloo=>allyl+npropylooh	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+ipropyl	
915	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	3.0613E-06
	[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>QOOH_2	
	>[QOOH_2]well_2=>well_3>[well_3]QOOH_3=>OH+propoxide	
916	>[propoxide]	3.9975E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy+O <sub>2</sub> =>acrolein+HO <sub>2</sub>	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
917	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.2098E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]ipropyloo+acetylperoxy=>ipropyloxy+acetyloxy+O <sub>2</sub>	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
918	>[CH <sub>3</sub> O]	1.3109E-08
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]npropyloo+C <sub>3</sub> H <sub>8</sub> =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> = $>$ propen1ol+OH	
919	>[propen1ol]	2.8616E-07

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde >[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	$>[CH_3]CH_3OO+C_3H_8=>CH_3OOH+npropyl>[npropyl]well_1=>OH+prod_1-$	
920	->[prod 1]	2.7445E-06
320	> [prod_1]	2.7 1132 00
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
921	->[prod_1]prod_1=>frag_1+OH>[frag_1]	2.733E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
922	>[CH <sub>3</sub> O]	6.8375E-08
	[inconding and a -> 110 + C   1 + > [C   1 + C   1 + O   1 + > all del 1 + O	
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH <sub>2</sub> CHCO+ipropylooh	
022	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	6.4407E-08
323	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	0.440/L-00
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	$>[allyloxy]allyloxy=>C_2H_3+CH_2O>[CH_2O]CH_3OO+CH_2O=>CH_3OOH+HCO$	
924	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	3.8487E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]ipropyl+C <sub>3</sub> H <sub>6</sub> =>C <sub>3</sub> H <sub>8</sub> +allyl	
925	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	2.5285E-06

	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 > [C_3H_6]H + C_3H_6 = > ipropyl$	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
926	>[CH <sub>3</sub> O]	2.3318E-06
	$\frac{[\text{ipropyl}]}{[\text{ipropyloo}=>HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl}$	
	>[ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> = $>$ npropyl	
	>[npropyl]npropyloo+HO <sub>2</sub> =>npropylooh+O <sub>2</sub>	
927	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.8455E-08
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]ipropyloo+acetylperoxy=>ipropyloxy+acetyloxy+O <sub>2</sub>	
	>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
928	>[CH <sub>3</sub> O]	1.3308E-08
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]vinoxylmethyl= $>$ C <sub>2</sub> H <sub>3</sub> +CH <sub>2</sub> O>[C <sub>2</sub> H <sub>3</sub> ]C <sub>2</sub> H <sub>3</sub> +O <sub>2</sub> = $>$ O+vinoxy	
929	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	6.8591E-06
	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]npropyloo+acetaldehyde=>npropylooh+acetyl	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
930	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.4683E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
931	>[CH <sub>3</sub> O]	2.4239E-06

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ acetaldehyde+ $CH_3$	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
932	>[CH <sub>3</sub> O]	9.9206E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>ethenol+CH <sub>3</sub>	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+acetaldehyde=>CH <sub>3</sub> OOH+acetyl	
933	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	4.0408E-06
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
	>[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +HO <sub>2</sub> =>allyl+H <sub>2</sub> O <sub>2</sub>	
934	>[allyl]allyl+HO <sub>2</sub> =>allyloxy+OH>[allyloxy]	2.8872E-07
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+OH=>propen1yl+H2O	
	>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
935	>[CH <sub>3</sub> O]	1.8293E-06
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]HO2+C3H6=>ipropyloo	
	>[ipropyloo]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
936	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.4265E-06
	[inconviling and a second of the second of t	
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+CH <sub>3</sub> CH <sub>2</sub> OO=>ipropyloxy+ethoxy+O <sub>2</sub>	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
027	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	4 10045 00
937	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	4.1864E-09
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> O=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OH	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
938	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	3.82E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>QOOH_3	
939	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	4.4069E-08

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
940	>[npropyl]well_1=>OH+prod_1>[prod_1]	5.4366E-08
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>ipropyl	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
941	>[frag_1]	5.3932E-08
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	
942	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.1729E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetaldehyde+acetylperoxy=>acetyl+CH <sub>3</sub> CO <sub>3</sub> H	
	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH	
	>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
943	>[CH <sub>3</sub> O]	2.5864E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]CH <sub>2</sub> O+OH=>HCO+H <sub>2</sub> O>[HCO]HCO+O <sub>2</sub> =>CO+HO <sub>2</sub>	
944	>[CO]CO+HO <sub>2</sub> =>CO <sub>2</sub> +OH>[CO <sub>2</sub> ]	2.589E-09
344		2.3031 03
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
	->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
Q/IE	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.1337E-07
343	~[iibiobàiooii]iibiobàiooii-~iibiobàioxà±oii>[iibiobàioxà]	Z.133/E-U/

[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[allyloxy]allyloxy=>acrolein+H>[acrolein]acrolein+H=>CH <sub>2</sub> CHCO+H <sub>2</sub>	
>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
946 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.965E-08
[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]allyl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
947 >[CH <sub>3</sub> O]	5.2622E-06
[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+OH=>propen2yl+H2O	
>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
948 >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	2.14E-05
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
949 >[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.3643E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
>[CH <sub>2</sub> O]CH <sub>2</sub> O+formylperoxy=>HCO+formylooh	
950 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	4.7439E-08
$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 > [C_3H_6]C_3H_6 + OH = > allyl + H_2O OH = - Allyl + OH = -$	
>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
951 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.1484E-07

	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+ipropyl	
952	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.3719E-05
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>npropyloo	
	>[npropyloo]npropyloo+HO <sub>2</sub> =>npropylooh+O <sub>2</sub>	
953	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	5.4904E-07
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
	>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
954	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	2.2441E-08
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]npropyloo+npropyloo=>O <sub>2</sub> +npropyloxy+npropyloxy	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+ipropyl	
955	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.3013E-07
	figure and improved as a selection of the selection of th	
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O	
05.6	$>[allyloxy]$ vinoxylmethyl= $>C_2H_3+CH_2O->[C_2H_3]C_2H_3+O_2=>O+vinoxy$	2 22055 06
956	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	3.2305E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>$ ketene+ $CH_3+H$	
0.57	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	6 04725 06
957	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	6.0472E-06
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
958	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.5686E-07
330	$\frac{ [ipropyl]O_2 + ipropyl] = >HO_2 + C_3H_6 - >[C_3H_6]H + C_3H_6 = >npropyl - }{ [ipropyl]O_2 + ipropyl] = >HO_2 + C_3H_6 - >[C_3H_6]H + C_3H_6 = >npropyl - }{ [ipropyl]O_2 + ipropyl] = >HO_2 + C_3H_6 - >[C_3H_6]H + C_3H_6 = >npropyl - }{ [ipropyl]O_2 + ipropyl] = >HO_2 + C_3H_6 - >[C_3H_6]H + C_3H_6 = >npropyl - }{ [ipropyl]O_2 + ipropyl] = >HO_2 + C_3H_6 - >[C_3H_6]H + C_3H_6 = >npropyl - }{ [ipropyl]O_2 + ipropyl] = >HO_2 + C_3H_6 - >[C_3H_6]H + C_3H_6 = >npropyl - }{ [ipropyl]O_2 + ipropyl] = >HO_2 + C_3H_6 - >[C_3H_6]H + C_3H_6 = >npropyl - }{ [ipropyl]O_2 + ipropyl] = >HO_2 + C_3H_6 - >[C_3H_6]H + C_3H_6 = >npropyl - }{ [ipropyl]O_2 + ipropyl] = >HO_2 + C_3H_6 - >[C_3H_6]H + C_3H_6 = >npropyl - }{ [ipropyl]O_2 + ipropyl] = >HO_2 + C_3H_6 - >[C_3H_6]H + C_3H_6 = >npropyl - }{ [ipropyl]O_2 + ipropyl]O_2 + ipropyl - }{ [ipropyl]O_2 + ipropyl - }{ [ipropyl]O_2 + ipropyl]O_2 + ipropyl - }{ [ipropyl]O_2 + ipro$	2.50001 07
	$>[npropyl]O_2+QOOH_1=>HO_2+prod_2>[prod_2]prod_2=>allyloxy+OH$	
959	>[allyloxy]	1.5402E-06
333	-[anyloxy]	1.J4UZL-UU

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[ipropyl]ipropyloo=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>propen2yl+H_2O--
      >[propen2yl]propen2yl+O<sub>2</sub>=>acetyl+CH<sub>2</sub>O--
      >[acetyl]CH<sub>2</sub>O+acetylperoxy=>HCO+CH<sub>2</sub>CO<sub>3</sub>H--
      >[CH<sub>3</sub>CO<sub>3</sub>H]CH<sub>3</sub>CO<sub>3</sub>H=>acetyloxy+OH--
      >[acetyloxy]acetyloxy+M=>CH<sub>3</sub>+CO<sub>2</sub>+M--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
960 > [CH<sub>3</sub>O]
                                                                                                                 9.8783F-07
      [ipropyl]O_2+ipropyl=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>propen2yl+H_2O--
      >[propen2yl]propen2yl+O<sub>2</sub>=>acetyl+CH<sub>2</sub>O--
      >[acetyl]acetylperoxy+HO<sub>2</sub>=>CH<sub>3</sub>CO<sub>3</sub>H+O<sub>2</sub>--
      >[CH<sub>3</sub>CO<sub>3</sub>H]CH<sub>3</sub>CO<sub>3</sub>H=>acetyloxy+OH--
      >[acetyloxy]acetyloxy+M=>CH<sub>3</sub>+CO<sub>2</sub>+M--
      >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
961 > [CH<sub>3</sub>O]
                                                                                                                 2.0845E-07
      [ipropyl]ipropyloo=>HO<sub>2</sub>+C<sub>3</sub>H<sub>6</sub>--
      >[C<sub>3</sub>H<sub>6</sub>]C<sub>3</sub>H<sub>6</sub>+ipropyloo=>allyl+ipropylooh-->[allyl]allyl+HO<sub>2</sub>=>prod 2--
      >[prod 2]prod 2=>allyloxy+OH-->[allyloxy]allyloxy=>acrolein+H--
      >[acrolein]acrolein+HO<sub>2</sub>=>CH<sub>2</sub>CHCO+H<sub>2</sub>O<sub>2</sub>--
      >[CH<sub>2</sub>CHCO]CH<sub>2</sub>CHCO+O<sub>2</sub>=>vinoxy+CO<sub>2</sub>--
962 | >[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH-->[CO]
                                                                                                                   1.136E-07
      >[ipropyl]O<sub>2</sub>+ipropyl=>QOOH 3-->[QOOH 3]QOOH 3=>OH+propoxide--
963 > [propoxide]
                                                                                                                 6.8442E-07
      [ipropyl]ipropyloo=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2--
      >[allyl]allyl+CH<sub>3</sub>OO=>allyloxy+CH<sub>3</sub>O-->[CH<sub>3</sub>O]CH<sub>3</sub>O+M=>CH<sub>2</sub>O+H+M--
      >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
964 > [ipropylooh] ipropylooh = > ipropyloxy + OH - - > [ipropyloxy]
                                                                                                                 3.4912E-07
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	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
965	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	4.4915E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH= $>$ allyl+H <sub>2</sub> O	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
966	>[CH <sub>3</sub> O]	7.1694E-08
	$[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O$	
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
967	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	3.9372E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
968	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	1.6604E-06
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]CH <sub>2</sub> O+acetylperoxy=>HCO+CH <sub>3</sub> CO <sub>3</sub> H	
969	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	4.8355E-08
		<u> </u>

	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> OOH+HCO>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
970	>[CH <sub>3</sub> O]	8.791E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>allyl+H_2$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
971	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	6.5985E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
	>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
972	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	3.2403E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
973	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.0863E-07
373		4.0003L-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	$>[allyloxy]$ allyloxy= $>formylethyl->[formylethyl]formylethyl=>C_2H_4+HCO-$	
	->[C <sub>2</sub> H <sub>4</sub> ]C <sub>2</sub> H <sub>4</sub> +OH=>CH <sub>2</sub> CH <sub>2</sub> OH	
974	>[CH <sub>2</sub> CH <sub>2</sub> OH]O <sub>2</sub> C <sub>2</sub> H <sub>4</sub> OH=>OH+CH <sub>2</sub> O+CH <sub>2</sub> O>[CH <sub>2</sub> O]	9.4096E-08
	[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]npropyloo+C <sub>3</sub> H <sub>8</sub> =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	

	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
	->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
976	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	2.7318E-06
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
977	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.4636E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH <sub>2</sub> CHCO+npropylooh	
978	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.8774E-07
	Figure 10 in ground and C. H. Landing ground and the improved	
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
	->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH <sub>2</sub> O	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O-	
070	->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	2 20125 00
979	>[CH <sub>3</sub> O]	2.2612E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
000	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	7 20555 07
980	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	7.3955E-07

	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo= $>$ HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH= $>$ propen2yl+H <sub>2</sub> O	
	>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
	>[acetyl]acetyl(+M)=>CH <sub>3</sub> +CO(+M)>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub>	
981	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.2637E-07
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]H+C <sub>3</sub> H <sub>6</sub> =>npropyl	
	>[npropyl]well_1=>HO <sub>2</sub> +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO <sub>2</sub> =>CH <sub>2</sub> CHCO+H <sub>2</sub> O <sub>2</sub>	
	>[CH <sub>2</sub> CHCO]CH <sub>2</sub> CHCO+O <sub>2</sub> =>vinoxy+CO <sub>2</sub>	
982	>[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	7.4436E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[CH <sub>3</sub> O]CH <sub>3</sub> O+M=>CH <sub>2</sub> O+H+M	
	>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
983	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	2.2546E-07
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
984	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	6.6689E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+HO <sub>2</sub> =>ipropylooh+O <sub>2</sub>	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
985	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.3841E-08
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
000	>[npropyloxy]npropyloxy= $>$ C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O $>$ [C <sub>2</sub> H <sub>5</sub> ]C <sub>2</sub> H <sub>5</sub> +HO <sub>2</sub> = $>$ ethoxy+OH	4 2005 00
986	>[ethoxy]	4.306E-06

	T	1
987	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>propen1yl+H <sub>2</sub> O>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub> >[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]acetyloxy+M=>CH <sub>3</sub> +CO <sub>2</sub> +M>[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.4761E-07
	$[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH <sub>3</sub> OO=>allyloxy+CH <sub>3</sub> O>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
988	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.882E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
	>[npropylooh]npropylooh=>npropyloxy+OH >[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+O <sub>2</sub>	
989	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	5.4235E-07
303		3.12332 07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ $H_2O$	
	>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
	>[acetyl]CH <sub>2</sub> O+acetylperoxy=>HCO+CH <sub>3</sub> CO <sub>3</sub> H	
990	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.0128E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+npropyl	
	>[npropyl]npropyloo+C <sub>3</sub> H <sub>8</sub> =>npropylooh+npropyl	
991	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.9495E-06

	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]C <sub>3</sub> H <sub>6</sub> +OH=>allyl+H <sub>2</sub> O	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
	>[acetaldehyde]acetaldehyde+acetylperoxy=>acetyl+CH <sub>3</sub> CO <sub>3</sub> H	
992	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	1.4733E-08
	[ipropyl]O2+ipropyl=>HO2+C3H6>[C3H6]C3H6+OH=>propen2yl+H2O	
	>[propen2yl]propen2yl+O <sub>2</sub> =>acetyl+CH <sub>2</sub> O	
	>[CH <sub>2</sub> O]npropyloo+CH <sub>2</sub> O=>npropylooh+HCO	
002	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	5.8346E-07
333	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>allyl+H_2$	3.8340L-07
	>[allyl]allyl+HO <sub>2</sub> =>prod_2>[prod_2]prod_2=>allyloxy+OH >[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
994	>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]	1.3906E-07
	[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
	>[npropyl]npropyloo+C <sub>3</sub> H <sub>8</sub> =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C <sub>2</sub> H <sub>5</sub> +CH <sub>2</sub> O	
	>[C <sub>2</sub> H <sub>5</sub> ]CH <sub>3</sub> CH <sub>2</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> CH <sub>2</sub> OOH+ipropyl	
995	>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]	4.7104E-06
	[ipropyl]ipropyloo=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>ipropyloo	
	>[ipropyloo]O <sub>2</sub> +ipropyl=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>QOOH_2	
996	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	8.4726E-08
	[ipropyl] $O_2$ +ipropyl=> $HO_2$ + $C_3H_6$ >[ $C_3H_6$ ] $C_3H_6$ +OH=>propen1yl+ $H_2$ O	
	>[propen1yl]propen1yl+O <sub>2</sub> =>acetaldehyde+HCO	
	>[acetaldehyde]acetaldehyde+HO <sub>2</sub> =>acetyl+H <sub>2</sub> O <sub>2</sub>	
007	>[acetyl]H <sub>2</sub> O <sub>2</sub> +acetylperoxy=>HO <sub>2</sub> +CH <sub>3</sub> CO <sub>3</sub> H	2 44755 07
997	>[CH <sub>3</sub> CO <sub>3</sub> H]CH <sub>3</sub> CO <sub>3</sub> H=>acetyloxy+OH>[acetyloxy]	2.4475E-07
	[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH_2$	
	>[QOOH_2]QOOH_2=>HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> >[C <sub>3</sub> H <sub>6</sub> ]HO <sub>2</sub> +C <sub>3</sub> H <sub>6</sub> =>QOOH_2	
998	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	1.4457E-07

[ipropyl]ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH <sub>3</sub> OO=>CH <sub>2</sub> CHCO+CH <sub>3</sub> OOH	
$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
999 >[vinoxy]vinoxy+O <sub>2</sub> =>CH <sub>2</sub> O+CO+OH>[CO]	1.6783E-07
[ipropyl]ipropyloo+C <sub>3</sub> H <sub>8</sub> =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH <sub>3</sub> +acetaldehyde	
>[CH <sub>3</sub> ]CH <sub>3</sub> OO+C <sub>3</sub> H <sub>8</sub> =>CH <sub>3</sub> OOH+ipropyl	
>[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH>[CH <sub>3</sub> O]CH <sub>3</sub> O+O <sub>2</sub> =>CH <sub>2</sub> O+HO <sub>2</sub>	
>[CH <sub>2</sub> O]CH <sub>3</sub> CH <sub>2</sub> OO+CH <sub>2</sub> O=>CH <sub>3</sub> CH <sub>2</sub> OOH+HCO	
>[CH <sub>3</sub> CH <sub>2</sub> OOH]CH <sub>3</sub> CH <sub>2</sub> OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH <sub>3</sub> +CH <sub>2</sub> O	-
->[CH <sub>3</sub> ]CH <sub>3</sub> OO+HO <sub>2</sub> =>CH <sub>3</sub> OOH+O <sub>2</sub> >[CH <sub>3</sub> OOH]CH <sub>3</sub> OOH=>CH <sub>3</sub> O+OH	
1000 >[CH <sub>3</sub> O]	1.1292E-07