	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
1	>[prod_1]	0.05590596
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
2	>[prod_1]prod_1=>frag_1+OH>[frag_1]	0.05590607
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
3	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	0.05586996
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
4	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	0.00078455
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
5	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	0.00219081
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>OH+propoxide	
6	>[propoxide]	0.01290632
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
7	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide>[propoxide]	0.00044419
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>QOOH_2	
8	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	0.00274334
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
9	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	0.00471397
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
10	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	0.00064181
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	
11	>[propoxide]	0.00023299
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
12	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	0.00192593
	$[OH]C_3H_8 + OH = > npropyl + H_2O$	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
13	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	0.00544519
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
14	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	0.00031117

	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
15	$>[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH>[propen1ol]	0.00044548
	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
16	$>[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH>[propen1ol]	0.00069062
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
17	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	0.00619372
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
18	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	8.1015E-05
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
19	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	0.00011863
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
20	>[npropyl]well_1=>OH+prod_1>[prod_1]	0.00031446
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
21	>[frag_1]	0.00031446
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
22	>[CO]	0.00031426
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>QOOH_3	
23	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	0.00059454
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	0.000000
24	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	0.00026312
	$[OH]C_3H_8 + OH = \text{sipropyl} + H_2O - \text{sipropyl} \text{ipropyloo} = \text{sHO}_2 + C_3H_6 - \text{sipropyloo}$	
2.5	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	0.000004.47
25	>[allyloxy]	0.00030447

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>OH+propoxide	
26	>[propoxide]	0.0006612
	$ [OH]C_3H_8 + OH = \times [propyl] + H_2O - \times [propyl]O_2 + (propyl) = \times HO_2 + C_3H_6 - M_2 + M_2O_2 + (propyl)O_2 +$	
27	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide>[propoxide]	0.00025222
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
28	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide>[propoxide]	0.00039102
29	->[frag_1]	0.0029304
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1-	
	->[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
30	>[CO]	0.00292853
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
31	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	0.0003109
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
32	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	0.00021001
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
33	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	8.0891E-05
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>OH+propoxide	
34	>[propoxide]	0.0009607
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
35	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	0.00011857

[OH]C ₃ H ₈ +OH=>npropyl+H ₂ (D>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+0	DH> <mark>[frag_1]</mark> frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+	CO+OH	
>[CH ₂ O]npropyloo+CH ₂ O=>r	npropylooh+HCO	
36 >[npropylooh]npropylooh=>	npropyloxy+OH>[npropyloxy]	0.00026294
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ C	>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ (O ₂ > <mark>[allyl]</mark> allyl+HO ₂ =>prod_2	
37 >[prod_2]prod_2=>allyloxy+	OH>[allyloxy]	0.0003644
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ (O>[npropyl]O ₂ +npropyl=>OH+propoxide	
38 >[propoxide]		0.00239022
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ 0	O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ C	O ₂ > <mark>[allyl]</mark> allyl+HO ₂ =>prod_2	
39 >[prod_2]prod_2=>allyloxy+	OH>[allyloxy]	0.00056539
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ 0	O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+0	DH> <mark>[frag_1]</mark> frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>	CH ₃ CH ₂ OOH+HCO	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=	ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OO	OH+O ₂ > <mark>[CH₃OOH]</mark> CH ₃ OOH=>CH ₃ O+OH	
40 >[CH ₃ O]		2.7971E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ C	>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
$41 > [C_3H_6]H+C_3H_6=> npropyl>$	npropyl]well_1=>OH+prod_1>[prod_1]	3.38E-05
	>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
$>[C_3H_6]H+C_3H_6=>npropyl> $	npropyl]well_1=>OH+prod_1	
42 >[prod_1]prod_1=>frag_1+0		3.3665E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ C	>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2	2> <mark>[QOOH_2]</mark> QOOH_2=>OH+propoxide	
43 >[propoxide]		0.0001323
	>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl $>$	npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+0	OH> <mark>[frag_1]</mark> frag_1=>vinoxy+CH ₂ O	
$ 44 >[vinoxy]vinoxy+O_2=>CH_2O+$	CO+OH>[CO]	3.3628E-05
	O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2	2> <mark>[QOOH_2]</mark> QOOH_2=>OH+propoxide	
45 >[propoxide]		0.00020512

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	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
46	[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.114E-06
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
47	7 >[CH ₃ O]	4.2486E-05
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>HO_2+prod_2$	
	>[prod_2]prod_2=>allyloxy+OH>[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	
48	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	7.3451E-05
	$[OH]C_3H_8+OH=>ipropyl+H_2O$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
49	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.161E-05
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	
50	>[propoxide]	2.6578E-05
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
5.	->[prod_1]	1.4197E-05

	OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
52	->[prod_1]prod_1=>frag_1+OH>[frag_1]	1.4197E-05
	$[OH]C_3H_8+OH=>ipropyl+H_2O$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
	->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
53	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.4188E-05
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
54	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	8.7148E-05
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
55	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	2.914E-05
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
56	>[CH ₃ O]	2.793E-05
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
57	>[allyloxy]	0.00017289
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]O ₂ +QOOH_1=>HO ₂ +prod_2	
58	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	0.00128618

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
59	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	0.00018462
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
60	>[allyloxy]	0.00026804
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>QOOH_3$	
61	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	0.00020647
	$ [OH]C_3H_8 + OH = $	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₂ O+formylperoxy=>HCO+formylooh	
62	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	7.1942E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl $>$ [npropyl]npropyloo+HO ₂ = $>$ npropylooh+O ₂	
63	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	6.5901E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+OH=>vinoxy+H ₂ O	
64	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	6.6685E-06
	$ [OH]C_3H_8 + OH = > npropyl + H_2O> [npropyl]well_1 = > OH + prod_3$	
65	>[prod_3]	0.00021657
	$ [OH]C_3H_8 + OH = > npropyl + H_2O> [npropyl]well_1 = > OH + prod_3$	
66	>[prod_3]prod_3=>frag_3+OH>[frag_3]	0.00021657
	$ [OH]C_3H_8 + OH = > npropyl + H_2O> [npropyl]well_1 = > OH + prod_3$	
	>[prod_3]prod_3=>frag_3+OH>[frag_3]frag_3+OH=>prod_3	
67	>[prod_3]prod_3=>frag_3+OH>[frag_3]	1.9749E-05

[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
68 >[CH ₃ O]	4.2475E-05
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>[C_3H_6]C_3H_6+H=>allyl+H_2->[allyl]allyl+HO_2=>prod_2$	
69 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.1101E-05
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	2.11012 00
$ > [C3H6]C3H6 + OH = > allyl + H2O - > [allyl]allyl + HO2 = > prod_2 $	
>[prod_2]prod_2=>allyloxy+OH>[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	
70 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.6747E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[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	
71 >[prod_3]prod_3=>frag_3+OH>[frag_3]	9.1335E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
72 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.5558E-05
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>CO+HO ₂	
73 >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	5.898E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
74 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	9.7315E-06
'	'

[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH	
75 >[propen1ol]	1.5704E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo=>OH+propoxide	
76 >[propoxide]	8.7245E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
77 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	0.00025818
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆	
$ > [C_3H_6]C_3H_6 + HO_2 = > propen1ol + OH>[propen1ol]$	6.8698E-07
$ > [C_3H_6]C_3H_6 + HO_2 = > propen1ol + OH>[propen1ol]$	0.00010109
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
80 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	0.00029367
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>QOOH_2	
>[QOOH_2]well_2=>well_3>[well_3]QOOH_3=>OH+propoxide	
81 >[propoxide]	2.8706E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
82 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.3993E-05
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H	
83 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	5.6453E-06

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh	
84	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.2083E-05
	$[OH]C_3H_8 + OH = > ipropyl + H_2O - > [ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6$	
85	$>[C_3H_6]H+C_3H_6=>npropyl>[npropyl]well_1=>OH+prod_1>[prod_1]$	1.9173E-05
	$[OH]C_3H_8 + OH = > ipropyl + H_2O - > [ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - $	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]well_1=>OH+prod_1	
86	>[prod_1]prod_1=>frag_1+OH>[frag_1]	1.9102E-05
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[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>[frag_3]frag_3+OH=>prod_3	
87	>[prod_3]prod_3=>frag_3+OH>[frag_3]	2.8108E-08
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]C ₃ H ₆ +CH ₃ OO=>allyl+CH ₃ OOH>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
88	>[CH ₃ O]	2.0693E-05
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
0.0	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	2 40765 06
89	>[CH ₃ O]	2.1876E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ = $>$ OH+propoxide	0.00465.06
90	>[propoxide]	8.8916E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
91	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.9088E-05
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh	
92	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	9.9563E-06

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₂ O+formylperoxy=>HCO+formylooh	
93	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	7.1947E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
94	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.5702E-06
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
95	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]well_1=>OH+prod_1>[prod_1]	2.9729E-05
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]well_1=>OH+prod_1	
96	>[prod_1]prod_1=>frag_1+OH>[frag_1]	2.9635E-05
	[OLI]C II + OLI=xinronyl+II O	
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde >[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
97	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.535E-05
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
98	>[CH ₃ O]	2.8178E-05
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]O_2+npropyl=>QOOH_2$	
99	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	0.00017966
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
100	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.0282E-05

	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+CH ₂ O=>ipropylooh+HCO	
101	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.304E-05
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
102	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	3.442E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	$>$ [CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
103	->[prod_1]	1.2481E-05
	$[OH]C_3H_8+OH=>ipropyl+H_2O$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	$>$ [CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
104	->[prod_1]prod_1=>frag_1+OH>[frag_1]	1.2481E-05
	$[OH]C_3H_8+OH=>ipropyl+H_2O$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
4.05	->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	4 2 4 7 2 5 0 5
105	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.2473E-05
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
	$>$ [C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl $>$ [npropyl]well_1= $>$ OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
106	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.9582E-05

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
107	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	7.6612E-05
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	$>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CH_2O]CH_2O+OH=>HCO+H_2O$	
108	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	5.886E-07
100	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	3.0002 07
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH >[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O>[C ₂ H ₅]C ₂ H ₅ +O ₂ =>C ₂ H ₄ +HO ₂	
	$>[C_2H_4]C_2H_4+OH=>CH_2CH_2OH$	
109	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	1.3055E-05
103	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	1.30332 03
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy= $>$ C ₂ H ₅ +CH ₂ O $>$ [C ₂ H ₅]CH ₃ CH ₂ OO= $>$ C ₂ H ₄ +HO ₂	
	$>[C_2H_4]C_2H_4+OH=>CH_2CH_2OH$	
110	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	4.1748E-06
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]O_2+npropyl=>HO_2+C_3H_6$	
111	$>[C_3H_6]HO_2+C_3H_6=>OH+propoxide>[propoxide]$	5.7236E-05
		3.72302 03
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
112	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.4703E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
113	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	9.7203E-06

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
114	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.0043E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]H+C_3H_6=>ipropyl>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
115	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide>[propoxide]	3.8838E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
116	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	3.8581E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +CH ₃ CH ₂ OO=>allyl+CH ₃ CH ₂ OOH	
117	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	5.3875E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[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	
118	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.9782E-06
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
110	$>[C_3H_6]H+C_3H_6=>ipropyl>[ipropyl]ipropyloo+HO_2=>ipropylooh+O_2$	F 2774F 06
119	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	5.3774E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
120	$ C_3H_6 C_3H_6+H=>allyl+H_2>[allyl]allyl+HO_2=>allyloxy+OH>[allyloxy]$	1.0015E-05
120	$[OH]C_3H_8+OH=>npropyl+H_2O$	1.00102 00
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropylosy]$ npropylosy= $>C_2H_5+CH_2O>[C_2H_5]CH_3CH_2OO=>C_2H_4+HO_2]$	
	$>[C_2H_4]C_2H_4+OH=>CH_2CH_2OH$	
121	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	4.7486E-06
	r 7 7 3 7 7 477- [7-]	

$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[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 ₂ H ₄]C ₂ H ₄ +OH=>CH ₂ CH ₂ OH	
122 >[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	1.4851E-05
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
123 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.6039E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H	
$124 \left -> \left[C_3 H_6 \right] C_3 H_6 + HO_2 => propen1ol + OH> \left[propen1ol \right]$	5.2622E-07
OHC3H8+OH=>ipropyl+H2O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
125 >[npropyl]npropyloo=>OH+propoxide>[propoxide]	7.2618E-05
OHC3H8+OH=>ipropyl+H2O>[ipropyl]ipropyloo=>QOOH_3	
>[QOOH_3]well_3=>well_2>[well_2]QOOH_2=>OH+propoxide	
126 >[propoxide]	1.4409E-06
$[OH]C_3H_8 + OH = > ipropyl + H_2O>[ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6$	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	
127 >[propoxide]	1.5092E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
$>[C_3H_6]H+C_3H_6=>npropyl$	
>[npropyl]npropyloo+CH ₂ O=>npropylooh+HCO	
128 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.406E-05

[OH]C₃H₅+OH=>npropvI+H	₂ O> <mark>[npropyl]</mark> well_1=>OH+prod_1	
	+OH>[<mark>frag_1]</mark> frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]ipropyloo+CH ₂ O=>	_	
>[ipropylooh]ipropylooh=>		
>[ipropyloxy]ipropyloxy=>(
>[acetaldehyde]acetaldehy		
	CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
129 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ (1.3646E-06
[OH]C₃H ₈ +OH=>npropyl+H	20>[npropyl]well_1=>HO ₂ +prod_2	
	/+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH ₃ OC		
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =		
$130 > [vinoxy] vinoxy + O_2 = > CH_2C$	_	8.1244E-06
[OH]C ₃ H ₈ +OH=>npropyl+H	₂ O	
>[npropyl]npropyloo+C ₃ H ₈	=>npropylooh+ipropyl	
>[ipropyl]ipropyloo=>HO ₂ +	$-C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
131 >[allyl]allyl+HO ₂ =>prod_2-	->[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.2853E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂	O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂	O> <mark>[allyl]</mark> allyl+HO ₂ =>allyloxy+OH	
>[allyloxy]allyloxy=>acrolei	n+H	
>[acrolein]acrolein+HO ₂ =>	CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =	>vinoxy+CO ₂	
132 >[vinoxy]vinoxy+O ₂ =>CH ₂ C)+CO+OH> <mark>[CO]</mark>	2.2141E-06
[OH]C ₃ H ₈ +OH=>npropyl+H	₂ O	
>[npropyl]npropyloo+C ₃ H ₈	=>npropylooh+npropyl	
>[npropylooh]npropylooh=	=>npropyloxy+OH	
>[npropyloxy]npropyloxy=	>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>	CH ₃ CH ₂ OOH+npropyl	
133 >[npropyl]well_1=>OH+pro	od_1>[prod_1]	1.747E-05
[OH]C ₃ H ₈ +OH=>npropyl+H	₂ O	
>[npropyl]npropyloo+C ₃ H ₈	=>npropylooh+npropyl	
>[npropylooh]npropylooh=	->npropyloxy+OH	
>[npropyloxy]npropyloxy=	>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>	CH ₃ CH ₂ OOH+npropyl	
>[npropyl]well_1=>OH+pro	od_1> <mark>[prod_1]</mark> prod_1=>frag_1+OH	
134 >[frag_1]		1.7471E-05

$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
135 >[CO]	1.7459E-05
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	
136 >[propoxide]	2.3398E-05
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O	-
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
137 >[CH ₃ O]	3.3615E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)	
>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
138 >[CH ₃ O]	2.9859E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+OH=>vinoxy+H2O	
	5.8621E-06

	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H	
140	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	5.6384E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆	
	$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
141	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	5.5563E-07
	OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H 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	
	> <mark>[acrolein]</mark> acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.229E-06
	OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	> <mark>[ipropyl]</mark> ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	> <mark>[ipropylooh]</mark> ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
143	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.367E-05
	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	> <mark>[npropylooh]</mark> npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
144	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.0264E-05
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>$ [C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh>[allyl]allyl+HO ₂ =>prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	9.8503E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
146	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	5.1558E-06

$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
147 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.3237E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
148 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.4897E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod 1]prod 1=>frag 1+OH>[frag 1]frag 1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₂ O+HO ₂ =>HCO+H ₂ O ₂ >[HCO]HCO+O ₂ =>CO+HO ₂	
149 >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	6.6864E-07
$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+npropyl$	
150 >[npropyl]well_1=>OH+prod_1>[prod_1]	1.9872E-05
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+npropyl$	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
151 >[frag_1]	1.9872E-05
$[OH]C_3H_8 + OH = > npropyl + H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
152 >[CO]	1.9859E-05

>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O	
>[HCO]HCO+O ₂ =>formylperoxy	
>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
153 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.5677E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
154 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	0.00010713
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
155 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	8.2689E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	-
156 ->[propoxide]	1.5434E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo=>QOOH_2	
157 >[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	1.7666E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO=>C ₂ H ₃ +CO>[C ₂ H ₃]C ₂ H ₃ +O ₂ =>O+vinoxy	
$ 158 \rangle $ $ \text{vinoxy} \text{vinoxy} + \text{O}_2 = \text{CH}_2\text{O} + \text{CO} + \text{OH} > $ $ \text{CO} $	2.634E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]O ₂ +ipropyl= $>$ HO ₂ +C ₃ H ₆	
$ S_{C_3H_6} C_3H_6 + HO_2 = \text{propen1ol} + OH>[propen1ol]$	3.9872E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[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>[frag_3]frag_3+OH=>prod_3	
>[prod_3]prod_3=>frag_3+OH>[frag_3]frag_3+OH=>prod_3	
160 > [prod_3] prod_3 = > frag_3 + OH> [frag_3]	6.3316E-10

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH	
	>[propen1ol]propen1ol+HO2=>CH2O+C2H3+H2O2	
161	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	2.7423E-06
	$ [OH]C_3H_8 + OH = > npropyl + H_2O - > [npropyl]well_1 = > OH + prod_1 - $	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
162	>[CH ₂ O]CH ₂ O+O=>HCO+OH>[HCO]	5.1608E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2	
163	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	4.6643E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +CH ₃ OO=>allyl+CH ₃ OOH>[allyl]allyl+HO ₂ =>prod_2	
164	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	9.6991E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
165	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.2719E-05
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>[C_3H_6]C_3H_6+HO_2=>propen1ol+OH$	
166	>[propen1ol]propen1ol+OH=>CH ₂ O+C ₂ H ₃ +H ₂ O	1.6352E-06
100	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	1.0332L-00
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O >[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O- ->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
167	>[CH ₃ O]	2.0881E-06
107	s [cu3o]	2.00012 00

$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
168 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.4413E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H	-
$ 169 -> [C_3H_6]HO_2 + C_3H_6 => OH + propoxide> [propoxide]$	2.9798E-07
$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
170 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	7.8696E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]well_1=>HO ₂ +prod_2	
171 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.9279E-06
[OH]CH LOH-SparapyleH O Sparapyllwell 1-SOH prod 1	
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O	
->[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
172 >[CH ₃ O]	1.6191E-05
$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
173 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.1537E-05

[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>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=>acrolein+H	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
$ 174 \rangle [vinoxy] vinoxy+O_2=>CH_2O+CO+OH>[CO]$	1.7265E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
175 >[allyloxy]	2.6518E-05
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>$ [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	
$176 > [C_2H_3]C_2H_3 + O_2 = > O + vinoxy - > [vinoxy]vinoxy + O_2 = > CH_2O + CO + OH > [vinoxy]vinoxy + OH_2O + OH - O$	CO] 1.0116E-05
$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃	₃ H ₆ -
$->[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>prod_2$	
177 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	4.0804E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
178 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	0.00012186
$ [OH]C_3H_8 + OH = \text{sipropyl} + H_2O - \text{sipropyl}]O_2 + \text{ipropyl} = \text{sHO}_2 + C_3H_6 - \text{supplemental formula} $	
>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo+HO ₂ =>npropylooh+C	
179 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.7435E-06

[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
180 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.6184E-05
$OH_3C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
181 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.7122E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	3.71221 00
$>[C_3H_6]H+C_3H_6=>ipropyl$	
>[ipropyl]ipropyloo+ipropyloo=>O ₂ +ipropyloxy+ipropyloxy	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	1.4086E-07
182 >[CH ₃ O]	1.4080E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH	4 00405 07
$ 183\rangle$ [propen1ol]propen1ol+H=>C ₃ H ₆ +OH>[C ₃ H ₆]	4.2019E-07
$ [OH]C3H8+OH=>npropyl+H2O>[npropyl]QOOH_1=>QOOH_2$	
184 >[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	0.00209627
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O	
>[HCO]HCO+O ₂ =>formylperoxy	
>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
185 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.0042E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
$>$ [C ₃ H ₆]C ₃ H ₆ +H=>allyl+H ₂ >[allyl]allyl+HO ₂ =>prod_2	
186 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.1984E-05

$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>ipropyloo	
>[ipropyloo]ipropyloo+HO ₂ =>ipropylooh+O ₂	
187 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.313E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
188 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.5591E-05
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
189 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	8.9531E-06
$>$ [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=>acrolein+H	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
190 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.6463E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	
191 >[propoxide]	2.0592E-07
$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
192 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.3118E-05
$[OH]C_3H_8 + OH = \text{ipropyl} + H_2O \text{ipropyl} \text{ipropyloo} = \text{>} HO_2 + C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
193 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	6.4271E-06

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+H=>C_2H_4+CH_3>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2$	
194	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.3652E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo+HO ₂ =>npropylooh+O ₂	
195	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	5.802E-06
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]O_2+npropyl=>HO_2+C_3H_6$	
	$>[C_3H_6]HO_2+C_3H_6=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide$	
196	>[propoxide]	3.0024E-05
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	$>$ [C ₃ H ₆]C ₃ H ₆ +H=>allyl+H ₂ >[allyl]allyl+HO ₂ =>prod_2	
197	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.8575E-05
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH	
198	>[propen1ol]	8.9204E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>$ [C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh>[allyl]allyl+HO ₂ =>prod_2	
199	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	4.4508E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
200	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.8678E-05
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]O ₂ +ipropyl=>OH+propoxide	
201	>[propoxide]	1.7483E-06
	$ [OH]C_3H_8 + OH = > npropyl + H_2O - > [npropyl]npropyloo = > HO_2 + C_3H_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=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
202	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.1009E-06

$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>formylperoxy	
>[formylperoxy]C ₃ H ₈ +formylperoxy=>npropyl+formylooh	
203 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	5.0459E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
204 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.9105E-05
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
205 >[CH ₃ O]	9.533E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
206 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.4639E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₂ O+HO ₂ =>HCO+H ₂ O ₂ >[HCO]HCO+O ₂ =>formylperoxy	
>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
207 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.8853E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo=>OH+propoxide	
208 >[propoxide]	4.9542E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo=>OH+propoxide	
209 >[propoxide]	1.1603E-06

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
210	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.3652E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo=>QOOH_3	
211	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	1.0338E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>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]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
212	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	8.1051E-07
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>HO_2+prod_2$	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>formylethyl	
	>[formylethyl]formylethyl= $>$ C ₂ H ₄ +HCO $>$ [C ₂ H ₄]C ₂ H ₄ +OH= $>$ CH ₂ CH ₂ OH	
213	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	1.5517E-06
	L Z Z J Z Z 4 ZZ- LZ-J	
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>$ [C ₃ H ₆]C ₃ H ₆ +CH ₃ CH ₂ OO=>allyl+CH ₃ CH ₂ OOH>[allyl]allyl+HO ₂ =>prod_2	
214	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.5227E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
215	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.0301E-06

$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
216 >[CH ₃ O]	3.3594E-06
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo=>OH+propoxide	
217 >[propoxide]	7.6803E-06
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+OH=>vinoxy+H ₂ O	
218 > [vinoxy] vinoxy + O2 = > CH2O + CO + OH > [CO]	1.9087E-07
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>HO_2+prod_2$	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>C ₂ H ₃ +CH ₂ O	
$219 > [C_2H_3]C_2H_3 + O_2 = > O + vinoxy - > [vinoxy]vinoxy + O_2 = > CH_2O + CO + OH > [CO]$	7.6988E-05
$[OH]C_3H_8 + OH = \text{propyl} + H_2O - \text{propyl} \text{well} 1 = \text{polyment} - \text{propyl}$	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
220 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.1197E-07
$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
221 >[npropyl]well_1=>OH+prod_1>[prod_1]	6.3115E-06

$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
222 >[frag_1]	6.3114E-06
$\frac{222}{[OH]C_3H_8+OH=>npropyl+H_2O}$	0.31141-00
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
$>$ [frag_1]frag_1= $>$ vinoxy+CH ₂ O $>$ [vinoxy]vinoxy+O ₂ = $>$ CH ₂ O+CO+OH	6 20745 06
223 >[CO]	6.3074E-06
$[OH]C_3H_8 + OH = > ipropyl + H_2O>[ipropyl]ipropyloo = > HO_2 + C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]O ₂ +ipropyl= $>$ HO ₂ +C ₃ H ₆	
$ > [C_3H_6]HO_2+C_3H_6 = > OH+propoxide>[propoxide] $	2.267E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
225 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	6.7238E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
226 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.1265E-05
$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
	3.0243E-07
227 S[Cn ₃ CO ₃ n]Cn ₃ CO ₃ n=>acetyloxy+On>[acetyloxy]	J.024JL-07
OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]O ₂ +QOOH 1=>HO ₂ +prod 2	
>[prod 2]prod 2=>allyloxy+OH>[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	
228 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.0037E-05
[-[

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
229	>[CH ₃ O]	4.6723E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>QOOH_2	
	>[QOOH_2]well_2=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
230	>[allyloxy]	6.7011E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
	>[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	
231	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.3768E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H 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 ₂ =>CH ₂ CHCO+H ₂ O ₂	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
232	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.3761E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
233	>[CH ₃ O]	0.00010843
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
234	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.211E-06

		1
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O >[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ -	
	$ ->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2>[allyl]allyl+HO_2=>prod_2$	
235	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	4.3055E-07
233	z [prod_z]prod_z z dnyloxy (otr z [unyloxy]	1.30332 07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2>[allyl]allyl+HO_2=>prod_2$	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>C ₂ H ₃ +CH ₂ O	
236	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	1.0674E-05
	$[OH]C_3H_8 + OH = > npropyl + H_2O$	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	
237	>[propoxide]	1.1943E-05
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
238	>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+HO ₂ =>CO ₂ +OH+H>[CO ₂]	6.7925E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]CH ₂ O+HO ₂ =>HCO+H ₂ O ₂	
239	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	6.689E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	0.400
240	>[CH ₃ O]	2.4639E-05

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +CH ₃ CH ₂ OO=>allyl+CH ₃ CH ₂ OOH	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
241	>[CH ₃ O]	1.8564E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆	
242	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	3.8894E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
243	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.2871E-05
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
244	>[CH ₃ O]	3.5669E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
245	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	6.0056E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ allyl+H ₂ O ₂	
246	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	6.0963E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]O ₂ +npropyl=>OH+propoxide	
247	>[propoxide]	1.6638E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₂ O+HO ₂ =>HCO+H ₂ O ₂ >[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
248	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.1282E-06

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
	>[acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
249	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	3.816E-08
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
250	>[ipropyl]ipropyloo=>OH+propoxide>[propoxide]	1.3283E-05
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	>[C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh	
251	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.2543E-05
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
252	>[allyloxy]	2.6796E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
253	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	2.3047E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
254	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	3.3926E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH ₂ O>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
255	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.7466E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	$>[C_3H_6]C_3H_6+ipropyloo=>allyl+ipropylooh$	
256	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	5.6545E-06

$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	-
>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
265 > [CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.3146E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃	+CH ₂ O-
->[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
266 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.9832E-06
$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+O	DH
267 >[CH ₃ O]	1.6E-05
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+CH ₃ OO=>allyloxy+CH ₃	0
>[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	
268 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.3633E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo+HO ₂ =>npropyloo	h+O ₂
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
269 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.4299E-07

[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
270 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.687E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.5688E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
272 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.4327E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>C ₂ H ₄ +HCO	
$>[C_2H_4]C_2H_4+OH=>CH_2CH_2OH$	
273 >[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	1.7664E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
274 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.6156E-05

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H 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 ₂ =>CH ₂ CHCO+H ₂ O ₂	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
275	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	6.2447E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]O ₂ +ipropyl= $>$ HO ₂ +C ₃ H ₆ $>$ [C ₃ H ₆]HO ₂ +C ₃ H ₆ = $>$ OH+propoxide	
276	>[propoxide]	5.0505E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
277	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.2452E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H	
278	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	9.2546E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ -	
279	->[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	4.6259E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh	
280	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.9441E-05

$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+acetylperoxy=>acetyl+CH ₃ CO ₃ H	2.8228E-07
281 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	2.8228E-U7
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +CH ₃ OO=>allyl+CH ₃ OOH>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
282 >[CH ₃ O]	1.8215E-05
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]O ₂ +ipropyl= $>$ HO ₂ +C ₃ H ₆	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
283 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.2327E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+CH ₂ O=>ipropylooh+HCO	
284 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	7.4092E-06
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
285 >[allyloxy]	3.9238E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
286 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.8887E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO=>C ₂ H ₃ +CO>[C ₂ H ₃]C ₂ H ₃ +O ₂ =>O+vinoxy	
287 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.8473E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ -	
->[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	
288 >[propoxide]	1.5636E-07
4 1 3	

>[C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh	
289 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	8.7624E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H 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 ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
290 >[CH ₃ O]	2.4788E-05
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
$ C_3H_6 H+C_3H_6= C_3H_6 C_3H_6 C_3H_6= C_3H_6 C_3H_6 C_3H_6= C_$	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
291 >[CH ₃ O]	1.9247E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O->[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>prod_2$	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
292 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	5.0771E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
293 >[CH ₃ O]	1.2906E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
294 > [npropylooh] npropylooh => npropyloxy + OH> [npropyloxy]	3.4843E-05

[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
295 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.6633E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
296 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	7.1181E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]npropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ propen1ol+OH	
297 >[propen1ol]	3.8806E-06
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>HO_2+prod_2$	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+OH=>CH ₂ CHCO+H ₂ O	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
298 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.4286E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H	
>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH	
>[acetyloxy]acetyloxy+M=>CH ₃ +CO ₂ +M	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
299 >[CH ₃ O]	2.0679E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
300 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.5499E-07

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh	
301	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	4.6729E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy+O ₂ =>acrolein+HO ₂	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
202	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	1.0315E-06
302	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.0313E-00
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+CH ₂ O=>ipropylooh+HCO	
303	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.1483E-05
	[[ipropylesti] [ipropylesti]	111 1001 00
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy= $>$ C ₂ H ₅ +CH ₂ O $>$ [C ₂ H ₅]CH ₃ CH ₂ OO= $>$ C ₂ H ₄ +HO ₂	
304	>[C ₂ H ₄]C ₂ H ₄ +HO ₂ =>oxirane+OH>[oxirane]	1.6428E-06
	$[OH]C_3H_8+OH=>npropyl+H_2O$	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
205	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	F 1270F 0C
305	$>[C_2H_4]C_2H_4+HO_2=>oxirane+OH>[oxirane]$	5.1378E-06
	OH C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>QOOH 3	
306	>[QOOH_3]well_3=>well_5>[well_5]well_5=>OH+prod_3>[prod_3]	3.2346E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>QOOH_3	
	>[QOOH_3]well_3=>well_5>[well_5]well_5=>OH+prod_3	
307	>[prod_3]prod_3=>frag_3+OH>[frag_3]	3.2346E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[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	
308	>[prod_3]prod_3=>frag_3+OH>[frag_3]	2.9544E-07

[OH]C	₃ H ₈ +OH=>npropyl+H ₂ O> <mark>[npropyl]</mark> well_1=>HO ₂ +prod_2	
>[pro	d_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acro	lein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
>[CH ₂	CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
309 >[vinc	xy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.1598E-06
[OH]C	₃ H ₈ +OH=>ipropyl+H ₂ O>[<mark>ipropyl]</mark> ipropyloo=>QOOH_3	
>[QO	OH_3]well_3=>well_5>[well_5]well_5=>OH+prod_3	
>[pro	d_3]prod_3=>frag_3+OH>[frag_3]frag_3+OH=>prod_3	
>[pro	d_3]prod_3=>frag_3+OH>[frag_3]frag_3+OH=>prod_3	
310 >[pro	d_3]prod_3=>frag_3+OH>[frag_3]	1.3744E-08
[OH]C	₃ H ₈ +OH=>ipropyl+H ₂ O> <mark>[ipropyl]</mark> ipropyloo=>QOOH_3	
>[QO	DH_3]well_3=>well_5>[well_5]well_5=>well_3	
311 >[wel	_3]QOOH_3=>OH+propoxide>[propoxide]	4.6604E-07
[OH]C	₃ H ₈ +OH=>ipropyl+H ₂ O> <mark>[ipropyl]</mark> ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H	$_{5}$]C ₃ H ₆ +OH=>allyl+H ₂ O>[allyl]allyl+HO ₂ =>allyloxy+OH	
>[allyl	oxy]allyloxy=>acrolein+H	
>[acro	lein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
312 >[CH ₃	OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.8398E-07
[OH]C	₃ H ₈ +OH=>npropyl+H ₂ O>[<mark>npropyl]</mark> well_1=>OH+prod_1	
>[pro	<mark>1]</mark> prod_1=>frag_1+OH> <mark>[frag_1]</mark> frag_1=>vinoxy+CH ₂ O	
>[CH ₂	O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npr	ppylooh]npropylooh=>npropyloxy+OH	
>[npr	$pyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
>[C ₂ H	$_{4}$]C ₂ H ₄ +OH=>CH ₂ CH ₂ OH	
313 >[CH ₂	CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	3.2821E-07
[OH]C	₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipro	pyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipro	pylooh]ipropylooh=>ipropyloxy+OH	
>[ipro	pyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[ace	aldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[ace	$yl]acetyl(+M) = > CH_3 + CO(+M)$	
>[CH ₃	CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
314 >[CH ₃		2.6211E-05

$[OH]C_3H_8 + OH = > npropyl + H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
315 >[CH ₃ O]	2.7223E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
316 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.0591E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
317 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.4784E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +CH ₃ OO=>allyl+CH ₃ OOH>[allyl]allyl+HO ₂ =>allyloxy+OH	
318 >[allyloxy]	4.5966E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
319 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.1537E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>$ [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=>acrolein+H	
>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
320 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.3221E-07
	I .

[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
321 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.3154E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
322 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.2169E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O	
>[HCO]HCO+O ₂ =>formylperoxy	
>[formylperoxy]C ₃ H ₈ +formylperoxy=>npropyl+formylooh	
323 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	5.0392E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]CH ₂ O+HO ₂ =>HCO+H ₂ O ₂	
>[HCO]HCO+O ₂ =>formylperoxy	
>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
324 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.8839E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
$ S_{325} > C_3H_6 C_3H_6 + O = > allyl + OH > C_3H_6 C_3H_6 + O = > allyl + OH > C_3H_6 C_3H_6 + O = > allyl + OH > C_3H_6 C_3H_6 + O = > allyl + OH > C_3H_6 C_3H_6 + O = > allyl + OH > C_3H_6 C_3H_6 + O = > allyl + OH > C_3H_6 C_3H_6 + O = > allyl + OH > C_3H_6 C_3H_6 + O = > allyl + OH > C_3H_6 C_3H_6 + O = > allyl + OH > C_3H_6 C_3H_6 + O = > allyl + OH > C_3H_6 C_3H_6 + O = > allyl + OH > C_3H_6 C_3H_6 + OH - C_3H_6 C_$	8.556E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
$>$ [C ₃ H ₆]C ₃ H ₆ +O=>allyl+OH>[allyl]allyl+HO ₂ =>prod_2	
326 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.8023E-06

$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
327 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.7272E-05
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆	
$ (C_3H_6)HO_2+C_3H_6 = > OH+propoxide>[propoxide] $	2.2161E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
329 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.5311E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>QOOH_3	
330 >[QOOH_3]well_3=>OH+prod_4>[prod_4]	3.9815E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>QOOH_3	
>[QOOH_3]well_3=>OH+prod_4>[prod_4]prod_4=>frag_4+OH	
331 >[frag_4]	3.9815E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_3	
>[prod_3]prod_3=>frag_3+OH>[frag_3]frag_3+OH=>prod_3	1 12215 11
332 >[prod_3]prod_3=>frag_3+OH>[frag_3]	1.1231E-11
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
333 > [C3H6]C3H6+H=>allyl+H2>[allyl]allyl+HO2=>allyloxy+OH>[allyloxy]	5.6875E-06
$ OH C_3 \Pi_6 + \Pi - \lambda_0 y + \Pi_2 - \lambda_0 y $	3.0873L-00
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
334 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.6981E-07
23-1/ [ibi obitooti]ibi obitooti->ibi obitovi (011->[ibi obitovi]	T.020TF-07

[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +CH ₃ CH ₂ OO=>allyl+CH ₃ CH ₂ OOH	
335 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	3.0596E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
336 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.0427E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
337 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.3096E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
>[prod_2]prod_2=>allyloxy+OH>[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	
338 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.834E-06
$OH_{3}H_{8}+OH=>npropyl+H_{2}O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
$\begin{array}{ll} & > [npropyloorI] npropylooy = > C_2H_5 + CH_2O - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + HO_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + HO_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + HO_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + HO_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + HO_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + HO_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + HO_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + HO_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + HO_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + HO_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + HO_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + O_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + O_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + O_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + O_2 - > [C_2H_5] C_2H_5 + O_2 = C_2H_4 + O_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + O_2 - > [C_2H_5] C_2H_5 + O_2 = > C_2H_4 + O_2 - > [C_2H_5] C_2H_5 + O_2 = C_2H_4 + O_2 - > [C_2H_5] C_2H_5 + O_2 = C_2H_5 + O_2 - C_2H_5 + O_2 - > [C_2H_5] C_2H_5 + O_2 - C_2H_5 + O_2 - C_2H_5 + O_2 - > [C_2H_5] C_2H_5 + O_2 - C_2 + $	
$339 > [C_{2}H_{4}]C_{2}H_{4} + HO_{2} = > oxirane + OH> [oxirane]$	5.8442E-06
	3.01122 00
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O	-
->[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
340 <mark>>[npropylooh]</mark> npropylooh=>npropyloxy+OH>[npropyloxy]	1.8037E-07

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
341	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.3101E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>$ [C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl $>$ [npropyl]O ₂ +QOOH_1= $>$ OH+OH+frag_1	
342	>[frag_1]	1.8886E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]CH_3CH_2OO=>C_2H_4+HO_2$	
343	$>[C_2H_4]C_2H_4+HO_2=>oxirane+OH>[oxirane]$	1.8686E-06
0 10	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	1.00001 00
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
344	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.2148E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>allyloxy+OH$	
	>[allyloxy]allyloxy= $>$ C ₂ H ₃ +CH ₂ O $>$ [C ₂ H ₃]C ₂ H ₃ +O ₂ = $>$ O+vinoxy	
345	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.8021E-06
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]O_2+QOOH_1=>OH+prod_3$	
346	>[prod_3]	6.8507E-05
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]O_2+QOOH_1=>OH+prod_3$	
347	>[prod_3]prod_3=>frag_3+OH>[frag_3]	6.8507E-05
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]O ₂ +QOOH_1=>OH+prod_3	
	>[prod 3]prod 3=>frag 3+OH>[frag 3]frag 3+OH=>prod 3	
348	>[prod_3]prod_3=>frag_3+OH>[frag_3]	6.2452E-06
<u>i</u>		l

$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
349 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.7728E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>[C_3H_6]H+C_3H_6=>[propyl]O_2+[propyl]=>HO_2+C_3H_6$	
$>[C_3H_6]HO_2+C_3H_6=>QOOH_2->[QOOH_2]QOOH_2=>OH+propoxide$	
350 >[propoxide]	1.1976E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
351 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.0469E-06
$[OH]C_3H_8 + OH = > ipropyl+H_2O$	2.04031 00
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH	
>[acetyloxy]acetyloxy+M=>CH ₃ +CO ₂ +M	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	1 41025 00
352 >[CH ₃ O]	1.4103E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]O ₂ +QOOH_1=>OH+OH+frag_	
->[frag_1]frag_1=>vinoxy+CH ₂ O>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HC	
353 ->[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.6387E-05
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
354 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.9308E-07

	$[OH]C_3H_8+OH=>ipropyl+H_2O$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ -	
355	->[C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	1.9388E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
356	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide>[propoxide]	3.4323E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy= $>$ C ₂ H ₅ +CH ₂ O $>$ [C ₂ H ₅]C ₂ H ₅ +O ₂ = $>$ oxirane+OH	
357	>[oxirane]	2.725E-05
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]O_2+QOOH_1=>OH+prod_3$	
	>[prod_3]prod_3=>frag_3+OH>[frag_3]frag_3+OH=>prod_3	
250	>[prod_3]prod_3=>frag_3+OH>[frag_3]frag_3+OH=>prod_3 >[prod_3]prod_3=>frag_3+OH>[frag_3]	2.8856E-07
336	\[\sqrt{\pi \d_3 - \pi \alpha_3 + \pi \land \sqrt{\pi \alpha_3} \]	2.00JUL-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
359	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.8034E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>ipropyloo>[ipropyloo]ipropyloo=>HO ₂ +C ₃ H ₆	
360	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	1.494E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]QOOH_1=>QOOH_2	
361	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	1.5765E-06

	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
2.62	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	2 22265 00
362	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	2.2226E-08
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
363	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	6.3808E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>$ [C ₃ H ₆]C ₃ H ₆ +OH= $>$ allyl+H ₂ O- $>$ [allyl]allyl+HO ₂ = $>$ prod_2	
0.04	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>C ₂ H ₃ +CH ₂ O	0.50005.00
364	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	3.5306E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl $>$ [npropyl]npropyloo= $>$ HO ₂ +C ₃ H ₆	
365	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide>[propoxide]	1.3118E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl	
	>[npropyl]npropyloo+CH ₂ O=>npropylooh+HCO	
366	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	7.9839E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+ipropyl$	
367	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.1262E-05

$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O	O-
->[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
368 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.3901E-05
$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O	O-
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
369 >[CH ₃ O]	3.0947E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+OH=>vinoxy+H ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.9127E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O>[allyl]allyl+HO ₂ =>allyloxy+OH	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH2CHCO]CH2CHCO=>C2H3+CO>[C2H3]C2H3+O2=>O+vinoxy	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	8.207E-07

[0	$OH_{C_3}H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[i	ipropylooh]ipropylooh=>ipropyloxy+OH	
>[i	ipropyloxy]ipropyloxy=>CH3+acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[i	acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH	
>[a	acetyloxy]acetyloxy+M=>CH ₃ +CO ₂ +M	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
372 >[[CH ₃ O]	1.2583E-07
[0	OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[i	ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[i	ipropylooh]ipropylooh=>ipropyloxy+OH	
>[]<	ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[i	acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[a	acetyl]acetyl(+M)=>CH3+CO(+M)	
>[CH ₃]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
373 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	7.0095E-06
[O	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>['	vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[i	ipropylooh]ipropylooh=>ipropyloxy+OH	
>[]<	ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
374 >[CH ₃ O]	2.4612E-05
[O	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
375 >[$[C_3H_6]C_3H_6+H=>allyl+H_2>[allyl]allyl+HO_2=>allyloxy+OH>[allyloxy]$	8.8183E-06
[O	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
376 >[ipropyl]O ₂ +ipropyl=>OH+propoxide>[propoxide]	1.9305E-05
[0	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
>[0	C ₃ H ₆]C ₃ H ₆ +CH ₃ CH ₂ OO=>allyl+CH ₃ CH ₂ OOH	
377 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.7403E-06

[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>QOOH_3	
>[QOOH_3]well_3=>HO ₂ +prod_7>[prod_7]prod_7=>propen2oxy+OH	
378 >[propen2oxy]	4.1805E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl	
>[ipropyl]ipropyloo+npropyloo=>ipropyloxy+npropyloxy+O ₂	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
379 >[CH ₃ O]	1.5601E-07
$[OH]C_3H_8 + OH = > npropyl + H_2O - > [npropyl]npropyloo = > HO_2 + C_3H_6$	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
>[prod_2]prod_2=>allyloxy+OH>[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	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.3897E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
381 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.111E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[HCO]HCO+O ₂ =>CO+HO ₂	
382 >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	8.5448E-08
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
383 <mark>>[npropyl]</mark> npropyloo=>OH+propoxide>[propoxide]	3.2889E-06

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
384	>[CH ₃ O]	9.059E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
	>[ipropyl]O ₂ +ipropyl= $>$ HO ₂ +C ₃ H ₆ $>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ propen1ol+OH	
385	>[propen1ol]	2.9918E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
386	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.5062E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$ C_3H_6 H+C_3H_6=$ ipropyl>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
207	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	6.9639E-08
307	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	0.3033E-08

	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
388	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	1.0404E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₂ O+HO ₂ =>OCH ₂ OOH>[OCH ₂ OOH]OCH ₂ OOH=>CH ₂ O+HO ₂	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
389	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.0491E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	>[C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O>[allyl]allyl+HO ₂ =>allyloxy+OH	
	>[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	
390	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.2579E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
391	>[CH ₃ O]	2.2132E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>QOOH_2	
392	>[QOOH_2]well_2=>OH+prod_5>[prod_5]	1.3315E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>QOOH_2	
	>[QOOH_2]well_2=>OH+prod_5>[prod_5]prod_5=>frag_5+OH	
393	>[frag_5]	1.3315E-06

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ -	
394	->[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide>[propoxide]	2.6195E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
395	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.1723E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>O ₂ +ipropyl	
	>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
396	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	7.4707E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
397	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.6429E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
200	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O	6.7917E-07
390	>[HCO]HCO+HO ₂ =>CO ₂ +OH+H>[CO ₂]	0.79176-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	->[CH ₃]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
399	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.7957E-06

[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+ace	etyl
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>	CH ₃ O+OH
400 >[CH ₃ O]	8.3364E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>prop	en1ol+OH
401 >[propen1ol]	6.5006E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+($	
$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2>[allyl]allyl+HO_2=>prod_2-$	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=	=>acrolein+H
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	0.00025.07
402 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	8.6903E-07
	od 1
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	2
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethox	v=>CH ₂ +CH ₂ O-
->[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	732-
403 > [CH3CH2OOH]CH3CH2OOH=>ethoxy+OH>[ethoxy]	5.1739E-08
$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl	+H ₂ O ₂
404 >[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+Ol	H>[allyloxy] 7.2987E-06

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]H+C_3H_6=>npropyl>[npropyl]O_2+QOOH_1=>OH+OH+frag_1$	
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
405	>[CO]	1.887E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)	
	>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
406	>[CH ₃ O]	7.7736E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
	>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
407	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	4.275E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide	
408	>[propoxide]	2.1971E-06
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]O_2+QOOH_1=>OH+OH+frag_1-$	
	->[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
409	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.2475E-06
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]O_2+QOOH_1=>OH+OH+frag_1-$	
	$[On]C_3 n_8 + On = 2 \text{lipropy} + n_2 O - 2 \text{lipropy} + QOON_1 = 2 On + On + 1 \text{ ag_1} - 2 \text{lipropy} + QOON_1 = 2 lipro$	
410	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.263E-06
110	Plangengoonjongongoon-Pennoxy+on-Plennoxy	1.2031 00

	$[OH]C_3H_8+OH=>ipropyl+H_2O$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ -	
	$->[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>prod_2$	
411	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.5864E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh	
412	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	2.1093E-06
	$[OH]C_3H_8+OH=>npropyl+H_2O$	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
413	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.7186E-05
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O>[allyl]allyl+HO ₂ =>allyloxy+OH	
	>[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	
414	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.9464E-06
	$[OH]C_3H_8 + OH = > npropyl + H_2O - > [npropyl]npropyloo = > HO_2 + C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl	
	>[npropyl]npropyloo+CH ₂ O=>npropylooh+HCO	
415	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.2369E-05
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy= $>$ C ₂ H ₅ +CH ₂ O $>$ [C ₂ H ₅]C ₂ H ₅ +O ₂ = $>$ oxirane+OH	
416	>[oxirane]	3.0996E-05

$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>HO_2+prod_2$	
>[prod 2]prod 2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH ₃ O=>CH ₂ CHCO+CH ₃ OH	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
417 [CO]	6.9304E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
418 >[npropyl]well_1=>OH+prod_1>[prod_1]	2.1336E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
419 >[frag_1]	2.1336E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]well 1=>OH+prod 1>[prod 1]prod 1=>frag 1+OH	
>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
420 >[CO]	2.1322E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
421 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	5.3717E-07

[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>H	O ₂ +C ₃ H ₆
>[C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]e	thoxy=>CH ₃ +CH ₂ O-
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OO	OH=>CH ₃ O+OH
422 >[CH ₃ O]	5.6278E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH	+prod_1
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vin	oxy+CH ₂ O
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
423 >[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH-	->[CO ₂] 6.8389E-08
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH	+prod_1
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vin	oxy+CH ₂ O
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]CH ₂ O+H	10 ₂ =>HCO+H ₂ O ₂
>[HCO]HCO+O ₂ =>formylperoxy	
>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylo	ooh
424 >[formylooh]formylooh=>formyloxy+OH>[formyloxy	y] 1.127E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
425 >[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1>[frag_1]	1.6486E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1	
>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =	>CH ₂ O+CO+OH
426 >[CO]	1.6475E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>	HO ₂ +C ₃ H ₆
>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo=>HO ₂ +0	C ₃ H ₆
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>pro	d_2
427 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.1449E-07
	<u> </u>

	,
[OH]CH (OH=xinronyl)H O x[inronyl]inronyloo=xHO (CH	
[OH] $C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
428 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	8.9551E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH-	
429 >[CH ₃ O]	1.6303E-05
$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	5 00405 06
430 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.0219E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
431 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.4178E-07
OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
432 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.7463E-06
[2.1322.1]2.132.2.1 / 31132.211 / [21132]	

[OH]C	$H_8+OH=>ipropyl+H_2O$	
	pyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	pylooh]ipropylooh=>ipropyloxy+OH	
	pyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	aldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	/l]acetaldehyde+acetylperoxy=>acetyl+CH ₃ CO ₃ H	
1	CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	2.1766E-07
[OH]C ₃	H ₈ +OH=>npropyl+H ₂ O> <mark>[npropyl]</mark> well_1=>OH+prod_1	
>[prod	_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vino	<mark>(y]</mark> vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ C	O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>[CH ₃ C	H ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
->[CH ₃	CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
434 >[CH ₃ C	OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.9643E-06
[OH]C ₃	$H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆	H+C ₃ H ₆ =>ipropyl	
>[iprop	oyl]ipropyloo+CH ₃ CH ₂ OO=>ipropyloxy+ethoxy+O ₂	
>[etho	xy]ethoxy=>CH ₃ +CH ₂ O>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
435 >[CH ₃ C	OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.866E-08
[OH]C ₃	H ₈ +OH=>npropyl+H ₂ O> <mark>[npropyl]</mark> well_1=>OH+prod_1	
>[prod	_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ C	O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
>[CH ₃ C	OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
>[CH ₂ C	OCH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
436 >[CH ₃ C	CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	8.4516E-08
[OLUC		
	$H_8+OH=>npropyl+H_2O>[npropyl]O_2+QOOH_1=>OH+OH+frag_1-$	
	_1]frag_1=>vinoxy+CH ₂ O	
)]npropyloo+CH ₂ O=>npropylooh+HCO	1 20575 05
43/ >[npro	pylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.3857E-05

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
438	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	8.0358E-08
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl	
	>[ipropyl]ipropyloo+CH ₃ CH ₂ OO=>ipropyloxy+ethoxy+O ₂	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
439) >[CH ₃ O]	3.9979E-08
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]CH ₃ O+CO=>CH ₃ +CO ₂	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
440	>[CH ₃ O]	8.5743E-07
	$[OH]C_3H_8+OH=>npropyl+H_2O$	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
441	>[CH ₃ O]	3.9557E-05
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
442	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.2127E-07

$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ propen1ol+OH	
443 >[propen1ol]	7.3942E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
444 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.8462E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>ipropyloo	
>[ipropyloo]ipropyloo+CH ₂ O=>ipropylooh+HCO	
445 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.8046E-06
$[OH]C_3H_8 + OH = > ipropyl + H_2O> [ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6$	
$>$ [C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh>[allyl]allyl+HO ₂ =>prod_2	
446 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	5.5985E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
447 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	8.1412E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>ipropyloo	
>[ipropyloo]ipropyloo+HO ₂ =>ipropylooh+O ₂	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
448 >[CH ₃ O]	4.7097E-07

$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>QOOH_3	
449 >[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	4.0491E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
$>$ [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=>acrolein+H	
>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
450 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.9927E-07
$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
451 >[CH ₃ O]	4.1367E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[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	
452 >[prod_3]prod_3=>frag_3+OH>[frag_3]	4.2118E-10
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
453 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.3061E-07
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
454 > [prod_2]prod_2=>allyloxy+OH>[allyloxy]	4.8586E-07

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₂ O+HO ₂ =>OCH ₂ OOH>[OCH ₂ OOH]OCH ₂ OOH=>CH ₂ O+HO ₂	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
455	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.5343E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
456	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.7103E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo+npropyloo=>O ₂ +npropyloxy+npropyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
457	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	3.4578E-08
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
450	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	0 45475 07
458	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	8.1517E-07
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	4.00515
459	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.8801E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
4.05	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO>[HCO]HCO+O ₂ =>CO+HO ₂	2.405.45.55
460	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	3.1054E-08

$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
>[allyloxy]allyloxy= $>$ C ₂ H ₃ +CH ₂ O $>$ [C ₂ H ₃]C ₂ H ₃ +O ₂ = $>$ O+vinoxy	
461 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	5.0644E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl $>$ [npropyl]npropyloo= $>$ HO ₂ +C ₃ H ₆	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
462 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.8684E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	_
$->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2>[allyl]allyl+HO_2=>allyloxy+OH$	
463 >[allyloxy]	2.0432E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O>[C ₂ H ₅]CH ₃ CH ₂ OO=>C ₂ H ₄ +HO ₂ -	-
>[C ₂ H ₄]C ₂ H ₄ +OH=>CH ₂ CH ₂ OH	
$ (CH_2CH_2OH)O_2C_2H_4OH = > OH + CH_2O + CH_2O - > (CH_2O) $	1.0213E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl	
>[ipropyl]ipropyloo+CH ₃ OO=>ipropyloxy+CH ₃ O+O ₂	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
465 >[CH ₃ O]	1.5342E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]C ₃ H ₈ +acetylperoxy=>ipropyl+CH ₃ CO ₃ H	
466 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	2.0314E-07

$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
$>[frag_1]frag_1=>vinoxy+CH_2O>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH$	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
467 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.5411E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl	
>[ipropyl]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
468 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.1999E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl	
469 >[npropyl]well_1=>OH+prod_1>[prod_1]	6.7626E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ $>$ [C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
470 >[frag_1]	6.7326E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
471 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	7.125E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
472 >[ipropyl]ipropyloo=>OH+propoxide>[propoxide]	4.5043E-07

>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
473 >[CH ₃ O]	3.89E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>$ [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=>acrolein+H	
>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
474 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.9298E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O>[allyl]allyl+HO ₂ =>allyloxy+OH	
>[allyloxy]vinoxylmethyl=>acrolein+H	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
$ 475 > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH > [CO]$	3.8567E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
476 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.3739E-06
$[OH]C_3H_8 + OH = > ipropyl + H_2O - > [ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
477 >[CH ₃ O]	1.188E-06

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2>[QOOH_2]well_2=>well_3	
478	>[well_3]QOOH_3=>OH+propoxide>[propoxide]	2.1709E-07
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
	$>$ [C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh>[allyl]allyl+HO ₂ =>prod_2	
479	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	8.6777E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH	
	>[propen1ol]propen1ol+ HO_2 => $CH_2O+C_2H_3+H_2O_2$	
480	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	1.5668E-06
	$[OH]C_3H_8 + OH = \text{ipropyl} + H_2O - \text{[ipropyl]} ipropyloo = \text{>} HO_2 + C_3H_6 - \text{ }$	
	$>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
	>[ipropyloo]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
481	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	7.751E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	$>[C_3H_6]H+C_3H_6=>ipropyl>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
482	$>[C_3H_6]C_3H_6+HO_2=>propen1ol+OH>[propen1ol]$	2.2638E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
483	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.6674E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	$>[C_3H_6]C_3H_6+HO_2=>propen1ol+OH$	
404	>[propen1ol]propen1ol+OH=>CH ₂ O+C ₂ H ₃ +H ₂ O	0.27565.07
484	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	9.2756E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₂ O+HO ₂ =>HCO+H ₂ O ₂ >[HCO]HCO+O ₂ =>formylperoxy	
100	>[formylperoxy]C ₃ H ₈ +formylperoxy=>npropyl+formylooh	5 66615 07
485	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	5.6664E-07

	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo=>QOOH_2	
486	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	1.0032E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +CH ₃ CH ₂ OO=>allyl+CH ₃ CH ₂ OOH	
487	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	1.1952E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>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=>acrolein+H	
	>[acrolein]acrolein+CH3OO=>CH2CHCO+CH3OOH	
488	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.0811E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
489	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.6604E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
490	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.2556E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
491	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.8329E-06

>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
492 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.443E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
>[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	-
493 ->[propoxide]	6.9805E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
494 >[CO]	6.7283E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
>[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
495 >[allyloxy]	1.1985E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ +HO ₂ =>CH ₃ O+OH	
496 >[CH ₃ O]	3.0512E-06

[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
	1952E-09
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>C ₂ H ₃ +CH ₂ O	
$498 > [C_2H_3]C_2H_3 + O_2 = > O + vinoxy - > [vinoxy]vinoxy + O_2 = > CH_2O + CO + OH> [CO] $ 2.	6751E-05
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
499 >[CH ₃ O] 4.	7092E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
$>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>prod_2$	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO=>C ₂ H ₃ +CO>[C ₂ H ₃]C ₂ H ₃ +O ₂ =>O+vinoxy	
	9.773E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>QOOH_3$	
>[QOOH 3]well 3=>well 2>[well 2]QOOH 2=>OH+propoxide	
	5.004E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl->[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2->[allyl]allyl+HO_2=>allyloxy+OH$	
	5602E-07

	$[OH]C_3H_8+OH=>npropyl+H_2O$	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
503	>[CH ₃ O]	4.4995E-05
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>C ₂ H ₃ +CH ₂ O	
504	>[C ₂ H ₃]C ₂ H ₃ +O ₂ =>O+vinoxy>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.7238E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	$>$ [C ₃ H ₆]C ₃ H ₆ +CH ₃ OO=>allyl+CH ₃ OOH>[allyl]allyl+HO ₂ =>prod_2	
505	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	5.5084E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl	
	>[ipropyl]ipropyloo+ipropyloo=>O ₂ +ipropyloxy+ipropyloxy	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
506	>[CH ₃ O]	8.0131E-08
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well 1=>OH+prod 1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
507	$ > [CH_2O]CH_2O + HO_2 = > HCO + H_2O_2 - > [HCO]HCO + HO_2 = > CO_2 + OH + H > [CO_2] $	7.6074E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	7100712 07
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H	
	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH	
	>[acetyloxy]acetyloxy+M=>CH ₃ +CO ₂ +M	
F00	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	2 07245 00
508	>[CH ₃ O]	2.0724E-06

$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2	
509 >[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	2.6493E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO=>CH ₂ CH ₂ OOH	
510 >[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	1.0004E-05
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>ipropyloo	
>[ipropyloo]ipropyloo+HO ₂ =>ipropylooh+O ₂	
511 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	7.4616E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH	
>[propen1ol]propen1ol+HO ₂ =>CH ₂ O+C ₂ H ₃ +H ₂ O ₂	
$512 > [C_2H_3]C_2H_3+O_2 = > O + vinoxy> [vinoxy]vinoxy+O_2 = > CH_2O+CO+OH> [CO]$	2.4169E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo=>QOOH_2	
513 >[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	1.555E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +OH=>propen2yl+H ₂ O	
>[propen2yl]propen2yl+O ₂ =>acetyl+CH ₂ O	
>[acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH	
>[acetyloxy]acetyloxy+M=>CH ₃ +CO ₂ +M	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
514 >[CH ₃ O]	1.1318E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
515 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.4771E-06

	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	$>[C_3H_6]C_3H_6+HO_2=>propen1ol+OH$	
516	$>[propen1ol]propen1ol+H=>C_3H_6+OH>[C_3H_6]$	2.3942E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
517	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.0609E-05
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]H+C_3H_6=>ipropyl>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
518	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	3.5079E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]well_1=>HO ₂ +prod_2	
519	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.576E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+HO_2=>propen1ol+OH$	
	>[propen1ol]propen1ol+OH=>CH2O+C2H3+H2O	
520	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	1.4336E-06
0_0	$[OH]C_3H_8+OH=>ipropyl+H_2O$	21.10002
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
	>[acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
521	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	1.2046E-08
	[OH]CH +OH->ipropyl+H O >[ipropyl]ipropyles->HO +CH	
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]C ₃ H ₆ +H=>allyl+H ₂ >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
522	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	9.2495E-07
322	>[CH ₃ O]	J.Z4JJL-U/

>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]well_1=>HO ₂ +prod_2	
523 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.6624E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>ipropyloo>[ipropyloo]ipropyloo=>HO ₂ +C ₃ H ₆	
$ S_24 > [C_3H_6]HO_2 + C_3H_6 = > OH + propoxide> [propoxide]$	8.4981E-08
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
$>$ [C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]O ₂ +ipropyl= $>$ QOOH_3	
525 >[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	3.7151E-07
$[OH]C_3H_8 + OH = > npropyl + H_2O> [npropyl]npropyloo = > HO_2 + C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
526 >[CH ₃ O]	1.8369E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
$>$ [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	
$ S_{27} > C_2H_3 C_2H_3 + O_2 = > O + vinoxy - > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH > [CO]$	5.7459E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy= $>$ C ₂ H ₅ +CH ₂ O $>$ [C ₂ H ₅]C ₂ H ₅ +O ₂ = $>$ C ₂ H ₄ +HO ₂	
$>[C_2H_4]C_2H_4+OH=>CH_2CH_2OH$	
528 >[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	3.2837E-07
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
$>$ [C ₃ H ₆]C ₃ H ₆ +CH ₃ OO= $>$ allyl+CH ₃ OOH- $->$ [allyl]allyl+HO ₂ = $>$ prod_2- $-$	
529 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	8.5352E-06

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[OH]C_3H_8+OH=>npropyl+H_2O-->[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>2</sub>O]npropyloo+CH<sub>2</sub>O=>npropylooh+HCO--
530 > [npropylooh] npropylooh => npropyloxy + OH--> [npropyloxy]
                                                                                                              1.7962E-07
      [OH]C_3H_8+OH=>ipropyl+H_2O-->[ipropyl]ipropyloo=>HO_2+C_3H_6--
      >[C_3H_6]H+C_3H_6=>npropyl-->[npropyl]O_2+QOOH_1=>HO_2+prod_2--
                                                                                                              8.3616E-07
531|>[prod 2]prod 2=>allyloxy+OH-->[allyloxy]
      [OH]C_3H_8+OH=>ipropyl+H_2O-->[ipropyl]ipropyloo=>HO_2+C_3H_6--
      >[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--
                                                                                                              1.2674F-06
532 > [CH<sub>3</sub>O]
      [OH]C_3H_8+OH=>npropyl+H_2O-->[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+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+npropyl--
533 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
                                                                                                              2.9165F-06
      [OH]C_3H_8+OH=>npropyl+H_2O--
      >[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+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+ipropyl--
      >[ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+ipropyl--
534|>[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]
                                                                                                              2.0848E-06
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	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₂ O+HO ₂ =>OCH ₂ OOH>[OCH ₂ OOH]OCH ₂ OOH=>CH ₂ O+HO ₂	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
535	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.3148E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO=>CH ₂ CH ₂ OOH	
536	>[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	1.1379E-05
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
	>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide	
537	>[propoxide]	1.6941E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+H=>CH ₂ CHCO+H ₂	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
538	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	7.523E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ -	
	$->$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
539	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.7855E-07
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]O_2+npropyl=>HO_2+C_3H_6$	
540	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]well_1=>OH+prod_1>[prod_1]	4.3517E-06

$[OH]C_3H_8 + OH = > npropyl + H_2O> [npropyl]O_2 + npropyl = > HO_2 + C_3H_6$	
$>$ [C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]well_1=>OH+prod_1	
541 >[prod_1]prod_1=>frag_1+OH>[frag_1]	4.3332E-06
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl	
>[ipropyl]ipropyloo+ipropyloo=>O ₂ +ipropyloxy+ipropyloxy	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	-
542 >[CH ₃ O]	1.2398E-07
OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
$ \cdot _{[ipropyl]} = \cdot $	
543 sallyl allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allylox	[v] 2.3183E-07
$ [OH]C_3H_8 + OH = \text{propyl} + H_2O> [npropyl] \text{well} _1 = \text{polylement} $	7.2
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]npropyloo+CH ₃ CH ₂ OO=>npropyloxy+ethoxy+O ₂	
>[ethoxy]ethoxy=>CH ₃ +CH ₂ O>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
544 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.5181E-07
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide-	
545 >[propoxide]	1.1657E-07
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]O_2+QOOH_1=>OH+prod_3-$	
>[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>[frag_3]frag_3+OH=>prod_3	
546 >[prod_3]prod_3=>frag_3+OH>[frag_3]	8.8368E-09

		1
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
	$>$ [C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O>[allyl]allyl+HO ₂ =>prod_2	
E 47	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>C ₂ H ₃ +CH ₂ O	8.9084E-06
347	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$ $[OH]C_3H_8+OH=>npropyI+H_2O$	6.9064E-00
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ = $>$ OH+propoxide	
5/18	>[propoxide]	3.6808E-07
340	> [propoxide]	3.00001 07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O>[CH ₂ O]CH ₂ O+HO ₂ =>OCH ₂ OOH>[OCH ₂ OOH]OCH ₂ OOH=>HOCH ₂ OO>[HOCH ₂ OOH+O ₂ ->HOCH ₂ OOH+O ₃ ->HOCH ₂ OOH+O ₄ ->HOCH ₄ ->HOCH ₄ ->HOCH ₄ OOH+O ₄ ->HOCH ₄ ->HOCH ₄ ->HOCH ₄ ->HOCH ₄ ->HOCH ₄ ->HOCH ₄	
E 40	>[HOCH ₂ OO]HOCH ₂ OO+HO ₂ =>HOCH ₂ OOH+O ₂	1.6722E-07
549	>[HOCH ₂ OOH]HOCH ₂ OOH=>HOCH ₂ O+OH>[HOCH ₂ O]	1.0/22E-0/
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>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]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
550	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.1322E-07
	>[C ₃ H ₆]C ₃ H ₆ +H=>C ₂ H ₄ +CH ₃ >[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
551	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.6123E-06
	$[OH]C_3H_8 + OH = > npropyl + H_2O - > [npropyl]npropyloo = > HO_2 + C_3H_6$	
	$>[C_3H_6]C_3H_6+H=>C_2H_4+CH_3>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2$	
552	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.6024E-06
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
	$>$ [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=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
	>[CH ₂ CHCO]CH ₂ CHCO= $>$ C ₂ H ₃ +CO- $>$ [C ₂ H ₃]C ₂ H ₃ +O ₂ = $>$ O+vinoxy-	1 51005 00
553	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.5102E-06

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
	>[ipropyloo]ipropyloo+HO ₂ =>ipropylooh+O ₂	
554	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.1565E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
555	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.9359E-07
	$ \label{eq:composition} \begin{tabular}{l} $[OH]$C_3H_8+OH=>npropyl$+$H_2$O>[npropyl]$O_2$+QOOH_1=>OH+OH+frag_1$	
	->[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
556	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.6372E-05
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]vinoxy+CH ₂ O=>frag_1>[frag_1]frag_1=>vinoxy+CH ₂ O	
557	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	5.2412E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
558	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.2663E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
559	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	3.6506E-06

$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>[HCO]HCO+O ₂ =>formylperoxy	
>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
560 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	9.4633E-08
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>[HCO]HCO+O ₂ =>formylperoxy	
>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
561 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	3.6962E-08
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
>[acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
562 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	5.4459E-09
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
563 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.1999E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+allyl=>ipropyloxy+allyloxy-	
->[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
564 >[CH ₃ O]	1.7961E-06

	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl >[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
56	5 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.1314E-05
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	
56	6 >[propoxide]	6.9363E-08
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
56	7 >[CH ₃ O]	1.1477E-06
	[OU]C OU =>ppropyly O >[ppropyl]woll 1=>OU prod 1	
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₂ O+HO ₂ =>OCH ₂ OOH>[OCH ₂ OOH]OCH ₂ OOH=>CH ₂ O+HO ₂	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
F.C.		2 02775 07
56	8 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.0277E-07
56	S S S S S S S S S S	2.0277E-07
	8 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy] [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]O ₂ +ipropyl=>OH+propoxide	
	S S S S S S S S S S	2.0277E-07 9.926E-07
	8 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy] [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]O ₂ +ipropyl=>OH+propoxide 9 >[propoxide]	
	8 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy] [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]O ₂ +ipropyl=>OH+propoxide 9 >[propoxide] [OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
	<pre>8 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy] [OH]C₃H₈+OH=>ipropyl+H₂O>[ipropyl]O₂+ipropyl=>HO₂+C₃H₆ >[C₃H₆]H+C₃H₆=>ipropyl>[ipropyl]O₂+ipropyl=>OH+propoxide 9 >[propoxide] [OH]C₃H₈+OH=>npropyl+H₂O>[npropyl]well_1=>HO₂+prod_2 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>acrolein+H</pre>	
	8 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy] [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]O ₂ +ipropyl=>OH+propoxide 9 >[propoxide] [OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	

571	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]O ₂ +QOOH_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.5325E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]H+C_3H_6=>npropyl>[npropyl]npropyloo+HO_2=>npropylooh+O_2$	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
572	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	8.3753E-08
372	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	0.37332 00
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
573	>[CH ₃ O]	0.00083725
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH >[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+ipropyl$	
	>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
574	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	5.0405E-07
	$[OH]C_3H_8 + OH = \text{ipropyl} + H_2O - \text{[ipropyl]} \text{ipropyloo} = \text{>} HO_2 + C_3H_6 - \text{ }$	
	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
r-7-	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	2 (0005 07
5/5	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.6098E-07

$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
576 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	5.6578E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl	
>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
577 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.2234E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
578 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	7.4505E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]ipropyloo+CH ₃ CH ₂ OO=>ipropyloxy+ethoxy+O ₂	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
579 >[CH₃O]	1.1774E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]ipropyloo+CH ₃ CH ₂ OO=>ipropyloxy+ethoxy+O ₂	
>[ethoxy]ethoxy=>CH ₃ +CH ₂ O>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
580 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.1374E-07

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
581	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	2.2289E-08
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
582	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	5.4562E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +OH=>propen2yl+H ₂ O	
	>[propen2yl]propen2yl+O ₂ =>acetyl+CH ₂ O	
	>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH	
	>[acetyloxy]acetyloxy+M=>CH ₃ +CO ₂ +M	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
583	>[CH ₃ O]	1.2655E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH= $>$ ethoxy+OH $>$ [ethoxy]ethoxy= $>$ CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
584	>[CH ₃ O]	9.0534E-06
	$ [OH]C_3H_8 + OH = > npropyl + H_2O> [npropyl] npropyloo = > HO_2 + C_3H_6$	
	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH	
585	$>[propen1ol]propen1ol+H=>C_3H_6+OH>[C_3H_6]$	3.7018E-07

	[OH]CH (OH-) ppropulate O > [ppropulated] 1->110 +prod 2	1
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
586	>[CH ₃ O]	1.0846E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
587	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.9659E-06
	$[OH]C_3H_8 + OH = > ipropyl + H_2O - > [ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo=>OH+propoxide	
588	>[propoxide]	6.5896E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	>[C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh>[allyl]allyl+HO ₂ =>prod_2	
589	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.5274E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo=>QOOH_3	
590	>[QOOH 3]QOOH 3=>OH+propoxide>[propoxide]	5.8707E-07
	$[OH]C_3H_8+OH=>npropyl+H_2O$	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
	>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>OH+propoxide	
591	>[propoxide]	4.187E-07
331	z [propoxide]	1.1072 07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
F.0.5	$>[npropyl]$ npropyloo= $>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	2 47205 25
592	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.1739E-06

$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]C ₃ H ₈ +acetylperoxy=>npropyl+CH ₃ CO ₃ H	
593 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	1.8088E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
594 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	1.0405E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[HCO]HCO+O ₂ =>formylperoxy	/
>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
595 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	3.6342E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
596 >[npropyl]O ₂ +npropyl=>OH+propoxide>[propoxide]	1.345E-05
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>ipropyloo>[ipropyloo]ipropyloo=>HO ₂ +C ₃ H ₆	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
597 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.2105E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO=>C ₂ H ₃ +CO>[C ₂ H ₃]C ₂ H ₃ +O ₂ =>O+vinoxy	
598 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	8.8007E-07

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[OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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--
599 > [CH<sub>2</sub>O]
                                                                                                                  1.5679E-07
      [OH]C_3H_8+OH=>npropyl+H_2O--
      >[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+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>CH<sub>2</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>+OH=>allyl+H<sub>2</sub>O--
600 >[allyl]allyl+HO<sub>2</sub>=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]
                                                                                                                  5.7326E-07
      [OH]C<sub>3</sub>H<sub>8</sub>+OH=>npropyl+H<sub>2</sub>O-->[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_2=>CH_2O+CO+OH--
      >[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--
      >[CH<sub>2</sub>O]npropyloo+CH<sub>2</sub>O=>npropylooh+HCO--
601 > [npropylooh] npropylooh => npropyloxy + OH--> [npropyloxy]
                                                                                                                  6.3667E-07
      [OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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--
                                                                                                                  1.8426E-07
602 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
      [OH]C_3H_8+OH=>npropyl+H_2O-->[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-->[HCO]HCO+O<sub>2</sub>=>formylperoxy--
      >[formylperoxy]C<sub>3</sub>H<sub>8</sub>+formylperoxy=>ipropyl+formylooh--
603 > [formylooh] formylooh = > formyloxy + OH --> [formyloxy]
                                                                                                                  1.4198E-07
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[[$OH_{3}C_{3}H_{8}+OH=>ipropyl+H_{2}O>[ipropyl]ipropyloo=>HO_{2}+C_{3}H_{6}$	
	$[C_3H_6]H+C_3H_6=>npropyl>[npropyl]npropyloo+HO_2=>npropylooh+O_2$	
	[npropylooh]npropylooh=>npropyloxy+OH	
	[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	$[C_2H_5]$ CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	6.5366E-07
[[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>	[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	[ipropylooh]ipropylooh=>ipropyloxy+OH	
	[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>	$[CH_3]CH_3OO+C_3H_8=>CH_3OOH+npropyl$	
605 >	[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.4334E-06
[[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>	$[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
>	[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>	[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>	$[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+ipropyl$	
>	[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
->	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
606 >	[CH ₃ O]	2.4213E-06
)]	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]O ₂ +npropyl=>HO ₂ +C ₃ H ₆	
>	[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]well_1=>OH+prod_1	
>	<pre>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH₂O</pre>	
607 >	[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.3327E-06
)]	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>	[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>	[vinoxy]vinoxy+ O_2 =>CH $_2$ O+CO+OH>[CH $_2$ O]CH $_2$ O+HO $_2$ =>OCH $_2$ OOH	
>	OCH ₂ OOH]OCH ₂ OOH=>CH ₂ O+HO ₂	
>	[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
608 >	[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.077E-07
[[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
>	[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>	[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	
609 >	[propoxide]	1.807E-07

[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>QOOH_2	
$>[QOOH_2]QOOH_2 => HO_2 + C_3H_6> [C_3H_6]C_3H_6 + HO_2 => propen1ol + OH$	
610 >[propen1ol]	3.3973E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[HCO]HCO+O ₂ =>formylperoxy	
>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
611 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.93E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
>[acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
612 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	3.3517E-08
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
$>$ [C ₃ H ₆]C ₃ H ₆ +CH ₃ CH ₂ OO=>allyl+CH ₃ CH ₂ OOH>[allyl]allyl+HO ₂ =>prod_2	
613 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.4325E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>$ [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]vinoxylmethyl=>acrolein+H	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO= $>$ C ₂ H ₃ +CO- $>$ [C ₂ H ₃]C ₂ H ₃ +O ₂ = $>$ O+vinoxy	2 22255 27
614 [vinoxy] vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.0085E-07
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]O ₂ +ipropyl=>OH+propoxide	
615 >[propoxide]	1.5391E-06
$[OH]C_3H_8 + OH = > npropyl + H_2O> [npropyl] well_1 = > OH + prod_1$	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[HCO]HCO+O ₂ =>CO+HO ₂	
616 >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	8.5379E-08

		1
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+ipropyloo=>O ₂ +ipropyloxy+ipropyloxy	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	$>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2$	
617	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.5308E-09
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+H=>acetyl+H ₂	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
618	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.9422E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
619	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.4276E-07
013		1.42700 07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +O=>C ₂ H ₅ +HCO>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
620	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.117E-06

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
621	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.4913E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl	
	>[npropyl]npropyloo+acetaldehyde=>npropylooh+acetyl	
622	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.2923E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
623	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.4501E-08
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
624	>[C ₃ H ₆]C ₃ H ₆ +O=>allyl+OH>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	1.8067E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]formylperoxy=>HCO+O ₂ >[HCO]HCO+O ₂ =>CO+HO ₂	
625	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	2.2867E-08
	$[OH]C_3H_8 + OH = > ipropyl + H_2O - > [ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6$	
	$>[C_3H_6]H+C_3H_6=>ipropyl>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
626	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide>[propoxide]	1.2915E-07
	->[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
627	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.2621E-06

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[CH ₂ O]CH ₂ O+formylperoxy=>HCO+formylooh	
628	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	7.006E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>$ [C ₃ H ₆]C ₃ H ₆ +H=>allyl+H ₂ >[allyl]allyl+HO ₂ =>prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[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	
629	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.6262E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
630	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	5.1695E-08
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH	
	>[ethoxy]ethoxy=>acetaldehyde+H	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
631	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.1813E-08
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1-	
	->[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
600	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	6 2 4 2 2 5 6 2
632	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.2423E-06

$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyl+HO ₂ =>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
633 >[CH ₃ O]	6.8243E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂	₂ O-
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂ >[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	D
634 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.7242E-08
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ l	H ₆ -
$->[C_3H_6]HO_2+C_3H_6=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide$	-
635 >[propoxide]	1.3744E-07
$[OH]C_3H_8 + OH = > npropyl + H_2O> [npropyl]npropyloo = > HO_2 + C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo=>OH+propoxide	
636 >[propoxide]	1.0216E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl	
>[npropyl]npropyloo+CH ₃ CH ₂ OO=>npropyloxy+ethoxy+O ₂	
>[ethoxy]ethoxy=>CH ₃ +CH ₂ O>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
637 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.1552E-08
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>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=>acrolein+H	
>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
638 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.6276E-07

	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
	$>[C_3H_6]C_3H_6+CH_3CH_2OO=>allyl+CH_3CH_2OOH>[allyl]allyl+HO_2=>prod_2$	
639	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.2213E-06
	$[OH]C_3H_8 + OH = \text{ipropyl} + H_2O \text{[ipropyl]} + H_2O [i$	
	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+CH ₃ OO=>allyloxy+CH ₃ O	
	>[allyloxy]allyloxy=>acrolein+H	
6.40	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	2 5005 07
640	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.598E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
6/1	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	5.0794E-07
041	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	J.0794L-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO >[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)	
	>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
642	>[CH ₃ O]	7.794E-07
	$[OH]C_3H_8 + OH = > npropyl + H_2O - > [npropyl]well 1 = > HO_2 + prod 2$	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>formylethyl	
	>[formylethyl]formylethyl= $>$ C ₂ H ₄ +HCO $>$ [C ₂ H ₄]C ₂ H ₄ +HO ₂ = $>$ oxirane+OH-	
643	->[oxirane]	6.1076E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
644	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.1449E-07

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[OH]C_3H_8+OH=>npropyl+H_2O-->[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+acetaldehyde=>CH<sub>3</sub>OOH+acetyl--
645 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
                                                                                                       3.7925F-06
      [OH]C_3H_8+OH=>npropyl+H_2O--
     >[npropyl]npropyloo+C<sub>3</sub>H<sub>8</sub>=>npropylooh+ipropyl--
     >[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>--
     [CH_3]CH_3OO+HO_2=CH_3OOH+O_2=
646 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
                                                                                                       1.0321E-06
     [OH]C_3H_8+OH=>npropyl+H_2O-->[npropyl]well 1=>HO_2+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--
                                                                                                        4.561E-06
647 > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH --> [CO]
     [OH]C_3H_8+OH=>ipropyl+H_2O--
     >[ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+ipropyl--
     >[ipropylooh]ipropylooh=>ipropyloxy+OH--
     >[ipropyloxy]ipropyloxy=>CH3+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>--
648 > [CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]
                                                                                                       1.9029E-07
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	[OLI]C II + OLI=>inronyl+II O	
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
6.40	>[acetyl]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H	0.4.045.07
649	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	8.1421E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+acetylperoxy=>acetyl+CH ₃ CO ₃ H	
650	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	2.4773E-07
	$->[frag_1]frag_1=>vinoxy+CH_2O>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH$	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
651	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.3847E-05
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	$>[allyloxy]$ allyloxy=> $C_2H_3+CH_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
652	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.9024E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2>[allyl]allyl+HO_2=>prod_2$	
	>[prod 2]prod 2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
653	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.6205E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
654	>[npropyl]well_1=>OH+prod_1>[prod_1]	4.8242E-07
031	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	1.02 122 07
	$>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
GEF	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	4.8065E-07
000	>[frag_1]	4.6U03E-U/

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>QOOH_2	
	>[QOOH_2]well_2=>well_3>[well_3]well_3=>well_2	
656	>[well_2]QOOH_2=>OH+propoxide>[propoxide]	6.9538E-09
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
657	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	8.4085E-08
	[OU]C OU = > parapul O > [parapul] 1 > OU prod 1	
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
658	>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	3.9357E-08
038	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.9337L-08
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
650	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	6.8026E-08
033	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	0.80201-08
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
660	$>[C_3H_6]H+C_3H_6=>ipropyl>[ipropyl]ipropyloo=>QOOH_3$	0 10075 07
660	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	9.1007E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	$>$ [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]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
661	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.593E-07

$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
662 >[CH ₃ O]	3.9624E-08
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
663 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.8999E-07
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
->[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	5 40005 00
Section 2004 Sect	5.1832E-08
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ +CH ₂ O=>ethoxy>[ethoxy]ethoxy=>CH ₃ +CH ₂ O	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
665 >[CH ₃ O]	2.226E-06
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
$>$ [C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh>[allyl]allyl+HO ₂ =>prod_2	
666 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.9164E-06
	3.5104L-00

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy= $>$ C ₂ H ₅ +CH ₂ O $>$ [C ₂ H ₅]C ₂ H ₅ +O ₂ = $>$ oxirane+OH	
667	>[oxirane]	1.3578E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
668	->[CH ₃]CH ₃ +HO ₂ =>CH ₃ O+OH>[CH ₃ O]	1.664E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]ipropyloo+HO ₂ = $>$ ipropylooh+O ₂	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+OH=>vinoxy+H2O	
669	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	9.7295E-09
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
670	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.8401E-07
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]O_2+npropyl=>HO_2+C_3H_6$	
C71	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	7 07555 07
6/1	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	7.8755E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>allyloxy+OH$	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
C72	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	2 42405 07
6/2	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.4248E-07

[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO>[HCO]HCO+O ₂ =>formylperoxy>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh 674 >[formylooh]formylooh=>formyloxy+OH>[formyloxy] 1.3256E-O [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O->[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +acetylperoxy=>allyl+CH ₃ CO ₃ H 675 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] 3.7554E-O [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[ipropyl]ipropyloo+allyl=>ipropyloxy+allyloxy>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde>[CH ₃ OH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[CH ₃ O] 7.0297E-O [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl>[ipropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH			
$ \begin{array}{c} > [npropyl] npropyloo+C_3H_8=>npropylooh+npropyl\\ > [npropylooh] npropylooh=>npropyloxy+OH\\ > [npropyloxy] npropyloxy=>C_2H_3+CH_2O>[C_2H_3]C_2H_5+O_2=>CH_2CH_2OOH\\ > [CH_2CH_2OOH]CH_2CH_2OOH=>oxirane+OH>[oxirane] \\ \hline \\ [OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1\\ > [prod_1] prod_1=>frag_1+OH>[frag_1] frag_1=>vinoxy+CH_2O\\ > [CH_2O] ipropyloo+CH_2O=>ipropylooh+HCO\\ > [HCO]HCO+O_2=>formylperoxy\\ > [formylperoxy]CH_2O+formylperoxy=>HCO+formylooh\\ \hline \\ 674 > [formylooh] formylooh=>formyloxy+OH>[formyloxy] \\ \hline [OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl] ipropyloo=>HO_2+C_3H_6\\ > [C_3H_6]C_3H_6+acetylperoxy=>allyl+CH_3CO_3H\\ \hline \\ 675 > [CH_3CO_3H]CH_3CO_3H=>acetyloxy+OH>[acetyloxy] \\ \hline [OH]C_3H_8+OH=>ipropyl+H_2O>[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+ipropyl\\ > [CH_3CH_3OO+C_3H_6=>ipropyl-+] [ipropyl] ipropyloo=>HO_2+C_3H_6\\ > [C_3H_6]H+C_3H_6=>ipropyl-+\\ > [ipropyl] ipropyloo+C_3H_8=>ipropylooh+npropyl\\ > [ipropyl] ipropyloo+C_3H_8=>ipropylooh+npropyl\\ > [ipropyl] well_1=>OH+prod_1>[prod_1] prod_1=>frag_1+OH\\ \hline \end{array}$		[OH]C_H_+OH=>nnronyl+H_O	
>[npropylooh]npropylooh=>npropyloxy+OH >[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O>[C ₂ H ₅]C ₂ H ₅ +O ₂ =>CH ₂ CH ₂ OOH 673 >[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]			
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O·->[C ₂ H ₅ C ₂ H ₅ +O ₂ =>CH ₂ CH ₂ OOH-673 >[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane] 4.5927E-0 [OH]C ₃ H ₈ +OH=>npropyl+H ₂ O·->[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O·->[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO·->[HCO]HCO+O ₂ =>formylperoxy>[formyloperoxy] 1.3256E-0 [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O·->[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] 3.7554E-0 [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O·->[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] 3.7554E-0 [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O·->[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[CH ₃ CH ₃ OO+CH ₃ H ₈ =>CH ₃ OOH+ipropyl>[CH ₃ OO+CH ₃ OO+CH ₃ OO+CH ₃ OOH+ipropyl>[CH ₃ OO+CH ₃ OO+CH ₃ OOH+>CH ₃ OOH->[CH ₃ OO] 7.0297E-0 [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O·->[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[CH ₃ OO+CH ₃ OOH+>CH ₃ OOH->[CH ₃ OO] 7.0297E-0 [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O·->[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[CH ₃ OO+CH ₃ OOH+>CH ₃ OOH->[CH ₃ OO] 7.0297E-0 [OH]C ₃ H ₈ +OH=>ipropyl>[ipropyl]ipropyloo+NO ₂ >[ipropyl]ipropyloo+NO ₂ >[ipr			
A.5927E-0			
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO>[HCO]HCO+O ₂ =>formylperoxy>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh 1.3256E-0 [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +acetylperoxy=>allyl+CH ₃ CO ₃ H 3.7554E-0 [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde>[CH ₃ OH ₂ CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[CH ₃ OH ₂ CH ₃ OH=>CH ₃ OH->[CH ₃ OH)]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl-+2[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl>[ipropyl]ipropylool+C ₃ H ₈ =>ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npropyl>[ipropyl]ipropylooh+npr	673		4.5927E-06
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O >[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO >[HCO]HCO+O ₂ =>formylperoxy >[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh 674 >[formylooh]formylooh=>formyloxy+OH>[formyloxy] 1.3256E-0 [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +acetylperoxy=>allyl+CH ₃ CO ₃ H 675 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] 3.7554E-0 [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde >[CH ₃ OH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] 7.0297E-0 [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl >[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl >[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH			
		_	
$ [OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6 \\ >[C_3H_6]C_3H_6+acetylperoxy=>allyl+CH_3CO_3H \\ 675>[CH_3CO_3H]CH_3CO_3H=>acetyloxy+OH>[acetyloxy] \\ [OH]C_3H_8+OH=>ipropyl+H_2O>[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+ipropyl \\ >[CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O] \\ [OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6 \\ >[C_3H_6]H+C_3H_6=>ipropyl \\ >[ipropyl]ipropyloo+C_3H_8=>ipropylooh+npropyl \\ >[ipropyl]ipropyloo+C_3H_8=>ipropylooh+npropyl \\ >[ipropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH \\ \end{cases} $	674		1.3256E-07
$ [OH]C_3H_8+OH=>ipropyl+H_2O>[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+ipropyl \\ >[CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O] \\ \hline [OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6 \\ >[C_3H_6]H+C_3H_6=>ipropyl \\ >[ipropyl]ipropyloo+C_3H_8=>ipropylooh+npropyl \\ >[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH \\ \hline $	675		3.7554E-07
$ > [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+ipropyl\\ > [CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O] $			
$\label{eq:continuous} $$ [allyl]ipropyloo+allyl=>ipropyloxy+allyloxy \\ [ipropyloxy]ipropyloxy=>CH_3+acetaldehyde \\ [CH_3]CH_3OO+C_3H_8=>CH_3OOH+ipropyl \\ [CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O] $$ 7.0297E-0 $$ [OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6 \\ [C_3H_6]H+C_3H_6=>ipropyl \\ [ipropyl]ipropyloo+C_3H_8=>ipropylooh+npropyl \\ [ipropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH $$ $$ [ipropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH $$ $$ [ipropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH $$ [ipropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH $$ [iprod_1]prod_1=>frag_1+OH $$ [$			
$\label{eq:charge_state} $$ [ipropyloxy] ipropyloxy=>CH_3+acetaldehyde \\ > [CH_3]CH_3OO+C_3H_8=>CH_3OOH+ipropyl \\ > [CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O] \\ \hline [OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6 \\ > [C_3H_6]H+C_3H_6=>ipropyl \\ > [ipropyl]ipropyloo+C_3H_8=>ipropylooh+npropyl \\ > [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH \\ \end{aligned}$			
		>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl >[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl >[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	676	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	7.0297E-06
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl >[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH		[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH		>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl	
		>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[frag 1]frag 1=>vinoxv+CH ₂ O>[vinoxv]vinoxv+O ₂ =>CH ₂ O+CO+OH		>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
[]		>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
677 >[CO] 4.805E-0	677	>[CO]	4.805E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆		[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl		>[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl	
>[npropyl]ipropyloo+npropyloo=>ipropyloxy+npropyloxy+O ₂		>[npropyl]ipropyloo+npropyloo=>ipropyloxy+npropyloxy+O ₂	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde		>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH		>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
678 >[CH ₃ O] 7.5802E-0	678	>[CH ₃ O]	7.5802E-08

[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
679 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.789E-08
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
680 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.622E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+CH ₂ O=>ipropylooh+HCO	-
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH 681 >[CH ₃ O]	2.6496E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	2.01302 00
$>[C_3H_6]C_3H_6+O_2=>allyl+HO_2>[allyl]allyl+HO_2=>prod_2$	
682 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.5321E-06
$\frac{\text{[OH]C}_3\text{H}_8 + \text{OH} = \text{ipropyl} + \text{H}_2\text{O} - \text{[ipropyl]O}_2 + \text{ipropyl} = \text{>HO}_2 + \text{C}_3\text{H}_6 - \text{OH}_2}{\text{OH}_2\text{OH}_2\text{OH}_2} + \text{OH}_2\text{OH}_2 + \text{OH}_2\text{OH}_2$	
$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2-$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
683 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	7.7738E-07

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	$>[CH_3]CH_3OO+C_3H_8=>CH_3OOH+npropyl$	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
684	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.3851E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
685	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.75E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$>$ [ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ = $>$ QOOH_3	
686	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	5.3203E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O>[C ₂ H ₅]CH ₃ CH ₂ OO=>C ₂ H ₄ +HO ₂	
	>[C ₂ H ₄]C ₂ H ₄ +OH=>CH ₂ CH ₂ OH	
687	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	1.0206E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H 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 ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
688	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.6518E-07

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
689	->[prod_1]	2.8492E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
690	->[prod_1]prod_1=>frag_1+OH>[frag_1]	2.8492E-07
	* [p.ca_1]p.ca_1 *ab_1 * [ab_1]	210 1322 07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
	->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
691	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.8474E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
692	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.0497E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	$>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
693	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.8238E-06

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	1
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
694	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	7.0467E-08
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	7.0.1072.00
	$>[C_3H_6]H+C_3H_6=>npropyl>[npropyl]well_1=>OH+prod_1$	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
695		9.1986E-08
093	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	9.19801-08
	[OLI]C II + OLI-> inconvil II O > [inconvil O + inconvil > 1]O + C II	
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2>[allyl]allyl+HO_2=>prod_2$	
606	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>C ₂ H ₃ +CH ₂ O	6.06175.06
696	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	6.0617E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
607	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	8.0332E-08
097		6.U33ZE-U6
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$[C_3H_6]H+C_3H_6=>ipropyl>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
608		2.874E-08
038	$>[C_3H_6]H+C_3H_6=>npropyl>[npropyl]well_1=>OH+prod_1>[prod_1]$ $[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	2.0741-08
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
C00	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]well_1=>OH+prod_1	2 05105 00
699	>[prod_1]prod_1=>frag_1+OH>[frag_1]	2.8519E-08
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
700	>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl- $>$ [ipropyl]O ₂ +ipropyl= $>$ HO ₂ +C ₃ H ₆ - $>$	1 00005 07
/00	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide>[propoxide]	1.9963E-07

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2	
701	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	1.1526E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
702	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.7092E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
	$>$ [prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy+O ₂ =>acrolein+HO ₂	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
703	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.8476E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
704	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.3046E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
705	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.2124E-07
	[OLI]C OLI=>ipropyly O > [ipropyl]ipropyloo=> O C	
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
706	$>[C_3H_6]HO_2+C_3H_6=>ipropyloo>[ipropyloo]O_2+ipropyl=>HO_2+C_3H_6$	8.7146E-08
706	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	0./140E-U8

$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
>[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	
707 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.3457E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$ > [C_3H_6]C_3H_6 + OH = > allyl + H_2O - > [allyl]allyl + HO_2 = > prod_2$	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy+O ₂ =>acrolein+HO ₂	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
708 > [vinoxy] vinoxy + O2 = > CH2O + CO + OH > [CO]	6.3612E-08
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well 1=>OH+prod 1$	0.30121 00
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>CO+HO ₂	
>[CO]CH ₃ O+CO=>CH ₃ +CO ₂ >[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	1.589E-08
709 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.589E-08
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>[C_3H_6]C_3H_6+H=>C_2H_4+CH_3>[CH_3]CH_3OO+CH_2O=>CH_3OOH+HCO$	2.60405.06
710 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.6848E-06
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+CH ₂ O=>ipropylooh+HCO-	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
711 >[CH ₃ O]	4.1173E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2>[QOOH_2]well_2=>HO ₂ +prod_2	
712 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	5.2163E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O>[allyl]allyl+HO ₂ =>allyloxy+OH	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
713 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.0589E-07

$OH_2C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
714 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.7074E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
715 >[ipropyl]O ₂ +ipropyl=>OH+propoxide>[propoxide]	6.5517E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]ipropyloo+HO ₂ = $>$ ipropylooh+O ₂	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	2 00075 00
716 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.0987E-08
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
717 >[CH ₃ O]	2.0232E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
718 >[allyloxy]	1.5248E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>npropyloo>[npropyloo]well_1=>OH+prod_1	
719 >[prod_1]	8.6767E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>npropyloo>[npropyloo]well_1=>OH+prod_1	
720 >[prod_1]prod_1=>frag_1+OH>[frag_1]	8.6392E-07

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2>[QOOH_2]QOOH_2=>HO ₂ +C ₃ H ₆	
721	$>[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH>[propen1ol]	1.4888E-07
	$ [OH]C_3H_8 + OH = > ipropyl + H_2O> [ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6$	
	$>[C_3H_6]C_3H_6+O=>$ ketene+ $CH_3+H>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2$	
722	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.2435E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]ipropyloo+CH ₂ O= $>$ ipropylooh+HCO $>$ [HCO]HCO+O ₂ = $>$ CO+HO ₂	
723	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	3.1055E-08
	$ [OH]C_3H_8 + OH = > ipropyl + H_2O > [ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl $>$ [npropyl]npropyloo= $>$ HO ₂ +C ₃ H ₆	
724	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	1.3103E-07
	$ [OH]C_3H_8 + OH = > ipropyl + H_2O > [ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6$	
	>[C ₃ H ₆]C ₃ H ₆ +CH ₃ CH ₂ OO=>allyl+CH ₃ CH ₂ OOH	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
725	>[CH ₃ O]	1.0538E-06
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]CH ₂ O+HO ₂ =>OCH ₂ OOH	
	>[OCH ₂ OOH]OCH ₂ OOH=>CH ₂ O+HO ₂	
70.0	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	4.5005.07
/26	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.529E-07
	$[OH]C_3H_8+OH=>npropyl+H_2O$	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	2 46255 06
/ _ /	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	3.4625E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
720	$>[C_3H_6]H+C_3H_6=>npropyl>[npropyl]O_2+npropyl=>OH+propoxide>[npropyl]O_2+npropyl=>OH+propyl=OH+propyl=OH+propyl=->[npropyl]O_2+npropyl=>OH+propyl=->[npropyl]O_2+npropyl=->OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=->[npropyl=-]OH+propyl=[npropyl=-]$	0.44075.07
/28	>[propoxide]	9.4497E-07

		1
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2>[allyl]allyl+CH_3OO=>allyloxy+CH_3O$	
	$>[allyloxy]$ allyloxy= $>C_2H_3+CH_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
729	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.8545E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
730	>[CH ₃ O]	5.9678E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+npropyloo=>ipropyloxy+npropyloxy+O ₂	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
731	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.611E-08
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
	$>$ [ipropyl] O_2 +ipropyl= $>$ H O_2 + C_3 H $_6$ $>$ [C_3 H $_6$] C_3 H $_6$ +H O_2 = $>allyl+H_2O_2$	
732	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.4478E-07
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
	$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
722	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	1 20425 00
/33	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.2042E-06

$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>allyloxy+OH$	
$>[allyloxy]$ vinoxylmethyl= $>C_2H_3+CH_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
734 $\left \frac{\text{vinoxy}}{\text{vinoxy}} \right \text{vinoxy} + \text{O}_2 = \text{>CH}_2\text{O} + \text{CO} + \text{OH}_{} = \text{[CO]}$	1.6763E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
735 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.5653E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
736 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.208E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]ipropyl+HO ₂ = $>$ ipropyloxy+OH	
737 >[ipropyloxy]	1.0914E-06
$[OH]C_3H_8 + OH = > npropyl + H_2O - > [npropyl]npropyloo = > HO_2 + C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +CH ₃ CH ₂ OO=>allyl+CH ₃ CH ₂ OOH	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
738 >[CH ₃ O]	1.6351E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
739 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.4055E-07

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[OH]C_3H_8+OH=>npropyl+H_2O--
      >[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+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>CH<sub>2</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>--
                                                                                                                      6.05E-07
740|>[allyl]allyl+HO<sub>2</sub>=>prod 2-->[prod 2]prod 2=>allyloxy+OH-->[allyloxy]
      [OH]C_3H_8+OH=>npropyl+H_2O-->[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--
      >[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--
      >[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--
                                                                                                                  6.2923E-08
741 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
      [OH]C_3H_8+OH=>npropyl+H_2O-->[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_2=>CH_2O+CO+OH-->[CH_2O]CH_2O+HO_2=>HCO+H_2O_2--
742 > [HCO] HCO+HO<sub>2</sub> = > CO<sub>2</sub> + OH+H--> [CO<sub>2</sub>]
                                                                                                                  7.6045E-07
      [OH]C_3H_8+OH=>npropyl+H_2O-->[npropyl]npropyloo=>HO_2+C_3H_6--
      >[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>--
                                                                                                                  2.0784F-06
743 > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH --> [CO]
      [OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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--
744 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
                                                                                                                   7.7732E-08
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[OH]C_3H_8+OH=>npropyl+H_2O-->[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--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[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+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--
745 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
                                                                                                                        4.3871E-08
      [OH]C<sub>3</sub>H<sub>8</sub>+OH=>ipropyl+H<sub>2</sub>O-->[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+HO<sub>2</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+O<sub>2</sub>--
746 > [CH<sub>3</sub>CH<sub>2</sub>OOH] CH<sub>3</sub>CH<sub>2</sub>OOH=> ethoxy+OH--> [ethoxy]
                                                                                                                        5.1903E-07
      [OH]C_3H_8+OH=>npropyl+H_2O-->[npropyl]npropyloo=>HO_2+C_3H_6--
      >[C_3H_6]C_3H_6+OH=>allyI+H_2O-->[allyI]allyI+HO_2=>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>--
747 >[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH-->[CO]
                                                                                                                        7.1352E-07
      [OH]C<sub>3</sub>H<sub>8</sub>+OH=>ipropyl+H<sub>2</sub>O-->[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]well 1=>OH+prod 1--
      >[prod 1]prod 1=>frag 1+OH-->[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O--
748 > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH --> [CO]
                                                                                                                        8.6373E-07
      [OH]C<sub>3</sub>H<sub>8</sub>+OH=>ipropyl+H<sub>2</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]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_2CHCO]CH_2CHCO=>C_2H_3+CO-->[C_2H_3]C_2H_3+O_2=>O+vinoxy--
749 > [vinoxy]vinoxy + O_2 = > CH_2O + CO + OH --> [CO]
                                                                                                                        5.0176E-07
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[OH]C_3H_8+OH=>npropyl+H_2O--
      >[npropyl]npropyloo+C<sub>3</sub>H<sub>8</sub>=>npropylooh+npropyl--
      >[npropylooh]npropylooh=>npropyloxy+OH--
      >[npropyloxy]npropyloxy=>C_2H_5+CH_2O-->[CH_2O]CH_2O+OH=>HCO+H_2O--
750|>[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>]
                                                                                                           5.7458E-08
      [OH]C_3H_8+OH=>npropyl+H_2O-->[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_2=>CH_2O+CO+OH--
      >[CH<sub>2</sub>O]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]acetylperoxy+HO<sub>2</sub>=>CH<sub>3</sub>CO<sub>3</sub>H+O<sub>2</sub>--
751 > [CH<sub>3</sub>CO<sub>3</sub>H]CH<sub>3</sub>CO<sub>3</sub>H=>acetyloxy+OH-->[acetyloxy]
                                                                                                           9.1571E-09
      [OH]C_3H_8+OH=>ipropyl+H_2O--
     >[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--
      >[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--
752 > [CH_3O]
                                                                                                           2.3908F-07
      [OH]C_3H_8+OH=>npropyl+H_2O-->[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>]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--
753 >[CH<sub>3</sub>O]
                                                                                                           7.2646E-08
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$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
754 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	9.4659E-07
$[OH]C_3H_8 + OH = > npropyl + H_2O> [npropyl] npropyloo = > HO_2 + C_3H_6$	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>C ₂ H ₃ +CH ₂ O	
$755 > [C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	9.3941E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH2CHCO]CH2CHCO=>C2H3+CO>[C2H3]C2H3+O2=>O+vinoxy	
756 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.3082E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
757 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.8701E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
758 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.5533E-07

[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
759 <mark>>[npropylooh]</mark> npropylooh=>npropyloxy+OH>[npropyloxy]	1.5749E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
>[CH ₂ CHCO]CH ₂ CHCO=>C ₂ H ₃ +CO>[C ₂ H ₃]C ₂ H ₃ +O ₂ =>O+vinoxy	
760 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.9107E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O	_
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
761 >[CH ₃ O]	5.6518E-08
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde	
>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
762 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.7022E-07
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
763 >[CH ₃ O]	3.137E-06

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
764	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	9.9268E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>O ₂ +ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
765	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	8.4182E-08
	$[OH]C_3H_8+OH=>npropyl+H_2O$	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
766	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	9.9175E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH >[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+npropyl$	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH3]CH3OO+C3H8=>CH3OOH+ipropyl	
767	->[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.1281E-05
707	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	1.12012 03
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]CH ₂ O+HO ₂ =>HCO+H ₂ O ₂	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>npropyl+formylooh	
760	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	5.6593E-07
700	[[[[[[[[[[[[[[[[[[[J.UJJJL-U/

	$[OH]C_3H_8+OH=>npropyl+H_2O$	
	> <mark>[npropyl]</mark> npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>	> <mark>[npropylooh]</mark> npropylooh=>npropyloxy+OH	
>	$\sim [npropyloxy] npropyloxy = > C_2H_5 + CH_2O - > [C_2H_5]C_2H_5 + O_2 = > CH_2CH_2OOH - $	
769 >	>[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	5.224E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
770 >	>[allyloxy]	9.0476E-08
[$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>	> <mark>[C₃H₆]H+C₃H₆=>npropyl</mark>	
	[npropyl]npropyloo+npropyloo=>O ₂ +npropyloxy+npropyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	1 1015 00
//1 >	>[CH ₃ O]	1.194E-08
	[OH]C OH=> ppropult O > [ppropulty of 1 -> OH prod 1	
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O >[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$ = \frac{1}{10000000000000000000000000000000000$	
	$\sim [C_2H_4]C_2H_4+HO_2=> oxirane+OH>[oxirane]$	1.29E-07
	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
>	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
-	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
>	>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
773 >	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.5579E-08
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	> <mark>[C₃H₆]H+C₃H₆=>ipropyl</mark>	
	> <mark>[ipropyl]</mark> ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
774 >	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.8272E-06

OHC3H8+OH=>npropyl+H2O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[CH ₂ O]CH ₂ O+formylperoxy=>HCO+formylooh	
775 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	7.9662E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_3	
>[prod_3]prod_3=>frag_3+OH>[frag_3]frag_3+OH=>prod_3	
776 >[prod_3]prod_3=>frag_3+OH>[frag_3]	1.724E-13
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>$ [C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
777 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	8.1448E-08
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
>[allyloxy]vinoxylmethyl=>acrolein+H	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
$ > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH> [CO]$	4.1317E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl $>$ [npropyl]npropyl+HO ₂ = $>$ npropyloxy+OH	
779 >[npropyloxy]	1.5702E-06
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
$780 > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH > [CO]$	2.2168E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
$>$ [C ₃ H ₆]ipropyl+C ₃ H ₆ =>C ₃ H ₈ +allyl>[allyl]allyl+HO ₂ =>prod_2	
781 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.6416E-06

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[OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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--
                                                                                                                       3.3099E-06
782 >[CH<sub>2</sub>O]
      [OH]C_3H_8+OH=>ipropyl+H_2O-->[ipropyl]ipropyloo=>HO_2+C_3H_6--
      >[C<sub>3</sub>H<sub>6</sub>]HO<sub>2</sub>+C<sub>3</sub>H<sub>6</sub>=>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--
783 >[CH<sub>3</sub>O]
                                                                                                                         3.037F-08
      [OH]C_3H_8+OH=>npropyl+H_2O--
      >[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+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+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+npropyl--
784 > [npropyl] well 1 => OH + prod 1 --> [prod 1]
                                                                                                                       1.8208F-06
      [OH]C_3H_8+OH=>npropyl+H_2O--
      >[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+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+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--
785 > [frag 1]
                                                                                                                       1.8209E-06
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[OH]C_3H_8+OH=>npropyl+H_2O--
      >[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+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+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--
786 > [CO]
                                                                                                                   1.8197E-06
      [OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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>--
                                                                                                                   4.1264F-07
787 > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH --> [CO]
      [OH]C_3H_8+OH=>npropyl+H_2O-->[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+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+npropyl--
788 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
                                                                                                                   2.9177E-06
      [OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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--
789 > [ipropylooh] ipropylooh => ipropyloxy + OH--> [ipropyloxy]
                                                                                                                   1.1517E-06
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[OH]C_3H_8+OH=>npropyl+H_2O-->[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--
      >[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--
      >[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--
                                                                                                                         3.894E-06
790 >[CH<sub>3</sub>O]
      [OH]C_3H_8+OH=>npropyl+H_2O-->[npropyl]well 1=>HO_2+prod 2--
      >[prod 2]prod 2=>allyloxy+OH-->[allyloxy]allyloxy=>C<sub>2</sub>H<sub>4</sub>+HCO--
791 > [C_2H_4]C_2H_4 + HO_2 = > oxirane + OH--> [oxirane]
                                                                                                                       6.9519E-07
      [OH]C_3H_8+OH=>npropyl+H_2O--
      >[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--
      >[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+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+npropyl--
792 > [npropyl] well 1 => OH+prod 1--> [prod 1]
                                                                                                                       1.6008E-06
      [OH]C_3H_8+OH=>npropyl+H_2O--
      >[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--
      >[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+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--
793 > [frag_1]
                                                                                                                       1.6008E-06
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[OH]C_3H_8+OH=>npropyl+H_2O--
      >[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--
      >[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+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--
794 > [CO]
                                                                                                                        1.5998E-06
      [OH]C_3H_8+OH=>npropyl+H_2O-->[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--
      >[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--
795 | > [npropylooh] npropylooh = > npropyloxy + OH --> [npropyloxy]
                                                                                                                        2.4693E-08
      [OH]C<sub>3</sub>H<sub>8</sub>+OH=>ipropyl+H<sub>2</sub>O-->[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_3H_6]HO_2+C_3H_6=>QOOH 3-->[QOOH 3]QOOH 3=>OH+propoxide--
796 > [propoxide]
                                                                                                                        2.3337E-08
      [OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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--
797 > [npropylooh] npropylooh => npropyloxy + OH--> [npropyloxy]
                                                                                                                        3.3153E-07
      [OH]C_3H_8+OH=>npropyl+H_2O-->[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+HO<sub>2</sub>=>CH<sub>2</sub>OH+O<sub>2</sub>-->[CH<sub>2</sub>OH]CH<sub>2</sub>OH+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--
798 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
                                                                                                                        3.4294E-07
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[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	5.3181E-07
[OLI]C II + OLI=> inconvil II O	
_	
	3.6426E-07
	3.01202 07
	7.4469E-07
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	1.594E-06
	1.33 12 00
	7.3903E-07
$>[QOOH_2]QOOH_2 =>HO_2 + C_3H_6>[C_3H_6]HO_2 + C_3H_6 =>OH+propoxide$	
	1.9236E-06
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl >[npropylooh]npropylooh=>npropyloxy+OH >[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O >[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl >[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy] [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O >[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl

$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
$>[C_3H_6]H+C_3H_6=>npropyl->[npropyl]npropyloo+HO_2=>npropylooh+O_2-$	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
805 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.3789E-07
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
806 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.4378E-07
$ [OH]C_3H_8 + OH = > ipropyl + H_2O - > [ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
807 >[CH₃O]	7.3253E-07
$[OH]C_3H_8 + OH = > npropyl + H_2O - > [npropyl]npropyloo = > HO_2 + C_3H_6$	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
808 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.1555E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
$>$ [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=>acrolein+H	
>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
809 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	7.2868E-08

[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
810 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.4927E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +	·C ₂ H _e -
811 $->$ [C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyl	
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>QOOH_3$,,
>[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>[frag_3]frag_3+OH=>prod_3	
812 >[prod_3]prod_3=>frag_3+OH>[frag_3]	9.6768E-12
$>[C_3H_6]HO_2+C_3H_6=>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide$	e
813 >[propoxide]	3.4248E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +O=>ketene+CH ₃ +H>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	,
814 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.5796E-06
$[OH]C_3H_8 + OH = > ipropyl + H_2O > [ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6$	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO=>C ₂ H ₃ +CO>[C ₂ H ₃]C ₂ H ₃ +O ₂ =>O+vinoxy	
815 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.0504E-06

OHC3H8+OH=>ipropyl+H2O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
816 >[npropyl]npropyloo=>OH+propoxide>[propoxide]	2.8913E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
817 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.0146E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
818 >[npropyl]well_1=>OH+prod_1>[prod_1]	7.404E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
819 >[frag_1]	7.3769E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
820 >[CO]	7.3718E-07

$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +OH=>propen2yl+H ₂ O	
>[propen2yl]propen2yl+HO ₂ =>CH ₃ +ketene+OH	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
821 >[CH ₃ O]	5.7204E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[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	
822 vinoxy vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	7.7048E-07
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +C	CH ₂ O-
->[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O·	+OH
823 >[CH ₃ O]	1.9439E-06
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]O ₂ +ipropyl= $>$ HO ₂ +C ₃ H ₆	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
824 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.8371E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]npropyloo+CH ₃ CH ₂ OO=>npropyloxy+ethoxy+O ₂	
>[ethoxy]ethoxy=>CH ₃ +CH ₂ O>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
825 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.5144E-07

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
826	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	2.0319E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]O ₂ +npropyl=>OH+propoxide	
827	>[propoxide]	1.4652E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
828	>[CH ₃ O]	1.6702E-08
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)	
	>[CH ₃]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
829	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.1667E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
830	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.6305E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+O=>$ ketene+CH ₃ +H>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
831	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.3203E-06

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
832	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.1291E-05
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H 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 ₂ =>CH ₂ CHCO+H ₂ O ₂	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
833	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.3923E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[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=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
834	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.8866E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyl+HO ₂ =>ipropyloxy+OH	
835	>[ipropyloxy]	1.6927E-06
	$[OH]C_3H_8 + OH = > npropyl + H_2O> [npropyl]npropyloo = > HO_2 + C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyl+HO ₂ =>npropyloxy+OH	
836	>[npropyloxy]	2.4347E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ -	
837	->[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]well_1=>OH+prod_1>[prod_1]	2.2632E-08

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[OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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>=>npropyl-->[npropyl]well 1=>OH+prod 1--
838 > [prod 1]prod 1=> frag 1+OH--> [frag 1]
                                                                                                                 2.2543F-08
      [OH]C_3H_8+OH=>npropyl+H_2O-->[npropyl]O_2+QOOH 1=>OH+OH+frag 1-
      ->[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--
839|>[CH<sub>3</sub>O]
                                                                                                                 1.4763F-06
      [OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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>CH<sub>2</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>CH<sub>2</sub>OOH+HCO--
840 > [CH<sub>3</sub>CH<sub>2</sub>OOH] CH<sub>3</sub>CH<sub>2</sub>OOH=> ethoxy+OH--> [ethoxy]
                                                                                                                 6.8135E-08
      [OH]C_3H_8+OH=>ipropyl+H_2O-->[ipropyl]ipropyloo=>HO_2+C_3H_6--
      >[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_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--
841 > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH --> [CO]
                                                                                                                 2.8421F-08
      [OH]C_3H_8+OH=>npropyl+H_2O-->[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_2=>CH_2O+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--
      >[HCO]HCO+O<sub>2</sub>=>formylperoxy--
      >[formylperoxy]C<sub>3</sub>H<sub>8</sub>+formylperoxy=>ipropyl+formylooh--
842 > [formylooh] formylooh => formyloxy+OH--> [formyloxy]
                                                                                                                 3.6934E-08
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	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>prod 2$	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH ₃ O=>CH ₂ CHCO+CH ₃ OH	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
843	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.3205E-08
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]H+C_3H_6=>ipropyl>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
844	>[allyloxy]	2.3601E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H 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 ₂ O	
845	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.2521E-08
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>[C_3H_6]HO_2+C_3H_6=>ipropyloo>[ipropyloo]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	
846	>[propoxide]	4.4865E-08
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
847	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	9.4547E-08
	$[OH]C_3H_8+OH=>npropyl+H_2O$	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
0.40	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O	C F2.41F 00
848	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	6.5341E-08

$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH	
>[acetyloxy]acetyloxy+M=>CH ₃ +CO ₂ +M	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
849 >[CH ₃ O]	1.2393E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH	
>[acetyloxy]acetyloxy+M=>CH ₃ +CO ₂ +M	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
850 >[CH ₃ O]	1.1066E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	3.4223E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
852 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.0032E-07

$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[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	
853 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.1967E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
854 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.2285E-07
$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl	
>[npropyl]npropyloo+HO ₂ =>npropylooh+O ₂	
855 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.3193E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
856 >[CH ₃ O]	2.8157E-07
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
857 >[CH ₃ O]	1.1357E-06

$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[HCO]HCO+O ₂ =>formylperoxy	/
>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
858 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	3.6309E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
859 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	1.3506E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>QOOH_2	
>[QOOH_2]well_2=>HO ₂ +prod_6>[prod_6]prod_6=>propen1oxy+OH	
860 >[propen1oxy]	1.2141E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>QOOH_2	
>[QOOH_2]well_2=>HO ₂ +prod_6>[prod_6]prod_6=>propen1oxy+OH	
>[propen1oxy]propen1oxy+OH=>prod_6	
861 >[prod_6]prod_6=>propen1oxy+OH>[propen1oxy]	1.5374E-07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>QOOH_2	
>[QOOH_2]well_2=>HO ₂ +prod_6>[prod_6]prod_6=>propen1oxy+OH	
>[propen1oxy]propen1oxy+OH=>prod_6	
>[prod_6]prod_6=>propen1oxy+OH	
>[propen1oxy]propen1oxy+OH=>prod_6	
862 >[prod_6]prod_6=>propen1oxy+OH>[propen1oxy]	1.0172E-08
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]ipropyloo+CH ₃ OO=>ipropyloxy+CH ₃ O+O ₂	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
863 >[CH ₃ O]	1.1096E-07

[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
864 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.1261E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl>[npropyl]well_1=>OH+prod_1	_
->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
865 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.0238E-08
$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
866 >[CH ₃ O]	7.3232E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O$	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl	
>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
867 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.5859E-06

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
868	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.0772E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
869	>[CH ₃ O]	2.7174E-08
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>ipropyloo>[ipropyloo]ipropyloo=>OH+propoxide	
870	>[propoxide]	2.4916E-07
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	>[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
074	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	5 45 605 67
8/1	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.4563E-07
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]well_1=>OH+prod_1$	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]CH ₂ O+HO ₂ =>OCH ₂ OOH	
	>[OCH ₂ OOH]OCH ₂ OOH=>CH ₂ O+HO ₂	
072	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	1 21225 07
8/2	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.3123E-07

873	$ \begin{split} & [\text{OH}]\text{C}_3\text{H}_8 + \text{OH} = > \text{npropyl} + \text{H}_2\text{O} - > & [\text{npropyl}]\text{O}_2 + \text{QOOH}_1 = > \text{HO}_2 + \text{prod}_2 \\ & > & [\text{prod}_2]\text{prod}_2 = > \text{allyloxy} + \text{OH} > & [\text{allyloxy}]\text{allyloxy} = > \text{acrolein} + \text{H} \\ & > & [\text{acrolein}]\text{acrolein} + \text{HO}_2 = > & \text{CH}_2\text{CHCO} + \text{H}_2\text{O}_2 \\ & > & [\text{CH}_2\text{CHCO}]\text{CH}_2\text{CHCO} = > & \text{C}_2\text{H}_3 + \text{CO} - > & [\text{C}_2\text{H}_3]\text{C}_2\text{H}_3 + \text{O}_2 = > & \text{O} + \text{vinoxy} \\ & > & [\text{vinoxy}]\text{vinoxy} + \text{O}_2 = > & \text{CH}_2\text{O} + \text{CO} + \text{OH} > & [\text{CO}] \end{split} $	7.1862E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O> <mark>[ipropyl]</mark> ipropyloo=>HO ₂ +C ₃ H ₆	
	$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>formylethyl	
	>[formylethyl]formylethyl=>C ₂ H ₄ +HCO>[C ₂ H ₄]C ₂ H ₄ +OH=>CH ₂ CH ₂ OH	
874	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	1.0547E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]ipropyloo+CH ₃ CH ₂ OO=>ipropyloxy+ethoxy+O ₂	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
075	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	4 47645 07
8/5	>[CH ₃ O]	1.1761E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
076	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	2 00225 00
8/6	>[CH ₃ O]	3.8923E-08
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
077	$>[C_3H_6]HO_2+C_3H_6=>ipropyloo>[ipropyloo]ipropyloo=>QOOH_3$	2 24005 07
8//	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	2.2198E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
070	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>ipropyloo>[ipropyloo]O ₂ +ipropyl=>OH+propoxide	2 75075 07
8/8	>[propoxide]	3.7507E-07

	[OH]CH (OH-) ppropulate O > [ppropulated] 1-> OH prod 1	
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]formylperoxy=>HCO+O ₂	
	>[HCO]HCO+O ₂ =>formylperoxy	
070	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
8/9	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	9.9466E-08
	$[OH]C_3H_8+OH=>ipropyl+H_2O$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
	>[acetyl]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H	
880	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	1.0259E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]vinoxy+CH ₂ O=>frag_1	
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
881	>[CO]	5.2383E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
	>[npropyl]npropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ propen1ol+OH	
882	>[propen1ol]	1.7331E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh	
883	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	4.1127E-06
	COH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>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=>acrolein+H	
	>[acrolein]acrolein+H=>CH ₂ CHCO+H ₂	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
884	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.8376E-08
		l

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H 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+npropyloo=>CH ₂ CHCO+npropylooh	
885	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.4511E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
886	>[CH ₃ O]	1.5686E-07
		1,0000107
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl>[npropyl]well_1=>OH+prod_1-	
	->[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
887	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.9658E-08
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
888	>[CH ₃ O]	6.058E-08
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6$	
	$[C_3H_6]C_3H_6+n$ propyloo=>allyl+npropylooh	
229	>[allyl]allyl+HO2=>allyloxy+OH>[allyloxy]	2.6532E-06
303	[-[anyi]anyi+1102anyioxy+011>[anyioxy]	2.00020

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[OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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--
890 > [propen1ol]
                                                                                                              2.6301E-07
      [OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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--
891|>[npropyl]well_1=>OH+prod_1-->[prod_1]
                                                                                                              1.6823E-07
      [OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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--
892 > [frag_1]
                                                                                                              1.6823E-07
      [OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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--
      >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
893 > [CO]
                                                                                                              1.6813E-07
      [OH]C_3H_8+OH=>ipropyl+H_2O-->[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--
894 > [CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]
                                                                                                              2.9986F-06
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>[C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
[- [
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO >[npropylooh]npropylooh=>npropyloxy+OH >[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O >[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₃ ->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH- 898 >[CH ₃ O]	-
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[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]	1.3098E-06
$ \begin{aligned} & [OH]C_3H_8 + OH = $	
896 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	5.4877E-07
>[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	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
$[OH]C_3H_8 + OH = > npropyl + H_2O> [npropyl]npropyloo = > HO_2 + C_3H_6$	
>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh 895 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.0633E-07
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
$ [OH]C_3H_8 + OH = \text{ipropyl} + H_2O> [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 $	

[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O >[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde >[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H 900 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] [OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1 >[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O >[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO >[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde >[CH ₃ O]CH ₃ O+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH >[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO 901 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy] [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[allyloxy]allyloxy=>acrolein+H >[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde >[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl >[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H 900 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] 3.7573E [OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1 >[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O >[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO >[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde >[CH ₃ CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH >[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO 901 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy] 3.9433E [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[allyloxy]allyloxy=>acrolein+H	
$\label{eq:controller} $$ \sup_{\text{cacetaldehyde}} CH_3OO + \text{acetaldehyde} > CH_3OO + \text{acetyl} - \text{acetyl} + \text{acetyloxy} + \text{acetyloxy} \\ $$ \sup_{\text{colored}} CH_3CO_3H] CH_3CO_3H = \text{acetyloxy} + \text{OH} - \text{acetyloxy} \\ $$ [OH]C_3H_8 + OH = \text{npropyl} + \text{H}_2O - \text{npropyl} + \text{monty} + \text{ch}_2O - \text{npropyl} + \text{monty} + \text{ch}_2O - \text{npropyl} + \text{monty} + \text{ch}_2O - \text{npropyloo} + \text{ch}_2O - \text{npropyloo} + \text{ch}_2O - \text{npropyloo} + \text{ch}_2O - \text{npropylooxy} + \text{ch}_2O - \text{npropylooy} + \text{ch}_2O - \text{npropyloo} + $	
>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H 900 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] [OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1 >[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O >[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde >[CH ₃ CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH >[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO 901 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy] [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[allyloxy]allyloxy=>acrolein+H	
900 >[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] [OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1 >[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O >[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde >[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH >[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO 901 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy] [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy>[allyloxy]allyloxy=>acrolein+H	
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1 >[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O >[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde >[CH ₃ CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH >[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂ >[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO 901>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy] 3.9433E [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[allyloxy]allyloxy=>acrolein+H	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O >[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde >[CH ₃ CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH >[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂ >[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO 901 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy] 3.9433E [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[allyloxy]allyloxy=>acrolein+H	08
$ > [CH_2O] ipropyloo+CH_2O=> ipropylooh+HCO \\ > [ipropylooh] ipropylooh=> ipropyloxy+OH \\ > [ipropyloxy] ipropyloxy=> CH_3+acetaldehyde \\ > [CH_3]CH_3OO+HO_2=> CH_3OOH+O_2> [CH_3OOH]CH_3OOH=> CH_3O+OH \\ > [CH_2O] npropyloo+CH_2O=> npropylooh+HCO \\ 901>[npropylooh] npropylooh=> npropyloxy+OH> [npropyloxy] 3.9433E \\ [OH]C_3H_8+OH=> ipropyl+H_2O> [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 \\ > [allyloxy] allyloxy=> acrolein+H$	08
$\label{eq:continuous} $$ [ipropylooh] ipropylooh=>ipropyloxy+OH \\ [ipropyloxy] ipropyloxy=>CH_3+acetaldehyde \\ [CH_3] CH_3OO+HO_2=>CH_3OOH+O_2>[CH_3OOH]CH_3OOH=>CH_3O+OH \\ [CH_3O]CH_3O+O_2=>CH_2O+HO_2 \\ [CH_2O] npropyloo+CH_2O=>npropylooh+HCO \\ [npropylooh] npropylooh=>npropyloxy+OH>[npropyloxy] $$ 3.9433E $$ [OH]C_3H_8+OH=>ipropyl+H_2O>[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 \\ [allyloxy] allyloxy=>acrolein+H $$$	08
$\label{eq:charge_substitute} $$ [ipropyloxy] ipropyloxy=>CH_3+acetaldehyde \\ > [CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[CH_3OOH]CH_3OOH=>CH_3O+OH \\ > [CH_3O]CH_3O+O_2=>CH_2O+HO_2 \\ > [CH_2O] npropyloo+CH_2O=>npropylooh+HCO \\ 901 > [npropylooh] npropylooh=>npropyloxy+OH>[npropyloxy] $	08
$ > [CH_3]CH_3OO+HO_2 = > CH_3OOH+O_2 - > [CH_3OOH]CH_3OOH = > CH_3O+OH > [CH_3O]CH_3O+O_2 = > CH_2O+HO_2 - > [CH_2O]npropyloo+CH_2O = > npropylooh+HCO \\ 901 > [npropylooh]npropylooh = > npropyloxy+OH> [npropyloxy] $	08
$ > [CH_3O]CH_3O+O_2 = > CH_2O+HO_2 - \\ > [CH_2O]npropyloo+CH_2O = > npropylooh+HCO - \\ 901 > [npropylooh]npropylooh = > npropyloxy+OH>[npropyloxy] 3.9433E \\ [OH]C_3H_8+OH=> ipropyl+H_2O>[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 \\ > [allyloxy]allyloxy=> acrolein+H $	08
$ > [CH_2O] npropyloo+CH_2O=>npropylooh+HCO \\ 901 > [npropylooh] npropylooh=>npropyloxy+OH>[npropyloxy] \\ [OH] C_3H_8+OH=>ipropyl+H_2O>[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 \\ > [allyloxy] allyloxy=>acrolein+H $	08
$901 > [npropylooh] npropylooh => npropyloxy + OH>[npropyloxy] $ $3.9433E$ $[OH] C_3H_8 + OH => ipropyl + H_2O>[ipropyl] O_2 + ipropyl => HO_2 + C_3H_6$ $> [C_3H_6] C_3H_6 + HO_2 => allyl + H_2O_2$ $> [allyl] ipropyloo + allyl => ipropyloxy + allyloxy$ $> [allyloxy] allyloxy => acrolein + H$	08
$ \begin{aligned} & [OH]C_3H_8 + OH = > ipropyl + H_2O - > [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 - \\ & > [allyloxy]allyloxy = > acrolein + H \end{aligned} $	08
$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$ >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[allyloxy]allyloxy=>acrolein+H	
>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[allyloxy]allyloxy=>acrolein+H	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO-=>CH-CHCO+H-O	
Zacrolemjacrolemino2-zenzeneo mi202-	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
$902 > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH > [CO]$ 3.5422E	07
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2	
903 >[QOOH_2]QOOH_2=>OH+propoxide>[propoxide] 1.9312E	07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H 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=>acrolein+H	
>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
904 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] 2.29E	07

	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +H=>allyl+H ₂ >[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
905	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.1091E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+acetylperoxy=>acetyl+CH ₃ CO ₃ H	
	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH	
	>[acetyloxy]acetyloxy+M=>CH ₃ +CO ₂ +M	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
906	>[CH ₃ O]	1.0338E-07
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]npropyloo+HO ₂ =>npropylooh+O ₂	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
907	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.1382E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
000	>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	1.637E-07
908	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	1.03/E-U/
	$[OH]C_3H_8 + OH = \text{sipropyl} + H_2O - \text{sipropyl}]O_2 + \text{ipropyl} = \text{sHO}_2 + C_3H_6 - \text{sipropyl}$	
	>[C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O>[allyl]allyl+HO ₂ =>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
000	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	2 21 <i>61</i> F 07
909	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.3164E-07

$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+OH=>vinoxy+H2O	
910 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.3351E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>C ₂ H ₄ +HCO	
>[C ₂ H ₄]C ₂ H ₄ +OH=>CH ₂ CH ₂ OH	
911 >[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	1.2137E-07
$[OH]C_3H_8 + OH = > npropyl + H_2O> [npropyl]npropyloo = > HO_2 + C_3H_6$	
>[C ₃ H ₆]H+C ₃ H ₆ = $>$ ipropyl $>$ [ipropyl]O ₂ +ipropyl= $>$ HO ₂ +C ₃ H ₆	
$>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>prod_2	
912 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.8367E-07
$[OH]C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
913 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.1103E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
914 >[CH ₃ O]	8.6264E-08

	$ [OH]C_3H_8+OH=>ipropyl+H_2O>[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 ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
915	>[CH ₃ O]	1.2075E-06
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
	$>$ [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=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
016	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	4.4593E-07
910	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.4393E-U/
	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]O ₂ +QOOH_1=>OH+prod_3	
	>[prod_3]prod_3=>frag_3+OH>[frag_3]frag_3+OH=>prod_3	
917	>[prod_3]prod_3=>frag_3+OH>[frag_3]	2.0188E-10
	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
918	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	5.248E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +CH ₃ OO=>allyl+CH ₃ OOH>[allyl]allyl+HO ₂ =>allyloxy+OH	
919	>[allyloxy]	2.61E-06

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[OH]C_3H_8+OH=>ipropyl+H_2O--
      >[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+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--
920|>[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]
                                                                                                          6.5821E-08
     OH]C<sub>3</sub>H<sub>8</sub>+OH=>npropyl+H<sub>2</sub>O-->[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--
     >[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>]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>--
921 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
                                                                                                          1.1361E-07
     [OH]C<sub>3</sub>H<sub>8</sub>+OH=>npropyl+H<sub>2</sub>O-->[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--
     >[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--
     >[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--
922 > [npropylooh] npropylooh => npropyloxy + OH--> [npropyloxy]
                                                                                                          5.6871E-08
     [OH]C_3H_8+OH=>ipropyl+H_2O--
     >[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--
923 > [npropyl] well 1 => OH+prod 1--> [prod 1]
                                                                                                          1.8756E-07
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[OH]C_3H_8+OH=>ipropyl+H_2O--
     >[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--
     >[npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
924 > [frag 1]
                                                                                                    1.8757F-07
     [OH]C_3H_8+OH=>ipropyl+H_2O--
     >[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--
     >[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--
925 > [CO]
                                                                                                    1.8744F-07
     [OH]C<sub>3</sub>H<sub>8</sub>+OH=>npropyl+H<sub>2</sub>O-->[npropyl]npropyloo=>QOOH 2--
     >[QOOH 2]well 2=>HO<sub>2</sub>+prod 6-->[prod 6]prod 6=>propen1oxy+OH--
     >[propen1oxy]propen1oxy+OH=>prod 6--
     >[prod 6]prod 6=>propen1oxy+OH--
     >[propen1oxy]propen1oxy+OH=>prod 6--
     >[prod_6]prod_6=>propen1oxy+OH--
     >[propen1oxy]propen1oxy+OH=>prod 6--
926 | > [prod 6] prod 6 = > propen1oxy + OH --> [propen1oxy]
                                                                                                    4.5296E-10
     [OH]C_3H_8+OH=>ipropyl+H_2O--
     >[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--
     >[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--
                                                                                                    1.4442E-07
927 | >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]
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[OH]C ₃ H ₈ +	OH=>ipropyl+H ₂ O	
>[ipropyl]i	propyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylo	oh]ipropylooh=>ipropyloxy+OH	
>[ipropylo	xy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃	OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[<mark>ipropyl]</mark> ipropyloo=>HO ₂ +C ₃ H ₆ -	
->[C ₃ H ₆]C ₃	H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[<mark>allyl]</mark> allyl+HO ₂ =>allyloxy+OH	
928 >[allyloxy]		1.7962E-07
[OH]C ₃ H ₈ +	OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H	1 ₆ +npropyloo=>allyl+npropylooh	
>[npropylo	ooh]npropylooh=>npropyloxy+OH	
>[npropylo	oxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH	₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
929 >[CH ₃ CH ₂ C	OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.1906E-06
[OH]C ₃ H ₈ +	OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H	H ₆ +OH=>allyl+H ₂ O> <mark>[allyl]</mark> allyl+HO ₂ =>prod_2	
>[prod_2]	orod_2=>allyloxy+OH>[<mark>allyloxy]</mark> allyloxy=>acrolein+H	
>[acrolein]	acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
>[CH ₂ CHC	O]CH ₂ CHCO=>C ₂ H ₃ +CO>[C ₂ H ₃]C ₂ H ₃ +O ₂ =>O+vinoxy	
930 >[vinoxy]v	inoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.878E-07
	$OH = \text{ipropyl} + H_2O - \text{[ipropyl]} \text{ipropyloo} = \text{>} HO_2 + C_3H_6 - \text{-}$	
	$H_6+OH=>allyl+H_2O$	
>[allyl]ipro	pyloo+allyl=>ipropyloxy+allyloxy	
>[ipropylo	xy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃	00+HO ₂ =>CH ₃ 00H+O ₂ >[CH ₃ 00H]CH ₃ 00H=>CH ₃ 0+OH	
>[CH ₃ O]Ch	H ₃ O+M=>CH ₂ O+H+M>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
931 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.8254E-08
[OH]C ₃ H ₈ +	OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]H+	C ₃ H ₆ =>npropyl>[npropyl]QOOH_1=>QOOH_2	
932 >[QOOH_2	2]QOOH_2=>OH+propoxide>[propoxide]	8.9453E-07
[OH]C ₃ H ₈ +	OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]C ₃ H	H ₆ +OH=>allyl+H ₂ O> <mark>[allyl]</mark> allyl+HO ₂ =>prod_2	
>[prod_2]	orod_2=>allyloxy+OH> <mark>[allyloxy]</mark> allyloxy=>formylethyl	
>[formylet	hyl]formylethyl=>C ₂ H ₄ +HCO>[C ₂ H ₄]C ₂ H ₄ +HO ₂ =>oxirane+OH-	
933 ->[oxirane]		3.8794E-08
[OH]C ₃ H ₈ +	OH=>ipropyl+H ₂ O>[<mark>ipropyl]</mark> O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
934 $> [C_3H_6]C_3H$	H ₆ +O=>allyl+OH> <mark>[allyl]</mark>	4.8572E-06

$>$ [C ₃ H ₆]C ₃ H ₆ +O=>allyl+OH>[allyl]allyl+HO ₂ =>prod_2	
935 >[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.1576E-06
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
936 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.7225E-07
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+CH ₃ OO=>allyloxy+CH ₃ O	
>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HC	CO
937 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.6833E-07
$ \text{OH} _{\text{C}_3\text{H}_8}$ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[npropylooh]npropylooh=>npropyloxy+OH	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O>[C ₂ H ₅]C ₂ H ₅ +HO ₂ =>ethoxy+C)H
938 >[ethoxy]	1.999E-06
$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2>[allyl]allyl+HO_2=>prod_2$	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
>[CH ₂ CHCO]CH ₂ CHCO=>C ₂ H ₃ +CO>[C ₂ H ₃]C ₂ H ₃ +O ₂ =>O+vinoxy	
939 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.6216E-06
$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>allyl+H ₂ O ₂ >[allyl]allyl+HO ₂ =>allyloxy+OH	
>[allyloxy]vinoxylmethyl= $>$ C ₂ H ₃ +CH ₂ O>[C ₂ H ₃]C ₂ H ₃ +O ₂ = $>$ O+vinoxy	
940 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.7669E-06

[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>O ₂ +ipropyl	
>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	-
941 >[CH ₃ O]	2.6721E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
>[acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH	
>[acetyloxy]acetyloxy+M=>CH ₃ +CO ₂ +M	
>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	-
942 >[CH ₃ O]	1.3979E-08
$ [OH]C_3H_8+OH=>npropyl+H_2O->[npropyl]well_1=>HO_2+prod_2$	
>[prod_2]prod_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>acrolein+	+H
>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
943 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.1645E-06
$OH_1C_3H_8+OH=>npropyl+H_2O$	
>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +H= $>$ allyl+H ₂	
944 >[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allylox	(v) 4.2223E-07
$[OH]C_3H_8 + OH = \text{ipropyl} + H_2O - \text{[ipropyl]}O_2 + \text{ipropyl} = \text{>}HO_2 + C_3H_6 - \text{-}$	()
$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
>[C ₂ H ₅]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
945 > [CH3CH2OOH]CH3CH2OOH=>ethoxy+OH>[ethoxy]	9.8316E-06

3.0946E-07
5.1364E-07
6.4328E-08
5.4911E-07
1.671E-07

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[OH]C_3H_8+OH=>npropyl+H_2O-->[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_2=>CH_2O+CO+OH--
      >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
      >[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>--
                                                                                                                        1.49E-07
951|>[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
      [OH]C_3H_8+OH=>ipropyl+H_2O-->[ipropyl]ipropyloo=>HO_2+C_2H_6--
      >[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=>CH3+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--
952 > [CH<sub>3</sub>O]
                                                                                                                    3.9634E-08
      [OH]C_3H_8+OH=>ipropyl+H_2O-->[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--
                                                                                                                    2.6734F-08
953 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
      [OH]C_3H_8+OH=>npropyl+H_2O--
      >[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--
      >[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>2</sub>O]CH<sub>3</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO--
954 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
                                                                                                                    1.2828E-06
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	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod 1]prod 1=>frag 1+OH>[frag 1]frag 1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]formylperoxy=>HCO+O ₂ >[HCO]HCO+O ₂ =>CO+HO ₂	
955	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	2.2766E-08
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
	>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2	
956	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	2.1966E-07
	$[OH]C_3H_8+OH=>npropyl+H_2O>[npropyl]O_2+QOOH_1=>HO_2+prod_2$	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
0.5.7	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	2 46005 06
957	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.4698E-06
	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]CH ₂ O+HO ₂ =>OCH ₂ OOH	
	>[OCH ₂ OOH]OCH ₂ OOH=>CH ₂ O+HO ₂	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
958	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.0293E-07
338	$[OH]C_3H_8+OH=>ipropyl+H_2O$	2.0233L-07
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H	
	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH	
	>[acetyloxy]acetyloxy+M=>CH ₃ +CO ₂ +M	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
959	>[CH ₃ O]	3.3894E-07
	. re. 251	

	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
960	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.4596E-06
	$[OH]C_3H_8+OH=>ipropyl+H_2O$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)	
	>[CH ₃]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
961	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.5788E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo= $>$ 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=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
962	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	9.2699E-08
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>$ [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 ₄ +HCO	
963	$>[C_2H_4]C_2H_4+HO_2=>oxirane+OH>[oxirane]$	4.4667E-08
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$>$ [C ₃ H ₆]npropyl+C ₃ H ₆ =>C ₃ H ₈ +allyl>[allyl]allyl+HO ₂ =>prod_2	
964	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.3991E-06

[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
>[HCO]HCO+O ₂ =>formylperoxy	
>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
965 >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.9298E-07
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
>[ipropylooh]ipropylooh=>ipropyloxy+OH	
>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)	
>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
966 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.7214E-06
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₂ O+H=>HCO+H ₂ >[HCO]HCO+O ₂ =>CO+HO ₂	
967 >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	1.8517E-08
[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>ipropyloo>[ipropyloo]ipropyloo=>HO ₂ +C ₃ H ₆	
$968 > [C_3H_6]C_3H_6+HO_2=> propen1ol+OH>[propen1ol]$	8.4956E-08
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>formylperoxy	
>[formylperoxy]C ₃ H ₈ +formylperoxy=>npropyl+formylooh	
969 >[npropyl]well_1=>OH+prod_1>[prod_1]	7.6679E-08
[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>formylperoxy	
>[formylperoxy]C ₃ H ₈ +formylperoxy=>npropyl+formylooh	
>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
970 >[frag_1]	7.6427E-08

	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>npropyl+formylooh	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
9/1	>[CO]	7.637E-08
	OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>HO ₂ +prod_2	
	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy+O ₂ =>acrolein+HO ₂	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
972	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.1413E-07
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl	
	>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
973	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	6.1053E-08
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
974	$>[C_3H_6]C_3H_6+O=>allyl+OH>[allyl]$	7.5347E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+O=>allyl+OH>[allyl]allyl+HO_2=>prod_2$	
975	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.3477E-06
	[OH]C ₃ H ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	$[OH]C_3H_8+OH-2HPIOPYI+H_2O-2[HPIOPYI]Well_1=2OH+PIOU_1=2$ $[Prod_1]prod_1=2Frag_1+OH-2[frag_1]frag_1=2Frag_1+OH-2O-2$	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
076	>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂ >[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	2 72005 00
9/6	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.7308E-08

1.7466E-07
1.74001-07
0,071 011
0xy+OH
7.2363E-06
H ₄ +HO ₂
2.5609E-07
I ₃ O
H+HCO
1.8735E-07
opoxide
4.1486E-06
1.9113E-07
-

983	$ \begin{split} & [\text{OH}]\text{C}_3\text{H}_8+\text{OH}=>& \text{npropyl}+\text{H}_2\text{O}>& [\text{npropyl}]\text{well}_1=>& \text{OH}+\text{prod}_1\\ >& [\text{prod}_1]\text{prod}_1=>& \text{frag}_1+\text{OH}>& [\text{frag}_1]\text{frag}_1=>& \text{vinoxy}+\text{CH}_2\text{O}\\ >& [\text{vinoxy}]\text{vinoxy}+\text{O}_2=>& \text{CH}_2\text{O}+\text{CO}+\text{OH}\\ >& [\text{CH}_2\text{O}]\text{CH}_3\text{OO}+\text{CH}_2\text{O}=>& \text{CH}_3\text{OOH}+\text{HCO}>& [\text{HCO}]\text{HCO}+\text{O}_2=>& \text{formylperoxy}\\ >& [\text{formylperoxy}]\text{C}_3\text{H}_8+& \text{formylperoxy}=>& \text{ipropyl}+& \text{formylooh}\\ >& [\text{formylooh}]\text{formylooh}=>& \text{formyloxy}+& \text{OH}>& [\text{formyloxy}] \end{split} $	1.4192E-07
	[OH]CH (OH-Sipropyl)H O Sipropyllipropyles-SHO (CH	
	$[OH]C_3H_8+OH=>ipropyl+H_2O>[ipropyl]ipropyloo=>HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl>[ipropyl]ipropyloo+HO_2=>ipropylooh+O_2$	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
984	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	5.2985E-09
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]H+C ₃ H ₆ =>npropyl>[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1	
985	>[frag_1]	1.0725E-06
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
000	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>QOOH_3	2 [[0[[07
986	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide] [OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	3.5595E-07
	$ C_3H_6 C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>allyloxy+OH$	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
987	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	9.1727E-08
	[OH]C ₃ H ₈ +OH=>ipropyl+H ₂ O	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ -	
000	->[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	4.0975E-09
300	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.U3/3E-U9

[OH]C ₂ H	I ₈ +OH=>ipropyl+H ₂ O>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	$C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>prod_2$	
- 0 0-	2]prod_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>acrolein+H	
	in]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
	$\frac{1}{100}$ CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
	v]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	8.8446E-08
	$I_8+OH=>ipropyl+H_2O$	
	/l]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	vlooh]ipropylooh=>ipropyloxy+OH	
	vloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	H ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
	$\frac{1}{100}$ +ipropyl=> $\frac{1}{100}$ + $\frac{100}$ + $\frac{1}{100}$ + $\frac{1}{100}$ + $\frac{1}{100}$ + $\frac{1}{100}$ + $\frac{1}{100}$	
	I_2]QOOH_2=>OH+propoxide>[propoxide]	8.8891E-08
	I ₈ +OH=>npropyl+H ₂ O>[npropyl]well_1=>OH+prod_1	
	1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O	
	npropyloo+CH ₂ O=>npropylooh+HCO	
_	ylooh]npropylooh=>npropyloxy+OH	
	yloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	npropyloo+CH ₃ CH ₂ OO=>npropyloxy+ethoxy+O ₂	
	yloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
	H ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.6888E-08
	$I_8+OH=>npropyl+H_2O>[npropyl]npropyloo=>HO_2+C_3H_6$	
	H+C ₃ H ₆ =>npropyl>[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1	
992 >[frag_1		1.6628E-06
[OH]C ₂ H	I ₈ +OH=>ipropyl+H ₂ O	
	/ <mark>l]</mark> ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
	vlooh]ipropylooh=>ipropyloxy+OH	
1	vloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	$H_3OO+C_3H_8=>CH_3OOH+ipropyl$	
	$\frac{1}{10}$ O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O	
	$ y + HO_2 = x + HO_2 = HO_2 + HO_2 = HO_2 + HO_2 + HO_2 = HO_2 + HO_2 +$	1.1021E-07
	$I_8+OH=>ipropyl+H_2O->[ipropyl]ipropyloo=>HO_2+C_3H_6$	
	$HO_2+C_3H_6=>ipropyloo$	
	vloo]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	vlooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.9028E-07
1.6.00	* 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

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[OH]C_3H_8+OH=>npropyl+H_2O-->[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--
      >[ipropylooh]ipropylooh=>ipropyloxy+OH--
      >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
                                                                                                             2.5097E-06
995 > [CH<sub>3</sub>] CH<sub>3</sub>+HO<sub>2</sub>=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
      [OH]C<sub>3</sub>H<sub>8</sub>+OH=>npropyl+H<sub>2</sub>O-->[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_2=>CH_2O+CO+OH--
      >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
      >[HCO]HCO+O<sub>2</sub>=>formylperoxy--
      >[formylperoxy]CH<sub>2</sub>O+formylperoxy=>HCO+formylooh--
996 >[formylooh]formylooh=>formyloxy+OH-->[formyloxy]
                                                                                                             1.3244F-07
      [OH]C<sub>3</sub>H<sub>8</sub>+OH=>npropyl+H<sub>2</sub>O-->[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--
      >[HCO]HCO+O<sub>2</sub>=>formylperoxy--
      >[formylperoxy]C<sub>3</sub>H<sub>8</sub>+formylperoxy=>ipropyl+formylooh--
997 > [formylooh] formylooh => formyloxy+OH--> [formyloxy]
                                                                                                             5.1676E-08
      [OH]C<sub>3</sub>H<sub>8</sub>+OH=>npropyl+H<sub>2</sub>O-->[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]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--
998 > [CH<sub>3</sub>OOH] CH<sub>3</sub>OOH=> CH<sub>3</sub>O+OH--> [CH<sub>3</sub>O]
                                                                                                             3.9176E-08
      [OH]C<sub>3</sub>H<sub>8</sub>+OH=>npropyl+H<sub>2</sub>O-->[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=>C<sub>2</sub>H<sub>4</sub>+HO<sub>2</sub>--
999 > [C_2H_4]C_2H_4 + HO_2 = > oxirane + OH--> [oxirane]
                                                                                                             4.0297E-08
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 [OH]C_3H_8+OH=>ipropyl+H_2O-->[ipropyl]ipropyloo=>HO_2+C_3H_6-- \\ >[C_3H_6]H+C_3H_6=>ipropyl-->[ipropyl]ipropyloo+CH_2O=>ipropylooh+HCO-- \\ >[ipropylooh]ipropylooh=>ipropyloxy+OH-- \\ >[ipropyloxy]ipropyloxy=>CH_3+acetaldehyde-- \\ >[CH_3]CH_3OO+CH_2O=>CH_3OOH+HCO-->[CH_3OOH]CH_3OOH=>CH_3O+OH-- \\ >[CH_3O]  2.7038E-06
```