	[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	
1	>[CO]	7.48E-01
2	[npropyl]well_1=>OH+prod_1>[prod_1]	7.48E-01
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
3	>[frag_1]	7.48E-01
	[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	
	>[CH2O]CH3OO+CH2O=>CH3OOH+HCO	
4	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4 205 02
4	>[Cn ₃ OOn]Cn ₃ OOn->Cn ₃ O+On>[Cn ₃ O]	4.20E-02
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	[frag_1]frag_1=>vinoxy+CH ₂ O>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
5	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.20E-02
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	4.20L-02
	>[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	
6	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.19E-02
	[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	
7	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.19E-02
	[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	
8	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.71E-02
	[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	
9	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.71E-02
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
10	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.56E-02

	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O>[vinoxy]vinoxy+O₂=>CH₂O+CO+OH</pre>	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
11	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.15E-02
	[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	
12	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.15E-02
	[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-	
4.0	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
13	>[CH ₃ O]	2.48E-02
	[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-	
14	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	2 405 02
14	>[CH ₃ O] [npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	2.48E-02
15	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.08E-02
10	[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	
16	>[CH ₃ O]	1.90E-02

	[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	
17	>[CH ₃ O]	1.89E-02
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
18	>[allyloxy]	1.86E-02
	[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	
19	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	9.55E-03
20	[npropyl]npropyloo=>OH+propoxide>[propoxide]	8.96E-03
	[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	
21	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	8.61E-03
	[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	
22	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
22	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	8.59E-03
22	[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	
23	>[propoxide]	6.30E-03
24	[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1>[frag_1]	5.79E-03
	[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	
25	>[CO]	5.79E-03

29	[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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.77E-03
28	[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 >[CH ₃ O]	5.10E-03
26	[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] [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>[CH ₃ O]	5.57E-03 5.11E-03

		i
30	[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+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.75E-03
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O>[vinoxy]vinoxy+O₂=>CH₂O+CO+OH</pre>	
	>[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	
31	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	3.68E-03
	[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	
32	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	3.68E-03
	[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-	
33	->[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]	3.50E-03
30	× [C113C]	J.JUL-03
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
34	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.45E-03
	$\begin{bmatrix} \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot \end{bmatrix}$	

	[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	
35	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.34E-03
36	$ [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_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH_3+CH_2O>[CH_3]CH_3OO+CH_2O=>CH_3OOH+HCO>[CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O] $	3.30E-03
37	[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>[CH ₃ O]	3.29E-03
38	[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]	3.19E-03
39	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH>[propen1ol]	3.00E-03
40	[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 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.90E-03

	[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	
	$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+ipropyl$	
41	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.90E-03
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	2.302 03
	>[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	
42	>[npropyl]well_1=>OH+prod_1>[prod_1]	2.44E-03
	[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	
43	>[CO]	2.44E-03
	[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	
44	>[frag_1]	2.44E-03
	[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-	
45	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	2.005.02
40	>[CH ₃ O]	2.08E-03

	[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-	
4.6	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
46	>[CH ₃ O]	2.08E-03
	[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	
47	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.06E-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 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	
48	>[CH ₃ O]	2.03E-03
	[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]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
49	>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	2 225 22
49	>[CH ₃ O]	2.03E-03
	[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	
50	>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	2 025 02
50	>[CH ₃ O]	2.03E-03

	[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	
51	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.00E-03
	[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	
52	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.99E-03
	[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	
53	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.99E-03
54	[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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.98E-03
55	[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+ipropyl >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.96E-03
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
56	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.93E-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 ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
57	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.86E-03
	<pre>[npropyl]well 1=>OH+prod 1>[prod 1]prod 1=>frag 1+OH</pre>	
	>[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+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
58	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.83E-03
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	$[frag_1]$ 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	
59	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.83E-03
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
60	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1 705 02
00		1.76E-03
	[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	
61	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	1.75E-03
	[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	
62	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.72E-03

	[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	
63	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.71E-03
	[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	
	>[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	
64	>[CH ₃ O]	1.69E-03
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	>[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+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	
65	>[CH ₃ O]	1.69E-03
	[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]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	
66	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.65E-03

	[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 >	
67	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.65E-03
	[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	
68	>[CH ₃ O]	1.60E-03
69	[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>[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]	1 59F₋∩3
09	>[CH ₃ O] [npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide	1.59E-03
70	>[propoxide]	1.57E-03

	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	>[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	
	>[ethoxy]ethoxy=>CH ₃ +CH ₂ O>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
71	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.54E-03
	[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	
72	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.54E-03
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
73	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.50E-03
	[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	
74	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.49E-03
	[npropyl]O ₂ +QOOH_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
75	>[allyloxy]	1.44E-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 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	
76	>[CO]	1.43E-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 ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
77	>[npropyl]well_1=>OH+prod_1>[prod_1]	1.43E-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 ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
78	>[frag_1]	1.43E-03
	[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	
79	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.38E-03
	[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	
80	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.38E-03
	[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	
81	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	1.35E-03
	[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	
0.2	>[CH ₂ O]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H	4.055.5
82	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	1.35E-03

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[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--
       >[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--
83
       >[CH<sub>3</sub>O]
                                                                                                               1.31F-03
       [npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
       >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
       >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
       >[ipropylooh]ipropylooh=>ipropyloxy+OH--
       >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
       >[acetaldehyde]acetaldehyde+HO<sub>2</sub>=>acetyl+H<sub>2</sub>O<sub>2</sub>--
       >[acetyl]acetyl(+M)=>CH<sub>3</sub>+CO(+M)--
       >[CH<sub>3</sub>]CH<sub>3</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
84
       >[CH<sub>3</sub>O]
                                                                                                               1.31E-03
       [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--
       >[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]
85
                                                                                                               1.24E-03
       [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>2</sub>O]npropyloo+CH<sub>2</sub>O=>npropylooh+HCO--
       >[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]
86
                                                                                                               1.24E-03
       [npropyl]npropyloo=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O--
87
       >[allyl]allyl+HO<sub>2</sub>=>allyloxy+OH-->[allyloxy]
                                                                                                               1.23E-03
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	[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	
88	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.22E-03
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	>[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]npropyloo+CH ₂ O=>npropylooh+HCO	
89	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.21E-03
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	>[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	
90	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.20E-03
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH ₂ O	
01	>[CH ₂ O]CH ₂ O+formylperoxy=>HCO+formylooh	1 205 02
91	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.20E-03
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
92	>[CH ₃ O]	1.20E-03
	[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-	
	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
93	>[CH ₃ O]	1.18E-03

	[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	
94	>[CH ₃ O]	1.17E-03
	[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 OO+CH ₂ O=>CH ₃ OOH+HCO	
95	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.16E-03
	[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	
96	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.16E-03
	[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+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
97	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.12E-03
	[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	
98	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.12E-03

	[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	
99	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.10E-03
	[npropul]woll 1-> Olluprod 1 > [prod 1]prod 1-> frog 1, Oll	
	[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	
100	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	1 0 4 5 0 2
100	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.04E-03
	[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	
101	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	1 0 4 5 0 2
101	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.04E-03
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+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-	
102	->[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	1 045 02
102	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.04E-03
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+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-	
103	->[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	1.045.03
103	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.04E-03

	[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	
104	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.03E-03
105	[npropyl]O ₂ +npropyl=>OH+propoxide>[propoxide]	1.01E-03
	[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	
106	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.00E-03
	[npropyl]well_1=>OH+prod_3>[prod_3]prod_3=>frag_3+OH	
107	>[frag_3]	9.71E-04
108	[npropyl]well_1=>OH+prod_3>[prod_3]	9.71E-04
109	$ [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_2O] CH_3 CH_2OO + CH_2O => CH_3 CH_2OO + HCO> [CH_3CH_2OOH] CH_3 CH_2OO += vethoxy + OH> [ethoxy] ethoxy => CH_3 + CH_2O> [CH_3] CH_3OO + acetaldehyde => CH_3OO + acetyl> [CH_3OOH] CH_3OO += vethoxy + OH> [CH_3O] $	9.29E-04
110	[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+acetaldehyde=>CH ₃ OOH+acetyl >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	9.28E-04

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[npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
        >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
        >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
        >[ipropylooh]ipropylooh=>ipropyloxy+OH--
        >[ipropyloxy]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>--
111
        >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                  9.26E-04
        [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--
        >[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>--
112
        >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                  9.21E-04
        [npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
        >[frag_1]frag_1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
        >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
        >[ipropylooh]ipropylooh=>ipropyloxy+OH--
        >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
        >[CH<sub>3</sub>]ipropyloo+CH<sub>3</sub>OO=>ipropyloxy+CH<sub>3</sub>O+O<sub>2</sub>--
        >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
        >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
113
        >[CH<sub>3</sub>O]
                                                                                                                  9.06E-04
        [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--
        >[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--
114
        >[CH<sub>3</sub>O]
                                                                                                                  9.03E-04
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	[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	
115	>[CH ₃ O]	9.02E-04
	[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]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	
116	>[CH ₃ O]	9.00E-04
	Inpropullify of 1 > Officered 1 > Inprod 1 >	
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O</pre>	
	>[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]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	
117	>[CH ₃ O]	8.96E-04
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
118	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	8.77E-04
	[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	
119	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	8.71E-04

	[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 ₂ H ₄ +HO ₂	
	>[C ₂ H ₄]C ₂ H ₄ +OH=>CH ₂ CH ₂ OH	
120	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	8.55E-04
	[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	
121	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	8.52E-04
	[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	
122	>[npropyl]well_1=>OH+prod_1>[prod_1]	8.31E-04
	[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 >[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
123	>[frag_1]	8.29E-04
	[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	
124	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	8.29E-04

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[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--
125
        >[CO]
                                                                                                                      8.27E-04
        [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--
        >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
        >[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]
126
                                                                                                                      8.23E-04
         [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>2</sub>O+acetylperoxy=>HCO+CH<sub>3</sub>CO<sub>3</sub>H--
        >[CH<sub>3</sub>CO<sub>3</sub>H]CH<sub>3</sub>CO<sub>3</sub>H=>acetyloxy+OH--
        >[acetyloxy]acetyloxy+M=>CH<sub>3</sub>+CO<sub>2</sub>+M--
        >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
127
        >[CH<sub>3</sub>O]
                                                                                                                      8.21E-04
        [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--
128
        >[frag_3]
                                                                                                                      8.21E-04
        [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+acetylperoxy=>HCO+CH<sub>3</sub>CO<sub>3</sub>H--
        >[CH<sub>3</sub>CO<sub>3</sub>H]CH<sub>3</sub>CO<sub>3</sub>H=>acetyloxy+OH--
        >[acetyloxy]acetyloxy+M=>CH<sub>3</sub>+CO<sub>2</sub>+M--
        >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
129
        >[CH<sub>3</sub>O]
                                                                                                                      8.21E-04
```

	[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	
130	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	7.85E-04
	[npropul]well 1-2 Olluprod 1 2 [prod 1]prod 1-2 frog 1 Oll	
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O>[vinoxy]vinoxy+O₂=>CH₂O+CO+OH</pre>	
	>[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	
131	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	7.83E-04
131	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	7.03L-04
132	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	7.76E-04
	[[anyiony]	7.700 04
	[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	
	>[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	
133	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	7.38E-04
	[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]npropyloo+CH ₃ CH ₂ OO=>npropyloxy+ethoxy+O ₂	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
4.5.	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
134	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	7.37E-04

	[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+O ₂ =>vinoxy+CO ₂	
135	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	7.17E-04
	[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]npropyloo+acetaldehyde=>npropylooh+acetyl	
136	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	6.99E-04
	$[npropyl]npropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>QOOH_2$	
137	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	6.96E-04
	[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	
138	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	6.95E-04
	[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	
139	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	6.92E-04
	[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	
140	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	6.91E-04

	[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	
141	>[CH ₃ O]	6.87E-04
	[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	
142	>[CH ₃ O]	6.80E-04
	[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+C ₃ H ₈ =>CH ₃ OOH+npropyl	
143	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.78E-04
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
1 1 1	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +OH= $>$ allyl+H ₂ O	6 705 04
144	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	6.78E-04
	[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+npropyl	
145	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.78E-04

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[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--
         >[frag_1]frag_1=>vinoxy+CH<sub>2</sub>O--
        >[CH<sub>2</sub>O]npropyloo+CH<sub>2</sub>O=>npropylooh+HCO--
        >[npropylooh]npropylooh=>npropyloxy+OH--
        >[npropyloxy]npropyloxy=>C<sub>2</sub>H<sub>5</sub>+CH<sub>2</sub>O--
        >[C<sub>2</sub>H<sub>5</sub>]CH<sub>3</sub>CH<sub>2</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+O<sub>2</sub>--
        >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH<sub>3</sub>+CH<sub>2</sub>O-
         ->[CH<sub>3</sub>]CH<sub>3</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-
146
        >[CH<sub>3</sub>O]
                                                                                                                       6.72E-04
         [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+HO<sub>2</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+O<sub>2</sub>--
        >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH<sub>3</sub>+CH<sub>2</sub>O-
        ->[CH<sub>3</sub>]CH<sub>3</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
147
                                                                                                                       6.71E-04
        >[CH<sub>3</sub>O]
        [npropyl]npropyloo+C<sub>3</sub>H<sub>8</sub>=>npropylooh+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--
148
        >[CO]
                                                                                                                       6.69E-04
         [npropyl]npropyloo+C<sub>3</sub>H<sub>8</sub>=>npropylooh+ipropyl--
         >[ipropyl]ipropyloo+C<sub>3</sub>H<sub>8</sub>=>ipropylooh+npropyl--
149
        >[npropyl]well 1=>OH+prod 1-->[prod 1]
                                                                                                                       6.69F-04
        [npropyl]npropyloo+C<sub>3</sub>H<sub>8</sub>=>npropylooh+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--
150
        >[frag 1]
                                                                                                                       6.69E-04
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151	[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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.62E-04
152	[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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.62E-04
153	[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>[CH ₃ OOH]CH ₃ OOH=>CH ₃ OOH>[CH ₃ O]	6.55E-04
154	[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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.53E-04
155	[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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.51E-04

		ī
	[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	
156	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.50E-04
	[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	
157	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.45E-04
158	[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+npropyl >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.19E-04
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	0.131 04
	>[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+npropyl	
159	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.17E-04

[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 >[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 OO+OH >[CH ₃ 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>[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+O+O>[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>[fromylperoxy]CH ₂ O+formylperoxy->HCO+formylooh			
>[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 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O>[CH ₃ CH ₂ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH >[CH ₃ O] 6.02E-04 [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>[formylooh>[formylooh>[formylooh]formylooh=>formyloxy+OH>[formyloxy] 5.90E-04 [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH ₂ O>[winoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[Winoxy]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	160	>[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>[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	6.03E-04
>[frag_1]frag_1=>vinoxy+CH ₂ O >[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO >[npropylosh]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 ₂ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH >[CH ₃ O] 6.02E-04 [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>[formylooh>[formylooh>[formylooh]formylooh=>formyloxy+OH>[formyloxy] 5.90E-04 [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>[Winoxy]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		_	
>[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 ₂ O>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ OO+OH [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>[formylooh]formylooh=>formyloxy+OH>[formyloxy] 5.90E-04 [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]CH ₂ O+formylperoxy=>HCO+formylooh			
>[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 161 >[CH ₃ O] 6.02E-04 [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>[formylooh>[formylooh]formylooh=>formyloxy+OH>[formyloxy] 5.90E-04 [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]CH ₂ O+formylperoxy=>HCO+formylooh		_	
>[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 161 >[CH ₃ O] 6.02E-04 [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>[formylooh]formylooh=>formyloxy+OH>[formyloxy] 5.90E-04 [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]CH ₂ O+formylperoxy=>HCO+formylooh			
>[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] 6.02E-04 [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>[formylooh]formylooh=>formyloxy+OH>[formyloxy] 5.90E-04 [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]CH ₂ O+formylperoxy=>HCO+formylooh			
->[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] 6.02E-04 [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 162 >[formylooh]formylooh=>formyloxy+OH>[formyloxy] 5.90E-04 [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]CH ₂ O+formylperoxy=>HCO+formylooh		>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
161 >[CH ₃ O] 6.02E-04		>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH 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 >[formylooh]formylooh=>formyloxy+OH>[formyloxy] [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]CH ₂ O+formylperoxy=>HCO+formylooh		->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+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 >[formylooh]formylooh=>formyloxy+OH>[formyloxy] [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]CH ₂ O+formylperoxy=>HCO+formylooh	161	>[CH ₃ O]	6.02E-04
>[HCO]HCO+O ₂ =>formylperoxy >[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh 2[formylooh]formylooh=>formyloxy+OH>[formyloxy] [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]CH ₂ O+formylperoxy=>HCO+formylooh			
>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh >[formylooh]formylooh=>formyloxy+OH>[formyloxy] [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]CH ₂ O+formylperoxy=>HCO+formylooh			
2 [formylooh]formylooh=>formyloxy+OH>[formyloxy] 5.90E-04		_	
[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]CH ₂ O+formylperoxy=>HCO+formylooh			
>[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	162	>[tormylooh]tormylooh=>tormyloxy+OH>[tormyloxy]	5.90E-04
>[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		Inpropully of 1-x Ollipsed 1-x Inred 1-x from 1-011	
>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>formylperoxy >[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh			
>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh			
- , , , , , , , , , , , , , , , , , , ,	163	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	5.88E-04

164	[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 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O>[CH ₃ CH ₂ OOH]CH ₃ COH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O>[CH ₃ CH ₂ OOH+O ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.88E-04
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	J.00L-04
	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ propen1ol+OH	
165	>[propen1ol]	5.88E-04
166	$ [npropyl] well_1 => OH + prod_1> [prod_1] prod_1 => frag_1 + OH> [frag_1] frag_1 => vinoxy + CH_2O> [CH_2O] CH_3 CH_2OO + CH_2O => CH_3 CH_2OO + HCO> [CH_3CH_2OOH] CH_3 CH_2OO + CH_2O => choxy + OH> [ethoxy] ethoxy => CH_3 + CH_2O> [CH_2O] CH_3 CH_2OO + CH_2O => CH_3 CH_2OO + HCO> [CH_3CH_2OOH] CH_3 CH_2OO +-> [ethoxy] ethoxy => CH_3 + CH_2O> [CH_3] CH_3OO + HO_2 => CH_3OO + OH> [CH_3OOH] CH_3OO +-> CH_3OO +-> [CH_3O] $	5.86E-04
167	$ [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_2O] CH_3OO + CH_2O => CH_3OO + HCO> [CH_3OOH] CH_3OO + CH_2O => npropylooh + HCO> [CH_2O] npropylooh + CH_2O => npropyloxy + OH> [npropyloxy] $	5.83E-04
168	$\label{eq:control_loss} $$ [npropyl] well_1=>OH+prod_1>[prod_1] prod_1=>frag_1+OH>[frag_1] frag_1=>vinoxy+CH_2O>[CH_2O]CH_3OO+CH_2O=>CH_3OOH+HCO>[CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O]CH_3O+M=>CH_2O+H+M>[CH_2O] npropyloo+CH_2O=>npropylooh+HCO>[npropylooh] npropylooh=>npropyloxy+OH>[npropyloxy]$	5.81E-04

	[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	
169	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	5.79E-04
	[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	
170	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	E 70E 04
170	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	5.78E-04
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
171	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	F 70F 04
1/1	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	5.70E-04
172	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>$ npropyl	E 47E 04
172	>[npropyl]well_1=>OH+prod_1>[prod_1]	5.47E-04
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>$ npropyl	
173	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]	5.46E-04
1/3	· [· · · · · · · ·	3.40E-04
	[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+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
174	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.46E-04
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
175	>[CO]	5.46E-04

181	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	4.99E-04
	>[C ₂ H ₄]C ₂ H ₄ +OH=>CH ₂ CH ₂ 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	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	J.UZL-U4
180	>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	5.02E-04
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
179	>[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]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	5.04E-04
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
178	>[CH ₃ O]	5.25E-04
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO >[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
177	>[frag_3]	5.33E-04
177	>[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	
	[npropyl]well_1=>OH+prod_3>[prod_3]prod_3=>frag_3+OH	
176	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.43E-04
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O</pre>	

	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl >[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	
182	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	4.96E-04
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ H_2O	
	>[propen2yl]propen2yl+O ₂ =>acetyl+CH ₂ O	
183	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[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]	4 005 04
105	[npropyl]well 1=>OH+prod 1>[prod 1]prod 1=>frag 1+OH	4.89E-04
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
184	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	4.88E-04
		11002 0 1
	[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]	4.86E-04
	[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 >[npropyl]well 1=>OH+prod 1>[prod 1]prod 1=>frag 1+OH	
186	>[frag_1]	4.85E-04
	1 . 0_ 1	1.000 04

```
[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>2</sub>O]CH<sub>3</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO--
187
         >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                                4.84E-04
         [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]
188
                                                                                                                                4.84E-04
         [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--
189
         >[CO]
                                                                                                                                4.83E-04
         [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--
         >[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--
190
         >[CH<sub>3</sub>O]
                                                                                                                                 4.82E-04
```

	[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	
	>[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	
191	>[CH ₃ O]	4.79E-04
	F [0.130]	4.73L 04
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	>[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	
192	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.78E-04
	[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	
193	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.78E-04
	[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	
194	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.77E-04
	[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 CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
195	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.72E-04

196	[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]ipropyloo+acetaldehyde=>ipropylooh+acetyl>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.69E-04
197	[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]	4.63E-04
198	[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 >[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.62E-04
199	$[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH_2O>[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH_3+CH_2O>[CH_3]CH_3OO+acetaldehyde=>CH_3OOH+acetyl>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O]$	4.59E-04

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[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--
          >[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>--
200
          >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                                     4.59E-04
          [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>]npropyloo+CH<sub>3</sub>OO=>npropyloxy+CH<sub>3</sub>O+O<sub>2</sub>--
          >[npropyloxy]npropyloxy=>C<sub>2</sub>H<sub>5</sub>+CH<sub>2</sub>O--
          >[C<sub>2</sub>H<sub>5</sub>]CH<sub>3</sub>CH<sub>2</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+O<sub>2</sub>--
201
         >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]
                                                                                                                                     4.49E-04
          [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>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--
202
         >[CH<sub>3</sub>O]
                                                                                                                                     4.46E-04
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```
[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>]npropyloo+CH<sub>3</sub>OO=>npropyloxy+CH<sub>3</sub>O+O<sub>2</sub>--
          >[npropyloxy]npropyloxy=>C<sub>2</sub>H<sub>5</sub>+CH<sub>2</sub>O--
          >[C<sub>2</sub>H<sub>5</sub>]CH<sub>3</sub>CH<sub>2</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+O<sub>2</sub>--
203
         >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]
                                                                                                                                      4.44E-04
          [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>]npropyloo+CH<sub>3</sub>CH<sub>2</sub>OO=>npropyloxy+ethoxy+O<sub>2</sub>--
         >[npropyloxy]npropyloxy=>C<sub>2</sub>H<sub>5</sub>+CH<sub>2</sub>O--
          >[C<sub>2</sub>H<sub>5</sub>]CH<sub>3</sub>CH<sub>2</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+O<sub>2</sub>--
          >[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--
204
          >[CH<sub>3</sub>O]
                                                                                                                                      4.43E-04
          [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]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--
205
         >[CH<sub>3</sub>O]
                                                                                                                                      4.43E-04
```

```
[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>2</sub>O]npropyloo+CH<sub>2</sub>O=>npropylooh+HCO--
206
        |>[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]
                                                                                                                   4.27F-04
        [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>3</sub>H<sub>8</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+npropyl--
        >[npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
        >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
207
        >[CO]
                                                                                                                   4.11F-04
        [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+npropyl--
        >[npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
208
        >[frag 1]
                                                                                                                   4.10E-04
        [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+npropyl--
209
        >[npropyl]well 1=>OH+prod 1-->[prod 1]
                                                                                                                   4.09E-04
```

	[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]npropyloo+CH ₃ OO=>npropyloxy+CH ₃ O+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	
210	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.09E-04
	[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	
	$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+npropyl$	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	$>[frag_1]frag_1=>vinoxy+CH_2O>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH$	
211	>[CO]	4 005 04
211		4.08E-04
	[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	
0.10	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
212	>[npropyl]well_1=>OH+prod_1>[prod_1]	4.08E-04
	[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	
213	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.08E-04

	[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	
214	>[frag_1]	4.08E-04
	[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+C ₃ H ₈ =>ipropylooh+ipropyl	
215	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.05E-04
215		4.03L-04
	[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	
216	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.97E-04
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+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+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH-	
217	>[CH ₃ O]	3.96E-04
	[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-	
218	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.84E-04
218	->[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]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.84E-04

219	[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>[CH ₃ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ OOH+CO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ OOH>[CH ₃ OOH]CH ₃ OOH	3.82E-04
	[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	
220	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.80E-04
221	[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+C ₃ H ₈ =>CH ₃ OOH+npropyl >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.75E-04
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	3./JL-U4
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
222	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.69E-04

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[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+HO<sub>2</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+O<sub>2</sub>--
         >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH<sub>2</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+ipropyl--
223
         >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                               3.69E-04
         [npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
         >[frag_1]frag_1=>vinoxy+CH<sub>2</sub>O--
         >[CH<sub>2</sub>O]npropyloo+CH<sub>2</sub>O=>npropylooh+HCO--
         >[npropylooh]npropylooh=>npropyloxy+OH--
         >[npropyloxy]npropyloxy=>C<sub>2</sub>H<sub>5</sub>+CH<sub>2</sub>O--
         >[C<sub>2</sub>H<sub>5</sub>]CH<sub>3</sub>CH<sub>2</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+O<sub>2</sub>--
         >[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+ipropyl--
224
         >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                               3.68E-04
         [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--
         >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]CH<sub>3</sub>O+O<sub>2</sub>=>CH<sub>2</sub>O+HO<sub>2</sub>--
         >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
         >[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]
225
                                                                                                                               3.64E-04
         [npropyl]npropyloo=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2--
         >[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy--
         >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
         >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
226
         >[CH<sub>3</sub>O]
                                                                                                                               3.63E-04
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```
[npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
                \sim [frag_1]frag_1 = vinoxy + CH_2O - \sim [vinoxy]vinoxy + O_2 = \sim CH_2O + CO + OH - \sim constant of the constant 
                >[CH<sub>2</sub>O]CH<sub>3</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO--
                >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]CH<sub>3</sub>O+O<sub>2</sub>=>CH<sub>2</sub>O+HO<sub>2</sub>--
                >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
227
                >[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]
                                                                                                                                                                                                                       3.60E-04
                [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--
                >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]CH<sub>3</sub>O+M=>CH<sub>2</sub>O+H+M--
                >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
               >[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]
228
                                                                                                                                                                                                                       3.59F-04
                [npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--
               >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
                >[CH<sub>2</sub>O]CH<sub>3</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO--
                >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]CH<sub>3</sub>O+M=>CH<sub>2</sub>O+H+M--
                >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
229
                >[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]
                                                                                                                                                                                                                       3.58E-04
                [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]CH<sub>3</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO--
230
               >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                                                                                                                       3.57E-04
                [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+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--
231
                >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                                                                                                                       3.56E-04
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	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
232	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.53E-04
	[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]ipropyloo+CH ₂ O=>ipropylooh+HCO	
233	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.48E-04
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl	
	>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
234	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.41E-04
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[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	
235	>[CH ₃ O]	3.39E-04
	[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	
	>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
236	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.36E-04

```
[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_3O]CH_3O+M=>CH_2O+H+M--
         >[CH<sub>2</sub>O]npropyloo+CH<sub>2</sub>O=>npropylooh+HCO--
237
        |>[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]
                                                                                                                          3.35E-04
         [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>]ipropyloo+CH<sub>3</sub>CH<sub>2</sub>OO=>ipropyloxy+ethoxy+O<sub>2</sub>--
         >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
         >[acetaldehyde]acetaldehyde+HO<sub>2</sub>=>acetyl+H<sub>2</sub>O<sub>2</sub>--
         >[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>--
238
         >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                          3.30E-04
         [npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
         >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
         >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
         >[ipropylooh]ipropylooh=>ipropyloxy+OH--
         >[ipropyloxy]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--
239
         >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                          3.30E-04
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[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+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--
240
         >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                       3.28F-04
         [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--
         >[acetaldehyde]npropyloo+acetaldehyde=>npropylooh+acetyl--
         >[acetyl]acetyl(+M)=>CH<sub>3</sub>+CO(+M)-->[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>--
241
        >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                       3.26E-04
         [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--
242
        >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                       3.26E-04
         [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>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO--
243
         >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                       3.26E-04
         [npropyl]O<sub>2</sub>+QOOH 1=>OH+OH+frag 1--
         >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
         >[CH<sub>2</sub>O]CH<sub>3</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO--
244
         >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                       3.25E-04
```

```
[npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--
                  \sim [frag_1]frag_1 = vinoxy + CH_2O - vinoxy]vinoxy + O_2 = vCH_2O + CO + OH - vinoxy + O_3 = vinoxy + O_4 = vinoxy + O_5 = vinoxy + O_5 = vinoxy + O_6 = vi
                  >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
                  >[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+acetaldehyde=>CH<sub>3</sub>OOH+acetyl--
245
                  >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                                                                                                                                                3.25E-04
                  [npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
                  >[frag_1]frag_1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
                  >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
                  >[ipropylooh]ipropylooh=>ipropyloxy+OH--
                  >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde--
                  >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
                 >[CH<sub>3</sub>O]CH<sub>3</sub>O+M=>CH<sub>2</sub>O+H+M-->[CH<sub>2</sub>O]CH<sub>3</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO--
246
                >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                                                                                                                                                3.25E-04
                 [npropyl]O<sub>2</sub>+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--
247
                  >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]
                                                                                                                                                                                                                                                3.25E-04
                  [npropyl]O_2+QOOH 1=>OH+OH+frag 1--
                  >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
                  >[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--
248
                 >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]
                                                                                                                                                                                                                                                3.24E-04
```

	[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+acetaldehyde=>CH ₃ OOH+acetyl	
249	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.24E-04
	[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	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
	>[C ₂ H ₄]C ₂ H ₄ +OH=>CH ₂ CH ₂ OH	
250	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	3.22E-04
	[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	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
	>[C ₂ H ₄]C ₂ H ₄ +OH=>CH ₂ CH ₂ OH	
251	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	3.21E-04
	[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+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
252	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.14E-04

	[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	
253	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	3.13E-04
	[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	
254	>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	2 125 04
234	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	3.12E-04
	[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	
	>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
255	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.12E-04
	[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	
256	>[propoxide]	3.09E-04

	[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+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	
257	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.96E-04
237	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	2.301-04
	>[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	
258	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.91E-04
	[propositive] 1 > Ollyprod 1 > [prod 1] prod 1 > frog 1 + Oll	
	[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	
	>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
259	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.91E-04
	[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+M=>CH ₂ O+H+M	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
260	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.89E-04

261	[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>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.87E-04
	[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	
2.62	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
262	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.87E-04
	<pre>[npropyl]O₂+QOOH_1=>OH+OH+frag_1 >[frag 1]frag 1=>vinoxy+CH₂O</pre>	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
263	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.87E-04
203	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	2.871-04
	>[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	
264	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.87E-04
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
265	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.85E-04
	[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	
266	$>[\text{vinoxy}] \text{vinoxy} + O_2 = > \text{CH}_2 \text{O} + \text{CO} + \text{OH}_{} > [\text{CO}]$	2.84E-04
	[100]	2.0 12 04

	[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-	
267	->[prod_1]	2.83E-04
	[parapullapropulaci C II -> parapulach i ipropul	
	[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	
200	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl>[npropyl]well_1=>OH+prod_1-	2 025 04
268	->[prod_1]prod_1=>frag_1+OH>[frag_1]	2.83E-04
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O$	
	$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+ipropyl$	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
269	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.83E-04
		2.03L-04
	[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	
270	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.83E-04

```
[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+npropyl--
         >[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--
271
         >[CO]
                                                                                                                            2.78E-04
         [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+npropyl--
         >[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]
272
                                                                                                                            2.78E-04
         [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+npropyl--
         >[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--
273
         >[frag 1]
                                                                                                                            2.76E-04
         [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--
         >[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl--
         >[ipropylooh]ipropylooh=>ipropyloxy+OH--
         >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
         >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
274
         >[CH<sub>2</sub>O]
                                                                                                                            2.76E-04
```

	[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 ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
275	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.75E-04
	[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+ipropyl	
	>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
276	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.73E-04
	[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	
277	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.72E-04
	[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	
	>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
278	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.72E-04

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[npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
         >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
         >[CH<sub>2</sub>O]CH<sub>3</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO--
         >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]CH<sub>3</sub>O+O<sub>2</sub>=>CH<sub>2</sub>O+HO<sub>2</sub>--
         >[CH<sub>2</sub>O]CH<sub>3</sub>CH<sub>2</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>CH<sub>2</sub>OOH+HCO--
         >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH<sub>3</sub>+CH<sub>2</sub>O-
         ->[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
279
         >[CH<sub>3</sub>O]
                                                                                                                                 2.69E-04
         [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--
         >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]CH<sub>3</sub>O+O<sub>2</sub>=>CH<sub>2</sub>O+HO<sub>2</sub>--
         >[CH<sub>2</sub>O]CH<sub>3</sub>CH<sub>2</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>CH<sub>2</sub>OOH+HCO--
         >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH<sub>3</sub>+CH<sub>2</sub>O-
         ->[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
280
         >[CH<sub>3</sub>O]
                                                                                                                                 2.68E-04
          [npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O - -
281
         >[allyl]allyl+HO<sub>2</sub>=>prod 2-->[prod 2]prod 2=>allyloxy+OH-->[allyloxy]
                                                                                                                                 2.68E-04
         [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--
282
         >[frag_3]
                                                                                                                                 2.64E-04
         [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--
         >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]CH<sub>3</sub>O+M=>CH<sub>2</sub>O+H+M--
         >[CH<sub>2</sub>O]CH<sub>3</sub>CH<sub>2</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>CH<sub>2</sub>OOH+HCO--
         >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH<sub>3</sub>+CH<sub>2</sub>O-
         ->[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
283
         >[CH<sub>3</sub>O]
                                                                                                                                 2.58E-04
```

```
[npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
        >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
        >[CH<sub>2</sub>O]CH<sub>3</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>OOH+HCO--
        >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]CH<sub>3</sub>O+M=>CH<sub>2</sub>O+H+M--
        >[CH<sub>2</sub>O]CH<sub>3</sub>CH<sub>2</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>CH<sub>2</sub>OOH+HCO--
        >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH<sub>3</sub>+CH<sub>2</sub>O-
        ->[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
284
        >[CH<sub>3</sub>O]
                                                                                                                   2.58E-04
        [npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
        >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O--
        >[CH<sub>2</sub>O]npropyloo+CH<sub>2</sub>O=>npropylooh+HCO--
        >[npropylooh]npropylooh=>npropyloxy+OH--
        >[npropyloxy]npropyloxy=>C<sub>2</sub>H<sub>5</sub>+CH<sub>2</sub>O--
        >[C<sub>2</sub>H<sub>5</sub>]CH<sub>3</sub>CH<sub>2</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+O<sub>2</sub>--
        >[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--
        >[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]
285
                                                                                                                    2.54E-04
        [npropyl]well 1=>HO<sub>2</sub>+prod 2-->[prod 2]prod 2=>allyloxy+OH--
        >[allyloxy]allyloxy=>acrolein+H--
        >[acrolein]acrolein+npropyloo=>CH<sub>2</sub>CHCO+npropylooh--
        >[CH<sub>2</sub>CHCO]CH<sub>2</sub>CHCO+O<sub>2</sub>=>vinoxy+CO<sub>2</sub>--
286
        >[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]
                                                                                                                    2.53E-04
        [npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
        >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
        >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
        >[ipropylooh]ipropylooh=>ipropyloxy+OH--
        >[ipropyloxy]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--
287
        >[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]
                                                                                                                    2.52E-04
```

```
[npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
                \sim [frag_1]frag_1 = vinoxy + CH_2O - vinoxy]vinoxy + O_2 = vCH_2O + CO + OH - vinoxy + O_3 = vinoxy + O_4 = vinoxy + O_5 = vinoxy + O_5 = vinoxy + O_6 = vi
                >[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+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+npropyl-->[npropyl]well 1=>OH+prod 1-
288
               ->[prod_1]prod_1=>frag_1+OH-->[frag_1]
                                                                                                                                                                                                                 2.51E-04
               [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+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+npropyl-->[npropyl]well 1=>OH+prod 1-
289
               ->[prod 1]
                                                                                                                                                                                                                 2.51E-04
                [npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
               >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
               >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
               >[ipropylooh]ipropylooh=>ipropyloxy+OH--
               >[ipropyloxy]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-
290
               ->[prod 1]
                                                                                                                                                                                                                 2.50E-04
                [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+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_2=>CH_2O+CO+OH-->[CO]
291
                                                                                                                                                                                                                 2.50E-04
```

```
[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+O<sub>2</sub>=>CH<sub>2</sub>O+HO<sub>2</sub>--
         >[CH<sub>2</sub>O]CH<sub>3</sub>CH<sub>2</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>CH<sub>2</sub>OOH+HCO--
292
         >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]
                                                                                                                         2.49F-04
         [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+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+npropyl-->[npropyl]well_1=>OH+prod_1-
293
        ->[prod 1]prod 1=>frag 1+OH-->[frag 1]
                                                                                                                         2.49E-04
         [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]npropyloo+CH<sub>2</sub>O=>npropylooh+HCO--
         >[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]
294
                                                                                                                         2.49E-04
         [npropyl]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH--
         >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
         >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
         >[ipropylooh]ipropylooh=>ipropyloxy+OH--
         >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
        >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
         >[CH<sub>3</sub>O]CH<sub>3</sub>O+O<sub>2</sub>=>CH<sub>2</sub>O+HO<sub>2</sub>--
         >[CH<sub>2</sub>O]CH<sub>3</sub>CH<sub>2</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>CH<sub>2</sub>OOH+HCO--
295
         >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]
                                                                                                                         2.49E-04
```

	[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]ipropyloo+CH ₂ O=>ipropylooh+HCO	
296	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.44E-04
	[npropyl]O ₂ +QOOH 1=>OH+OH+frag 1	21112 0 1
	>[frag 1]frag 1=>vinoxy+CH ₂ O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
297	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.44E-04
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	2.112 01
	>[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	
	>[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	
298	>[CH ₃ O]	2.42E-04
	[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	
299	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	2.42E-04
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh	
300	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.40E-04
	[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	
	>[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	
301	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.38E-04

	[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	
302	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.38E-04
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	$\begin{array}{ll} & \text{[frag_1]frag_1 = \times inoxy+CH_2O>[vinoxy]$ vinoxy+O_2 = \times CH_2O+CO+OH} \\ & \text{[frag_2]frag_1 = \times inoxy+CH_2O>[vinoxy]$ vinoxy+O_2 = \times CH_2O+CO+OH} \\ & [frag_3]frag_2 = \times inoxy+CH_2O>[vinoxy]$ vinoxy+O_2 = \times CH_2O+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	
	>[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	
303	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.37E-04
	[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]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
304	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.37E-04
	[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+M=>CH ₂ O+H+M	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
305	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.37E-04

	[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	
306	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.36E-04
	[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+C ₃ H ₈ =>ipropylooh+npropyl	
307	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.36E-04
	[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]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	
308	>[CH ₃ O]	2.36E-04
	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + HO_2 = > propen1ol + OH$	
309	>[propen1ol]	2.33E-04
	[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	
310	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	2.31E-04
		2.012 0.
	[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	
311	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	2.31E-04

	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[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	
312	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.30E-04
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	2.002 0.
	>[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	
	>[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	
313	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.29E-04
	[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+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
314	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.28E-04
	[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	
	>[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	
315	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.27E-04

	[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	
316	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	2 265 04
310	->[CH ₃]CH ₃ +HO ₂ =>CH ₃ O+OH>[CH ₃ O]	2.26E-04
	[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	
317	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.26E-04
	[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-	
318	->[CH ₃]CH ₃ +HO ₂ =>CH ₃ O+OH>[CH ₃ O]	2.26E-04
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+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	
319	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.25E-04
	[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]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
320	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	2.23E-04
320	[[Congoogin Caccetyloxy Con Clacetyloxy]	Z.ZJL-U4

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[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--
        >[acetaldehyde]ipropyloo+acetaldehyde=>ipropylooh+acetyl--
        >[acetyl]acetyl(+M)=>CH<sub>3</sub>+CO(+M)-->[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>--
321
       >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                 2.22E-04
        [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--
        >[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>--
322
        >[CH<sub>3</sub>CO<sub>3</sub>H]CH<sub>3</sub>CO<sub>3</sub>H=>acetyloxy+OH-->[acetyloxy]
                                                                                                                 2.22F-04
        [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--
        >[acetaldehyde]acetaldehyde+HO<sub>2</sub>=>acetyl+H<sub>2</sub>O<sub>2</sub>--
        >[acetyl]acetyl(+M)=>CH<sub>3</sub>+CO(+M)--
        >[CH<sub>3</sub>]CH<sub>3</sub>OO+C<sub>3</sub>H<sub>8</sub>=>CH<sub>3</sub>OOH+npropyl--
323
        >[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH-->[CH<sub>3</sub>O]
                                                                                                                 2.19E-04
        [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--
        >[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--
324
        >[CO]
                                                                                                                 2.18E-04
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[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--
325
         >[npropyl]well 1=>OH+prod 1-->[prod 1]
                                                                                                                           2.18E-04
         [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--
326
        >[npropyl]well 1=>OH+prod 1-->[prod 1]
                                                                                                                           2.18E-04
         [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--
         >[npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
327
         >[frag_1]
                                                                                                                           2.18E-04
         [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--
         >[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--
328
         >[CO]
                                                                                                                           2.18E-04
```

329	$ [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_2O] CH_3 CH_2OO + CH_2O => CH_3 CH_2OO + HCO> [CH_3 CH_2OO + $	2.18E-04
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O$	
	$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+npropyl$	
	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]ethoxy=>CH ₃ +CH ₂ O-	
	->[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
330	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.18E-04
	[npropyl]well_1=>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	
331	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.17E-04
	[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	
222	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl	
332	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.15E-04

```
[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>2</sub>+CH<sub>2</sub>O-
         ->[CH<sub>2</sub>O]npropyloo+CH<sub>2</sub>O=>npropylooh+HCO--
         >[npropylooh]npropylooh=>npropyloxy+OH--
         >[npropyloxy]npropyloxy=>C<sub>2</sub>H<sub>5</sub>+CH<sub>2</sub>O--
         >[C<sub>2</sub>H<sub>5</sub>]CH<sub>3</sub>CH<sub>2</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+O<sub>2</sub>--
333
        >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]
                                                                                                                         2.10E-04
         [npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
         >[frag_1]frag_1=>vinoxy+CH<sub>2</sub>O--
         >[CH<sub>2</sub>O]npropyloo+CH<sub>2</sub>O=>npropylooh+HCO--
         >[npropylooh]npropylooh=>npropyloxy+OH--
        >[npropyloxy]npropyloxy=>C<sub>2</sub>H<sub>5</sub>+CH<sub>2</sub>O--
         >[C<sub>2</sub>H<sub>5</sub>]CH<sub>3</sub>CH<sub>2</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>CH<sub>2</sub>OOH+O<sub>2</sub>--
         >[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>CH<sub>2</sub>OO+CH<sub>2</sub>O=>CH<sub>3</sub>CH<sub>2</sub>OOH+HCO--
334
        >[CH<sub>3</sub>CH<sub>2</sub>OOH]CH<sub>3</sub>CH<sub>2</sub>OOH=>ethoxy+OH-->[ethoxy]
                                                                                                                         2.09E-04
        [npropyl]npropyloo=>HO_2+C_3H_6-->[C_3H_6]C_3H_6+OH=>allyl+H_2O--
         >[allyl]allyl+HO<sub>2</sub>=>prod 2-->[prod 2]prod 2=>allyloxy+OH--
         >[allyloxy]allyloxy=>acrolein+H--
         >[acrolein]acrolein+HO<sub>2</sub>=>CH<sub>2</sub>CHCO+H<sub>2</sub>O<sub>2</sub>--
        >[CH<sub>2</sub>CHCO]CH<sub>2</sub>CHCO+O<sub>2</sub>=>vinoxy+CO<sub>2</sub>--
335
        >[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]
                                                                                                                         2.08E-04
         [npropyl]npropyloo=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>npropyl--
         >[npropyl]npropyloo+HO<sub>2</sub>=>npropylooh+O<sub>2</sub>--
336
        |>[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]
                                                                                                                         2.08F-04
        [npropyl]npropyloo=>HO_2+C_3H_6-->[C_3H_6]H+C_3H_6=>ipropyl--
         >[ipropyl]ipropyloo+HO<sub>2</sub>=>ipropylooh+O<sub>2</sub>--
         >[ipropylooh]ipropylooh=>ipropyloxy+OH--
         >[ipropyloxy]ipropyloxy=>CH<sub>3</sub>+acetaldehyde--
         >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
337
         >[CH<sub>3</sub>O]
                                                                                                                         2.07E-04
```

338	[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+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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.06E-04
339	[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 >[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]	2.06E-04
340	[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 >[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]	2.05E-04
341	$eq:control_co$	2.03E-04

342	$ [npropyl] well_1 => OH+prod_1> [prod_1] prod_1 => frag_1 + OH> [frag_1] frag_1 => vinoxy + CH_2O> [CH_2O] CH_3OO + CH_2O => CH_3OOH + HCO> [CH_3OOH] CH_3OOH => CH_3O + OH> [CH_3O] CH_3O + M => CH_2O + H+M> [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_3O] $	2.01E-04
	[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	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
343	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	2.005.04
343	>[CH ₃ O]	2.00E-04
	[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 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	
344	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.97E-04
	[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	
345	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.97E-04
	$[npropyl] npropyloo => HO_2 + C_3H_6> [C_3H_6]C_3H_6 + OH => allyl + H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
346	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.96E-04

	[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	
347	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.96E-04
	[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	
348	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.96E-04
	[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]ipropyloo+CH ₂ O=>ipropylooh+HCO	
349	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.93E-04
350	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+CH_3OO=>allyl+CH_3OOH$	1 025 04
330	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.93E-04
	[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	
	>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
351	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.93E-04

	[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 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-	
0.50	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
352	>[CH ₃ O]	1.92E-04
	[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1	
	>[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-	
353	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	1 025 04
333	>[CH ₃ O]	1.92E-04
	[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	
354	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.92E-04
	[[[[[[[[[[[[[[[[[[[1.522 04
	[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	
355	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.91E-04
	[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+acetaldehyde=>CH ₃ OOH+acety	
356	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.89E-04
	[- [-13-5]]	1.07L-04

	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	$[frag_1] frag_1 = vinoxy + CH_2O> [vinoxy] vinoxy + O_2 = vinoxy + CH_2O + CO + OH$	
	>[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	
	>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
357	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.87E-04
	[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]ipropyloo+CH ₂ O=>ipropylooh+HCO	
358	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.85E-04
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh	
359	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.85E-04
	[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	
	>[CH ₃ O]CH ₃ O+O ₂ =>CH ₂ O+HO ₂	
360	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	1 0 4 5 0 4
360	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.84E-04
	[naranyllanranylas C L => naranylash inranyl	
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH >[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+ipropyl$	
	>[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 +OH=>allyl+H ₂ O	
361	$>[allyl]allyl+HO_2=>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]$	1.83E-04
201	[[allylloxy]	1.03L-04

	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+ipropyl$	
362	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.83E-04
302	[npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>well_3	1.83L-04
363		1.83E-04
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	1.032 04
	>[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+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
364	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.82E-04
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	1.022 0 .
	>[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+npropyl	
365	>[npropyl]well_1=>OH+prod_1>[prod_1]	1.81E-04
	[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+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	
366	>[CO]	1.81E-04
	[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+C ₃ H ₈ =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
367	>[frag_1]	1.81E-04

	[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+M=>CH ₂ O+H+M	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
368	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.81E-04
300	>[propyroom]propyroom > [propyroxy]	1.81L-04
	[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	
	>[CH ₃ O]CH ₃ O+M=>CH ₂ O+H+M	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
369	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.81E-04
	[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	
	>[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	
370	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.79E-04
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy= $>$ C ₂ H ₃ +CH ₂ O $>$ [C ₂ H ₃]C ₂ H ₃ +O ₂ = $>$ O+vinoxy	
371	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.78E-04

	[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+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
372	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.75E-04
	[ppropyllwoll 1->HO uprod 2 >[prod 2]prod 2->allyloyyuOH	
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>formylethyl>[formylethyl]formylethyl=>C ₂ H ₄ +HCO-	
272	->[C ₂ H ₄]C ₂ H ₄ +OH=>CH ₂ CH ₂ OH	4 745 04
373	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	1.74E-04
	[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	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
374	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.73E-04
	[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	
375	>[CH ₃ O]	1.71E-04

376	[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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.69E-04
	$[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH>[frag_1]frag_1=>vinoxy+CH_2O>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH>[ethoxy]ethoxy=>acetaldehyde+H>[acetaldehyde]acetaldehyde+HO_2=>acetyl+H_2O_2>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2>[acetyl]acetyl(+M)=>CH_3+CO(+M)>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2$	
377	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.69E-04
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
378	>[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]	1.69E-04
	[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	
379	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.66E-04
	<pre>[npropyl]npropyloo+C₃H₈=>npropylooh+ipropyl >[ipropyl]ipropyloo+C₃H₈=>ipropylooh+npropyl >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH₃+acetaldehyde >[CH₃]CH₃OO+C₃H₈=>CH₃OOH+npropyl>[npropyl]well_1=>OH+prod_1-</pre>	
380	->[prod_1]	1.65E-04

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381	[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+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>[CO]	1.65E-04
	[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	
202	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+npropyl>[npropyl]well_1=>OH+prod_1-	4 655 04
382	->[prod_1]prod_1=>frag_1+OH>[frag_1]	1.65E-04
	[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	
0.00	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
383	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.65E-04
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
384	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.64E-04

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[npropyl]well 1=>OH+prod 1-->[prod 1]prod 1=>frag 1+OH--
         >[frag 1]frag 1=>vinoxy+CH<sub>2</sub>O-->[vinoxy]vinoxy+O<sub>2</sub>=>CH<sub>2</sub>O+CO+OH--
         >[CH<sub>2</sub>O]ipropyloo+CH<sub>2</sub>O=>ipropylooh+HCO--
         >[ipropylooh]ipropylooh=>ipropyloxy+OH--
         >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde--
         >[acetaldehyde]acetaldehyde+HO<sub>2</sub>=>acetyl+H<sub>2</sub>O<sub>2</sub>--
         >[acetyl]H<sub>2</sub>O<sub>2</sub>+acetylperoxy=>HO<sub>2</sub>+CH<sub>3</sub>CO<sub>3</sub>H--
         >[CH<sub>3</sub>CO<sub>3</sub>H]CH<sub>3</sub>CO<sub>3</sub>H=>acetyloxy+OH--
         >[acetyloxy]acetyloxy+M=>CH<sub>3</sub>+CO<sub>2</sub>+M--
         >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
385
         >[CH<sub>3</sub>O]
                                                                                                                              1.64E-04
         [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--
         >[acetaldehyde]acetaldehyde+HO<sub>2</sub>=>acetyl+H<sub>2</sub>O<sub>2</sub>--
         >[acetyl]H<sub>2</sub>O<sub>2</sub>+acetylperoxy=>HO<sub>2</sub>+CH<sub>3</sub>CO<sub>3</sub>H--
         >[CH<sub>3</sub>CO<sub>3</sub>H]CH<sub>3</sub>CO<sub>3</sub>H=>acetyloxy+OH--
         >[acetyloxy]acetyloxy+M=>CH<sub>3</sub>+CO<sub>2</sub>+M--
         >[CH<sub>3</sub>]CH<sub>3</sub>OO+HO<sub>2</sub>=>CH<sub>3</sub>OOH+O<sub>2</sub>-->[CH<sub>3</sub>OOH]CH<sub>3</sub>OOH=>CH<sub>3</sub>O+OH--
386
         >[CH<sub>3</sub>O]
                                                                                                                              1.64E-04
         [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+npropyl--
         >[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]
387
                                                                                                                              1.62E-04
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		1
	[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+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
388	>[frag_1]	1.62E-04
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[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	
389	>[CH ₃ O]	1.62E-04
	form and the second sec	
	[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+npropyl >[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	$>[frag_1]frag_1=>vinoxy+CH_2O>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH$	
390	>[CO]	1 625 04
330		1.62E-04
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2>[allyl]npropyloo+allyl=>npropyloxy+allyloxy$	
	$>[npropyloxy]$ npropyloxy=> $C_2H_5+CH_2O$	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
391	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.60E-04

	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	>[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	
	>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
392	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.60E-04
	[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	
393	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.59E-04
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl	
	>[ipropyl]ipropyloo+CH ₂ O=>ipropylooh+HCO	
394	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.59E-04
00 1	[ip: cp/icci.]	1.556-04
		1.551-04
331	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	1.331-04
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O</pre>	1.331-04
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O >[CH₂O]npropyloo+CH₂O=>npropylooh+HCO</pre>	1.331-04
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O >[CH₂O]npropyloo+CH₂O=>npropylooh+HCO >[npropylooh]npropylooh=>npropyloxy+OH</pre>	1.331-04
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O >[CH₂O]npropyloo+CH₂O=>npropylooh+HCO >[npropylooh]npropylooh=>npropyloxy+OH >[npropyloxy]npropyloxy=>C₂H₅+CH₂O</pre>	1.331-04
	[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	1.331-04
	$ [npropyl] well_1 => OH+prod_1> [prod_1] prod_1 => frag_1 + OH> [frag_1] frag_1 => vinoxy + CH_2O> [CH_2O] npropyloo + CH_2O => npropylooh + HCO> [npropylooh] npropylooh => npropyloxy + OH> [npropyloxy] npropyloxy => C_2H_5 + CH_2O> [C_2H_5] CH_3CH_2OO + HO_2 => CH_3CH_2OO + HO_2> [ethoxy] ethoxy => CH_3 + CH_2O> [CH_3CH_2OOH] CH_3CH_2OOH => ethoxy + OH> [ethoxy] ethoxy => CH_3 + CH_2O> [ethoxy] ethoxy => CH_3$	1.331-04
	[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 ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
395	[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 ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.59E-04
	[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 ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO>[ipropylooh]ipropylooh=>ipropylooh+ipropyl	
	[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 ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy] [npropyl]npropyloo+C ₃ H ₈ =>npropyloxy+OH >[npropylooh]npropylooh=>npropyloxy+OH	
	[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 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 ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy] [npropyl]npropyloo+C ₃ H ₈ =>npropyloxy+OH>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH 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 ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy] [npropyl]npropyloo+C ₃ H ₈ =>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	
	[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 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 ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy] [npropyl]npropyloo+C ₃ H ₈ =>npropyloxy+OH>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH 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	
	>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
397	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.55E-04
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
398	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	1.53E-04
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[CH ₂ O]CH ₂ O+HO ₂ =>HCO+H ₂ O ₂	
399	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	1.53E-04
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	$>$ [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 =>CO+HO ₂	
400	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	1.53E-04
	[npropyl]npropyloo=> $HO_2+C_3H_6>$ [C_3H_6] $C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH ₃ OO=>allyloxy+CH ₃ O>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
404	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
401	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.52E-04
	[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	
400	>[npropyloxy]npropyloxy= $>$ C ₂ H ₅ +CH ₂ O $>$ [C ₂ H ₅]C ₂ H ₅ +HO ₂ = $>$ ethoxy+OH	
402	>[ethoxy]	1.51E-04
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
400	>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
403	>[CH ₃ O]	1.51E-04

404	lem:lem:lem:lem:lem:lem:lem:lem:lem:lem:	1.51E-04
405	$ \begin{array}{l} $	1.50E-04
406	<pre>[npropyl]O₂+QOOH_1=>OH+OH+frag_1 >[frag_1]frag_1=>vinoxy+CH₂O >[CH₂O]ipropyloo+CH₂O=>ipropylooh+HCO >[ipropylooh]ipropylooh=>ipropyloxy+OH >[ipropyloxy]ipropyloxy=>CH₃+acetaldehyde >[CH₃]CH₃OO+HO₂=>CH₃OOH+O₂>[CH₃OOH]CH₃OOH=>CH₃O+OH >[CH₃O]</pre>	1.47E-04
407	[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]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]	1.47E-04
408	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O>[vinoxy]vinoxy+O₂=>CH₂O+CO+OH >[CH₂O]CH₂O+O=>HCO+OH>[HCO]</pre>	1.47E-04
409	[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+O=>HCO+OH>[HCO] [npropyl]O ₂ +npropyl=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	1.46E-04
410	>[propoxide]	1.45E-04

1	[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	
	>[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	
411	>[CH ₃ O]	1.42E-04
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	>[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]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H	
412	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	1.41E-04
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	[[151.05\1]Mc11_1 \ 211.51.04_1 \ [51.04_1]bi.04_1 \ 1148_1.011	
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+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	
	>[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	
	>[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	
413	>[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	1.40E-04
413	>[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]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	1.40E-04
413	>[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]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H	1.40E-04
413	>[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]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] [npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.40E-04 1.39E-04
	>[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]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] [npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy] [npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[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]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] [npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy] [npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl>[npropylooh]npropylooh=>npropyloxy+OH>[npropylooh]npropylooh=>npropyloxy+OH>[npropylooh]npropylooh=>npropyloxy+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]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] [npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy] [npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[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]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] [npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy] [npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl>[npropylooh]npropylooh=>npropyloxy+OH>[npropylooh]npropylooh=>npropyloxy+OH>[npropylooh]npropylooh=>npropyloxy+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]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy] [npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy] [npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	

	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>QOOH_2$	
416	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	1.37E-04
	[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	
417	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.37E-04
	[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]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	
440	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
418	>[CH ₃ O]	1.36E-04
	[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]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
419		1 255 04
419	>[formylooh]formylooh=>formyloxy+OH>[formyloxy] [npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	1.35E-04
	>[acrolein]acrolein+CH ₃ O=>CH ₂ CHCO+CH ₃ OH	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
420	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.35E-04
120	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	1.55E-04
	$>[frag_1]frag_1=>vinoxy+CH_2O>[CH_2O]CH_2O+HO_2=>HCO+H_2O_2$	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
421		1.35F-04
421	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.35E-04

	[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+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-	
422	->[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
422	>[CH ₃ O]	1.34E-04
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
423	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	1 245 04
423	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.34E-04
	[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	
424	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.33E-04
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	1.552 04
	$ \text{callyloxy} \text{allyloxy} = \text{C}_2H_4 + \text{HCO} - \text{C}_2H_4 \text{C}_2H_4 + \text{OH} = \text{CH}_2\text{CH}_2\text{OH} - \text{CH}_2\text{CH}_2\text{CH}_2\text{OH} - \text{CH}_2\text{CH}_2\text{CH}_2\text{OH} - \text{CH}_2$	
425	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	1.29E-04
		1.231 04
	[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	
426	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.29E-04
	[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	
427	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.28E-04

	[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	
428	>[CH ₃]CH ₃ +HO ₂ =>CH ₃ O+OH>[CH ₃ O]	1.24E-04
	Ingrapultual 1-2 Olluprod 1 2 Ingrad 1 prod 1-2 frog 1, Oll	
	[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_O]in regardle at CH_O $>$ in regardle at CH_O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
420	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
429	>[CH ₃]CH ₃ +HO ₂ =>CH ₃ O+OH>[CH ₃ O]	1.23E-04
	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]HO_2 + C_3H_6 = > OH + propoxide - O$	
430	>[propoxide]	1.22E-04
	[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	
	>[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	
431	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.20E-04
422	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+H=>allyl+H2	4 :
432	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.19E-04
	[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	
433	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.17E-04

	[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+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
434	>[CH ₃ O]	1.16E-04
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$>$ [ipropyl] O_2 +ipropyl= $>$ H O_2 + C_3 H $_6$ $>$ [C_3 H $_6$] C_3 H $_6$ +H O_2 = $>$ propen1ol+OH	
435	>[propen1ol]	1.16E-04
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]npropyloo+CH ₂ O=>npropylooh+HCO	
436	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.15E-04
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ H_2O	
	>[propen1yl]propen1yl+O ₂ =>acetaldehyde+HCO	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
437	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.15E-04
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + HO2 => allyl + H2O2	
	>[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	
438	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.14E-04
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
439	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.13E-04
	[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]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	
440	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.12E-04

	[npropyl]npropyloo=>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	
441	>[CH ₃ O]	1.10E-04
	[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	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
442	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.08E-04
	[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	
443	>[npropyl]well_1=>OH+prod_1>[prod_1]	1.08E-04
	[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	
444	>[frag_1]	1.07E-04
	[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	
445	>[CO]	1.07E-04
	[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 +OH= $>$ allyl+H ₂ O	
446	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.07E-04
	[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+npropyl	
447	>[npropyl]well_1=>OH+prod_1>[prod_1]	1.06E-04

	[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+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	
448	>[CO]	1.06E-04
	[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+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
449	>[frag_1]	1.06E-04
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[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	
	>[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	
450	>[CH ₃ O]	1.05E-04
	[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	
	>[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	
451	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.04E-04

	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ H_2O	
	>[propen2yl]propen2yl+O ₂ =>acetyl+CH ₂ O	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)	
452	>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	4 005 04
452	>[CH ₃ O]	1.03E-04
	<pre>[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</pre>	
	>[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	
453	>[frag_3]	1.03E-04
	[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	
454	$>$ [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]	1.03E-04
13 1	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	1.032 04
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
455	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.03E-04
	[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]C ₃ H ₈ +CH ₃ O=>npropyl+CH ₃ 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	
456	>[CO]	1.02E-04

457	$ \label{eq:control_loss} $$ [npropyl] well_1=>OH+prod_1>[prod_1] prod_1=>frag_1+OH>[frag_1] frag_1=>vinoxy+CH_2O>[CH_2O]CH_3OO+CH_2O=>CH_3OOH+HCO>[CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O]C_3H_8+CH_3O=>npropyl+CH_3OH>[npropyl] well_1=>OH+prod_1>[prod_1] prod_1=>frag_1+OH>[frag_1] $$$	1.02E-04
	[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]C ₃ H ₈ +CH ₃ O=>npropyl+CH ₃ OH	
458	>[npropyl]well_1=>OH+prod_1>[prod_1]	1.02E-04
	[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	
459	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ +HO ₂ =>CH ₃ O+OH >[CH ₃ O]	1 025 04
460	[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 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 >[CH ₃ O]	1.02E-04 9.83E-05
461	$eq:control_co$	9.83E-05
	[npropyl]well 1=>OH+prod 1>[prod 1]prod 1=>frag 1+OH	
4.00	>[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	
462	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	9.82E-05

		1
	[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	
	>[acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
463	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	9.65E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>ethenol+CH_3$	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
464	>[CH ₃ O]	9.64E-05
	[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= $>$ propen2yl+H ₂ O	
	>[propen2yl]propen2yl+O ₂ =>acetyl+CH ₂ O	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
465	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	9.63E-05
	[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	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
100	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	0
466	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	9.60E-05
467	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O OH = Allyl + OH = > all$	
467	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	9.58E-05

	[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]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
468	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	9.55E-05
	[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	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
469	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	9.48E-05
	[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 ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
470	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	9.44E-05
	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
471	>[CH ₃ O]	9.35E-05
	[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 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	
472	>[CH ₃ O]	9.33E-05

	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	[npropylooh] npropylooh n	
	>[npropyloxy]npropyloxy= $>$ C ₂ H ₅ +CH ₂ O $>$ [C ₂ H ₅]CH ₃ CH ₂ OO= $>$ C ₂ H ₄ +HO ₂	
473	$>[C_2H_4]C_2H_4+HO_2=>oxirane+OH>[oxirane]$	9.31E-05
173	[npropyl]well 1=>OH+prod 1>[prod 1]prod 1=>frag 1+OH	J.31L-03
	>[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	
	>[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	
474	>[CH ₃ O]	9.30E-05
777		9.50E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
475	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	0.205.05
475	$>[C_2H_4]C_2H_4+HO_2=>oxirane+OH>[oxirane]$	9.28E-05
	[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	
476	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ $>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ propen1ol+OH	
476	>[propen1ol]	9.25E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
	>[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]	9.21E-05
	[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	
478	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	9.20E-05

		1
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	$>[frag_1]frag_1=>vinoxy+CH_2O>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH$	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
479	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	0.105.05
473		9.19E-05
	[npropyllopropyloo] C. H>ppropyloob (ppropyl	
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl >[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O$	
	>[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	
480		0.125.05
400	>[CH ₃ O]	9.12E-05
	Incorporational 1 × Ollowers d 1 × Incorp d 11 mand 1 × Incorp d 10 mand	
	[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	
481	>[CH ₂ O]vinoxy+CH ₂ O=>frag_1>[frag_1]frag_1=>vinoxy+CH ₂ O	0.405.05
401	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	9.12E-05
	[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	
400	$>$ [frag_1]frag_1= $>$ vinoxy+CH ₂ O $>$ [vinoxy]vinoxy+O ₂ = $>$ CH ₂ O+CO+OH	
482	>[CO]	9.12E-05
	[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	
400	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
483	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	9.08E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[ipropylooh]ipropylooh=>ipropyloxy+OH	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
404	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
484	>[CH ₃ O]	9.07E-05

	[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	
405	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
485	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	9.04E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+ipropyloo=>O ₂ +ipropyloxy+ipropyloxy	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
486	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	0.025.05
400	>[CH ₃ O]	9.03E-05
	[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 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	
487	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	8.99E-05
	[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 >[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	
488	>[CH ₃ O]	8.98E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH_3$	
489	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	8.93E-05
	Ingredulities 1 × Ollingred 1 × Ingred 11 mod 1 × Ingred 11 mod 1	
	[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	
	$>[HCO]HCO+O_2=>formy peroxy$	
	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
490	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	8.84E-05
.50	- Learning and Alexander Alexander Alexander	0.04L-03

	[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-	
491	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	0.025.05
491		8.83E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]npropyloo+allyl=>npropyloxy+allyloxy$	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O$	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
492	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	8.66E-05
	[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	
493	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	8.51E-05
	[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+H=>acetyl+H ₂	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
494	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	8.50E-05
	[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	
495	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO >[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	8.50E-05

	[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+OH	
	>[ethoxy]ethoxy=>CH ₃ +CH ₂ O>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
496	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	8.43E-05
	[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 = $>$ OH+propoxide	
497	>[propoxide]	8.34E-05
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[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+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
498	>[CH ₃ O]	8.33E-05
	[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+O ₂ =>vinoxy+CO ₂	
499	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	8.28E-05
	[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	
500	>[formylooh]formylooh=>formylooy+OH >[formylooh]	0 125 05
300	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	8.12E-05

	7	1
	[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]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
501	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	8.10E-05
	[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]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
502	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	8.07E-05
	[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	
	>[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	
503	>[CO]	7.98E-05
	[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	
504	>[CO]	7.96E-05
	[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	
505	>[npropyl]well_1=>OH+prod_1>[prod_1]	7.95E-05

	[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	
506	>[npropyl]well_1=>OH+prod_1>[prod_1]	7.95E-05
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
507	>[frag_1]frag_1=>vinoxy+CH ₂ O>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	7.055.05
307	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂] [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	7.95E-05
	>[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	
508	>[frag_1]	7.95E-05
	[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	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
509	>[frag_1]	7.94E-05
	[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	
F40	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[HCO]HCO+O ₂ =>CO+HO ₂	
510	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	7.93E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy >[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
511	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	7.85E-05
	[npropyl]npropyl=>CH ₃ +C ₂ H ₄ >[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	
512	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	7.84E-05

	[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]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
513	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	7.81E-05
	[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	
514	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	7.80E-05
	[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	
E4E	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
515	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	7.80E-05
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
F16	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
516	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	7.77E-05
	[npropyl]O ₂ +QOOH_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
E 4 7	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
517	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	7.76E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
E 4 0	>[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	
518	>[propoxide]	7.72E-05

	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[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	
519	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	7.69E-05
	ferige and angle and feriged	7.032 03
	[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+CH ₂ O=>CH ₃ OOH+HCO	
520	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	7.65E-05
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
521	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	7.64E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
522	>[npropyloxy]npropyloxy= $>$ C ₂ H ₅ +CH ₂ O $>$ [C ₂ H ₅]C ₂ H ₅ +O ₂ = $>$ oxirane+OH $>$ [oxirane]	7.615.05
322		7.61E-05
	[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	
523	>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+HO ₂ =>CO ₂ +OH+H>[CO ₂]	7.59E-05
	[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	
524	>[HCO]HCO+HO ₂ =>CO ₂ +OH+H>[CO ₂]	7.58E-05
	[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=>acetaldehyde+H	
525	>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	7.555.05
525	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	7.55E-05

	[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]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	
526	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	7.54E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$>$ [ipropyl] O_2 +ipropyl= $>$ H O_2 + C_3 H $_6$ $>$ [C_3 H $_6$] C_3 H $_6$ +H O_2 = $>$ allyl+H $_2$ O $_2$	
527	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	7.50E-05
528	[npropyl]O ₂ +QOOH_1=>OH+prod_3>[prod_3]	7.49E-05
	[npropyl]O ₂ +QOOH_1=>OH+prod_3>[prod_3]prod_3=>frag_3+OH	
529	>[frag_3]	7.49E-05
	[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 = $>$ oxirane+OH	
530	>[oxirane]	7.31E-05
	[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	
531	>[oxirane]	7.30E-05
	[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	
	>[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	
532	>[CH ₃ O]	7.18E-05

	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	>[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]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
533	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	7.17E-05
	[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	
	>[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	
534	>[CH ₃ O]	7.17E-05
	[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	
535	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	7.14E-05
	[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	
536	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	7.025.05
330	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	7.03E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy >[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
537	>[CH ₃ O]	7.025.05
337		7.03E-05
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O</pre>	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
538	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	7 015 05
550	\[\langle \la	7.01E-05

		i
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	$>[frag_1]frag_1=>vinoxy+CH_2O>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH$	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
539	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	6.99E-05
	[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	
540	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	6.97E-05
	[ppropul]ppropulac=>1 Q +C	
	[npropyl]npropyloo=> $HO_2+C_3H_6$ >[C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh>[allyl]allyl+ HO_2 =>prod_2	
541	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	C 0CE 0E
341	[npropyl]npropyloo=>HO2+C3H6->[C3H6]C3H6+OH=>allyl+H2O	6.96E-05
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
542	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.89E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
543	>[ipropyl]ipropyloo=>OH+propoxide>[propoxide]	6.86E-05
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[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	
544	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	6.82E-05
	[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 =>CH ₂ OH+O ₂ >[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	
545	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	6 705 05
J4J	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.70E-05

	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
	>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
546	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.69E-05
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	0.032 03
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[CH ₂ O]CH ₂ O+HO ₂ =>CH ₂ OH+O ₂	
	>[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
547	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.69E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+npropyl	
548	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	6.67E-05
	[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+acetylperoxy=>acetyl+CH ₃ CO ₃ H	
549	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	6.66E-05
	[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1	
	>[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	
550	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	6.66E-05
	[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+acetylperoxy=>acetyl+CH ₃ CO ₃ H	
551	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	6.65E-05

	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O$	
	>[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 +OH= $>$ allyl+H ₂ O	
552	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	6.53E-05
	[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+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
553	>[CH ₃ O]	6.52E-05
	[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+acetylperoxy=>HCO+CH ₃ CO ₃ H	
554	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	6.40E-05
	[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	
555	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	6.36E-05
333	r [remyleen] remyleky rem r [remyleky]	0.501-05
	[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 =>formylperoxy	
	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	6.0==.6=
556	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	6.35E-05
	[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	
557	>[frag_3]	6.34E-05

	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[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	
558	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.32E-05
	[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 =>CO+HO ₂	
559	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	6.29E-05
	[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	
F.C.O.	>[CH ₂ O]ipropyloo+CH ₂ O= $>$ ipropylooh+HCO- $>$ [HCO]HCO+O ₂ = $>$ CO+HO ₂ - $>$ [CO]	
560	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	6.27E-05
	[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	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
F.64	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
561	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	6.21E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+C ₃ H ₈ =>CH ₃ CH ₂ OOH+ipropyl	
562	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	6.19E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ H_2O	
	> [propen2yl] propen2yl+O2=>acetyl+CH2O	
	>[acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
563	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	6.13E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $	
564	>[propoxide]	6.08E-05

	[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	
	>[CH2CHCO]CH2CHCO=>C2H3+CO>[C2H3]C2H3+O2=>O+vinoxy	
565	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	6.07E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>C_2H_4+CH_3$	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
566	>[CH ₃ O]	6.07E-05
	[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=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
567	>[allyloxy]	6.06E-05
	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + HO_2 = > allyl + H_2O_2 $	
568	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	6.06E-05
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]H + C3H6 => ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
569	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	6.05E-05
	[naranyl]naranylaa (C.H> naranylaah (naranyl	
	[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= $>$ HO ₂ +C ₃ H ₆ $>$ [C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ allyl+H ₂ O ₂	
570	$>[allyl]allyl+HO_2=>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]$	5.99E-05
370		3.33L 03
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH ₃ OO=>allyloxy+CH ₃ O>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
571	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.98E-05
	[npropyl]QOOH_1=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	
572	>[propoxide]	5.93E-05

	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[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	
579	>[CH ₃ O]	5.67E-05
	[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=>npropyl+formylooh	
580	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	5.61E-05
	[npropyllyyoll 1-20] prod 1 2 [prod 1] prod 1-2 frog 1 10]	
	[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	
	>[CH2O]CH2O+HO2=>HCO+H2O2>[HCO]HCO+O2=>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>npropyl+formylooh	
581	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	5.61E-05
001	[[[[[[[[[[[[[[[[[[[J.01L 0J
	[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	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
582	>[C ₂ H ₄]C ₂ H ₄ +HO ₂ =>oxirane+OH>[oxirane]	5.60E-05
	[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	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
583	$>[C_2H_4]C_2H_4+HO_2=>oxirane+OH>[oxirane]$	5.58E-05
_	[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 ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
584	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	5.56E-05

	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]CH_3CH_2OO=>C_2H_4+HO_2$	
585	$>[C_2H_4]C_2H_4+HO_2=>oxirane+OH>[oxirane]$	5.44E-05
	$[npropyl]O_2+npropyl=>HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH_2$	
586	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	5.43E-05
	[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	
	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
587	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	5.43E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
588	>[C ₂ H ₄]C ₂ H ₄ +HO ₂ =>oxirane+OH>[oxirane]	5.38E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>$ [C_3H_6] $C_3H_6+HO_2=>$ propen1ol+OH	
F.0.0	>[propen1ol]propen1ol+HO ₂ =>CH ₂ O+C ₂ H ₃ +H ₂ O ₂	
589	>[C ₂ H ₃]C ₂ H ₃ +O ₂ =>O+vinoxy>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	5.32E-05
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy+O ₂ =>acrolein+HO ₂	
Γ00	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	5 005 05
590	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.29E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ H_2O	
	>[propen1yl]propen1yl+O ₂ =>acetaldehyde+HCO	
E01	>[acetaldehyde]CH ₃ OO+acetaldehyde=>CH ₃ OOH+acetyl	5.045.05
591	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.21E-05
	[parapully of 1-x10 parad 2 x [and 2] and 2 x albitrary Of	
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
E02	>[allyloxy]vinoxylmethyl= $>$ C ₂ H ₃ +CH ₂ O>[C ₂ H ₃]C ₂ H ₃ +O ₂ = $>$ O+vinoxy	F 1FF 0F
592	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	5.15E-05

593	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH>[propen1ol]propen1ol+OH=> $CH_2O+C_2H_3+H_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	5.08E-05
594	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O>[$ propen2yl]propen2yl+ $O_2=>$ acetyl+ $CH_2O>[$ acetyl]acetyl(+ M)=> $CH_3+CO(+M)>[CH_3]CH_3OO+C_3H_8=>CH_3OOH+i$ propyl	5.005.05
594	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	5.08E-05
595	[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+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]	5.04E-05
596	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>C ₂ H ₃ +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]	5.04E-05
597	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>C ₂ H 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]	5.02E-05
598	$ [npropyl] npropyloo => 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 OO + OH - > [ethoxy] $	5.01E-05

	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
599	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.95E-05
	[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	
600	>[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	4.95E-05
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
604	$>[C_3H_6]C_3H_6+ipropyloo=>allyl+ipropylooh>[allyl]allyl+HO_2=>prod_2$	
601	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	4.90E-05
	[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	
600	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ = $>$ OH+propoxide	
602	>[propoxide]	4.86E-05
	[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 ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
	>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
603	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.85E-05
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	4.0JL-UJ
	>[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	
	>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
604	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.83E-05

	[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]npropyloo+acetaldehyde=>npropylooh+acetyl	
605	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.80E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
606	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	4.78E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[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	
607	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.75E-05
	[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 ₂ H ₄ +HO ₂	
	$>[C_2H_4]H+C_2H_4(+M)=>C_2H_5(+M)$	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
608	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.75E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh	
609	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.72E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
	$>[C_2H_4]H+C_2H_4(+M)=>C_2H_5(+M)$	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
610	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.71E-05
	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy= $>$ C ₂ H ₃ +CH ₂ O $>$ [C ₂ H ₃]C ₂ H ₃ +O ₂ = $>$ O+vinoxy	
611	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.69E-05

	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
612	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.69E-05
	[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-	
612	->[CH ₂ O]CH ₂ O+formylperoxy=>HCO+formylooh	4 675 65
613	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	4.67E-05
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
614	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	4.675.05
014	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.67E-05
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH ₂ O>[CH ₂ O]C ₂ H ₅ +CH ₂ O=>npropyloxy	
	$>[npropyloxy]$ npropyloxy= $>C_2H_5+CH_2O-$	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
615	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.64E-05
013	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	4.04E-03
	[ipropyl]ipropyloo->HO2+C3H6->[C3H6]H+C3H6->ipropyloo+>[ipropyl]ipropyloo+CH3CH2OO=>ipropyloxy+ethoxy+O2	
	>[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	
616	>[CH ₃ O]	4.63E-05
010		4.03E-03
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[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	
617	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.63E-05
01/	$ \sim [VIIIOXY] VIIIOXY + O_2 - > C \cap_2 O + C O + O \cap_2 - > [CO]$	4.b3E-U5

[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +OH=>propen1yl+H ₂ O>[propen1yl]propen1yl+O ₂ =>acetaldehyde+HCO>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂ >[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ OOH]CH ₃ OOH=>CH ₃	51E-05
>[propen1yl]propen1yl+O ₂ =>acetaldehyde+HCO >[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 619 >[CH ₃ O] 4.5 [npropyl]npropyloo=>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 >[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂ 620 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO] 4.5 [npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl >[ipropyl]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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[propen1yl]propen1yl+O ₂ =>acetaldehyde+HCO >[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 619 >[CH ₃ O] 4.5 [npropyl]npropyloo=>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 >[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂ 620 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO] 4.5 [npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl >[ipropyl]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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[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 619 >[CH ₃ O] 4.5 [npropyl]npropyloo=>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 >[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂ >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO] 4.5 [npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl >[ipropyl]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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] 4.5 [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[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 619 >[CH ₃ O] 4.5 [npropyl]npropyloo=>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 >[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂ >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO] 4.5 [npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl >[ipropyl]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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] 4.5 [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH >[CH ₃ 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]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 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO] [npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl >[ipropyl]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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
[npropyl]npropyloo=>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 >[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂ [npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl >[ipropyl]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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
[npropyl]npropyloo=>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 >[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂ >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO] [npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl >[ipropyl]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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[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 [vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO] [npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl >[ipropyl]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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	7E-05
>[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 [npropyl]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO] [npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl >[ipropyl]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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
$ > [acrolein] acrolein + HO_2 = > CH_2CHCO + H_2O_2 - \\ > [CH_2CHCO] CH_2CHCO + O_2 = > vinoxy + CO_2 - \\ > [vinoxy] vinoxy + O_2 = > CH_2O + CO + OH > [CO] $	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂ >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO] [npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl >[ipropyl]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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
$[npropyl]npropyloo=>HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl\\>[ipropyl]ipropyloo+CH_3CH_2OO=>ipropyloxy+ethoxy+O_2\\>[ethoxy]ethoxy=>CH_3+CH_2O>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2\\>[CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O]$ $[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH$	
>[ipropyl]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 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] 4.5 [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	3E-05
>[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] 4.5 [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
621 >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] 4.5 [npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	3E-05
Slfrag 1]frag 1=>vinovv+CH.O	
[[ndg_1]ndg_1=>vinoxy+cm 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 ₂ O+formylperoxy=>HCO+formylooh	
622 >[formylooh]formylooh=>formyloxy+OH>[formyloxy] 4.5	1E-05
[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+H=>allyl+H2	
623 > [allyl]allyl+HO2 = > allyloxy+OH> [allyloxy] 4.4	9E-05
[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyloxy]allyloxy=>C ₂ H ₃ +CH ₂ O	
>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
624 >[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy] 4.4	

	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
625	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O>[C ₂ H ₅]C ₂ H ₅ +O ₂ =>oxirane+OH >[oxirane]	4 445 05
023		4.44E-05
	$[npropyl]O_2+npropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]npropyloo+allyl=>npropyloxy+allyloxy$	
	$>[npropyloxy]$ npropyloxy=> $C_2H_5+CH_2O$	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
626	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.44E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	1.112 03
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
627	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.43E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>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	
628	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.42E-05
	[npropyl]npropyloo=>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	
629	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	4.36E-05
	[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	
620	>[acetaldehyde]acetaldehyde+OH=>vinoxy+H ₂ O	4.225.05
630	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.33E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+CH ₃ OO=>ipropyloxy+CH ₃ O+O ₂	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
621	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	4.005.05
631	>[CH ₃ O]	4.33E-05
622	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>$ npropyl	
632	>[npropyl]npropyloo=>OH+propoxide>[propoxide]	4.31E-05

	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>prod_2>[prod_2]prod_2=>allyloxy+OH$	
	>[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	
633	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.31E-05
	[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+O ₂ =>acetaldehyde+HO ₂	
	>[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	
634	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	4.28E-05
	[npropyl]O2+npropyl=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH	
635	>[CO]	4.25E-05
	[npropyl]O2+npropyl=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
636	>[frag_1]	4.25E-05
	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]H + C_3H_6 = > npropyl - $	
637	>[npropyl]well_1=>OH+prod_1>[prod_1]	4.24E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
(20	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	4.405.05
638	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.19E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ H_2O	
	[propen2yl]propen2yl+O ₂ =>acetyl+CH ₂ O	
	>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
639	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	4.19E-05
	[npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>OH+prod_5	
640	>[prod_5]prod_5=>frag_5+OH>[frag_5]	4.18E-05

	[npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>OH+prod_5	
641	>[prod_5]	4.18E-05
	[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	
	$>[ipropyl]ipropyloo=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
642	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	4.12E-05
	[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	
643	>[frag_3]	4.12E-05
	[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	
	>[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	
644	>[CH ₃ O]	4.10E-05
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	$>[frag_1]frag_1 = vinoxy + CH_2O>[CH_2O]CH_2O + HO_2 = > CH_2OH + O_2$	
	>[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
645	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	4.10E-05
	[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	
646	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.09E-05
	[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	
647	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	4.09E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
648	>[ipropyl]O ₂ +ipropyl=>OH+propoxide>[propoxide]	4.01E-05

	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
649	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	4.00E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ propen1ol+OH	
650	>[propen1ol]	4.00E-05
	Ingrapultual 1-2011 prod 1 2 prod 1 prod 1-2 frog 1 1011	
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O>[vinoxy]vinoxy+O₂=>CH₂O+CO+OH</pre>	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[npropylooh]npropylooh=>npropyloxy+OH >[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
651	$>[C_2H_5]C_2H_5+O_2=>acetaldehyde+OH>[acetaldehyde]$	2.075.05
031		3.97E-05
	[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	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O$	
652	$>[C_2H_5]C_2H_5+O_2=>acetaldehyde+OH>[acetaldehyde]$	3.97E-05
032		5.97E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
652	>[CH ₃]CH ₃ OO+C ₃ H ₈ =>CH ₃ OOH+ipropyl	2.045.05
653	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.94E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>$ npropyl	
05.4	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
654	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.93E-05
	[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]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	
655	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.88E-05

SECH SECH	OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂ DOJCH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO DOJCH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O] OPYI]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH DOJCH ₂ O=>Vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH DOJCH ₂ O+H+M=>CH ₂ OH+M>[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂ DOJCH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	3.86E-05
656 >[CH	ppyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH g_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH l ₂ O]CH ₂ O+H+M=>CH ₂ OH+M>[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	3.86E-05
[npro >[fra >[CH >[CH >[npro >[ipr >[ipr >[ace >[cH >[ch >[ch >[ch >[ch >[ch >[ch >[ch >[ch	opyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH g_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH l ₂ O]CH ₂ O+H+M=>CH ₂ OH+M>[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	3.86E-05
>[fra >[CH >[CH >[CH >[CH >[fra][fra >[fra >[fra >[fra >[fra >[fra >[fra >[fra][fra >[fra >[fra][fra >[fra >[fra][fra][fra][fra >[fra][fra][fra >[fra][fra][fra][fra >[fra][fra][fra][fra >[fra][fra][fra][fra][fra >[fra][fra][fra >[fra][fra][fra][fra][fra][fra][fra][fra >[fra][fra][fra][fra][fra][fra][fra][fra >[fra][fra][fra	g_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH 2O]CH ₂ O+H+M=>CH ₂ OH+M>[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	
>[fra >[CH >[CH >[CH >[CH >[fra][fra >[fra >[fra >[fra >[fra >[fra >[fra >[fra][fra >[fra >[fra][fra >[fra >[fra][fra][fra][fra >[fra][fra][fra >[fra][fra][fra][fra >[fra][fra][fra][fra >[fra][fra][fra][fra][fra >[fra][fra][fra >[fra][fra][fra][fra][fra][fra][fra][fra >[fra][fra][fra][fra][fra][fra][fra][fra >[fra][fra][fra	g_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH 2O]CH ₂ O+H+M=>CH ₂ OH+M>[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	
>[fra >[CH >[CH >[CH >[CH >[fra][fra >[fra >[fra >[fra >[fra >[fra >[fra >[fra][fra >[fra >[fra][fra >[fra >[fra][fra][fra][fra >[fra][fra][fra >[fra][fra][fra][fra >[fra][fra][fra][fra >[fra][fra][fra][fra][fra >[fra][fra][fra >[fra][fra][fra][fra][fra][fra][fra][fra >[fra][fra][fra][fra][fra][fra][fra][fra >[fra][fra][fra	g_1]frag_1=>vinoxy+CH ₂ O>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH 2O]CH ₂ O+H+M=>CH ₂ OH+M>[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	
>[CH >[CH	² O]CH ₂ O+H+M=>CH ₂ OH+M>[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	
>[CH		
657 >[CH [npro	2 - 3	
>[fra >[CH >[ipr >[ace >[CH]	₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.85E-05
>[CH >[ipr >[ipr >[ace >[ace >[CH >[cH >[ace >[CH >[cH >[cH [npro	opyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
>[ipr >[ipr >[ace >[ace >[CH >[npro >[ace >[CH >[ace >[CH >[ace >[CH [npro	g_1]frag_1=>vinoxy+CH ₂ O	
>[ipr >[ace >[ace >[cH >[pro >[pro >[ace >[CH >[cH >[cH = [npro	<mark>₂O]</mark> ipropyloo+CH ₂ O=>ipropylooh+HCO	
>[ace >[cH	opylooh]ipropylooh=>ipropyloxy+OH	
>[ace >[CH	opyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
658 >[CH	etaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
[npro >[pro >[ace >[CH >[ace >[CH 559 >[CH	etyl]acetaldehyde+acetylperoxy=>acetyl+CH ₃ CO ₃ H	
>[pro >[ace >[CH >[ace >[CH 659 >[CH	₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	3.83E-05
>[pro >[ace >[CH >[ace >[CH 659 >[CH	$\frac{\text{opyl]} \text{npropyloo} = \text{>HO}_2 + \text{C}_3 \text{H}_6 - \text{->} \left[\text{C}_3 \text{H}_6 \right] \text{C}_3 \text{H}_6 + \text{OH} = \text{>propen2yl} + \text{H}_2 \text{O} - \text{OH}_2 $	
>[ace >[CH >[ace >[CH 659 >[CH	$\frac{\text{open2yl}}{\text{propen2yl}} + O_2 = \text{acetyl} + CH_2O - \frac{1}{2}$	
>[CH >[ace >[CH 659 >[CH	etyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
>[ace >[CH 659 [npro	I_3CO_3H]CH ₃ CO ₃ H=>acetyloxy+OH	
>[CH >[CH [npro	etyloxy]acetyloxy+M=>CH ₃ +CO ₂ +M	
659 >[CH	etyloxy acetyloxy ivi a engineerin	
[npro	- CH_0O+HO=>CH_0OH+O=->[CH_0OH]CH_0OH=>CH_0+OH	3.82E-05
	₃ CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	3.021 03
1>1111	J ₃ O]	
	opyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	1
	opyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl ropylooh]npropylooh=>npropyloxy+OH	
	opyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl ropylooh]npropylooh=>npropyloxy+OH ropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
660 >[ally	opyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl ropylooh]npropylooh=>npropyloxy+OH	

.		
	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > propen2yl + H_2O - OH = Propen2yl + H_2OH + H_2$	
	>[propen2yl]propen2yl+O ₂ =>acetyl+CH ₂ O	
	>[acetyl]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
661	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.79E-05
[[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
662	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.79E-05
[[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +CH ₃ OO=>allyl+CH ₃ OOH	
663	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.79E-05
[[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl	
	>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.79E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>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]acetyl(+M)=>CH ₃ +CO(+M)>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
		2 775 05
	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.77E-05
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>C ₂ H ₃ +CH ₂ O	
	> <mark>[CH₂O]</mark> ipropyloo+CH ₂ O=>ipropylooh+HCO	
666	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.77E-05
	[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=>C ₂ H ₃ +CO>[C ₂ H ₃]C ₂ H ₃ +O ₂ =>O+vinoxy	
667	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.77E-05

	[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	
668	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.76E-05
	[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+acetylperoxy=>HCO+CH ₃ CO ₃ H	
669	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	3.74E-05
	[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	
670	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	3.70E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh	
671	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.63E-05
	[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	
672	>[npropyloxy]npropyloxy= $>$ C ₂ H ₅ +CH ₂ O $>$ [C ₂ H ₅]CH ₃ CH ₂ OO= $>$ C ₂ H ₄ +HO ₂	2 505 05
672	>[C ₂ H ₄]C ₂ H ₄ +HO ₂ =>oxirane+OH>[oxirane]	3.59E-05
	In a second to the second of t	
	[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	
672	>[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 ₄ H ₁ C ₄ H ₂ O ₄ - $>$ [C ₄ H ₃ C ₄ H ₂ O ₅ - $>$ [C ₄ H ₅]CH ₃ CH ₂ OO= $>$ C ₂ H ₄ +HO ₂ $>$ [C ₄ H ₅]CH ₃ CH ₂ OO= $>$ C ₄ H ₄ +HO ₂ $>$ [C ₄ H ₅]CH ₃ CH ₂ OO= $>$ C ₅ H ₄ +HO ₂ $>$ [C ₆ H ₅]CH ₃ CH ₂ OO= $>$ C ₇ H ₄ +HO ₂ $>$ [C ₇ H ₅]CH ₃ CH ₂ OO= $>$ C ₈ H ₄ +HO ₂ $>$ [C ₈ H ₅]CH ₃ CH ₂ OO= $>$ C ₈ H ₄ +HO ₂ $>$ [C ₈ H ₅]CH ₃ CH ₂ OO= $>$ C ₉ H ₄ +HO ₂ $>$ [C ₈ H ₅]CH ₃ CH ₂ OO= $>$ C ₉ H ₄ +HO ₂ $>$ [C ₈ H ₅]CH ₃ CH ₂ OO= $>$ C ₉ H ₄ +HO ₂ $>$ [C ₈ H ₅]CH ₃ CH ₂ OO= $>$ C ₉ H ₄ +HO ₂ $>$ [C ₈ H ₅]CH ₃ CH ₂ OO= $>$ C ₉ H ₄ +HO ₂ $>$ [C ₈ H ₅]CH ₃ CH ₂ OO= $>$ C ₉ H ₄ +HO ₂ $>$ [C ₈ H ₅]CH ₃ CH ₂ OO= $>$ C ₉ H ₄ +HO ₂ $>$ [C ₈ H ₅ CH ₂ OO= $>$ C ₉ H ₅ CH ₂ OO= $>$ C ₉ H ₄ +HO ₂ $>$ [C ₈ H ₅ CH ₂ OO= $>$ C ₉ H ₅ OO= $>$ C ₉ H ₅ CH ₂ OO= $>$ C ₉ CH ₂ OO= $>$ C ₉ H ₅ CH ₂ OO= $>$ C ₉	3 505 05
673	>[C ₂ H ₄]C ₂ H ₄ +HO ₂ =>oxirane+OH>[oxirane]	3.59E-05

	[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]C ₃ H ₈ +formylperoxy=>npropyl+formylooh	
674	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	3.57E-05
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	0.072 00
	>[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=>npropyl+formylooh	
675	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	3.57E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[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	
676	>[CH ₃ O]	3.56E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
	>[ipropyloo]ipropyloo+HO ₂ =>ipropylooh+O ₂	
677	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.54E-05
	[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=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
678	>[allyloxy]	3.54E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH ₃ OO=>allyloxy+CH ₃ O>[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	
679	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.54E-05

	[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	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
680	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.52E-05
	[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 CH ₂ OOH	
681	>[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	3.51E-05
	[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 CH ₂ OOH	
682	>[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	3.51E-05
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	$>[frag_1]frag_1 = vinoxy + CH_2O>[CH_2O]CH_2O + HO_2 = > CH_2OH + O_2$	
	>[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
683	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.43E-05
	[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 =>CH ₂ OH+O ₂ >[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
684	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.43E-05

	[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+M=>CH ₂ OH+M	
	>[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
685	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	3.39E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
686	>[C ₂ H ₅]C ₂ H ₅ +O ₂ =>acetaldehyde+OH>[acetaldehyde]	3.38E-05
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
687	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.36E-05
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + O => ketene + CH3 + H	
	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
688	>[CH ₃ O]	3.34E-05
	[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	
689	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	3.34E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[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	
690	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	3.31E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH ₃ OO=>allyloxy+CH ₃ O>[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	
691	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.31E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[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+HCO	
692	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.27E-05

	[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]C ₃ H ₈ +formylperoxy=>npropyl+formylooh	
693	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	3.25E-05
	, , , , , , , , , , , , , , , , , , , ,	3.232 03
	[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]C ₃ H ₈ +formylperoxy=>npropyl+formylooh	
694	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	3.24E-05
	[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]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	
695	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.24E-05
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[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	
696	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.22E-05
	[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	
607	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH	2 245 25
697	>[frag_3]	3.21E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
698	>[allyloxy]allyloxy= $>$ C ₂ H ₃ +CH ₂ O $>$ [C ₂ H ₃]C ₂ H ₃ +O ₂ = $>$ O+vinoxy $>$ [VinoxylvinoxyLO = $>$ CH OLCOLOH $>$ [CO]	2 245 05
030	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.21E-05

	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[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	
699	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.19E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ H_2O	
	>[propen2yl]propen2yl+O ₂ =>acetyl+CH ₂ O	
700	>[CH ₂ O]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO	
700	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	3.19E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+H=>allyl+H2	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
701	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
701	>[CH ₃ O]	3.12E-05
	[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+CH ₂ O=>ipropylooh+HCO	
702	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	3.12E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
703	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO->[C_2H_3]C_2H_3+O_2=>O+vinoxy-$	2 445 05
703	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.11E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>CH_2CH_2OOH$	
704	>[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	3.11E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	3.112 03
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+ipropyl$	
705	>[propen1ol]	3.05E-05
	1	3.032 03

	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
706	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	3.02E-05
	[npropyl]npropyloo=>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	
707	>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
707	>[CH ₃ O]	3.01E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
700	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
708	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	3.00E-05
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
709	>[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+HO ₂ =>CO ₂ +OH+H>[CO ₂]	2 005 05
703		3.00E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
	$[ipropyl]ipropyloo=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
710	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.00E-05
7 10	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	3.002 03
711	>[HCO]HCO+HO ₂ =>CO ₂ +OH+H>[CO ₂]	2.99E-05
	$[\frac{\text{npropyl}}{\text{npropyloo}} + C_3H_6 - [C_3H_6]H + C_3H_6 = \text{npropyl} - C_3H_6 - [C_3H_6]H + C_3H_6 - [C_3H_6]H$	
	>[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
712	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.99E-05
	[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+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	
713	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.98E-05

	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]npropyloo+allyl=>npropyloxy+allyloxy$	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
714	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.94E-05
	[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=>HOCH ₂ OO	
	>[HOCH ₂ OO]HOCH ₂ OO+HO ₂ =>HOCH ₂ OOH+O ₂	
715	>[HOCH ₂ OOH]HOCH ₂ OOH=>HOCH ₂ O+OH>[HOCH ₂ O]	2.89E-05
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
	$>[frag_1]frag_1 = vinoxy + CH_2O>[CH_2O]CH_2O + HO_2 = > OCH_2OOH$	
	>[OCH ₂ OOH]OCH ₂ OOH=>HOCH ₂ OO	
	>[HOCH ₂ OO]HOCH ₂ OO+HO ₂ =>HOCH ₂ OOH+O ₂	
716	>[HOCH ₂ OOH]HOCH ₂ OOH=>HOCH ₂ O+OH>[HOCH ₂ O]	2.89E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]allyl+CH ₃ OO= $>$ allyloxy+CH ₃ O- $>$ [CH ₃ O]CH ₃ O+O ₂ = $>$ CH ₂ O+HO ₂ - $>$ [CH ₂ O]CH ₃ O+O ₂ = $>$ CH ₂ O+HO ₂ - $>$ [CH ₂ O]CH ₃ O+O ₂ O+O ₂ = $>$ CH ₂ O+O ₂	
717	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	0.005.05
717	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.89E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
718	>[C ₂ H ₅]CH ₃ CH ₂ OO=>CH ₂ CH ₂ OOH	2 005 05
710	>[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	2.89E-05
	$[npropyl]npropyloo=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH	
710	$>[allyloxy]allyloxy=>C_2H_3+CH_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	2 075 05
719	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.87E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>$ npropyl	
720	>[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	2.075.05
720	>[allyloxy]	2.87E-05

	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
721	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.87E-05
	[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]npropyloo+CH ₂ O=>npropylooh+HCO	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>npropyl+formylooh	
722	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.86E-05
,	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	2.802 03
	>[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=>npropyl+formylooh	
723	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.85E-05
	[npropyl] npropyloo => HO2 + C3H6> [C3H6] C3H6 + OH => allyl + H2O	
	>[allyl]allyl+CH ₃ OO= $>$ allyloxy+CH ₃ O- $>$ [CH ₃ O]CH ₃ O+M= $>$ CH ₂ O+H+M- $>$	
704	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
724	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.85E-05
	$[npropyl]O_2 + npropyl = > 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	
725	>[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]	2.83E-05
	[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+OH= $>$ HCO+H ₂ O $>$ [LICO]LICO $>$ $>$ formula area $>$	
	>[HCO]HCO+O ₂ =>formylperoxy	
726	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	2.625.65
726	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.80E-05

	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ H_2O	
	>[propen2yl]propen2yl+O ₂ =>acetyl+CH ₂ O	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
727	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.79E-05
	[npropyl]npropyloo=>HO2+C3H6->[C3H6]C3H6+HO2=>allyl+H2O2	
	>[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	
728	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.79E-05
	[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	
	$>[C_2H_4]H+C_2H_4(+M)=>C_2H_5(+M)$	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
729	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.77E-05
	[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+M=>CH ₂ OH+M	
	>[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
730	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.76E-05
	[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=>acetaldehyde+H	
731	>[acetaldehyde]acetaldehyde+OH=>vinoxy+H ₂ O	2.765.05
/31	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.76E-05
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O</pre>	
	>[Hag_1]Hag_1=>VIIIOXY+CH ₂ O >[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
	>[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+OH=>vinoxy+H ₂ O	
732	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2 76E 0E
154	/[VIIIOAY]VIIIOAYTO2-/CI12OTCOTOI1/[CO]	2.76E-05

	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
	$>[C_2H_4]H+C_2H_4(+M)=>C_2H_5(+M)$	
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
733	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.76E-05
	[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=>npropyl+formylooh	
734	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.75E-05
	[npropyl]O ₂ +QOOH_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
735	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.73E-05
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
736	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.72E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH_2$	
737	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	2.70E-05
	[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	
738	>[npropyl]npropyloo=>OH+propoxide>[propoxide]	2.66E-05
	[npropyl]O2+npropyl=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
	>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
739	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.66E-05
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
740	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.64E-05

	Te 19 1	
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>$ 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+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
741	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.63E-05
	[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	
	>[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	
742	>[CH ₃ O]	2.63E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>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	
743	>[CH ₃ O]	2.58E-05
743	Z[CH₃O]	2.58E-U5
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	$ \cdot _{allyl} _{allyl+CH_3OO}=$ $ \cdot _{allyloxy+CH_3O>[allyloxy]} _{allyloxy=>C_2H_3+CH_2O}$	
744		2 5 6 5 0 5
744	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	2.56E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	$ \text{callyl} = \text{callyl} + \text{cH}_3 + $	
745	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	0.505.05
745	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.53E-05
	[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	
1	>[acetaldehyde]acetaldehyde+OH=>vinoxy+H ₂ O	
746	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	

	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H$	
747	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	0.405.05
747	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.46E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ $H_2O>$ [propen2yl]propen2yl+ $O_2=>$ acetyl+ $CH_2O>$	
	>[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	
748	>[CH ₃ O]	2.45E-05
749	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>allyl+OH>[allyl]$	2.43E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>$ 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	
750	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.43E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
751	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	2 425 05
/31	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.42E-05
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
752	>[C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh	2 425 05
732	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	2.42E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>$ npropyl	
	>[npropyl]npropyloo+CH ₃ CH ₂ OO=>npropyloxy+ethoxy+O ₂	
753	>[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]	2 /15 05
133	-[CH3OOH]CH3OOH	2.41E-05

	[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	
	$>[ipropyl]ipropyloo=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
754	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	2.41E-05
		21.122.00
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ H_2O	
	>[propen2yl]propen2yl+O ₂ =>acetyl+CH ₂ O	
	>[acetyl]CH ₂ O+acetylperoxy=>HCO+CH ₃ CO ₃ H	
755	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	2.41E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
75.0	>[npropyloxy]npropyloxy= $>$ C ₂ H ₅ +CH ₂ O>[CH ₂ O]CH ₂ O+OH= $>$ HCO+H ₂ O	
756	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	2.40E-05
	[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	
	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
757	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.38E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[allyloxy]allyloxy= $>$ C ₂ H ₃ +CH ₂ O $>$ [C ₂ H ₃]C ₂ H ₃ +O ₂ = $>$ O+vinoxy	
758	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.37E-05
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O>[vinoxy]vinoxy+O₂=>CH₂O+CO+OH</pre>	
	>[CH2O]CH2O+OH=>HCO+H2O>[HCO]HCO+O2=>formylperoxy	
	>[formylperoxy]formylperoxy=>HCO+O ₂	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
759	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.37E-05

760	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+CH_3OO=>allyloxy+CH_3O>[CH_3O]CH_3O+M=>CH_2O+H+M>[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH>[ethoxy]$	2.36E-05
	[Stigetize ettjettgettizetti vettlekytetti vettlekyt	2.302 03
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$[\text{propyl}]$ ipropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+H=>allyl+H_2$	
761	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.35E-05
	[npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>HO ₂ +prod_6	
762	>[prod_6]prod_6=>propen1oxy+OH>[propen1oxy]	2.35E-05
702	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	2.33L-03
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +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	
763	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.31E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ H_2O	
	>[propen2yl]propen2yl+O ₂ =>acetyl+CH ₂ O	
7.6.4	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
764	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	2.31E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]npropyloo+CH ₂ O=>npropylooh+HCO	
765	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	2.27E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]allyl+CH ₃ OO=>allyloxy+CH ₃ O	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
7.00	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
766	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.25E-05

	[narony]]woll 1=>OH prod 1 > [arod 1]arod 1=> frog 1:OH	
	[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 >[CO]CH ₃ O+CO=>CH ₃ +CO ₂	
767	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	2 255 25
/0/	>[CH ₃ O]	2.25E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
	>[ipropyl]ipropyloo+allyl=>ipropyloxy+allyloxy	
	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
7.00	>[CH ₃]CH ₃ OO+HO ₂ =>CH ₃ OOH+O ₂ >[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
768	>[CH ₃ O]	2.25E-05
	[npropyl]O ₂ +QOOH_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
769	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.21E-05
	[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	
	>[CH2CHCO]CH2CHCO=>C2H3+CO>[C2H3]C2H3+O2=>O+vinoxy	
770	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.20E-05
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + HO2 => allyl + H2O2	
	>[allyl]npropyloo+allyl=>npropyloxy+allyloxy	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
771	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	2.20E-05
	[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 =>OH+propoxide	
772	>[propoxide]	2.18E-05
	[npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>HO ₂ +prod_6	
	>[propen1oxy]propen1oxy+OH=>prod_6	
773	>[prod_6]prod_6=>propen1oxy+OH>[propen1oxy]	2.16E-05
, , ,	ferer_allerea_a , brokentawi, and , fbrokentawil	Z.10L-03
	[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 ₂ O+formylperoxy=>HCO+formylooh	
774	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.16E-05
	,	

	[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 ₂ O+formylperoxy=>HCO+formylooh	
775	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	2.16E-05
	[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	
	$>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>QOOH_2$	
776	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	2.16E-05
	[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	
	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
777	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.15E-05
	[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+M=>CH ₂ OH+M	
	>[CH ₂ OH]CH ₂ OH+O ₂ =>CH ₂ O+HO ₂	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
778	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	2.12E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$>$ [ipropyl] O_2 +ipropyl= $>$ H O_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	
779	>[frag_1]	2.12E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$>$ [ipropyl] O_2 +ipropyl= $>$ H O_2 + C_3 H $_6$ $>$ [C_3 H $_6$]H+ C_3 H $_6$ = $>$ npropyl	
780	>[npropyl]well_1=>OH+prod_1>[prod_1]	2.12E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
	>[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	
781	>[CH ₃ O]	2.12E-05

	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$>$ [ipropyl] O_2 +ipropyl= $>$ H O_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	
782	>[CO]	2.12E-05
, 52		Z.1ZL-03
	[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	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
783	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.11E-05
	[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= $>$ C ₂ H ₃ +CO- $>$ [C ₂ H ₃]C ₂ H ₃ +O ₂ = $>$ O+vinoxy- $>$	
784	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	2.09E-05
	[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+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]acetylperoxy+HO ₂ =>CH ₃ CO ₃ H+O ₂	
785	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	2.06E-05
	[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=>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	
786	>[propoxide]	2.06E-05
707	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+CH_3OO=>allyl+CH_3OOH$	
787	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	2.06E-05

	[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	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
788	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	2.05E-05
	[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>[prod_3]prod_3=>frag_3+OH	
789	>[frag_3]	2.04E-05
	[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	
790	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	2.04E-05
	[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	
701	>[formylperoxy]formylperoxy=>HCO+O ₂ >[HCO]HCO+O ₂ =>CO+HO ₂	
791	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	2.04E-05
	$[npropyl] npropyloo => HO_2 + C_3H_6> [C_3H_6]C_3H_6 + OH => ethenol + CH_3$	
700	>[CH ₃]CH ₃ OO+CH ₂ O=>CH ₃ OOH+HCO>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH	
792	>[CH ₃ O]	2.01E-05
	[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	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
793	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.99E-05

		1
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH</pre>	
	>[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 =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
794	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.99E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
795	>[C ₂ H ₅]C ₂ H ₅ +O ₂ =>acetaldehyde+OH>[acetaldehyde]	1.97E-05
	[npropyl]O ₂ +QOOH_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	
796	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.96E-05
	[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 ₂ H ₄ +HO ₂	
	$>[C_2H_4]C_2H_4+OH=>C_2H_3+H_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
797	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.94E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
	$>[C_2H_4]C_2H_4+OH=>C_2H_3+H_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
798	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.93E-05
	Improved to Superior to Superi	
	[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	
799	>[npropyloxy]npropyloxy= $>$ C ₂ H ₅ +CH ₂ O $>$ [C ₂ H ₅]C ₂ H ₅ +O ₂ = $>$ CH ₂ CH ₂ OOH $>$ [CH CH OOH]CH CH OOH- $>$ 0virane+OH- $>$ [ovirane]	1 015 05
133	>[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	1.91E-05

	>[ipropyloxy]ipropyloxy=>CH ₃ +acetaldehyde	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
800	>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	1 005 05
800	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	1.90E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	$ \text{callyl} _{\text{allyl}} = \text{callyloxy+CH}_{3} = \text{callyloxy+CH}_{$	
	>[CH ₂ O]ipropyloo+CH ₂ O=>ipropylooh+HCO	
801	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.90E-05
001	* [ipropyreen] * ipropyrexy * en * [ipropyrexy]	1.501-05
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>formylethyl>[formylethyl]formylethyl=>C ₂ H ₄ +HCO-	
802	$->[C_2H_4]C_2H_4+HO_2=>oxirane+OH>[oxirane]$	1.90E-05
	$[\frac{ npropyl }{O_2} + \frac{npropyl }{Npropyl } + \mathsf{Npr$	
	>[C ₃ H ₆]C ₃ H ₆ +npropyloo=>allyl+npropylooh	
803	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.87E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
804	>[npropyl]npropyl+HO ₂ =>npropyloxy+OH>[npropyloxy]	1.86E-05
	[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]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide-	
805	->[propoxide]	1.86E-05
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy+O ₂ =>acrolein+HO ₂	
006	>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
806	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.85E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH >[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
	$>[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+ipropyl$	
807	>[ipropyl]ipropyloo=>OH+propoxide>[propoxide]	1.85E-05
307	- [ibi obyi]ibi obyioo-> otti bi oboviac>[bi oboviac]	T.02E-02

808	[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>[ipropyl]ipropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	1.83E-05
	[npropyl]npropylog (C.H> ppropylogh (ppropyl	
809	[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 =>CH ₂ CH ₂ OOH	1 015 05
809	>[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	1.81E-05
	[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	
810	>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	1.78E-05
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]vinoxylmethyl=>acrolein+H>[acrolein]acrolein+CH ₃ O=>CH ₂ CHCO+CH ₃ OH>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
811	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.78E-05
012	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H 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 ₃ OO+HO ₂ =>CH ₃ OOH+O ₂	
812	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.76E-05
813	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl >[ipropyl]ipropyl+HO ₂ =>ipropyloxy+OH>[ipropyloxy]	1.76E-05
014	[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 ₂ H ₄ +HO ₂ >[C ₂ H ₄]C ₂ H ₄ +HO ₂ =>CH ₂ CH ₂ OOH	
814	>[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	1.75E-05

	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>QOOH_3$	
815	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	1.75E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
	$>[C_2H_4]C_2H_4+HO_2=>CH_2CH_2OOH$	
816	>[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	1.75E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
017	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]allyloxy=>C ₂ H ₃ +CH ₂ O	4 705 05
817	$>[C_2H_3]C_2H_3+O_2=>O+vinoxy>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO]$	1.72E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
010	>[ipropyl]ipropyloo+acetaldehyde=>ipropylooh+acetyl	4 705 05
818	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.72E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
040	>[ipropyloo]ipropyloo+CH ₂ O=>ipropylooh+HCO	
819	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.68E-05
	[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+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
820	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	1.68E-05
	[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	
821	>[prod_6]prod_6=>propen1oxy+OH>[propen1oxy]	1.68E-05
	[npropyl]woll 1=>UO (prod 2)>[nrod 2]prod 2=> allylayy(OU	
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
822	>[allyloxy]vinoxylmethyl= $>$ C ₂ H ₄ +HCO $>$ [C ₂ H ₄]C ₂ H ₄ +OH= $>$ CH ₂ CH ₂ OH	1 (05 05
UZZ	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	1.68E-05

	[npropyl]O ₂ +QOOH_1=>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	
823	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.68E-05
	[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+OH=>HCO+H ₂ O	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
824	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.63E-05
	[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	
	>[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	
825	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.63E-05
	[npropyl]O2+npropyl=>HO2+C3H6>[C3H6]H+C3H6=>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	
826	>[CH ₃ O]	1.62E-05
	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O OH = - Allyl + OH = - Allyl + OH = - OH $	
	>[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	
827	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.62E-05
	[npropyl]O2+npropyl=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]npropyloo+HO ₂ =>npropylooh+O ₂	
828	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.61E-05

[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 =>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 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO] [npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl >[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]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide >[c ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh	1.60E-05 1.60E-05
$ > [acrolein]acrolein+HO_2=>CH_2CHCO+H_2O_2\\ > [CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy\\ > [vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO] $	
$ > [CH_2CHCO]CH_2CHCO=>C_2H_3+CO->[C_2H_3]C_2H_3+O_2=>O+vinoxy\\ > [vinoxy]vinoxy+O_2=>CH_2O+CO+OH>[CO] $	
$ S29 > [vinoxy]vinoxy+O_2 = > CH_2O+CO+OH>[CO] $ $ [npropyl] npropyloo+C_3H_8 = > npropylooh+ipropyl $	
[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]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide >[propoxide] [npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
>[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]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide >[propoxide] [npropyl]npropyloo=>HO ₂ +C ₃ H ₆	1.60E-05
$ > [npropyloxy] npropyloxy => C_2H_5 + CH_2O \\ > [C_2H_5] CH_3CH_2OO + C_3H_8 => CH_3CH_2OOH + ipropyl \\ > [ipropyl]O_2 + ipropyl => HO_2 + C_3H_6> [C_3H_6] HO_2 + C_3H_6 => OH + propoxide \\ > [propoxide] $	1.60E-05
$ > [C_2H_5]CH_3CH_2OO + C_3H_8 = > CH_3CH_2OOH + ipropyl - $ $ > [ipropyl]O_2 + ipropyl = > HO_2 + C_3H_6 - > [C_3H_6]HO_2 + C_3H_6 = > OH + propoxide - $ $ > [propoxide] $ $ [npropyl]npropyloo = > HO_2 + C_3H_6 $	1.60E-05
$> [ipropyl]O_2 + ipropyl => HO_2 + C_3H_6> [C_3H_6]HO_2 + C_3H_6 => OH + propoxide$ $> [propoxide]$ $[npropyl]npropyloo => HO_2 + C_3H_6$	1.60E-05
830 >[propoxide] [npropyl]npropyloo=>HO ₂ +C ₃ H ₆	1.60E-05
[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	1.60E-05
>[C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh	
831 >[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	1.58E-05
[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyloxy]allyloxy=>acrolein+H	
>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
832 >[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.58E-05
[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyloxy]vinoxylmethyl= $>$ C ₂ H ₃ +CH ₂ O>[C ₂ H ₃]C ₂ H ₃ +O ₂ = $>$ O+vinoxy	
833 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.56E-05
[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	
834 >[npropyl]npropyloo=>OH+propoxide>[propoxide]	1.55E-05
[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
>[allyloxy]vinoxylmethyl=>acrolein+H	
>[acrolein]acrolein+OH=>CH ₂ CHCO+H ₂ O	
>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
835 >[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.55E-05
[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]C ₃ H ₆ +OH= $>$ allyl+H ₂ O	
836 >[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	1.54E-05

	[npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>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	
837	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.54E-05
	[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 ₂ O+OH=>HCO+H ₂ O	
838	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	1.53E-05
	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + OH = > allyl + H_2O OH = - Allyl + OH = - Allyl + OH = - OH $	
	>[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	
839	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.53E-05
	[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-	
0.40	->[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>CO+HO ₂	
840	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	1.52E-05
841	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ H_2O	4 545 05
041	>[propen1yl]propen1yl+HO ₂ =>C ₂ H ₄ +HCO+OH>[HCO]	1.51E-05
	[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	
0.40	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	4 505 05
842	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.50E-05
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy+O ₂ =>acrolein+HO ₂	
0.40	>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
843	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.50E-05

844	$[npropyl]O_2+npropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+CH_3OO=>allyl+CH_3OOH>[CH_3OOH]CH_3OOH=>CH_3O+OH>[CH_3O]$	1.49E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[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	
845	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.48E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>propen1ol+OH$	
846	>[propen1ol]	1.45E-05
	$[npropyl]npropyloo=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
847	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.45E-05
	[npropyl]O ₂ +npropyl=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +ipropyloo=>allyl+ipropylooh	
848	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.44E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
849	>[C ₂ H ₅]CH ₃ CH ₂ OO=>oxirane+OH>[oxirane]	1.43E-05
	[npropyl]well_1=>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 +HO ₂ = $>$ oxirane+OH	
850	>[oxirane]	1.41E-05
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+ipropyloo=>CH ₂ CHCO+ipropylooh	
0.5.1	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
851	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.41E-05

	[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+OH=>HCO+H ₂ O	
852	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	1.40E-05
	[npropyl]npropyloo=>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	
853	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	1.39E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>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	
854	>[CO]	1.38E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>$ npropyl	
855	>[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1>[frag_1]	1.38E-05
	[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]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
856	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	1.37E-05
	[npropyl]O ₂ +QOOH_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
0.5.7	= [C ₂ H ₃ C ₂ H ₃ +O ₂ =>O+vinoxy	
857	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.37E-05
	[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+OH= $>$ HCO+H ₂ O $>$ [HCO]HCO+O ₂ = $>$ formylperoxy	
858	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh >[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1 255 05
000		1.35E-05
	[npropyl]O ₂ +QOOH 1=>OH+OH+frag 1	
859	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	1.35E-05
	L J Z LZJ	1.552 05

	[npropyl]npropyloo=> $HO_2+C_3H_6>$ [C_3H_6] $C_3H_6+OH=>$ propen2yl+ H_2O	
860	>[propen2yl]propen2yl+HO ₂ =>CH ₃ +ketene+OH>[ketene]	1.35E-05
	[npropyl]O ₂ +QOOH_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	
861	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	1.35E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[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	
862	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.34E-05
	[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>HO ₂ +C ₃ H ₆	110 12 00
	$>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>prod_2$	
863	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.34E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>C_2H_5+HCO$	1.5 12 05
	>[C ₂ H ₅]CH ₃ CH ₂ OO+HO ₂ =>CH ₃ CH ₂ OOH+O ₂	
864	>[CH ₃ CH ₂ OOH]CH ₃ CH ₂ OOH=>ethoxy+OH>[ethoxy]	1.33E-05
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	1,002 00
	>[allyloxy]allyloxy+O ₂ =>acrolein+HO ₂	
	>[acrolein]acrolein+npropyloo=>CH ₂ CHCO+npropylooh	
	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	
865	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.33E-05
	$\frac{[npropyl]npropyloo}{propyloo} + HO_2 + C_3 H_6 - C_3 H_6] + C_3 H_6 = npropyl}{npropyloo} + npropyloo$	1.002 00
	>[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide-	
866	->[propoxide]	1.33E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>$ [C_3H_6] $H+C_3H_6=>$ ipropyl	
	$>$ [ipropyl] O_2 +ipropyl= $>$ H O_2 + C_3 H $_6$ $>[C_3$ H $_6$] C_3 H $_6$ +OH= $>$ allyl+ H_2 O	
867	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.33E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	$>$ [ipropyl] O_2 +ipropyl= $>$ H O_2 + C_3 H $_6$ $>$ [C_3 H $_6$]H+ C_3 H $_6$ = $>$ ipropyl	
	>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
868	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.32E-05

	[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 =>formylperoxy	
	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
869	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.32E-05
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + HO2 => allyl + H2O2	
	>[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	
870	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.32E-05
	[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+H=>HCO+H ₂ >[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
871	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	1.32E-05
	[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	
070	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
872	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.32E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
873	>[npropyl]well_1=>OH+prod_1>[prod_1]	1.30E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
	>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
874	>[frag_1]	1.30E-05
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ allyl+H ₂ O ₂	
875	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	1.29E-05
	[nnrony]nnrony]00=>HO +C >[C]C +HO => nrongn1al+OH	
876	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>$ propen1ol+OH	1 205 05
0/0	>[propen1ol]propen1ol+H=>C ₃ H ₆ +OH>[C ₃ H ₆]	1.26E-05

	$[npropyl]O_2+npropyl=>HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]ipropyloo+CH ₂ O=>ipropylooh+HCO	
877	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.23E-05
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>npropyl	
	>[npropyl]npropyloo+acetaldehyde=>npropylooh+acetyl	
878	>[npropylooh]npropylooh=>npropyloxy+OH>[npropyloxy]	1.23E-05
	[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=>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	
879	>[propoxide]	1.20E-05
	[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+C ₃ H ₈ =>ipropylooh+ipropyl	
880	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.19E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
004	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]allyloxy=>C ₂ H ₃ +CH ₂ O	
881	>[C ₂ H ₃]C ₂ H ₃ +O ₂ =>O+vinoxy>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.18E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
000	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
882	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.17E-05
000	[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>HO ₂ +C ₃ H ₆	
883	>[C ₃ H ₆]C ₃ H ₆ +HO ₂ =>propen1ol+OH>[propen1ol]	1.16E-05
	[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 ₂ H ₃ D- $>$ [C ₃ D- $>$ [C ₄ D- $>$	
004	$>[C_2H_4]C_2H_4+OH=>C_2H_3+H_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
884	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.13E-05

	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
	$>[npropyloxy]npropyloxy=>C_2H_5+CH_2O>[C_2H_5]C_2H_5+O_2=>C_2H_4+HO_2$	
	$>[C_2H_4]C_2H_4+OH=>C_2H_3+H_2O>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
885	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.13E-05
		1.13L-03
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
	$ c_3 H_6 c_3 H_$	
886	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	1.10E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	1.10L-03
	>[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]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide-	
887	->[propoxide]	1.09E-05
007	[npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>well_3	1.09L-03
	>[well_3]well_3=>OH+prod_4>[prod_4]prod_4=>frag_4+OH	
888	>[frag_4]	1.08E-05
	[npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>well_3	2,002 00
889	>[well_3]well_3=>OH+prod_4>[prod_4]	1.08E-05
	[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	
	>[prod_6]prod_6=>propen1oxy+OH	
	>[propen1oxy]propen1oxy+OH=>prod_6	
890	>[prod_6]prod_6=>propen1oxy+OH>[propen1oxy]	1.08E-05
	[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	
891	>[ipropyl]ipropyloo=>OH+propoxide>[propoxide]	1.08E-05

	[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	
892	>[HCO]HCO+HO ₂ =>CO ₂ +OH+H>[CO ₂]	1.08E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[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	
893	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.06E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>O2+ipropyl	
	>[ipropyl]ipropyloo+HO ₂ =>ipropylooh+O ₂	
894	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	1.06E-05
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
	$>$ [ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ = $>$ QOOH_2	
895	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	1.06E-05
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]O ₂ +ipropyl=>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	
896	>[propoxide]	1.04E-05
	[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	
007	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
897	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	1.04E-05
	[npropyl]O ₂ +QOOH_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]vinoxylmethyl=>acrolein+H	
898	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	1 025 05
030	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	1.03E-05
	[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	
	$>[C_2H_4]C_2H_4+HO_2=>CH_2CH_2OOH$	
899	>[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	1.02E-05
	/ [erryerryeerryeerryeerryeerryeerryeerry	1.UZL-UJ

	[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	
000	>[C ₂ H ₄]C ₂ H ₄ +HO ₂ =>CH ₂ CH ₂ OOH	
900	>[CH ₂ CH ₂ OOH]CH ₂ CH ₂ OOH=>oxirane+OH>[oxirane]	1.02E-05
	<pre>[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH >[frag_1]frag_1=>vinoxy+CH₂O</pre>	
	>[CH ₂ O]CH ₃ CH ₂ OO+CH ₂ O=>CH ₃ CH ₂ OOH+HCO	
901	>[HCO]HCO+HO ₂ =>CO ₂ +OH+H>[CO ₂]	1.01E-05
		1.01L-03
	[npropyl]O ₂ +QOOH_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	$>[allyloxy]$ allyloxy=> C_2H_4 +HCO> $[C_2H_4]$ C ₂ H ₄ +OH=>CH ₂ CH ₂ OH	
902	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	9.97E-06
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+CH ₃ OO=>CH ₂ CHCO+CH ₃ OOH	
903	>[CH ₃ OOH]CH ₃ OOH=>CH ₃ O+OH>[CH ₃ O]	9.84E-06
	[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	
904	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	9.78E-06
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH	
005	>[allyloxy]vinoxylmethyl= $>$ C ₂ H ₃ +CH ₂ O>[C ₂ H ₃]C ₂ H ₃ +O ₂ = $>$ O+vinoxy	0.705.00
905	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	9.78E-06
	[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+H=>HCO+H ₂ >[HCO]HCO+O ₂ =>CO+HO ₂	
906	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	9.76E-06
	[npropyl]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	J./UL-00
	>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]npropyloo+CH ₂ O=>npropylooh+HCO	
907	>[HCO]HCO+HO ₂ =>CO ₂ +OH+H>[CO ₂]	9.74E-06
907	>[HCO]HCO+HO ₂ =>CO ₂ +OH+H>[CO ₂]	9.74E-0

908	$ [npropyl] well_1 => HO_2 + prod_2> [prod_2] prod_2 => allyloxy + OH> [allyloxy] vinoxylmethyl => formylethyl> [formylethyl] formylethyl => C_2H_4 + HCO> [C_2H_4]C_2H_4 + OH=> CH_2OH> [CH_2CH_2OH]O_2C_2H_4OH=> OH+ CH_2O+CH_2O> [CH_2O] $	9.69E-06
	[224	3.032 00
	$ \label{eq:continuous} $$ [npropyl] npropyloo=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O>[allyl]allyl+HO_2=>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>formylethyl>[formylethyl]formylethyl=>C_2H_4+HCO>[C_2H_4]C_3H_4+OH=>CH_2OH$	
909	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	9.63E-06
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
910	>[ipropyl]O ₂ +ipropyl=>OH+propoxide>[propoxide]	9.58E-06
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen1yl+ H_2O	
	>[propen1yl]propen1yl+O ₂ =>acetaldehyde+HCO	
	>[acetaldehyde]acetaldehyde+HO ₂ =>acetyl+H ₂ O ₂	
	>[acetyl]H ₂ O ₂ +acetylperoxy=>HO ₂ +CH ₃ CO ₃ H	
911	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	9.44E-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] O_2 +ipropyl= $>$ H O_2 + C_3 H $_6$ $>$ [C_3 H $_6$]H O_2 + C_3 H $_6$ = $>$ OH+propoxide	
912	>[propoxide]	9.36E-06
	[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1	
	>[frag_1]frag_1=>vinoxy+CH ₂ O	
	>[CH ₂ O]CH ₂ O+formylperoxy=>HCO+formylooh	
913	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	9.31E-06
64.	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + H = > allyl + H_2 - $	
914	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	9.27E-06
915	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>allyl+OH$	0.375.00
213	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	9.27E-06

	[npropyl]O ₂ +QOOH_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	
916	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	9.08E-06
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl	
917	>[ipropyl]ipropyloo=>OH+propoxide>[propoxide]	8.89E-06
	[ppropullyoll 1-x110 uprod 2 x[prod 2]prod 2-xallyloyyu011	
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>formylethyl>[formylethyl]formylethyl=>C ₂ H ₄ +HCO-	
	->[HCO]HCO+O ₂ =>formylperoxy	
010	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	0.065.06
918	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	8.86E-06
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
010	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +H= $>$ allyl+H ₂	
919	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	8.83E-06
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
000	>[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	
920	>[propoxide]	8.74E-06
	[npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>well_3	
921	>[well_3]well_3=>well_2>[well_2]QOOH_2=>OH+propoxide	0.625.06
921	>[propoxide]	8.62E-06
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
022	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ = $>$ npropyl	0.405.06
922	>[npropyl]npropyloo=>OH+propoxide>[propoxide]	8.48E-06
	[npropyl] npropyloo => HO2 + C3H6> [C3H6] C3H6 + OH => allyl + H2O	
	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH	
022	>[allyloxy]allyloxy= $>$ C ₂ H ₄ +HCO $>$ [C ₂ H ₄]C ₂ H ₄ +OH= $>$ CH ₂ CH ₂ OH	
923	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	8.45E-06
	[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	
924	>[frag_3]	8.40E-06

	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+npropyl	
	>[npropylooh]npropylooh=>npropyloxy+OH	
025	>[npropyloxy]npropyloxy=>C ₂ H ₅ +CH ₂ O	
925	>[C ₂ H ₅]CH ₃ CH ₂ OO= $>$ oxirane+OH $>$ [oxirane]	8.37E-06
	In presenting a COOL 1 and 2	
	[npropyl]O ₂ +QOOH_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	
926	>[CH ₂ CHCO]CH ₂ CHCO+O ₂ =>vinoxy+CO ₂	0.265.06
520	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	8.36E-06
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]allyloxy=>acrolein+H	
	>[acrolein]acrolein+HO ₂ =>CH ₂ CHCO+H ₂ O ₂	
027	$>[CH_2CHCO]CH_2CHCO=>C_2H_3+CO>[C_2H_3]C_2H_3+O_2=>O+vinoxy$	
927	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	8.10E-06
	[npropyl]npropyloo=>QOOH 2>[QOOH 2]well 2=>well 3	
928		8.06E-06
320	[npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>well_3	8.001-00
929	>[prod_3]prod_3=>frag_3+OH>[frag_3]	8.06E-06
	[npropyl]well 1=>OH+prod 1>[prod 1]prod 1=>frag 1+OH	
	$>[frag_1]frag_1=>vinoxy+CH_2O>[CH_2O]CH_2O+OH=>HCO+H_2O$	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]formylperoxy=>HCO+O ₂	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>npropyl+formylooh	
930	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	8.02E-06
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]H + C3H6 => ipropyl	
	$>$ [ipropyl] O_2 +ipropyl= $>$ H O_2 + C_3 H $_6$ $>[C_3$ H $_6]$ H O_2 + C_3 H $_6$ = $>$ OH+propoxide	
931	>[propoxide]	7.97E-06
	$[npropyl]npropyl=>CH_3+C_2H_4>[C_2H_4]C_2H_4+OH=>CH_2CH_2OH$	
932	>[CH ₂ CH ₂ OH]O ₂ C ₂ H ₄ OH=>OH+CH ₂ O+CH ₂ O>[CH ₂ O]	7.96E-06

	[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	
933	>[frag_3]	7.89E-06
	[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 +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ propen1ol+OH	
934	>[propen1ol]	7.85E-06
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>ipropyloo	
	>[ipropyloo]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
935	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	7.81E-06
	[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 OO]HOCH ₂ OO+HO ₂ =>HOCH ₂ OOH+O ₂	
	>[HOCH ₂ OOH]HOCH ₂ OOH=>HOCH ₂ O+OH	
	>[HOCH ₂ O]HOCH ₂ O+OH=>HOCH ₂ OOH	
936	>[HOCH ₂ OOH]HOCH ₂ OOH=>HOCH ₂ O+OH>[HOCH ₂ O]	7.78E-06
	[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]formylperoxy=>HCO+O ₂	
	>[HCO]HCO+O ₂ =>formylperoxy	
	>[formylperoxy]CH ₂ O+formylperoxy=>HCO+formylooh	
937	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	7.63E-06
	[npropyl] npropyloo => HO2 + C3H6> [C3H6]C3H6 + OH => allyl + H2O	
	>[allyl]allyl+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	
938	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	7.52E-06
	[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>HO ₂ +C ₃ H ₆	
	$>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2>[allyl]allyl+HO_2=>prod_2$	
939	>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	7.50E-06

	[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+OH=>allyl+H2O	
	>[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	
940	>[vinoxy]vinoxy+O ₂ =>CH ₂ O+CO+OH>[CO]	7.45E-06
	[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 +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +OH= $>$ allyl+H ₂ O	
941	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	7.43E-06
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+npropyl	
942	>[npropyl]npropyloo=>OH+propoxide>[propoxide]	7.37E-06
	[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+HO ₂ =>HCO+H ₂ O ₂ -	
943	->[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	7.28E-06
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]npropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ propen1ol+OH	
944	>[propen1ol]	7.20E-06
	[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 =>formylperoxy	
	>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
945	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	7.16E-06
	[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 ₂ O+formylperoxy=>HCO+formylooh	
946	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	7.09E-06
	[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	
947	>[HCO]HCO+HO ₂ =>CO ₂ +OH+H>[CO ₂]	7.07E-06

	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]HO_2 + C_3H_6 = > QOOH_3$	
948	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	6.95E-06
	[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	
949	>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	6.93E-06
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ propen2yl+ H_2O >[propen2yl]propen2yl+ $O_2=>$ acetyl+ CH_2O	
	>[acetyl]acetaldehyde+acetylperoxy=>acetyl+CH ₃ CO ₃ H	
950	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	6.93E-06
	<pre>[npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>well_3 >[well_3]well_3=>well_5>[well_5]well_5=>OH+prod_3 >[prod_3]prod_3=>frag_3+OH>[frag_3]frag_3+OH=>prod_3</pre>	
951	>[prod_3]prod_3=>frag_3+OH>[frag_3]	6.82E-06
952	[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 ₂ O+OH=>HCO+H ₂ O>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	6.80E-06
332	2 2 2	6.8UE-U6
953	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>npropyl >[npropyl]O ₂ +npropyl=>OH+propoxide>[propoxide]	6.62E-06
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]allyloxy=>C ₂ H ₄ +HCO>[HCO]HCO+O ₂ =>formylperoxy>[formylperoxy]C ₃ H ₈ +formylperoxy=>ipropyl+formylooh	
954	>[formylooh]formylooh=>formyloxy+OH>[formyloxy]	6.55E-06
955	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>$ npropyl>[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>$ allyl+ $H_2O>[$ allyl]allyl+ $HO_2=>$ prod_2>[prod_2]prod_2=>allyloxy+ $OH>[$ allyloxy]	6.45E-06

	[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	
056	>[formylperoxy]formylperoxy=>HCO+O ₂ >[HCO]HCO+O ₂ =>CO+HO ₂	
956	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	6.17E-06
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]C ₃ H ₆ +acetylperoxy=>allyl+CH ₃ CO ₃ H	
957	>[CH ₃ CO ₃ H]CH ₃ CO ₃ H=>acetyloxy+OH>[acetyloxy]	6.17E-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	
958	>[ipropyl]O ₂ +ipropyl=>OH+propoxide>[propoxide]	6.16E-06
	[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>HO ₂ +C ₃ H ₆	
959	$>[C_3H_6]HO_2+C_3H_6=>OH+propoxide>[propoxide]$	6.07E-06
	[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	
	>[prod_6]prod_6=>propen1oxy+OH	
	>[propen1oxy]propen1oxy+OH=>prod_6	
	>[prod_6]prod_6=>propen1oxy+OH	
	>[propen1oxy]propen1oxy+OH=>prod_6	
960	>[prod_6]prod_6=>propen1oxy+OH>[propen1oxy]	5.75E-06
	[npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>well_3	
	>[well_3]well_3=>HO ₂ +prod_7>[prod_7]prod_7=>propen2oxy+OH	
961	>[propen2oxy]	5.53E-06
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>ipropyl	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+OH=>allyl+H_2O$	
962	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	5.52E-06
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
	>[npropyl]npropyloo=>HO2+C3H6>[C3H6]C3H6+HO2=>allyl+H2O2	
963	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	5.52E-06
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>npropyloo	
964	>[npropyloo]well_1=>OH+prod_1>[prod_1]	5.48E-06

	[npropyl]npropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>npropyloo	
	>[npropyloo]well_1=>OH+prod_1>[prod_1]prod_1=>frag_1+OH	
965	>[frag_1]	5.48E-06
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>formylethyl>[formylethyl]formylethyl=>C ₂ H ₄ +HCO-	
966	->[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	5.14E-06
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>npropyl	
	>[npropyl]O ₂ +QOOH_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
967	>[allyloxy]	5.12E-06
	[npropyl]npropyloo=> $HO_2+C_3H_6>$ [C_3H_6] $H+C_3H_6=>$ ipropyl	
	$>[ipropyl]O_2+ipropyl=>HO_2+C_3H_6>[C_3H_6]C_3H_6+HO_2=>allyl+H_2O_2$	
968	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	4.78E-06
	[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>HO ₂ +C ₃ H ₆	
969	>[C ₃ H ₆]C ₃ H ₆ +OH=>allyl+H ₂ O>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	4.77E-06
	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]H + C_3H_6 = > ipropyl - $	
	>[ipropyl]ipropyloo+C ₃ H ₈ =>ipropylooh+ipropyl	
970	>[ipropylooh]ipropylooh=>ipropyloxy+OH>[ipropyloxy]	4.69E-06
	[npropyl]npropyloo=>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 = $>$ propen1ol+OH	
971	>[propen1ol]	4.48E-06
	[npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>well_3	
	>[well_3]well_3=>well_5>[well_5]well_5=>OH+prod_3	
	>[prod_3]prod_3=>frag_3+OH>[frag_3]frag_3+OH=>prod_3	
0.70	>[prod_3]prod_3=>frag_3+OH>[frag_3]frag_3+OH=>prod_3	
972	>[prod_3]prod_3=>frag_3+OH>[frag_3]	4.42E-06
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
072	>[ipropyloo]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +OH= $>$ allyl+H ₂ O	4 0 0 5 0 0
973	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	4.30E-06
	[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	
074	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ $>$ [C ₃ H ₆]HO ₂ +C ₃ H ₆ = $>$ OH+propoxide	4.6
974	>[propoxide]	4.29E-06

	[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+HO ₂ = $>$ HCO+H ₂ O ₂ -	
975	->[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	4.23E-06
	[npropyl]O ₂ +npropyl=>QOOH_2>[QOOH_2]well_2=>well_3	4.232 00
976	>[well_3]QOOH_3=>OH+propoxide>[propoxide]	4.14E-06
	[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+O=>HCO+OH	
977	>[HCO]	4.08E-06
	[npropyl]npropyloo=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]H+C ₃ H ₆ =>npropyl	
	>[npropyl]QOOH_1=>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	
978	>[propoxide]	3.96E-06
	[npropyl]npropyloo+C ₃ H ₈ =>npropylooh+ipropyl	
	>[ipropyl]ipropyloo=>QOOH_3>[QOOH_3]well_3=>well_2	
979	>[well_2]QOOH_2=>OH+propoxide>[propoxide]	3.96E-06
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	
	>[npropyl]npropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ = $>$ OH+propoxide	
980	>[propoxide]	3.94E-06
	[npropyl]O ₂ +QOOH_1=>OH+OH+frag_1	
	>[frag_1]frag_1=>vinoxy+CH ₂ O>[CH ₂ O]CH ₂ O+OH=>HCO+H ₂ O	
981	>[HCO]HCO+O ₂ =>CO+HO ₂ >[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	3.91E-06
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>ipropyl$	
	>[ipropyl]O ₂ +ipropyl=>HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2	
982	>[QOOH_2]QOOH_2=>OH+propoxide>[propoxide]	3.89E-06
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]C_3H_6+O=>allyl+OH$	
983	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	3.83E-06
	[npropyl]well_1=>HO ₂ +prod_2>[prod_2]prod_2=>allyloxy+OH	
	>[allyloxy]allyloxy=>C ₂ H ₄ +HCO>[HCO]HCO+O ₂ =>CO+HO ₂	
984	>[CO]CO+HO ₂ =>CO ₂ +OH>[CO ₂]	3.79E-06
	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]C_3H_6 + H = > allyl + H_2$	
985	>[allyl]allyl+HO ₂ =>allyloxy+OH>[allyloxy]	3.50E-06
	[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_3	
986	>[QOOH_3]QOOH_3=>OH+propoxide>[propoxide]	3.45E-06

	$[npropyl]O_2+npropyl=>HO_2+C_3H_6>[C_3H_6]H+C_3H_6=>npropyl$	
987	>[npropyl]npropyloo=>OH+propoxide>[propoxide]	3.34E-06
	[npropyl]npropyloo=> $HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>ipropyloo$	
	>[ipropyloo]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ allyl+H ₂ O ₂	
988	>[allyl]allyl+HO ₂ =>prod_2>[prod_2]prod_2=>allyloxy+OH>[allyloxy]	3.27E-06
	$[npropyl]O_2 + npropyl = > HO_2 + C_3H_6 - > [C_3H_6]H + C_3H_6 = > ipropyl$	
	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]C ₃ H ₆ +HO ₂ = $>$ propen1ol+OH	
989	>[propen1ol]	3.10E-06
	[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>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	
990	>[allyloxy]	3.02E-06
991	[npropyl]QOOH_1=>OH+propoxide>[propoxide]	2.83E-06
	[npropyl]npropyloo=>QOOH_2>[QOOH_2]QOOH_2=>HO ₂ +C ₃ H ₆	
	>[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>QOOH_2>[QOOH_2]QOOH_2=>OH+propoxide	
992	>[propoxide]	2.71E-06
	$[npropyl]npropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>QOOH_2$	
	>[QOOH_2]well_2=>well_3>[well_3]QOOH_3=>OH+propoxide	
993	>[propoxide]	2.54E-06
	[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	
994	>[frag_3]frag_3+OH=>prod_3>[prod_3]prod_3=>frag_3+OH >[frag_3]	2 405 00
334	[npropyl]npropyloo=>HO2+C3H6>[C3H6]HO2+C3H6=>ipropyloo	2.48E-06
	[ipropyloo] ipropyloo=>HO ₂ +C ₃ H ₆ ->[C ₃ H ₆]HO ₂ +C ₃ H ₆ =>OH+propoxide	
995	>[propoxide]	2 425 00
333	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	2.43E-06
006	>[ipropyl]O ₂ +ipropyl=>QOOH_3>[QOOH_3]QOOH_3=>OH+propoxide	2 225 06
996	>[propoxide] [npropyl]npropyloo=>QOOH_2>[QOOH_2]well_2=>well_3	2.22E-06
997	>[well_3]QOOH_3=>OH+propoxide>[propoxide]	2.22E-06
	[npropyl]npropyloo=>HO2+C3H6>[C3H6]H+C3H6=>npropyl	2.221 00
	$>[npropyl]$ npropyloo= $>HO_2+C_3H_6>[C_3H_6]HO_2+C_3H_6=>QOOH 2$	
998	>[QOOH 2]QOOH 2=>OH+propoxide>[propoxide]	1.94E-06
550	[[[]]] [] [] [] [] [] [] []	T.24F-00

	[npropyl]QOOH_1=>QOOH_2>[QOOH_2]well_2=>well_3	
999	>[well_3]QOOH_3=>OH+propoxide>[propoxide]	1.73E-06
	[npropyl]O2+npropyl=>HO2+C3H6>[C3H6]H+C3H6=>ipropyl	
	>[ipropyl]ipropyloo= $>$ HO ₂ +C ₃ H ₆ >[C ₃ H ₆]HO ₂ +C ₃ H ₆ = $>$ OH+propoxide	
1000	>[propoxide]	1.70E-06