

	Pathway Name	Pathway Probability	#OH	f	cumulative f
1	[OH]C3H8+OH=>npropyl+H2O-- >[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-->[CO]	0.3773382	3	1.1320145	1.1320145
2	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropylooh+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[acetaldehyde]	0.0049123	1	0.00491226	1.13692676
3	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-- >[allyloxy]allyloxy=>acrolein+H-->[acrolein]	0.0053326	1	0.00533261	1.14225937
4	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropylooh+C3H8=>ipropylooh+npropyl-- >[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-->[CO]	0.0045959	3	0.01378767	1.15604704
5	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropylooh=>OH+propoxide-->[propoxide]	0.0045259	1	0.00452591	1.16057296
6	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropylooh+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO=>C2H4+HO2-->[C2H4]	0.0016511	1	0.00165108	1.16222404
7	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropylooh+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]C2H5+O2=>C2H4+HO2-->[C2H4]	0.0016425	1	0.00164251	1.16386655
8	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropylooh=>QOOH_2-- >[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]	0.003179	1	0.00317896	1.16704551
9	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropylooh+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[ipropyl]ipropylooh=>HO2+C3H6-->[C3H6]	0.0014651	1	0.00146508	1.16851058

10	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]O2+QOOH_1=>OH+OH+frag_1-- >[frag_1]frag_1=>vinoxy+CH2O-- >[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO]	0.0029235	3	0.00877047	1.17728105
11	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[acetaldehyde]	0.0028661	1	0.00286612	1.18014717
12	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+ipropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO=>C2H4+HO2-->[C2H4]	0.0028311	1	0.00283111	1.18297828
13	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+ipropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]C2H5+O2=>C2H4+HO2-->[C2H4]	0.0028098	1	0.00280982	1.18578811
14	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo=>QOOH_3-- >[QOOH_3]QOOH_3=>OH+propoxide-->[propoxide]	0.0010831	1	0.00108306	1.18687117
15	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+ipropyl-- >[ipropyl]ipropyloo=>HO2+C3H6-->[C3H6]	0.000542	1	0.00054197	1.18741314
16	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+npropyl-- >[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-->[CO]	0.0004871	4	0.00194859	1.18936173
17	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-->[CH3OOH]	0.0004776	1	0.00047758	1.18983931
18	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo=>OH+propoxide-->[propoxide]	0.0009465	1	0.00094651	1.19078582

19	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+ipropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+ipropyl-- >[ipropyl]ipropyloo=>HO2+C3H6-->[C3H6]	0.0009265	1	0.00092653	1.19171236
20	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[ipropyl]ipropyloo=>HO2+C3H6-->[C3H6]	0.0008549	1	0.00085494	1.1925673
21	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-- >[CH3O]CH3O+O2=>CH2O+HO2-->[CH2O]	0	2	0	1.1925673
22	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-- >[allyloxy]vinoxylmethyl=>acrolein+H-->[acrolein]	0.0007055	1	0.00070552	1.19327282
23	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]O2+ipropyl=>OH+propoxide-->[propoxide]	0.0005877	1	0.00058774	1.19386056
24	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-- >[allyloxy]allyloxy=>formylethyl-- >[formylethyl]formylethyl=>C2H4+HCO-->[C2H4]	0.0005767	1	0.00057666	1.19443722
25	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[ipropyl]O2+ipropyl=>HO2+C3H6-->[C3H6]	0.0002818	1	0.00028185	1.19471907
26	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-- >[CH3O]CH3O+M=>CH2O+H+M-->[CH2O]	0	2	0	1.19471907

27	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-- >[allyloxy]allyloxy=>formylethyl-- >[formylethyl]formylethyl=>C2H4+HCO-- >[HCO]HCO+O2=>CO+HO2-->[CO]	0.0005525	1	0.0005525	1.19527157
28	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]O2+npropyl=>OH+propoxide-->[propoxide]	0.0005117	1	0.00051168	1.19578325
29	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-- >[allyloxy]allyloxy=>C2H4+HCO-->[C2H4]	0.0004265	1	0.00042646	1.19620972
30	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-- >[allyloxy]allyloxy=>C2H4+HCO-->[HCO]HCO+O2=>CO+HO2-- >[CO]	0.0004089	1	0.00040889	1.1966186
31	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>OH+prod_3-- >[prod_3]prod_3=>frag_3+OH-->[frag_3]	0.0004194	2	0.00083872	1.19745732
32	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]O2+QOOH_1=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-- >[allyloxy]allyloxy=>acrolein+H-->[acrolein]	0.0004124	1	0.00041244	1.19786976
33	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl-- >[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-->[CO]	0.00018	4	0.00072008	1.19858985
34	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-- >[allyloxy]allyloxy=>C2H3+CH2O-- >[C2H3]C2H3+O2=>HCO+CH2O-->[HCO]HCO+O2=>CO+HO2-- >[CO]	0.0003375	1	0.00033755	1.19892739
35	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo=>HO2+C3H6-- >[C3H6]C3H6+HO2=>propen1ol+OH-->[propen1ol]	0.0003454	1	0.00034544	1.19927283

36	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropylooh+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+npropyl-->[CH3OOH]	0.0001598	1	0.00015981	1.19943264
37	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropylooh+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+ipropyl-- >[CH3CH2OOH]	0.0001634	1	0.0001634	1.19959604
38	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropylooh+C3H8=>npropylooh+ipropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl-- >[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-->[CO]	0.0003077	4	0.00123085	1.2008269
39	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropylooh+C3H8=>ipropylooh+npropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+npropyl-- >[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-->[CO]	0.0002842	4	0.00113687	1.20196377
40	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropylooh+C3H8=>npropylooh+ipropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+ipropyl-- >[CH3CH2OOH]	0.0002796	1	0.00027964	1.20224341
41	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-- >[allyloxy]allyloxy+O2=>acrolein+HO2-->[acrolein]	0.0002803	1	0.00028025	1.20252366
42	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropylooh+C3H8=>ipropylooh+npropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-->[CH3OOH]	0.0002791	1	0.00027908	1.20280274

43	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+npropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-- >[CH3O]CH3O+O2=>CH2O+HO2-->[CH2O]	0	2	0	1.20280274
44	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-- >[CH3O]CH3O+O2=>CH2O+HO2-- >[HO2]C3H8+HO2=>ipropyl+H2O2-- >[ipropyl]ipropyloo=>HO2+C3H6-->[C3H6]	0	2	0	1.20280274
45	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>acetone+H-->[acetone]	0.0001134	1	0.00011342	1.20291616
46	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-- >[CH3O]CH3O+O2=>CH2O+HO2-->[CH2O]	0	2	0	1.20291616
47	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+ipropyl-- >[ipropyl]O2+ipropyl=>HO2+C3H6-->[C3H6]	0.0001041	1	0.00010411	1.20302027
48	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+npropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-- >[CH3O]CH3O+M=>CH2O+H+M-->[CH2O]	0.00E+00	2	0	1.20302027

49	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-- >[CH3O]CH3O+M=>CH2O+H+M-->[H]H+O2(+M)=>HO2(+M)-- >[HO2]C3H8+HO2=>ipropyl+H2O2-- >[ipropyl]ipropyloo=>HO2+C3H6-->[C3H6]	0	2	0	1.20302027
	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+ipropyl-- >[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH-- >[ethoxy]ethoxy=>CH3+CH2O-- >[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]	9.52E-05	2	0.00019039	1.20321066
51	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+ipropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+ipropyl-- >[ipropyl]O2+ipropyl=>HO2+C3H6-->[C3H6]	0.0001786	1	0.00017862	1.20338928
	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+ipropyl-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[acetaldehyde]	8.99E-05	1	8.9903E-05	1.20347918
53	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+ipropyl-- >[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH-- >[ethoxy]ethoxy=>CH3+CH2O-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[ipropyl]ipropyloo=>HO2+C3H6-->[C3H6]	8.9E-05	2	0.00017801	1.20365719
	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[ipropyl]O2+ipropyl=>HO2+C3H6-->[C3H6]	0.0001643	1	0.00016432	1.2038215
54					

55	[OH]C3H8+OH=>ipropyl+H2O--				
	>[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl--				
	>[ipropylooh]ipropylooh=>ipropyloxy+OH--				
	>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde--				
	>[CH3]CH3OO+C3H8=>CH3OOH+npropyl--				
	>[npropyl]npropyloo=>HO2+C3H6-->[C3H6]	8.205E-05	1	8.2045E-05	1.20390355
56	[OH]C3H8+OH=>npropyl+H2O--				
	>[npropyl]npropyloo+C3H8=>npropylooh+ipropyl--				
	>[npropylooh]npropylooh=>npropyloxy+OH--				
	>[npropyloxy]npropyloxy=>C2H5+CH2O--				
	>[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+ipropyl--				
	>[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH--				
	>[ethoxy]ethoxy=>CH3+CH2O--				
	>[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]	0.0001612	2	0.00032232	1.20422587
57	[OH]C3H8+OH=>npropyl+H2O--				
	>[npropyl]well_1=>OH+prod_1--				
	>[prod_1]prod_1=>frag_1+OH--				
	>[frag_1]frag_1=>vinoxyl+CH2O--				
	>[vinoxyl]vinoxyl+O2=>CH2O+CO+OH-->[CO]CO+OH=>CO2+H-				
	->[CO2]	0.0001707	3	0.00051205	1.20473791
58	[OH]C3H8+OH=>ipropyl+H2O--				
	>[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl--				
	>[ipropylooh]ipropylooh=>ipropyloxy+OH--				
	>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde--				
	>[CH3]CH3OO+C3H8=>CH3OOH+ipropyl--				
	>[CH3OOH]CH3OOH=>CH3O+OH--				
	>[CH3O]CH3O+M=>CH2O+H+M-->[CH2O]	0	2	0	1.20473791
59	[OH]C3H8+OH=>npropyl+H2O--				
	>[npropyl]npropyloo+C3H8=>npropylooh+ipropyl--				
	>[npropylooh]npropylooh=>npropyloxy+OH--				
	>[npropyloxy]npropyloxy=>C2H5+CH2O--				
	>[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+ipropyl--				
	>[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH--				
	>[ethoxy]ethoxy=>CH3+CH2O--				
	>[CH3]CH3OO+C3H8=>CH3OOH+ipropyl--				
	>[ipropyl]ipropyloo=>HO2+C3H6-->[C3H6]	0.0001542	2	0.00030842	1.20504634
60	[OH]C3H8+OH=>ipropyl+H2O--				
	>[ipropyl]O2+ipropyl=>QOOH_3--				
	>[QOOH_3]QOOH_3=>OH+propoxide-->[propoxide]	0.0001553	1	0.0001553	1.20520163
61	[OH]C3H8+OH=>ipropyl+H2O--				
	>[ipropyl]ipropyloo=>HO2+C3H6--				
	>[C3H6]C3H6+OH=>allyl+H2O-->[allyl]allyl+HO2=>prod_2--				
	>[prod_2]prod_2=>allyloxy+OH--				
	>[allyloxy]allyloxy=>acrolein+H-->[acrolein]	0.000159	1	0.00015905	1.20536068



62	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo=>HO2+C3H6-- >[C3H6]HO2+C3H6=>OH+propoxide-->[propoxide]	0.0001544	1	0.00015438	1.20551506
63	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-- >[CH3O]CH3O+O2=>CH2O+HO2-- >[HO2]HO2+HO2=>H2O2+O2-->[H2O2]	0	2	0	1.20551506
64	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-- >[CH3O]CH3O+O2=>CH2O+HO2-- >[HO2]HO2+HO2=>H2O2+O2-->[O2]	0	2	0	1.20551506
65	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl-- >[CH3CH2OOH]	5.458E-05	1	5.458E-05	1.20556964
66	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+npropyl-->[CH3OOH]	9.305E-05	1	9.3051E-05	1.20566269
67	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-- >[allyloxy]vinoxylmethyl=>C2H3+CH2O-- >[C2H3]C2H3+O2=>HCO+CH2O-->[HCO]HCO+O2=>CO+HO2-- >[CO]	9.782E-05	1	9.782E-05	1.20576051
68	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+ipropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl-- >[CH3CH2OOH]	9.355E-05	1	9.3547E-05	1.20585406
69	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo=>QOOH_2-- >[QOOH_2]well_2=>well_3-- >[well_3]QOOH_3=>OH+propoxide-->[propoxide]	9.219E-05	1	9.2187E-05	1.20594625

70	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-- >[allyloxy]allyloxy=>C2H3+CH2O-- >[C2H3]C2H3+O2=>O+vinoxy-- >[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO]	8.958E-05	2	0.00017917	1.20612541
71	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-- >[CH3O]CH3O+M=>CH2O+H+M-->[H]H+O2(+M)=>HO2(+M)-- >[HO2]HO2+HO2=>H2O2+O2-->[H2O2]	0	2	0	1.20612541
72	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+ipropyl-- >[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH-- >[ethoxy]ethoxy=>CH3+CH2O-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-->[CH3OOH]	4.177E-05	2	8.3549E-05	1.20620896
73	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+ipropyl-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl-- >[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-->[CO]	8.43E-05	3	0.00025289	1.20646185
74	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[acetaldehyde]	1.915E-05	2	3.831E-05	1.20650016

75	[OH]C3H8+OH=>ipropyl+H2O--				
	>[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl--				
	>[ipropylooh]ipropylooh=>ipropyloxy+OH--				
	>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde--				
	>[CH3]CH3OO+C3H8=>CH3OOH+ipropyl--				
	>[CH3OOH]CH3OOH=>CH3O+OH--				
	>[CH3O]CH3O+O2=>CH2O+HO2--				
	>[HO2]C3H8+HO2=>npropyl+H2O2--				
	>[npropyl]well_1=>OH+prod_1--				
	>[prod_1]prod_1=>frag_1+OH--				
76	>[frag_1]frag_1=>vinoxy+CH2O--				
	>[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO]	0	5	0	1.20650016
	[OH]C3H8+OH=>ipropyl+H2O--				
	>[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl--				
	>[ipropylooh]ipropylooh=>ipropyloxy+OH--				
	>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde--				
	>[CH3]CH3OO+C3H8=>CH3OOH+npropyl--				
	>[CH3OOH]CH3OOH=>CH3O+OH--				
	>[CH3O]CH3O+O2=>CH2O+HO2--				
	>[HO2]C3H8+HO2=>ipropyl+H2O2--				
77	>[ipropyl]ipropyloo=>HO2+C3H6-->[C3H6]	0	2	0	1.20650016
	[OH]C3H8+OH=>ipropyl+H2O--				
	>[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl--				
	>[ipropylooh]ipropylooh=>ipropyloxy+OH--				
	>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde--				
	>[CH3]CH3OO+C3H8=>CH3OOH+ipropyl--				
	>[CH3OOH]CH3OOH=>CH3O+OH--				
	>[CH3O]CH3O+M=>CH2O+H+M-->[H]H+O2(+M)=>HO2(+M)--				
	>[HO2]HO2+HO2=>H2O2+O2-->[O2]	0	2	0	1.20650016
	[OH]C3H8+OH=>ipropyl+H2O--				
78	>[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl--				
	>[ipropylooh]ipropylooh=>ipropyloxy+OH--				
	>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde--				
	>[acetaldehyde]acetaldehyde+HO2=>acetyl+H2O2--				
	>[acetyl]acetyl(+M)=>CH3+CO(+M)-->[CO]	3.602E-05	1	3.6015E-05	1.20653618
	[OH]C3H8+OH=>ipropyl+H2O--				
	>[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl--				
	>[ipropylooh]ipropylooh=>ipropyloxy+OH--				
	>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde--				
	>[CH3]CH3OO+C3H8=>CH3OOH+ipropyl--				
79	>[CH3OOH]CH3OOH=>CH3O+OH--				
	>[CH3O]CH3O+O2=>CH2O+HO2--				
	>[HO2]C3H8+HO2=>ipropyl+H2O2--				
	>[ipropyl]ipropyloo=>HO2+C3H6-->[C3H6]	0	2	0	1.20653618

80	[OH]C3H8+OH=>npropyl+H2O--				
	>[npropyl]npropyloo+C3H8=>npropylooh+ipropyl--				
	>[npropylooh]npropylooh=>npropyloxy+OH--				
	>[npropyloxy]npropyloxy=>C2H5+CH2O--				
	>[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+ipropyl--				
	>[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH--				
	>[ethoxy]ethoxy=>CH3+CH2O--				
	>[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-->[CH3OOH]	7.172E-05	2	0.00014344	1.20667961
81	[OH]C3H8+OH=>ipropyl+H2O--				
	>[ipropyl]O2+ipropyl=>HO2+C3H6--				
81	>[C3H6]C3H6+HO2=>propen1ol+OH-->[propen1ol]	7.226E-05	1	7.2259E-05	1.20675187
82	[OH]C3H8+OH=>npropyl+H2O--				
	>[npropyl]O2+npropyl=>QOOH_2--				
	>[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]	7.329E-05	1	7.3294E-05	1.20682517
83	[OH]C3H8+OH=>ipropyl+H2O--				
	>[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl--				
	>[npropyl]well_1=>HO2+prod_2--				
	>[prod_2]prod_2=>allyloxy+OH--				
	>[allyloxy]allyloxy=>acrolein+H-->[acrolein]	6.493E-05	1	6.4929E-05	1.20689009
84	[OH]C3H8+OH=>ipropyl+H2O--				
	>[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl--				
	>[ipropylooh]ipropylooh=>ipropyloxy+OH--				
	>[ipropyloxy]ipropyloxy=>CH3+acetaldehyde--				
	>[CH3]CH3OO+C3H8=>CH3OOH+npropyl--				
	>[CH3OOH]CH3OOH=>CH3O+OH--				
	>[CH3O]CH3O+O2=>CH2O+HO2-->[CH2O]	0	2	0	1.20689009
85	[OH]C3H8+OH=>ipropyl+H2O--				
	>[ipropyl]ipropyloo=>HO2+C3H6--				
	>[C3H6]C3H6+HO2=>allyl+H2O2-->[allyl]allyl+HO2=>prod_2-				
	->[prod_2]prod_2=>allyloxy+OH--				
	>[allyloxy]allyloxy=>acrolein+H-->[acrolein]	6.498E-05	1	6.4984E-05	1.20695508
86	[OH]C3H8+OH=>ipropyl+H2O--				
	>[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl--				
	>[ipropylooh]ipropylooh=>ipropyloxy+OH--				
86	>[ipropyloxy]ipropyloxy=>acetone+H-->[acetone]	6.617E-05	1	6.6172E-05	1.20702125
87	[OH]C3H8+OH=>npropyl+H2O--				
	>[npropyl]npropyloo=>HO2+C3H6--				
	>[C3H6]C3H6+HO2=>propen1ol+OH-->[propen1ol]	6.376E-05	1	6.3763E-05	1.20708501

88	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+npropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-- >[CH3O]CH3O+M=>CH2O+H+M-->[H]H+O2(+M)=>HO2(+M)-- >[HO2]C3H8+HO2=>ipropyl+H2O2-- >[ipropyl]ipropyloo=>HO2+C3H6-->[C3H6]	0	2	0	1.20708501
	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl-- >[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH-- >[ethoxy]ethoxy=>CH3+CH2O-- >[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]	3.241E-05	2	6.4821E-05	1.20714983
90	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl-- >[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH-- >[ethoxy]ethoxy=>CH3+CH2O-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[ipropyl]ipropyloo=>HO2+C3H6-->[C3H6]	2.988E-05	2	5.9767E-05	1.2072096
	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl-- >[npropyl]npropyloo=>HO2+C3H6-->[C3H6]	3.025E-05	1	3.0246E-05	1.20723985
92	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-- >[CH3O]CH3O+M=>CH2O+H+M-->[H]H+O2(+M)=>HO2(+M)-- >[HO2]C3H8+HO2=>npropyl+H2O2-- >[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-->[CO]	0	5	0	1.20723985

93	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]O2+QOOH_1=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-- >[allyloxy]vinoxylmethyl=>acrolein+H-->[acrolein]	5.463E-05	1	5.4625E-05	1.20729447
94	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+ipropyl-- >[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH-- >[ethoxy]ethoxy=>CH3+CH2O-- >[CH3]CH3OO+C3H8=>CH3OOH+npropyl-- >[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-->[CO]	2.992E-05	5	0.00014961	1.20744408
95	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+npropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-- >[CH3O]CH3O+M=>CH2O+H+M-->[CH2O]	0	2	0	1.20744408
96	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+ipropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl-- >[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH-- >[ethoxy]ethoxy=>CH3+CH2O-- >[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]	5.516E-05	2	0.00011032	1.2075544
97	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+ipropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]npropyloxy=>C2H5+CH2O-- >[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl-- >[npropyl]npropyloo=>HO2+C3H6-->[C3H6]	5.193E-05	1	5.1927E-05	1.20760633
98	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+ipropyl-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[acetaldehyde]	5.237E-05	1	5.2365E-05	1.20765869

99	[OH]C3H8+OH=>npropyl+H2O--				
	>[npropyl]npropyloo+C3H8=>npropylooh+ipropyl--				
	>[npropylooh]npropylooh=>npropyloxy+OH--				
	>[npropyloxy]npropyloxy=>C2H5+CH2O--				
	>[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl--				
	>[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH--				
	>[ethoxy]ethoxy=>CH3+CH2O--				
	>[CH3]CH3OO+C3H8=>CH3OOH+ipropyl--				
	>[ipropyl]ipropyloo=>HO2+C3H6-->[C3H6]	5.187E-05	2	0.00010374	1.20776244
	[OH]C3H8+OH=>npropyl+H2O--				
100	>[npropyl]well_1=>HO2+prod_2--				
	>[prod_2]prod_2=>allyloxy+OH--				
	>[allyloxy]allyloxy=>acrolein+H--				
	>[acrolein]acrolein+HO2=>CH2CHCO+H2O2--				
	>[CH2CHCO]CH2CHCO+O2=>vinoxyl+CO2-->[CO2]	5.257E-05	1	5.2567E-05	1.207815
	[OH]C3H8+OH=>npropyl+H2O--				