

	Pathway Name	Pathway Probability	#OH	f	cumulative f
1	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>OH+prod_1-->[prod_1]	3.78E-01	1	3.78E-01	3.78E-01
2	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>OH+prod_1-- >[prod_1]prod_1=>frag_1+OH-->[frag_1]	3.78E-01	1	3.78E-01	7.55E-01
3	[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]	3.78E-01	1	3.78E-01	1.13E+00
4	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropylooh+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]	2.07E-02	1	2.07E-02	1.15E+00
5	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropylooh+C3H8=>npropylooh+ipropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]	1.80E-02	1	1.80E-02	1.17E+00
6	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropylooh+C3H8=>ipropylooh+npropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]	1.21E-02	1	1.21E-02	1.18E+00
7	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropylooh+C3H8=>ipropylooh+ipropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+ipropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O]	1.14E-02	1	1.14E-02	1.20E+00
8	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropylooh+C3H8=>npropylooh+npropyl-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]	1.05E-02	1	1.05E-02	1.21E+00
9	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	9.37E-03	1	9.37E-03	1.21E+00

10	[OH]C3H8+OH=>iipropyl+H2O-- >[iipropyl]iipropyloo+C3H8=>iipropylooh+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]	9.20E-03	1	9.20E-03	1.22E+00
11	[OH]C3H8+OH=>iipropyl+H2O-- >[iipropyl]iipropyloo+C3H8=>iipropylooh+npropyl-- >[npropyl]well_1=>OH+prod_1-- >[prod_1]prod_1=>frag_1+OH-->[frag_1]	9.20E-03	1	9.20E-03	1.23E+00
12	[OH]C3H8+OH=>iipropyl+H2O-- >[iipropyl]iipropyloo+C3H8=>iipropylooh+npropyl-- >[npropyl]well_1=>OH+prod_1-->[prod_1]	9.20E-03	1	9.20E-03	1.24E+00
13	[OH]C3H8+OH=>iipropyl+H2O-- >[iipropyl]iipropyloo+C3H8=>iipropylooh+npropyl-- >[iipropylooh]iipropylooh=>iipropyloxy+OH-- >[iipropyloxy]iipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+iipropyl-- >[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O]	6.67E-03	1	6.67E-03	1.25E+00
14	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo=>OH+propoxide-->[propoxide]	4.53E-03	1	4.53E-03	1.25E+00
15	[OH]C3H8+OH=>iipropyl+H2O-- >[iipropyl]iipropyloo+C3H8=>iipropylooh+iipropyl-- >[iipropylooh]iipropylooh=>iipropyloxy+OH-- >[iipropyloxy]iipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+npropyl-- >[npropyl]well_1=>OH+prod_1-->[prod_1]	3.90E-03	1	3.90E-03	1.26E+00
16	[OH]C3H8+OH=>iipropyl+H2O-- >[iipropyl]iipropyloo+C3H8=>iipropylooh+iipropyl-- >[iipropylooh]iipropylooh=>iipropyloxy+OH-- >[iipropyloxy]iipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+npropyl-- >[npropyl]well_1=>OH+prod_1-- >[prod_1]prod_1=>frag_1+OH-->[frag_1]	3.90E-03	1	3.90E-03	1.26E+00

17	$[OH]C_3H_8 + OH \Rightarrow ipropyl + H_2O$ -- $>[ipropyl]ipropylo + C_3H_8 \Rightarrow ipropylooh + ipropyl$ -- $>[ipropylooh]ipropylooh \Rightarrow ipropyloxy + OH$ -- $>[ipropyloxy]ipropyloxy \Rightarrow CH_3 + \text{acetaldehyde}$ -- $>[CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + npropyl$ -- $>[npropyl]well_1 \Rightarrow OH + prod_1$ -- $>[prod_1]prod_1 \Rightarrow frag_1 + OH$ -- $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O$ -- $>[vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CO]$	3.90E-03	1	3.90E-03	1.27E+00
18	$[OH]C_3H_8 + OH \Rightarrow ipropyl + H_2O$ -- $>[ipropyl]ipropylo + C_3H_8 \Rightarrow ipropylooh + ipropyl$ -- $>[ipropylooh]ipropylooh \Rightarrow ipropyloxy + OH$ -- $>[ipropyloxy]ipropyloxy \Rightarrow CH_3 + \text{acetaldehyde}$ -- $>[CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + npropyl$ -- $>[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$	3.82E-03	1	3.82E-03	1.27E+00
19	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]npropylo + C_3H_8 \Rightarrow npropylooh + ipropyl$ -- $>[npropylooh]npropylooh \Rightarrow npropyloxy + OH$ -- $>[npropyloxy]npropyloxy \Rightarrow C_2H_5 + CH_2O$ -- $>[C_2H_5]CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + ipropyl$ -- $>[CH_3CH_2OOH]CH_3CH_2OOH \Rightarrow \text{ethoxy} + OH$ -- $>[ethoxy]$	3.71E-03	1	3.71E-03	1.27E+00
20	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]npropylo \Rightarrow QOOH_2$ -- $>[QOOH_2]QOOH_2 \Rightarrow OH + \text{propoxide} \rightarrow [propoxide]$	3.18E-03	1	3.18E-03	1.28E+00
21	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]O_2 + QOOH_1 \Rightarrow OH + OH + frag_1$ -- $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O$ -- $>[vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH \rightarrow [CO]$	2.92E-03	1	2.92E-03	1.28E+00
22	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]O_2 + QOOH_1 \Rightarrow OH + OH + frag_1 \rightarrow [frag_1]$	2.92E-03	1	2.92E-03	1.28E+00

23	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>OH+prod_1-- >[prod_1]prod_1=>frag_1+OH-- >[frag_1]frag_1=>vinoxy+CH2O-- >[CH2O]ipropyloo+CH2O=>ipropylooh+HCO-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]	2.63E-03	1	2.63E-03	1.28E+00
24	[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-- >[CH2O]ipropyloo+CH2O=>ipropylooh+HCO-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]	2.63E-03	1	2.63E-03	1.29E+00
25	[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-- >[CH2O]npropyloo+CH2O=>npropylooh+HCO-- >[npropylooh]npropylooh=>npropyloxy+OH-- >[npropyloxy]	2.35E-03	1	2.35E-03	1.29E+00
26	[OH]C3H8+OH=>npropyl+H2O-- >[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]	2.35E-03	1	2.35E-03	1.29E+00
27	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl-- >[ipropylooh]ipropylooh=>ipropyloxy+OH-- >[ipropyloxy]ipropyloxy=>CH3+acetaldehyde-- >[CH3]CH3OO+C3H8=>CH3OOH+npropyl-- >[npropyl]well_1=>OH+prod_1-->[prod_1]	2.28E-03	1	2.28E-03	1.29E+00

28	<p>[OH]C3H8+OH=>iipropyl+H2O--</p> <p>>[iipropyl]iipropyloo+C3H8=>iipropylooh+npropyl--</p> <p>>[iipropylooh]iipropylooh=>iipropyloxy+OH--</p> <p>>[iipropyloxy]iipropyloxy=>CH3+acetaldehyde--</p> <p>>[CH3]CH3OO+C3H8=>CH3OOH+npropyl--</p> <p>>[npropyl]well_1=>OH+prod_1--</p> <p>>[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH2O--</p> <p>>[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO]</p>	2.28E-03	1	2.28E-03	1.30E+00
29	<p>[OH]C3H8+OH=>iipropyl+H2O--</p> <p>>[iipropyl]iipropyloo+C3H8=>iipropylooh+npropyl--</p> <p>>[iipropylooh]iipropylooh=>iipropyloxy+OH--</p> <p>>[iipropyloxy]iipropyloxy=>CH3+acetaldehyde--</p> <p>>[CH3]CH3OO+C3H8=>CH3OOH+npropyl--</p> <p>>[npropyl]well_1=>OH+prod_1--</p> <p>>[prod_1]prod_1=>frag_1+OH-->[frag_1]</p>	2.27E-03	1	2.27E-03	1.30E+00
30	<p>[OH]C3H8+OH=>iipropyl+H2O--</p> <p>>[iipropyl]iipropyloo+C3H8=>iipropylooh+npropyl--</p> <p>>[iipropylooh]iipropylooh=>iipropyloxy+OH--</p> <p>>[iipropyloxy]iipropyloxy=>CH3+acetaldehyde--</p> <p>>[CH3]CH3OO+C3H8=>CH3OOH+npropyl--</p> <p>>[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O]</p>	2.22E-03	1	2.22E-03	1.30E+00
31	<p>[OH]C3H8+OH=>npropyl+H2O--</p> <p>>[npropyl]npropyloo+C3H8=>npropylooh+npropyl--</p> <p>>[npropylooh]npropylooh=>npropyloxy+OH--</p> <p>>[npropyloxy]npropyloxy=>C2H5+CH2O--</p> <p>>[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+iipropyl--</p> <p>>[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH--</p> <p>>[ethoxy]</p>	2.16E-03	1	2.16E-03	1.30E+00
32	<p>[OH]C3H8+OH=>npropyl+H2O--</p> <p>>[npropyl]npropyloo+C3H8=>npropylooh+iipropyl--</p> <p>>[npropylooh]npropylooh=>npropyloxy+OH--</p> <p>>[npropyloxy]npropyloxy=>C2H5+CH2O--</p> <p>>[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl--</p> <p>>[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH--</p> <p>>[ethoxy]</p>	1.24E-03	1	1.24E-03	1.30E+00

33	<p>[OH]C3H8+OH=>npropyl+H2O--</p> <p>>[npropyl]npropyloo+C3H8=>npropylooh+ipropyl--</p> <p>>[npropylooh]npropylooh=>npropyloxy+OH--</p> <p>>[npropyloxy]npropyloxy=>C2H5+CH2O--</p> <p>>[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl--</p> <p>>[npropyl]well_1=>OH+prod_1--</p> <p>>[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH2O--</p> <p>>[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO]</p>	1.24E-03	1	1.24E-03	1.31E+00
34	<p>[OH]C3H8+OH=>npropyl+H2O--</p> <p>>[npropyl]npropyloo+C3H8=>npropylooh+ipropyl--</p> <p>>[npropylooh]npropylooh=>npropyloxy+OH--</p> <p>>[npropyloxy]npropyloxy=>C2H5+CH2O--</p> <p>>[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl--</p> <p>>[npropyl]well_1=>OH+prod_1-->[prod_1]</p>	1.23E-03	1	1.23E-03	1.31E+00
35	<p>[OH]C3H8+OH=>npropyl+H2O--</p> <p>>[npropyl]npropyloo+C3H8=>npropylooh+ipropyl--</p> <p>>[npropylooh]npropylooh=>npropyloxy+OH--</p> <p>>[npropyloxy]npropyloxy=>C2H5+CH2O--</p> <p>>[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+npropyl--</p> <p>>[npropyl]well_1=>OH+prod_1--</p> <p>>[prod_1]prod_1=>frag_1+OH-->[frag_1]</p>	1.23E-03	1	1.23E-03	1.31E+00
36	<p>[OH]C3H8+OH=>ipropyl+H2O--</p> <p>>[ipropyl]ipropyloo=>QOOH_3--</p> <p>>[QOOH_3]QOOH_3=>OH+propoxide-->[propoxide]</p>	1.08E-03	1	1.08E-03	1.31E+00
37	<p>[OH]C3H8+OH=>ipropyl+H2O--</p> <p>>[ipropyl]ipropyloo=>OH+propoxide-->[propoxide]</p>	9.46E-04	1	9.46E-04	1.31E+00
38	<p>[OH]C3H8+OH=>npropyl+H2O--</p> <p>>[npropyl]npropyloo+C3H8=>npropylooh+ipropyl--</p> <p>>[ipropyl]ipropyloo+C3H8=>ipropylooh+ipropyl--</p> <p>>[ipropylooh]ipropylooh=>ipropyloxy+OH--</p> <p>>[ipropyloxy]</p>	7.59E-04	1	7.59E-04	1.31E+00

39	<chem>[OH]C3H8+OH=>npropyl+H2O--</chem> <chem>>[npropyl]O2+QOOH_1=>HO2+prod_2--</chem> <chem>>[prod_2]prod_2=>allyloxy+OH-->[allyloxy]</chem>	7.25E-04	1	7.25E-04	1.31E+00
40	<chem>[OH]C3H8+OH=>npropyl+H2O--</chem> <chem>>[npropyl]npropylo+ C3H8=>npropylooh+npropyl--</chem> <chem>>[npropylooh]npropylooh=>npropyloxy+OH--</chem> <chem>>[npropyloxy]npropyloxy=>C2H5+CH2O--</chem> <chem>>[C2H5]CH3CH2OO+ C3H8=>CH3CH2OOH+npropyl--</chem> <chem>>[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH--</chem> <chem>>[ethoxy]</chem>	7.21E-04	1	7.21E-04	1.31E+00
41	<chem>[OH]C3H8+OH=>npropyl+H2O--</chem> <chem>>[npropyl]npropylo+ C3H8=>npropylooh+npropyl--</chem> <chem>>[npropylooh]npropylooh=>npropyloxy+OH--</chem> <chem>>[npropyloxy]npropyloxy=>C2H5+CH2O--</chem> <chem>>[C2H5]CH3CH2OO+ C3H8=>CH3CH2OOH+npropyl--</chem> <chem>>[npropyl]well_1=>OH+prod_1--</chem> <chem>>[prod_1]prod_1=>frag_1+OH--</chem> <chem>>[frag_1]frag_1=>vinoxy+CH2O--</chem> <chem>>[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO]</chem>	7.20E-04	1	7.20E-04	1.31E+00
42	<chem>[OH]C3H8+OH=>npropyl+H2O--</chem> <chem>>[npropyl]npropylo+ C3H8=>npropylooh+npropyl--</chem> <chem>>[npropylooh]npropylooh=>npropyloxy+OH--</chem> <chem>>[npropyloxy]npropyloxy=>C2H5+CH2O--</chem> <chem>>[C2H5]CH3CH2OO+ C3H8=>CH3CH2OOH+npropyl--</chem> <chem>>[npropyl]well_1=>OH+prod_1-->[prod_1]</chem>	7.20E-04	1	7.20E-04	1.31E+00
43	<chem>[OH]C3H8+OH=>npropyl+H2O--</chem> <chem>>[npropyl]npropylo+ C3H8=>npropylooh+npropyl--</chem> <chem>>[npropylooh]npropylooh=>npropyloxy+OH--</chem> <chem>>[npropyloxy]npropyloxy=>C2H5+CH2O--</chem> <chem>>[C2H5]CH3CH2OO+ C3H8=>CH3CH2OOH+npropyl--</chem> <chem>>[npropyl]well_1=>OH+prod_1--</chem> <chem>>[prod_1]prod_1=>frag_1+OH-->[frag_1]</chem>	7.19E-04	1	7.19E-04	1.31E+00

44	<p>[OH]C3H8+OH=>iipropyl+H2O--</p> <p>>[iipropyl]iipropyloo+C3H8=>iipropylooh+iipropyl--</p> <p>>[iipropylooh]iipropylooh=>iipropyloxy+OH--</p> <p>>[iipropyloxy]iipropyloxy=>CH3+acetaldehyde--</p> <p>>[CH3]CH3OO+C3H8=>CH3OOH+iipropyl--</p> <p>>[iipropyl]iipropyloo+C3H8=>iipropylooh+iipropyl--</p> <p>>[iipropylooh]iipropylooh=>iipropyloxy+OH--</p> <p>>[iipropyloxy]</p>	6.46E-04	1	6.46E-04	1.32E+00
45	<p>[OH]C3H8+OH=>npropyl+H2O--</p> <p>>[npropyl]npropyloo+C3H8=>npropylooh+npropyl--</p> <p>>[npropylooh]npropylooh=>npropyloxy+OH--</p> <p>>[npropyloxy]npropyloxy=>C2H5+CH2O--</p> <p>>[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+iipropyl--</p> <p>>[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH--</p> <p>>[ethoxy]ethoxy=>CH3+CH2O--</p> <p>>[CH3]CH3OO+C3H8=>CH3OOH+iipropyl--</p> <p>>[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O]</p>	6.18E-04	1	6.18E-04	1.32E+00
46	<p>[OH]C3H8+OH=>iipropyl+H2O--</p> <p>>[iipropyl]O2+iipropyl=>OH+propoxide-->[propoxide]</p>	5.87E-04	1	5.87E-04	1.32E+00
47	<p>[OH]C3H8+OH=>npropyl+H2O--</p> <p>>[npropyl]well_1=>OH+prod_1--</p> <p>>[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH2O--</p> <p>>[vinoxy]vinoxy+O2=>CH2O+CO+OH--</p> <p>>[CH2O]CH3CH2OO+CH2O=>CH3CH2OOH+HCO--</p> <p>>[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH--</p> <p>>[ethoxy]</p>	5.68E-04	1	5.68E-04	1.32E+00
48	<p>[OH]C3H8+OH=>npropyl+H2O--</p> <p>>[npropyl]well_1=>OH+prod_1--</p> <p>>[prod_1]prod_1=>frag_1+OH--</p> <p>>[frag_1]frag_1=>vinoxy+CH2O--</p> <p>>[CH2O]CH3CH2OO+CH2O=>CH3CH2OOH+HCO--</p> <p>>[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH--</p> <p>>[ethoxy]</p>	5.63E-04	1	5.63E-04	1.32E+00

49	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]well_1 \Rightarrow OH + prod_1$ -- $>[prod_1]prod_1 \Rightarrow frag_1 + OH$ -- $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O$ -- $>[vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH$ -- $>[CH_2O]CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO$ -- $>[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$	5.46E-04	1	5.46E-04	1.32E+00
50	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]well_1 \Rightarrow OH + prod_1$ -- $>[prod_1]prod_1 \Rightarrow frag_1 + OH$ -- $>[frag_1]frag_1 \Rightarrow vinoxy + CH_2O$ -- $>[CH_2O]CH_3OO + CH_2O \Rightarrow CH_3OOH + HCO$ -- $>[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$	5.44E-04	1	5.44E-04	1.32E+00
51	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]O_2 + npropyl \Rightarrow OH + propoxide$ -- $>[propoxide]$	5.13E-04	1	5.13E-04	1.32E+00
52	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]well_1 \Rightarrow OH + prod_3$ -- $>[prod_3]prod_3 \Rightarrow frag_3 + OH \rightarrow [frag_3]$	4.90E-04	1	4.90E-04	1.32E+00
53	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]well_1 \Rightarrow OH + prod_3 \rightarrow [prod_3]$	4.90E-04	1	4.90E-04	1.32E+00
54	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]npropylo + C_3H_8 \Rightarrow npropylooh + ipropyl$ -- $>[ipropyl]ipropylo + C_3H_8 \Rightarrow ipropylooh + npropyl$ -- $>[ipropylooh]ipropylooh \Rightarrow ipropyloxy + OH$ -- $>[ipropyloxy]$	4.42E-04	1	4.42E-04	1.32E+00
55	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]npropylo + C_3H_8 \Rightarrow npropylooh + ipropyl$ -- $>[npropylooh]npropylooh \Rightarrow npropyloxy + OH$ -- $>[npropyloxy]npropyloxy \Rightarrow C_2H_5 + CH_2O$ -- $>[C_2H_5]CH_3CH_2OO + C_3H_8 \Rightarrow CH_3CH_2OOH + ipropyl$ -- $>[CH_3CH_2OOH]CH_3CH_2OOH \Rightarrow ethoxy + OH$ -- $>[ethoxy]ethoxy \Rightarrow CH_3 + CH_2O$ -- $>[CH_3]CH_3OO + HO_2 \Rightarrow CH_3OOH + O_2$ -- $>[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH \rightarrow [CH_3O]$	4.40E-04	1	4.40E-04	1.32E+00

56	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]npropylo + C_3H_8 \Rightarrow npropylooh + ipropyl$ -- $>[ipropyl]ipropylo + C_3H_8 \Rightarrow ipropylooh + ipropyl$ -- $>[ipropylooh]ipropylooh \Rightarrow ipropyloxy + OH$ -- $>[ipropyloxy]ipropyloxy \Rightarrow CH_3 + acetaldehyde$ -- $>[CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + ipropyl$ -- $>[CH_3OOH]CH_3OOH \Rightarrow CH_3O + OH$ -->[CH3O]	4.17E-04	1	4.17E-04	1.32E+00
57	$[OH]C_3H_8 + OH \Rightarrow ipropyl + H_2O$ -- $>[ipropyl]ipropylo + C_3H_8 \Rightarrow ipropylooh + npropyl$ -- $>[npropyl]npropylo + C_3H_8 \Rightarrow npropylooh + ipropyl$ -- $>[npropylooh]npropylooh \Rightarrow npropyloxy + OH$ -- $>[npropyloxy]$	4.08E-04	1	4.08E-04	1.32E+00
58	$[OH]C_3H_8 + OH \Rightarrow ipropyl + H_2O$ -- $>[ipropyl]ipropylo + C_3H_8 \Rightarrow ipropylooh + npropyl$ -- $>[ipropylooh]ipropylooh \Rightarrow ipropyloxy + OH$ -- $>[ipropyloxy]ipropyloxy \Rightarrow CH_3 + acetaldehyde$ -- $>[CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + ipropyl$ -- $>[ipropyl]ipropylo + C_3H_8 \Rightarrow ipropylooh + ipropyl$ -- $>[ipropylooh]ipropylooh \Rightarrow ipropyloxy + OH$ -- $>[ipropyloxy]$	3.77E-04	1	3.77E-04	1.32E+00
59	$[OH]C_3H_8 + OH \Rightarrow ipropyl + H_2O$ -- $>[ipropyl]ipropylo + C_3H_8 \Rightarrow ipropylooh + ipropyl$ -- $>[ipropylooh]ipropylooh \Rightarrow ipropyloxy + OH$ -- $>[ipropyloxy]ipropyloxy \Rightarrow CH_3 + acetaldehyde$ -- $>[CH_3]CH_3OO + C_3H_8 \Rightarrow CH_3OOH + ipropyl$ -- $>[ipropyl]ipropylo + C_3H_8 \Rightarrow ipropylooh + npropyl$ -- $>[ipropylooh]ipropylooh \Rightarrow ipropyloxy + OH$ -- $>[ipropyloxy]$	3.77E-04	1	3.77E-04	1.32E+00
60	$[OH]C_3H_8 + OH \Rightarrow ipropyl + H_2O$ -- $>[ipropyl]ipropylo \Rightarrow HO_2 + C_3H_6$ -- $>[C_3H_6]C_3H_6 + HO_2 \Rightarrow propen1ol + OH$ -->[propen1ol]	3.48E-04	1	3.48E-04	1.32E+00

61	<p>[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]</p>	3.38E-04	1	3.38E-04	1.32E+00
62	<p>[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo+C3H8=>npropylooh+ipropyl-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl-- >[npropyl]well_1=>OH+prod_1-->[prod_1]</p>	3.38E-04	1	3.38E-04	1.32E+00
63	<p>[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]</p>	3.37E-04	1	3.37E-04	1.32E+00
64	<p>[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]well_1=>OH+prod_1-- >[prod_1]prod_1=>frag_1+OH-- >[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]</p>	3.28E-04	1	3.28E-04	1.32E+00
65	<p>[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+npropyl-- >[npropyl]well_1=>OH+prod_1-- >[prod_1]prod_1=>frag_1+OH-->[frag_1]</p>	2.89E-04	1	2.89E-04	1.32E+00

66	<p>[OH]C3H8+OH=>iipropyl+H2O--</p> <p>>[iipropyl]iipropyloo+C3H8=>iipropylooh+iipropyl--</p> <p>>[iipropylooh]iipropylooh=>iipropyloxy+OH--</p> <p>>[iipropyloxy]iipropyloxy=>CH3+acetaldehyde--</p> <p>>[CH3]CH3OO+C3H8=>CH3OOH+iipropyl--</p> <p>>[iipropyl]iipropyloo+C3H8=>iipropylooh+npropyl--</p> <p>>[npropyl]well_1=>OH+prod_1-->[prod_1]</p>	2.89E-04	1	2.89E-04	1.32E+00
67	<p>[OH]C3H8+OH=>iipropyl+H2O--</p> <p>>[iipropyl]iipropyloo=>HO2+C3H6--</p> <p>>[C3H6]C3H6+OH=>allyl+H2O--</p> <p>>[allyl]allyl+HO2=>prod_2--</p> <p>>[prod_2]prod_2=>allyloxy+OH-->[allyloxy]</p>	2.76E-04	1	2.76E-04	1.32E+00
68	<p>[OH]C3H8+OH=>npropyl+H2O--</p> <p>>[npropyl]npropyloo+C3H8=>npropylooh+npropyl--</p> <p>>[npropylooh]npropylooh=>npropyloxy+OH--</p> <p>>[npropyloxy]npropyloxy=>C2H5+CH2O--</p> <p>>[C2H5]CH3CH2OO+C3H8=>CH3CH2OOH+iipropyl--</p> <p>>[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH--</p> <p>>[ethoxy]ethoxy=>CH3+CH2O--</p> <p>>[CH3]CH3OO+HO2=>CH3OOH+O2--</p> <p>>[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O]</p>	2.59E-04	1	2.59E-04	1.33E+00
69	<p>[OH]C3H8+OH=>iipropyl+H2O--</p> <p>>[iipropyl]iipropyloo+C3H8=>iipropylooh+npropyl--</p> <p>>[npropyl]npropyloo+C3H8=>npropylooh+npropyl--</p> <p>>[npropylooh]npropylooh=>npropyloxy+OH--</p> <p>>[npropyloxy]</p>	2.38E-04	1	2.38E-04	1.33E+00
70	<p>[OH]C3H8+OH=>iipropyl+H2O--</p> <p>>[iipropyl]iipropyloo+C3H8=>iipropylooh+npropyl--</p> <p>>[npropyl]well_1=>HO2+prod_2--</p> <p>>[prod_2]prod_2=>allyloxy+OH-->[allyloxy]</p>	2.28E-04	1	2.28E-04	1.33E+00
71	<p>[OH]C3H8+OH=>iipropyl+H2O--</p> <p>>[iipropyl]O2+iipropyl=>QOOH_3--</p> <p>>[QOOH_3]QOOH_3=>OH+propoxide-->[propoxide]</p>	1.55E-04	1	1.55E-04	1.33E+00

72	$[OH]C_3H_8 + OH \Rightarrow ipropyl + H_2O$ -- $>[ipropyl]ipropylo \Rightarrow HO_2 + C_3H_6$ -- $>[C_3H_6]HO_2 + C_3H_6 \Rightarrow OH + propoxide$ -->[propoxide]	1.54E-04	1	1.54E-04	1.33E+00
73	$[OH]C_3H_8 + OH \Rightarrow ipropyl + H_2O$ -- $>[ipropyl]ipropylo \Rightarrow HO_2 + C_3H_6$ -- $>[C_3H_6]C_3H_6 + HO_2 \Rightarrow allyl + H_2O_2$ -- $>[allyl]allyl + HO_2 \Rightarrow prod_2$ -- $>[prod_2]prod_2 \Rightarrow allyloxy + OH$ -->[allyloxy]	1.14E-04	1	1.14E-04	1.33E+00
74	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]well_1 \Rightarrow HO_2 + prod_2$ -- $>[prod_2]prod_2 \Rightarrow allyloxy + OH$ -- $>[allyloxy]allyloxy \Rightarrow acrolein + H$ -- $>[acrolein]acrolein + HO_2 \Rightarrow CH_2CHCO + H_2O_2$ -- $>[CH_2CHCO]CH_2CHCO + O_2 \Rightarrow vinoxy + CO_2$ -- $>[vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH$ -->[CO]	1.05E-04	1	1.05E-04	1.33E+00
75	$[OH]C_3H_8 + OH \Rightarrow ipropyl + H_2O$ -- $>[ipropyl]ipropylo + C_3H_8 \Rightarrow ipropylooh + npropyl$ -- $>[npropyl]npropylo \Rightarrow OH + propoxide$ -->[propoxide]	1.03E-04	1	1.03E-04	1.33E+00
76	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]npropylo \Rightarrow QOOH_2$ -- $>[QOOH_2]well_2 \Rightarrow well_3$ -- $>[well_3]QOOH_3 \Rightarrow OH + propoxide$ -->[propoxide]	9.22E-05	1	9.22E-05	1.33E+00
77	$[OH]C_3H_8 + OH \Rightarrow ipropyl + H_2O$ -- $>[ipropyl]ipropylo \Rightarrow HO_2 + C_3H_6$ -- $>[C_3H_6]C_3H_6 + OH \Rightarrow allyl + H_2O$ -- $>[allyl]allyl + HO_2 \Rightarrow allyloxy + OH$ -->[allyloxy]	9.19E-05	1	9.19E-05	1.33E+00
78	$[OH]C_3H_8 + OH \Rightarrow npropyl + H_2O$ -- $>[npropyl]well_1 \Rightarrow HO_2 + prod_2$ -- $>[prod_2]prod_2 \Rightarrow allyloxy + OH$ -- $>[allyloxy]allyloxy \Rightarrow C_2H_3 + CH_2O$ -- $>[C_2H_3]C_2H_3 + O_2 \Rightarrow O + vinoxy$ -- $>[vinoxy]vinoxy + O_2 \Rightarrow CH_2O + CO + OH$ -->[CO]	8.96E-05	1	8.96E-05	1.33E+00
79	$[OH]C_3H_8 + OH \Rightarrow ipropyl + H_2O$ -- $>[ipropyl]O_2 + ipropyl \Rightarrow HO_2 + C_3H_6$ -- $>[C_3H_6]C_3H_6 + HO_2 \Rightarrow propen1ol + OH$ -->[propen1ol]	7.33E-05	1	7.33E-05	1.33E+00

80	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]O2+npropyl=>QOOH_2-- >[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]	7.30E-05	1	7.30E-05	1.33E+00
81	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl-- >[npropyl]npropyloo=>QOOH_2-- >[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]	7.20E-05	1	7.20E-05	1.33E+00
82	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo=>QOOH_2-- >[QOOH_2]well_2=>HO2+prod_2-- >[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	7.02E-05	1	7.02E-05	1.33E+00
83	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo+C3H8=>ipropylooh+npropyl-- >[npropyl]O2+QOOH_1=>OH+OH+frag_1-->[frag_1]	6.96E-05	1	6.96E-05	1.33E+00
84	[OH]C3H8+OH=>npropyl+H2O-- >[npropyl]npropyloo=>HO2+C3H6-- >[C3H6]C3H6+HO2=>propen1ol+OH-->[propen1ol]	6.49E-05	1	6.49E-05	1.33E+00
85	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo=>QOOH_3-- >[QOOH_3]well_3=>OH+prod_4-- >[prod_4]prod_4=>frag_4+OH-->[frag_4]	6.31E-05	1	6.31E-05	1.33E+00
86	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]ipropyloo=>QOOH_3-- >[QOOH_3]well_3=>OH+prod_4-->[prod_4]	6.28E-05	1	6.28E-05	1.33E+00
87	[OH]C3H8+OH=>ipropyl+H2O-- >[ipropyl]O2+ipropyl=>HO2+C3H6-- >[C3H6]C3H6+OH=>allyl+H2O-- >[allyl]allyl+HO2=>prod_2-- >[prod_2]prod_2=>allyloxy+OH-->[allyloxy]	5.78E-05	1	5.78E-05	1.33E+00
88	[OH]C3H8+OH=>npropyl+H2O-- >[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]	5.20E-05	1	5.20E-05	1.33E+00

89	<chem>[OH]C3H8+OH=>npropyl+H2O--</chem> <chem>>[npropyl]npropyloo=>HO2+C3H6--</chem> <chem>>[C3H6]C3H6+OH=>allyl+H2O--</chem> <chem>>[allyl]allyl+HO2=>prod_2--</chem> <chem>>[prod_2]prod_2=>allyloxy+OH-->[allyloxy]</chem>	5.09E-05	1	5.09E-05	1.33E+00
90	<chem>[OH]C3H8+OH=>ipropyl+H2O--</chem> <chem>>[ipropyl]ipropyloo=>QOOH_3--</chem> <chem>>[QOOH_3]well_3=>well_2--</chem> <chem>>[well_2]QOOH_2=>OH+propoxide-->[propoxide]</chem>	5.01E-05	1	5.01E-05	1.33E+00
91	<chem>[OH]C3H8+OH=>ipropyl+H2O--</chem> <chem>>[ipropyl]ipropyloo=>QOOH_3--</chem> <chem>>[QOOH_3]well_3=>well_5--</chem> <chem>>[well_5]well_5=>OH+prod_3-->[prod_3]</chem>	4.68E-05	1	4.68E-05	1.33E+00
92	<chem>[OH]C3H8+OH=>ipropyl+H2O--</chem> <chem>>[ipropyl]ipropyloo=>QOOH_3--</chem> <chem>>[QOOH_3]well_3=>well_5--</chem> <chem>>[well_5]well_5=>OH+prod_3--</chem> <chem>>[prod_3]prod_3=>frag_3+OH-->[frag_3]</chem>	4.67E-05	1	4.67E-05	1.33E+00
93	<chem>[OH]C3H8+OH=>ipropyl+H2O--</chem> <chem>>[ipropyl]ipropyloo=>HO2+C3H6--</chem> <chem>>[C3H6]HO2+C3H6=>QOOH_2--</chem> <chem>>[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]</chem>	4.08E-05	1	4.08E-05	1.33E+00
94	<chem>[OH]C3H8+OH=>npropyl+H2O--</chem> <chem>>[npropyl]npropyloo+C3H8=>npropylooh+ipropyl--</chem> <chem>>[ipropyl]ipropyloo=>QOOH_3--</chem> <chem>>[QOOH_3]QOOH_3=>OH+propoxide-->[propoxide]</chem>	3.89E-05	1	3.89E-05	1.33E+00
95	<chem>[OH]C3H8+OH=>npropyl+H2O--</chem> <chem>>[npropyl]O2+QOOH_1=>OH+prod_3-->[prod_3]</chem>	3.78E-05	1	3.78E-05	1.33E+00
96	<chem>[OH]C3H8+OH=>npropyl+H2O--</chem> <chem>>[npropyl]O2+QOOH_1=>OH+prod_3--</chem> <chem>>[prod_3]prod_3=>frag_3+OH-->[frag_3]</chem>	3.78E-05	1	3.78E-05	1.33E+00
97	<chem>[OH]C3H8+OH=>npropyl+H2O--</chem> <chem>>[npropyl]npropyloo+C3H8=>npropylooh+ipropyl--</chem> <chem>>[ipropyl]ipropyloo=>OH+propoxide-->[propoxide]</chem>	3.46E-05	1	3.46E-05	1.33E+00

98	$[OH]C_3H_8 + OH \Rightarrow i\text{propyl} + H_2O$ -- $>[i\text{propyl}]O_2 + i\text{propyl} \Rightarrow HO_2 + C_3H_6$ -- $>[C_3H_6]HO_2 + C_3H_6 \Rightarrow OH + \text{propoxide}$ -->[propoxide]	3.22E-05	1	3.22E-05	1.33E+00
99	$[OH]C_3H_8 + OH \Rightarrow n\text{propyl} + H_2O$ -- $>[n\text{propyl}]QOOH_1 \Rightarrow QOOH_2$ -- $>[QOOH_2]QOOH_2 \Rightarrow OH + \text{propoxide}$ -->[propoxide]	2.99E-05	1	2.99E-05	1.33E+00
100	$[OH]C_3H_8 + OH \Rightarrow n\text{propyl} + H_2O$ -- $>[n\text{propyl}]n\text{propyl}OO \Rightarrow HO_2 + C_3H_6$ -- $>[C_3H_6]HO_2 + C_3H_6 \Rightarrow OH + \text{propoxide}$ -->[propoxide]	2.87E-05	1	2.87E-05	1.33E+00