|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Reaction | Equation Format | SOHR Index |  |
| 1 | RH+O2=>nR+HO2 |  | 726 |  |
| 2 | RH+O2=>iR+HO2 |  | 724 |  |
| 3 | RH+OH=>nR+H2O |  | 736 |  |
| 4 | RH+OH=>iR+H2O |  | 738 |  |
| 5 | RH+HO2=>iR+H2O2 |  | 740 |  |
| 6 | iROO=>O2+iR |  | 1097 |  |
| 7 | O2QOOH1=>O2+QOOH1 |  | 1117 |  |
| 8 | RH+HO2=>nR+H2O2 |  | 742 |  |
| 9 | O2+iR=>HO2+C3H6 |  | 1100 |  |
| 10 | nROO=>O2+nR |  | 1069 |  |
| 11 | O2QOOH1=>OH+OQ′OOH1 |  | 1162 |  |
| 12 | nROO+RH=>nROOH+iR |  | 710 |  |
| 13 | iROO+RH=>iROOH+iR |  | 712 |  |
| 14 | iROO+RH=>iROOH+nR |  | 708 |  |
| 15 | HO2+HO2=>H2O2+O2 |  | 34 |  |
| 16 | iROO=>HO2+C3H6 |  | 1106 |  |
| 17 | iROOH=>iRO+OH |  | 716 |  |
| 18 | OQ′OOH1=>OQ′O1+OH |  | 1214 |  |
| 19 | CH3OO+RH=>CH3OOH+iR |  | 768 |  |
| 20 | nROOH=>nRO+OH |  | 714 |  |
| 21 | nROO+RH=>nROOH+nR |  | 706 |  |
| 22 | OQ′O1=>vinoxy+CH2O |  | 1222 |  |
| 23 | iRO=>CH3+acetaldehyde |  | 997 |  |
| 24 | CH3CH2OO+RH=>CH3CH2OOH+iR |  | 772 |  |
| 25 | nRO=>C2H5+CH2O |  | 993 |  |
| 26 | CH3OO+RH=>CH3OOH+nR |  | 766 |  |
| 27 | vinoxy+O2=>CH2O+CO+OH |  | 452 |  |
| 28 | O2+nR=>HO2+C3H6 |  | 1074 |  |
| 29 | CH3CH2OO+RH=>CH3CH2OOH+nR |  | 770 |  |
| 30 | CH3OO(+M)=>CH3+O2(+M) |  | 133 |  |
| 31 | CH3CH2OO=>C2H5+O2 |  | 349 |  |
| 32 | nROO=>HO2+C3H6 |  | 1082 |  |
| 33 | QOOH1=>O2+nR |  | 1073 |  |
| 34 | C2H5+O2=>C2H4+HO2 |  | 364 |  |
| 35 | iROO+HO2=>iROOH+O2 |  | 924 |  |
| 36 | O2+QOOH1=>OH+OH+OQ′O1 |  | 1118 |  |
| 37 | nROO+HO2=>nROOH+O2 |  | 922 |  |
| 38 | O2+iR=>OH+propoxide |  | 1102 |  |
| 39 | CH3OO+HO2=>CH3OOH+O2 |  | 142 |  |
| 40 | CH3OOH=>CH3O+OH |  | 154 |  |
| 41 | O2QOOH1=>HO2+prod2 |  | 1164 |  |
| 42 | CH3CH2OOH=>ethoxy+OH |  | 360 |  |
| 43 | H+RH=>H2+iR |  | 728 |  |
| 44 | QOOH3=>OH+propoxide |  | 1112 |  |
| 45 | O2+iR=>QOOH3 |  | 1098 |  |
| 46 | ethoxy=>CH3+CH2O |  | 345 |  |
| 47 | H+O2(+M)=>HO2(+M) |  | 24 |  |
| 48 | CH3O+M=>CH2O+H+M |  | 180 |  |
| 49 | iRO=>acetone+H |  | 615 |  |
| 50 | O2+nR=>OH+propoxide |  | 1076 |  |
| 51 | O2+QOOH1=>HO2+prod2 |  | 1120 |  |
| 52 | RH+CH3O=>nR+CH3OH |  | 762 |  |
| 53 | nROO=>OH+propoxide |  | 1084 |  |
| 54 | iROO+iROO=>O2+iRO+iRO |  | 966 |  |
| 55 | O2QOOH3=>O2 + QOOH3 |  | 1147 |  |
| 56 | O2 + QOOH3=>O2QOOH3 |  | 1146 |  |
| 57 | O2QOOH2=>O2 + QOOH2 |  | 1125 |  |
| 58 | O2 + QOOH2=>O2QOOH2 |  | 1124 |  |
| 59 | O2+QOOH1=>O2QOOH1 |  | 1116 |  |
| 60 | O2+iR=>iROO |  | 1096 |  |
| 61 | QOOH1=>nROO |  | 1081 |  |
| 62 | nROO=>QOOH1 |  | 1080 |  |
| 63 | O2+nR=>nROO |  | 1068 |  |
| 64 | vinoxylmethyl=>allyloxy |  | 1043 |  |
| 65 | allyloxy=>vinoxylmethyl |  | 1042 |  |
| 66 | CH2CH2OH+O2=>O2C2H4OH |  | 587 |  |
| 67 | O2C2H4OH=>CH2CH2OH+O2 |  | 586 |  |
| 68 | acetylperoxy=>acetyl+O2 |  | 435 |  |
| 69 | acetyl+O2=>acetylperoxy |  | 434 |  |
| 70 | C2H5+O2=>CH3CH2OO |  | 348 |  |
| 71 | CH3+O2(+M)=>CH3OO(+M) |  | 132 |  |
| 72 | CH3OO+CH2O=>CH3OOH+HCO |  | 134 |  |
| 73 | CH3CH2OO+CH2O=>CH3CH2OOH+HCO |  | 350 |  |
| 74 | iROO+CH2O=>iROOH+HCO |  | 918 |  |
| 75 | nROO+CH2O=>nROOH+HCO |  | 914 |  |
| 76 | HO2+C3H6=>OH+propoxide |  | 1114 |  |
| 77 | CH3CH2OO+HO2=>CH3CH2OOH+O2 |  | 356 |  |
|  |  |  |  |  |

|  |  |
| --- | --- |
| Index | Pathway |
| 1 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+HO2=>propen1ol+OH-->[propen1ol] |
| 2 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO] |
| 3 | [iR]iROO=>HO2+C3H6-->[C3H6]HO2+C3H6=>OH+propoxide-->[propoxide] |
| 4 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]allyl+HO2=>prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy] |
| 5 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+HO2=>allyl+H2O2-->[allyl]allyl+HO2=>prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy] |
| 6 | [iR]iROO=>HO2+C3H6-->[C3H6]HO2+C3H6=>QOOH2-->[QOOH2]QOOH2=>OH+propoxide-->[propoxide] |
| 7 | [iR]iROO+RH=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-->[iRO] |
| 8 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]allyl+HO2=>allyloxy+OH-->[allyloxy] |
| 9 | [iR]O2+iR=>HO2+C3H6-->[C3H6]C3H6+HO2=>propen1ol+OH-->[propen1ol] |
| 10 | [iR]iROO+RH=>iROOH+nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1] |
| 11 | [iR]iROO+RH=>iROOH+nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1]OQ′OOH1=>OQ′O1+OH-->[OQ′O1] |
| 12 | [iR]iROO+RH=>iROOH+nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1]OQ′OOH1=>OQ′O1+OH-->[OQ′O1]OQ′O1=>vinoxy+CH2O-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 13 | [iR]iROO=>QOOH3-->[QOOH3]QOOH3=>OH+propoxide-->[propoxide] |
| 14 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+HO2=>allyl+H2O2-->[allyl]allyl+HO2=>allyloxy+OH-->[allyloxy] |
| 15 | [iR]iROO=>OH+propoxide-->[propoxide] |
| 16 | [iR]O2+iR=>HO2+C3H6-->[C3H6]HO2+C3H6=>OH+propoxide-->[propoxide] |
| 17 | [iR]O2+iR=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]allyl+HO2=>prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy] |
| 18 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+RH=>CH3OOH+iR-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 19 | [iR]O2+iR=>OH+propoxide-->[propoxide] |
| 20 | [iR]O2+iR=>HO2+C3H6-->[C3H6]C3H6+HO2=>allyl+H2O2-->[allyl]allyl+HO2=>prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy] |
| 21 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1] |
| 22 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1]OQ′OOH1=>OQ′O1+OH-->[OQ′O1] |
| 23 | [iR]O2+iR=>HO2+C3H6-->[C3H6]HO2+C3H6=>QOOH2-->[QOOH2]QOOH2=>OH+propoxide-->[propoxide] |
| 24 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1]OQ′OOH1=>OQ′O1+OH-->[OQ′O1]OQ′O1=>vinoxy+CH2O-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 25 | [iR]O2+iR=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]allyl+HO2=>allyloxy+OH-->[allyloxy] |
| 26 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>iR-->[iR]iROO+HO2=>iROOH+O2-->[iROOH]iROOH=>iRO+OH-->[iRO] |
| 27 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[acetaldehyde]acetaldehyde+HO2=>acetyl+H2O2-->[acetyl]acetyl(+M)=>CH3+CO(+M)-->[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 28 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+RH=>CH3OOH+nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1] |
| 29 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+RH=>CH3OOH+nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1]OQ′OOH1=>OQ′O1+OH-->[OQ′O1] |
| 30 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+RH=>CH3OOH+nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1]OQ′OOH1=>OQ′O1+OH-->[OQ′O1]OQ′O1=>vinoxy+CH2O-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 31 | [iR]iROO=>HO2+C3H6-->[C3H6]HO2+C3H6=>QOOH3-->[QOOH3]QOOH3=>OH+propoxide-->[propoxide] |
| 32 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+RH=>CH3OOH+nR-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 33 | [iR]O2+iR=>HO2+C3H6-->[C3H6]C3H6+HO2=>allyl+H2O2-->[allyl]allyl+HO2=>allyloxy+OH-->[allyloxy] |
| 34 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]iROO+allyl=>iRO+allyloxy-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 35 | [iR]iROO+RH=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+RH=>CH3OOH+iR-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 36 | [iR]O2+iR=>QOOH3-->[QOOH3]QOOH3=>OH+propoxide-->[propoxide] |
| 37 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[acetaldehyde]acetaldehyde+OH=>vinoxy+H2O-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 38 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>nR-->[nR]nROO+HO2=>nROOH+O2-->[nROOH]nROOH=>nRO+OH-->[nRO] |
| 39 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+H=>allyl+H2-->[allyl]allyl+HO2=>prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy] |
| 40 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]allyl+HO2=>prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy]allyloxy=>acrolein+H-->[acrolein]acrolein+HO2=>CH2CHCO+H2O2-->[CH2CHCO]CH2CHCO+O2=>vinoxy+CO2-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 41 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[acetaldehyde]CH3OO+acetaldehyde=>CH3OOH+acetyl-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 42 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>nR-->[nR]nROO=>OH+propoxide-->[propoxide] |
| 43 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>propen2yl+H2O-->[propen2yl]propen2yl+O2=>acetyl+CH2O-->[acetyl]acetyl(+M)=>CH3+CO(+M)-->[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 44 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>iR-->[iR]iROO=>HO2+C3H6-->[C3H6]C3H6+HO2=>propen1ol+OH-->[propen1ol] |
| 45 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]nROO+allyl=>nRO+allyloxy-->[nRO]nRO=>C2H5+CH2O-->[C2H5]CH3CH2OO+HO2=>CH3CH2OOH+O2-->[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH-->[ethoxy] |
| 46 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+nROO=>allyl+nROOH-->[nROOH]nROOH=>nRO+OH-->[nRO] |
| 47 | [iR]O2+iR=>HO2+C3H6-->[C3H6]H+C3H6=>nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1] |
| 48 | [iR]O2+iR=>HO2+C3H6-->[C3H6]H+C3H6=>nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1]OQ′OOH1=>OQ′O1+OH-->[OQ′O1] |
| 49 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+CH3OO=>allyl+CH3OOH-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 50 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>iR-->[iR]iROO+HO2=>iROOH+O2-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 51 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+iROO=>allyl+iROOH-->[iROOH]iROOH=>iRO+OH-->[iRO] |
| 52 | [iR]O2+iR=>HO2+C3H6-->[C3H6]H+C3H6=>nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1]OQ′OOH1=>OQ′O1+OH-->[OQ′O1]OQ′O1=>vinoxy+CH2O-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 53 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>iR-->[iR]iROO+CH2O=>iROOH+HCO-->[iROOH]iROOH=>iRO+OH-->[iRO] |
| 54 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+HO2=>allyl+H2O2-->[allyl]iROO+allyl=>iRO+allyloxy-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 55 | [iR]iROO+RH=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[acetaldehyde]acetaldehyde+HO2=>acetyl+H2O2-->[acetyl]acetyl(+M)=>CH3+CO(+M)-->[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 56 | [iR]iROO+RH=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+RH=>CH3OOH+nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1] |
| 57 | [iR]iROO+RH=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+RH=>CH3OOH+nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1]OQ′OOH1=>OQ′O1+OH-->[OQ′O1] |
| 58 | [iR]iROO+RH=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+RH=>CH3OOH+nR-->[nR]O2QOOH1=>OH+OQ′OOH1-->[OQ′OOH1]OQ′OOH1=>OQ′O1+OH-->[OQ′O1]OQ′O1=>vinoxy+CH2O-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 59 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[acetaldehyde]acetaldehyde+HO2=>acetyl+H2O2-->[acetyl]acetylperoxy+HO2=>CH3CO3H+O2-->[CH3CO3H]CH3CO3H=>acetyloxy+OH-->[acetyloxy] |
| 60 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]nROO+allyl=>nRO+allyloxy-->[allyloxy]allyloxy=>acrolein+H-->[acrolein]acrolein+HO2=>CH2CHCO+H2O2-->[CH2CHCO]CH2CHCO+O2=>vinoxy+CO2-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 61 | [iR]iROO+RH=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+RH=>CH3OOH+nR-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 62 | [iR]O2+iR=>HO2+C3H6-->[C3H6]H+C3H6=>iR-->[iR]iROO+HO2=>iROOH+O2-->[iROOH]iROOH=>iRO+OH-->[iRO] |
| 63 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>iR-->[iR]iROO=>HO2+C3H6-->[C3H6]HO2+C3H6=>OH+propoxide-->[propoxide] |
| 64 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[acetaldehyde]acetaldehyde+HO2=>acetyl+H2O2-->[acetyl]H2O2+acetylperoxy=>HO2+CH3CO3H-->[CH3CO3H]CH3CO3H=>acetyloxy+OH-->[acetyloxy] |
| 65 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+HO2=>allyl+H2O2-->[allyl]allyl+HO2=>prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy]allyloxy=>acrolein+H-->[acrolein]acrolein+HO2=>CH2CHCO+H2O2-->[CH2CHCO]CH2CHCO+O2=>vinoxy+CO2-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 66 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+CH3CH2OO=>allyl+CH3CH2OOH-->[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH-->[ethoxy] |
| 67 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]iROO+allyl=>iRO+allyloxy-->[allyloxy]allyloxy=>acrolein+H-->[acrolein]acrolein+HO2=>CH2CHCO+H2O2-->[CH2CHCO]CH2CHCO+O2=>vinoxy+CO2-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 68 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+H=>allyl+H2-->[allyl]allyl+HO2=>allyloxy+OH-->[allyloxy] |
| 69 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>iR-->[iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO] |
| 70 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+RH=>CH3OOH+iR-->[iR]iROO=>HO2+C3H6-->[C3H6]C3H6+HO2=>propen1ol+OH-->[propen1ol] |
| 71 | [iR]iROO+RH=>iROOH+nR-->[nR]nROO=>OH+propoxide-->[propoxide] |
| 72 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]allyl+CH3OO=>allyloxy+CH3O-->[allyloxy]allyloxy=>acrolein+H-->[acrolein]acrolein+HO2=>CH2CHCO+H2O2-->[CH2CHCO]CH2CHCO+O2=>vinoxy+CO2-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 73 | [iR]O2+iR=>HO2+C3H6-->[C3H6]HO2+C3H6=>QOOH3-->[QOOH3]QOOH3=>OH+propoxide-->[propoxide] |
| 74 | [iR]iROO=>QOOH3-->[QOOH3]O2QOOH3=>O2QOOH2-->[O2QOOH2]QOOH2=>OH+propoxide-->[propoxide] |
| 75 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>iR-->[iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]allyl+HO2=>prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy] |
| 76 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>nR-->[nR]nROO+CH2O=>nROOH+HCO-->[nROOH]nROOH=>nRO+OH-->[nRO] |
| 77 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]allyl+HO2=>allyloxy+OH-->[allyloxy]allyloxy=>acrolein+H-->[acrolein]acrolein+HO2=>CH2CHCO+H2O2-->[CH2CHCO]CH2CHCO+O2=>vinoxy+CO2-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 78 | [iR]O2+iR=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]iROO+allyl=>iRO+allyloxy-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 79 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[acetaldehyde]acetaldehyde+HO2=>acetyl+H2O2-->[acetyl]acetyl(+M)=>CH3+CO(+M)-->[CH3]CH3OO+CH2O=>CH3OOH+HCO-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 80 | [iR]iROO+RH=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[acetaldehyde]acetaldehyde+OH=>vinoxy+H2O-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 81 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>ethenol+CH3-->[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 82 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>propen2yl+H2O-->[propen2yl]propen2yl+O2=>acetyl+CH2O-->[acetyl]acetylperoxy+HO2=>CH3CO3H+O2-->[CH3CO3H]CH3CO3H=>acetyloxy+OH-->[acetyloxy] |
| 83 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>iR-->[iR]iROO=>HO2+C3H6-->[C3H6]C3H6+HO2=>allyl+H2O2-->[allyl]allyl+HO2=>prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy] |
| 84 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]allyl+HO2=>prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy]allyloxy=>acrolein+H-->[acrolein]acrolein+CH3OO=>CH2CHCO+CH3OOH-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 85 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[acetaldehyde]iROO+acetaldehyde=>iROOH+acetyl-->[iROOH]iROOH=>iRO+OH-->[iRO] |
| 86 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[acetaldehyde]nROO+acetaldehyde=>nROOH+acetyl-->[nROOH]nROOH=>nRO+OH-->[nRO] |
| 87 | [iR]iROO+RH=>iROOH+nR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[acetaldehyde]CH3OO+acetaldehyde=>CH3OOH+acetyl-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 88 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+nROO=>allyl+nROOH-->[allyl]allyl+HO2=>prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy] |
| 89 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+RH=>CH3OOH+iR-->[iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO] |
| 90 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>nR-->[nR]nROO=>QOOH2-->[QOOH2]QOOH2=>OH+propoxide-->[propoxide] |
| 91 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+HO2=>propen1ol+OH-->[propen1ol]propen1ol+HO2=>CH2O+C2H3+H2O2-->[C2H3]C2H3+O2=>O+vinoxy-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 92 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>iR-->[iR]O2+iR=>HO2+C3H6-->[C3H6]C3H6+HO2=>propen1ol+OH-->[propen1ol] |
| 93 | [iR]iROO+RH=>iROOH+nR-->[nR]nROO=>QOOH2-->[QOOH2]QOOH2=>OH+propoxide-->[propoxide] |
| 94 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+HO2=>propen1ol+OH-->[propen1ol]propen1ol+OH=>CH2O+C2H3+H2O-->[C2H3]C2H3+O2=>O+vinoxy-->[vinoxy]vinoxy+O2=>CH2O+CO+OH-->[CO] |
| 95 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+OH=>allyl+H2O-->[allyl]nROO+allyl=>nRO+allyloxy-->[nRO]nRO=>C2H5+CH2O-->[C2H5]CH3CH2OO+HO2=>CH3CH2OOH+O2-->[CH3CH2OOH]CH3CH2OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH3+CH2O-->[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |
| 96 | [iR]iROO+RH=>iROOH+iR-->[iROOH]iROOH=>iRO+OH-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+RH=>CH3OOH+iR-->[iR]iROO=>HO2+C3H6-->[C3H6]HO2+C3H6=>OH+propoxide-->[propoxide] |
| 97 | [iR]iROO=>HO2+C3H6-->[C3H6]C3H6+CH3OO=>allyl+CH3OOH-->[allyl]allyl+HO2=>prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy] |
| 98 | [iR]iROO+RH=>iROOH+nR-->[nR]O2QOOH1=>HO2+prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy] |
| 99 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>nR-->[nR]O2QOOH1=>HO2+prod2-->[prod2]prod2=>allyloxy+OH-->[allyloxy] |
| 100 | [iR]iROO=>HO2+C3H6-->[C3H6]H+C3H6=>iR-->[iR]iROO+iROO=>O2+iRO+iRO-->[iRO]iRO=>CH3+acetaldehyde-->[CH3]CH3OO+HO2=>CH3OOH+O2-->[CH3OOH]CH3OOH=>CH3O+OH-->[CH3O] |