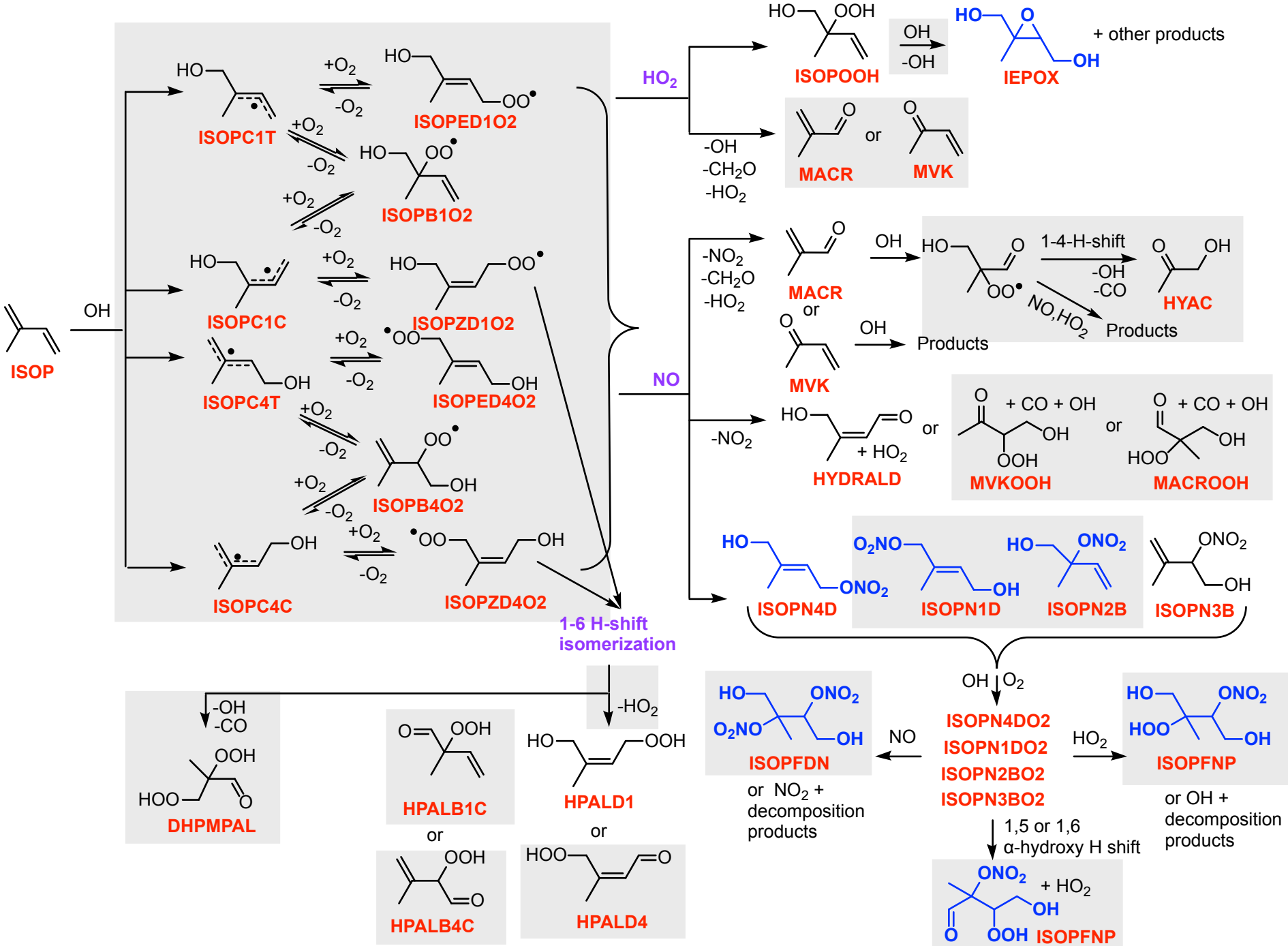
ISOP
OH
ISOPC1T
ISOPED1O2
ISOPB1O2
ISOPC1C
ISOPZD1O2
ISOPC4T
ISOPED4O2
ISOPB4O2
ISOPC4C
ISOPZD4O2
+O2
-O2
HO2
ISOPOOH
OH
-OH
IEPOX
+ other products
-OH
-CH2O
-HO2
MACR
or
MVK
NO
-NO2
-CH2O
-HO2
MACR
or
MVK
OH
1-4-H-shift
-OH
-CO
HYAC
NO,HO2
Products
Products
-NO2
HYDRALD
+ HO2
or
+ CO + OH
MVKOOH
MACROOH
ISOPN4D
ISOPN1D
ISOPN2B
ISOPN3B
1-6 H-shift
isomerization
-OH
-CO
DHPMPAL
-HO2
HPALB1C
or
HPALB4C
HPALD1
or
HPALD4
OH
O2
ISOPN4DO2
ISOPN1DO2
ISOPN2BO2
ISOPN3BO2
NO
ISOPFDN
or NO2 +
decomposition
products
HO2
ISOPFNP
or OH +
decomposition
products
1,5 or 1,6
α-hydroxy H shift
+ HO2
ISOPFNP