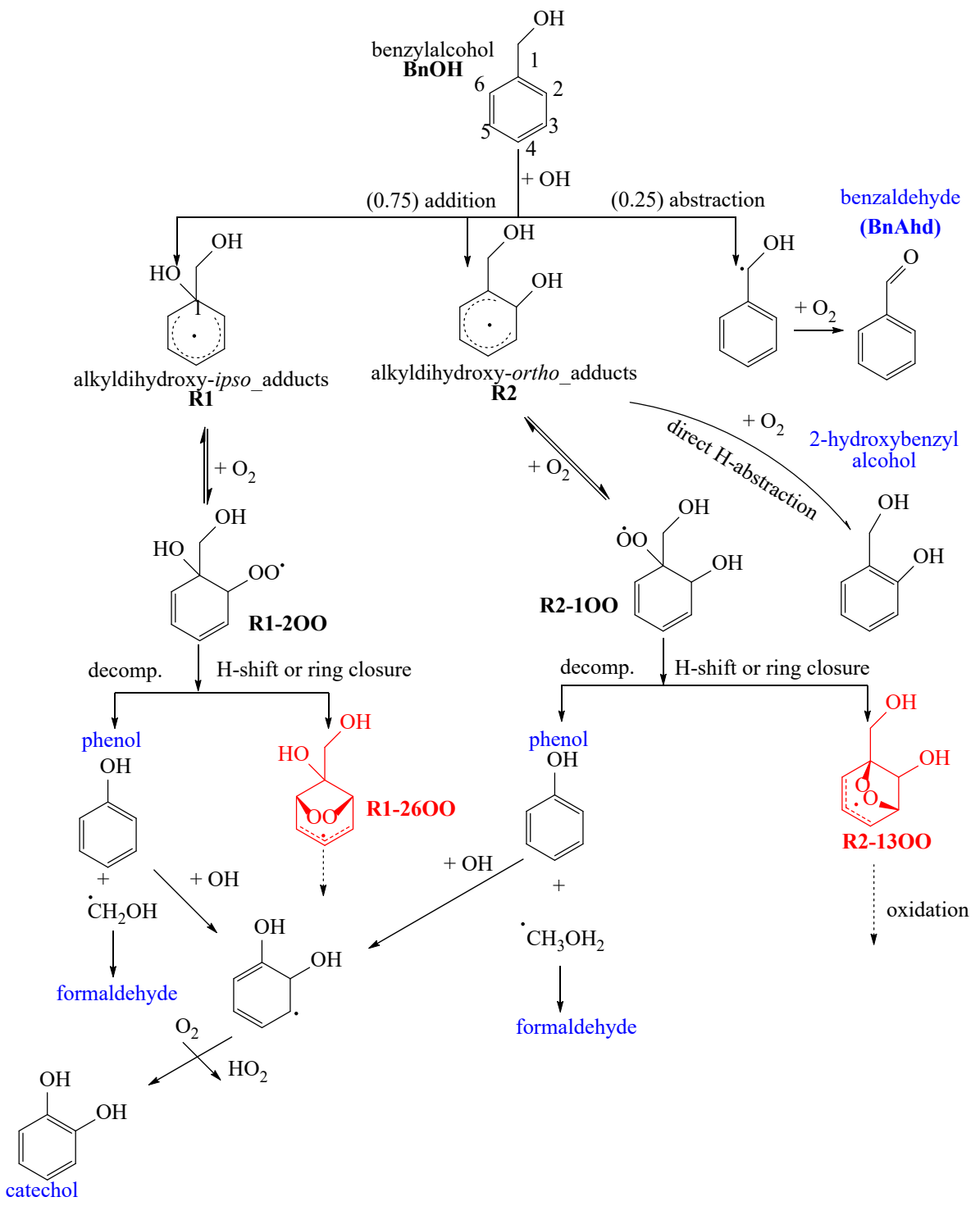
benzylalcohol
BnOH
+ OH
(0.75) addition
(0.25) abstraction
benzaldehyde
(BnAhd)
+ O2
alkyldihydroxy-ipso_adducts
R1
alkyldihydroxy-ortho_adducts
R2
+ O2
direct H-abstraction
2-hydroxybenzyl
alcohol
R1-2OO
R2-1OO
decomp.
H-shift or ring closure
phenol
R1-26OO
R2-13OO
oxidation
+ OH
formaldehyde
O2
HO2
catechol