intra\_H\_migration 
$$^3H-^2R$$
  $^3R$   $^2R$   $^3H$   $^3H$ 

Intra\_Retro\_Diels\_alder\_bicyclic

Intra\_Diels\_alder\_monocyclic

$${}^{1}C = {}^{2}C - {}^{3}C = {}^{4}C - {}^{5}C = {}^{6}C$$

 $Intra\_5\_membered\_conjugated\_C=C\_C=C\_addition$ 

$$^{1}C=^{5}C=^{4}C-^{3}C=^{2}C$$

Intra\_ene\_reaction

Cyclopentadiene\_scission

Korcek\_step1

Korcek\_step2

$$^{2}C$$
 $^{3}C$ 
 $^{4}O$ 
 $^{1}C$ 
 $^{2}C$ 
 $^{6}H$ 
 $^{1}C$ 
 $^{2}C$ 
 $^{6}H$ 
 $^{6}H$ 
 $^{1}C$ 
 $^{2}C$ 
 $^{6}H$ 
 $^{6}H$ 
 $^{1}C$ 
 $^{2}C$ 
 $^{6}H$ 
 $^{6}$ 

Korcek\_step1\_cat

Bimolec Hydroperoxide Decomposition

Peroxyl\_Termination

$$^{4}H$$
 $^{-1}R$  $^{-2}O$  $^{-3}O$  $^{\cdot}$  + R $^{-5}O$  $^{-6}O$  $^{\cdot}$   $^{-6}O$  $^{\cdot}$ 

Peroxyl\_Disproportionation

$$R - {}^{1}O - {}^{2}O + R - {}^{3}O - {}^{4}O + R - {}^{3}O + {}^{2}O - {}^{4}O + R - {}^{3}O + {}^{2}O - {}^{4}O + {}^{2}O - {}^{4}O + {}^{4}O - {}^{4}O + {}^{4}O - {}^{4}O + {}^{4}O - {}^{4}O$$

Baeyer-Villiger\_step1\_cat

Baeyer-Villiger\_step2

$${}^{2}[C,H]$$
 ${}^{5}O$ 
 ${}^{6}O$ 
 ${}^{7}C$ 
 ${}^{7}C$ 
 ${}^{8}O$ 
 ${}^{7}C$ 
 ${}^{8}O$ 
 ${}^{7}C$ 
 ${}^{8}O$ 
 ${}^{4}H$ 
 ${}^{8}O$ 

Baeyer-Villiger\_step2\_cat

$${}^{2}[C,H]$$
 ${}^{5}O$ 
 ${}^{6}O$ 
 ${}^{10}H$ 
 ${}^{9}O$ 
 ${}^{7}C$ 
 ${}^{R}$ 
 ${}^{1}C$ 
 ${}^{2}[C,H]$ 
 ${}^{1}C$ 
 ${}^{2}[C,H]$ 
 ${}^{2}[C,H]$ 
 ${}^{2}[C,H]$ 
 ${}^{2}[C,H]$ 
 ${}^{3}O$ 
 ${}^{4}H$ 
 ${}^{8}O$