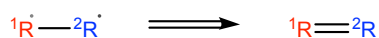


# RMG-Py Reaction Families

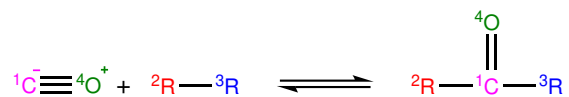
## 1+2\_Cycloaddition



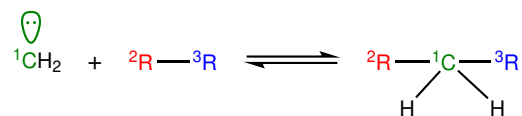
## 1,2-Birad\_to\_alkene



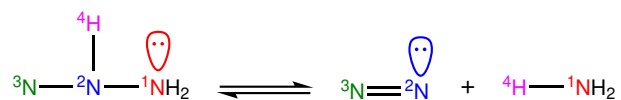
## 1,2\_Insertion\_CO



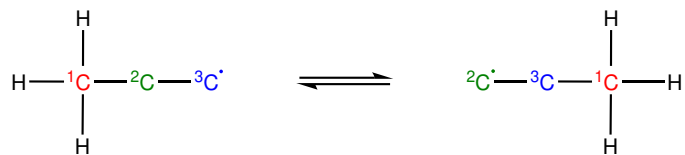
## 1,2\_Insertion\_carbene



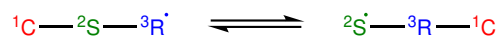
## 1,2\_NH3\_elimination



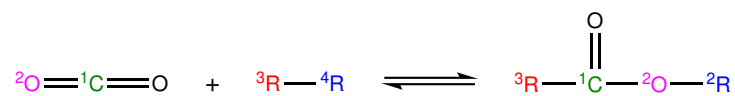
## 1,2\_shiftC



## 1,2\_shiftS



### 1,3\_Insertion\_CO2



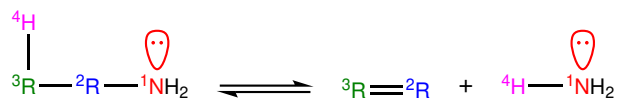
### 1,3\_Insertion\_ROR



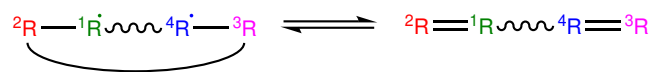
### 1,3\_Insertion\_RSR



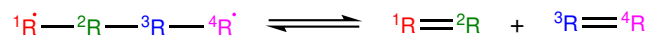
### 1,3\_NH3\_elimination



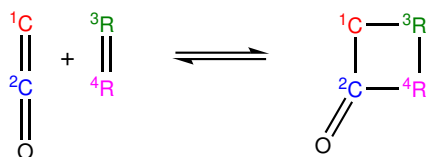
### 1,4\_Cyclic\_birad\_scission



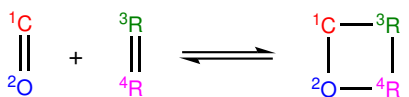
### 1,4\_Linear\_birad\_scission



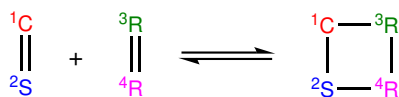
### 2+2\_cycloaddition\_CO



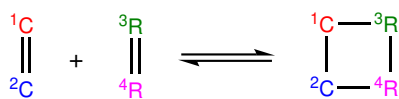
### 2+2\_cycloaddition\_CO



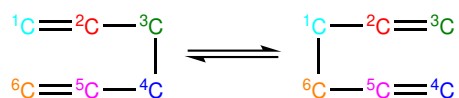
2+2\_cycloaddition\_CS



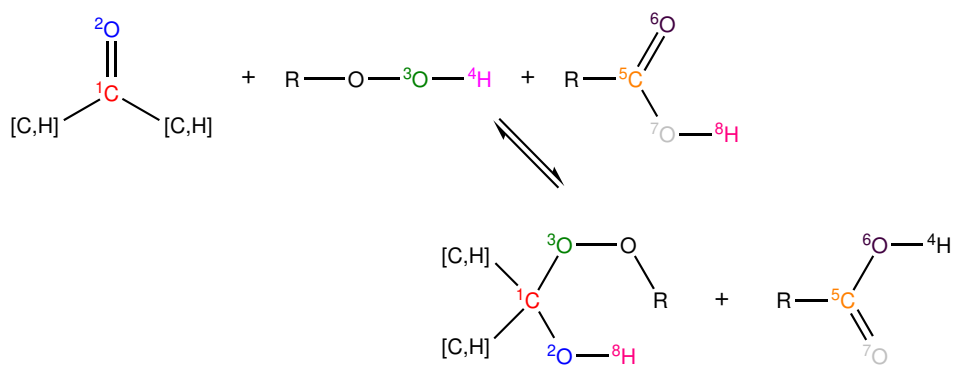
2+2\_cycloaddition\_Cd



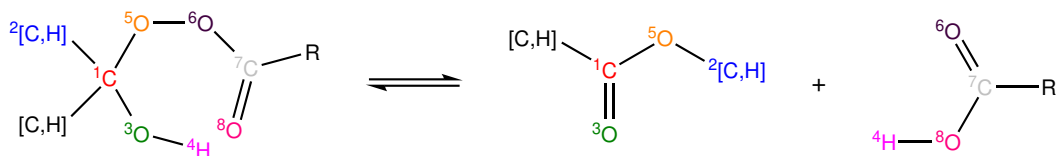
6\_membered\_central\_C-C\_shift



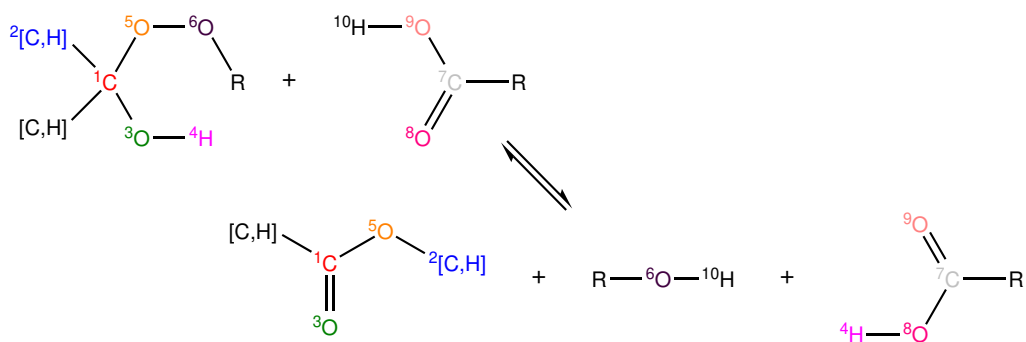
Baeyer-Villiger\_step1\_cat



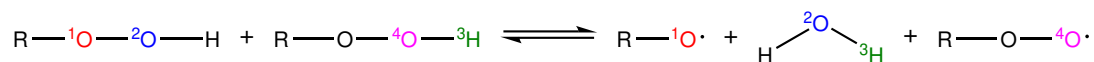
Baeyer-Villiger\_step2



### Baeyer-Villiger\_step2\_cat



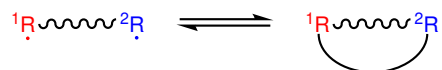
### Bimolec\_Hydroperoxide\_Decomposition



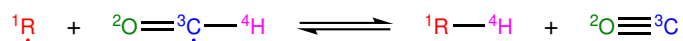
### Birad\_R\_Recombination



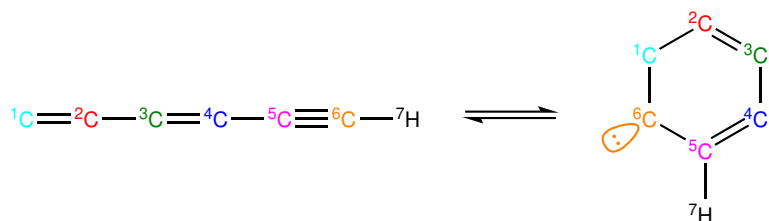
### Birad\_recombination



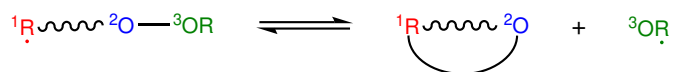
### CO\_Disproportionation



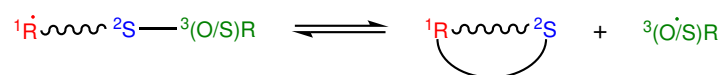
### Concerted\_Intra\_Diels\_alder\_monocyclic\_1,2\_shiftH



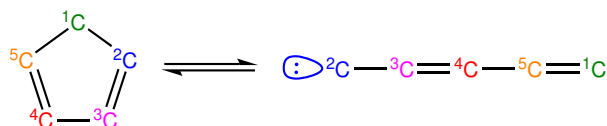
### Cyclic\_Ether\_Formation



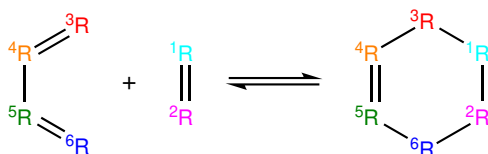
### Cyclic Thioether Formation



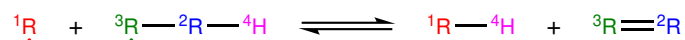
### Cyclopentadiene scission



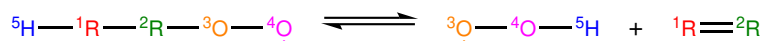
### Diels alder addition



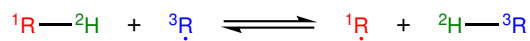
### Disproportionation



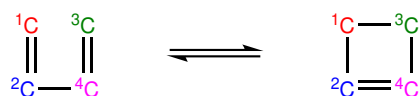
### H02\_Elimination\_from\_PeroxyRadical



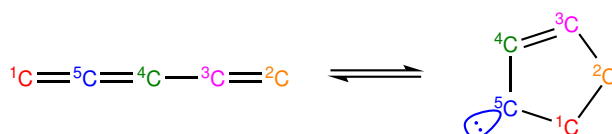
### H\_Abstraction



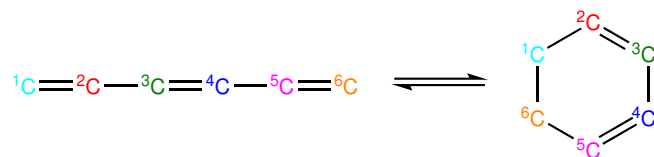
### Intra\_2+2\_cycloaddition\_Cd



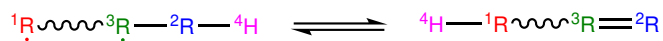
### Intra\_5\_membered\_conjugated\_C=C\_C=C\_addition



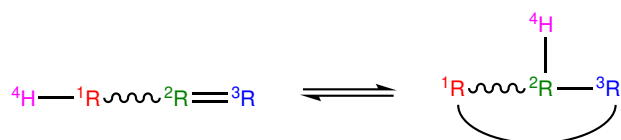
Intra\_Diels\_alder\_monocyclic



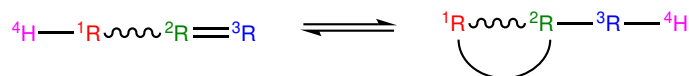
Intra\_Disproportionation



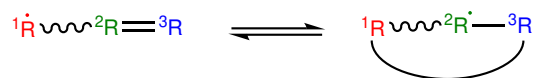
Intra\_RH\_Add\_Endocyclic



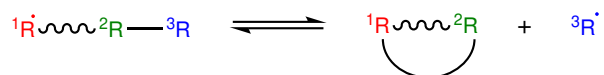
Intra\_RH\_Add\_Exocyclic



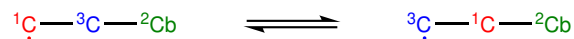
Intra\_R\_Add\_Endocyclic



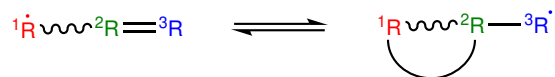
Intra\_R\_Add\_ExoTetCyclic



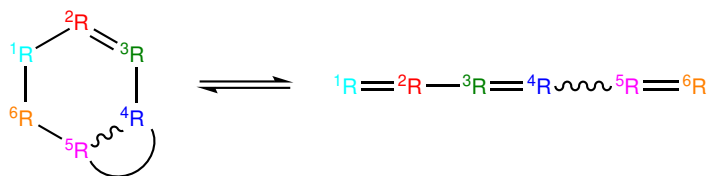
Intra\_R\_Add\_Exo\_scission



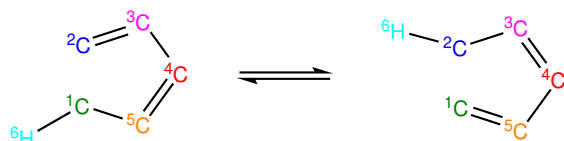
Intra\_R\_Add\_Exocyclic



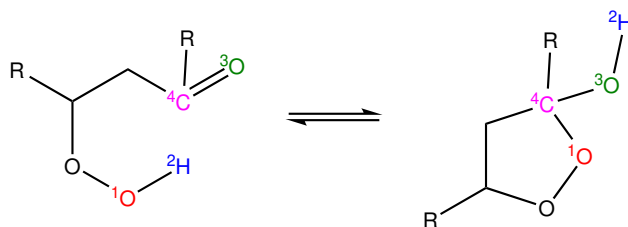
## Intra\_Retro\_Diels\_alder\_bicyclic



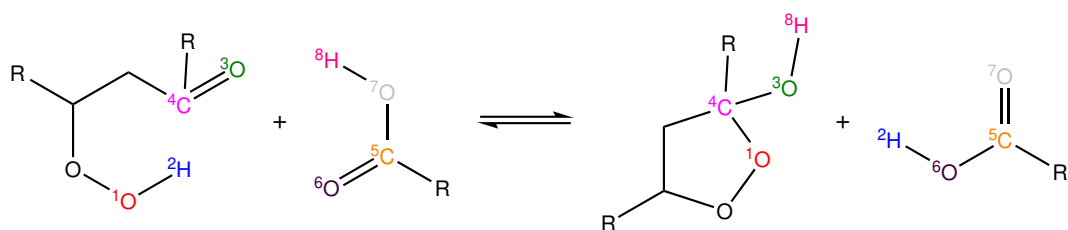
## Intra\_ene\_reaction



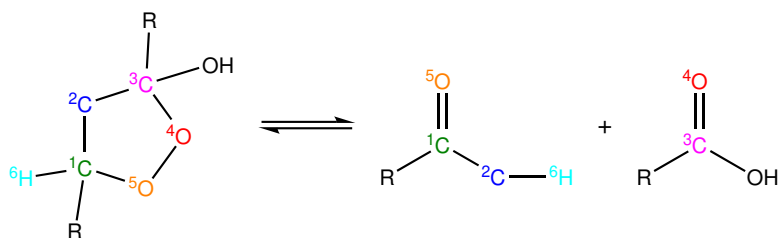
## Korcek\_step1



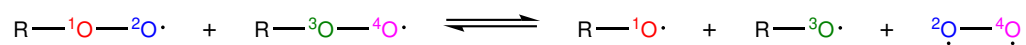
## Korcek\_step1\_cat



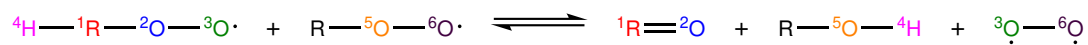
## Korcek\_step2



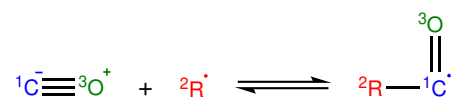
## Peroxyl\_Disproportionation



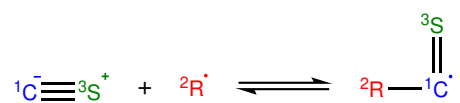
## Peroxyl\_Termination



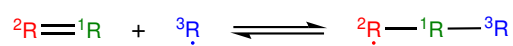
## R\_Addition\_COm



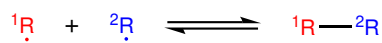
## R\_Addition\_CSm



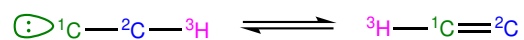
## R\_Addition\_MultipleBond



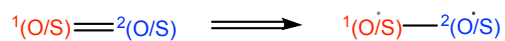
## R\_Recombination



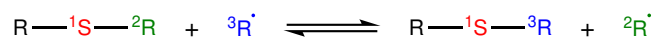
## Singlet\_Carbene\_Intra\_Disproportionation



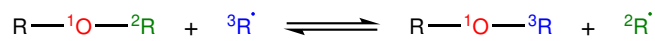
## Singlet\_Val6\_to\_triplet



## SubstitutionS

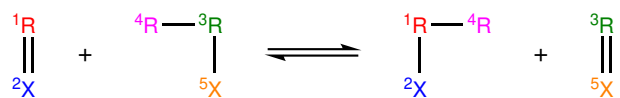


## Substitution\_O

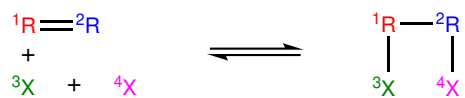




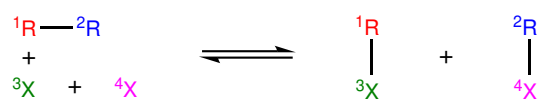
## Surface\_Abstraction



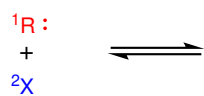
## Surface\_Adsorption\_Bidentate



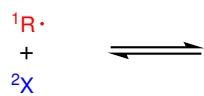
## Surface\_Adsorption\_Dissociative



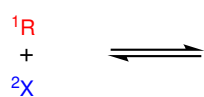
## Surface\_Adsorption\_Double



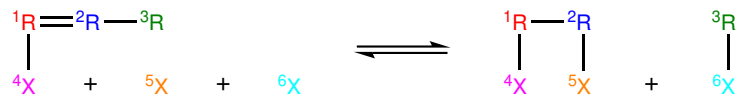
## Surface\_Adsorption\_Single



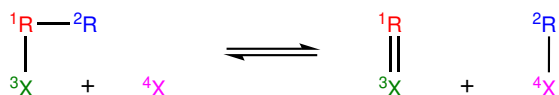
## Surface\_Adsorption\_vdW



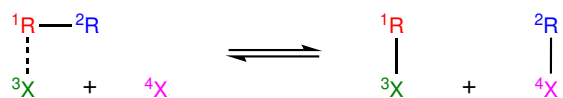
## Surface\_Bidentate\_Dissociation



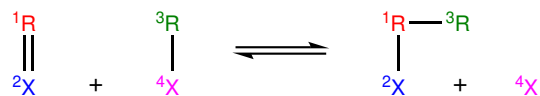
## Surface\_Dissociation



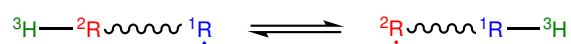
Surface\_Dissociation\_vdW



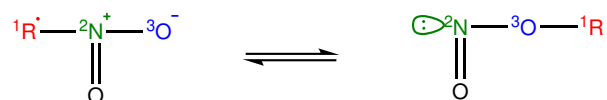
Surface\_Recombination



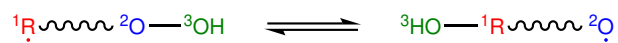
intra\_H\_migration



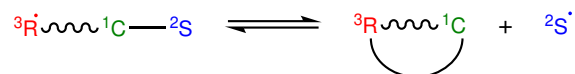
intra\_NO2\_ONO\_conversion



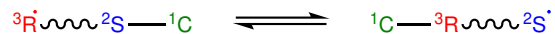
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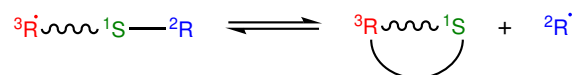
intra\_substitutionCS\_cyclization



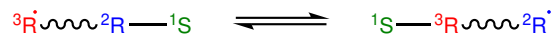
intra\_substitutionCS\_isomerization



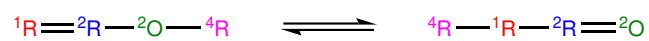
intra\_substitutionS\_cyclization



intra\_substitutionS\_isomerization



ketoenol



lone\_electron\_pair\_bond

