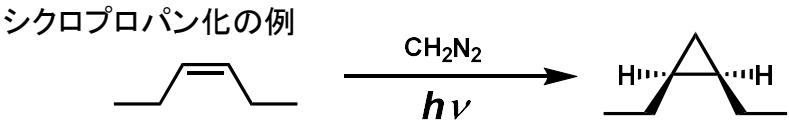
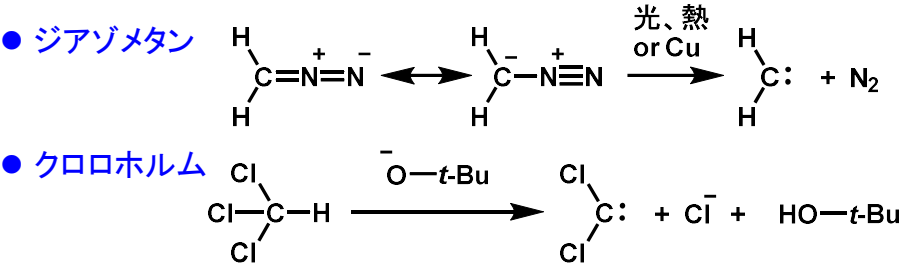
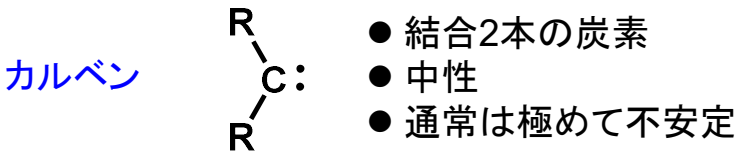
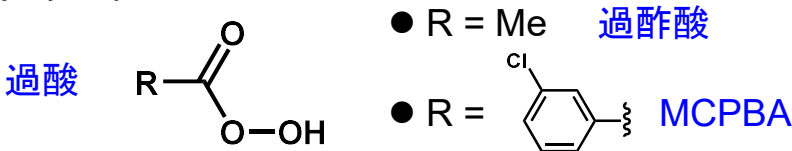


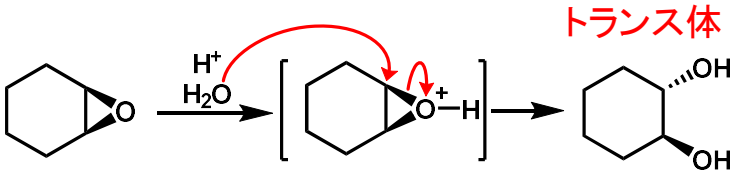
シクロプロパン化



エポキシ化

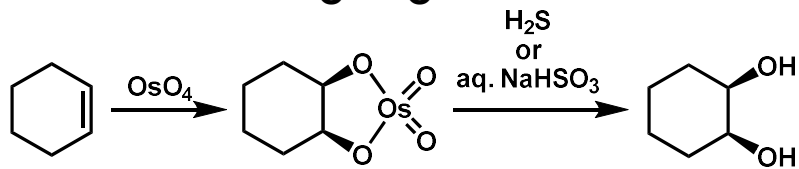
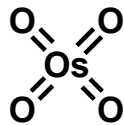


酸性条件下でのエポキシドの開環



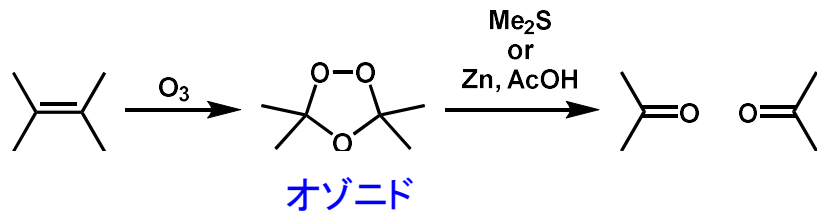
ジヒドロキシ化

四酸化オスミウム



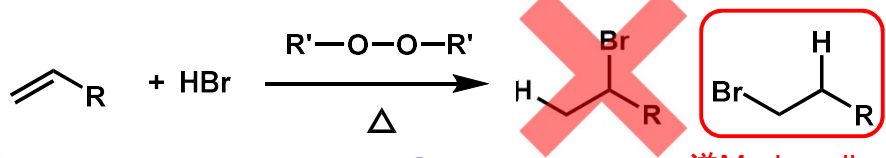
オゾン分解

ジメチルスルフィド

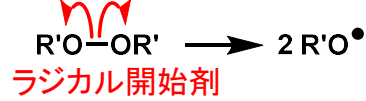


ラジカル付加

過酸化物 R' = t-Bu or Bz

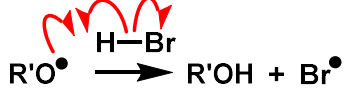


①ホモリシス開裂



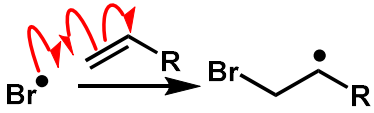
ラジカル開始剤

②水素引き抜き

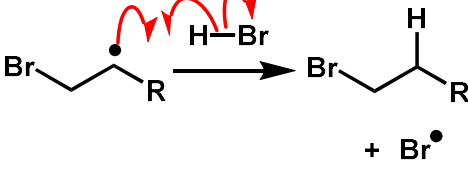


逆Markovnikov

③付加



④水素引き抜き



HBrの他、HS-R(チオール)もラジカル付加を起こす。