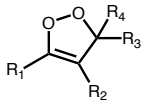
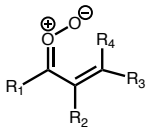


route only available if  $R_4 = H$

**1,5-ring closure:**

$R_4 = H$  or a C atom not bearing an abstractable H



**dioxole**

