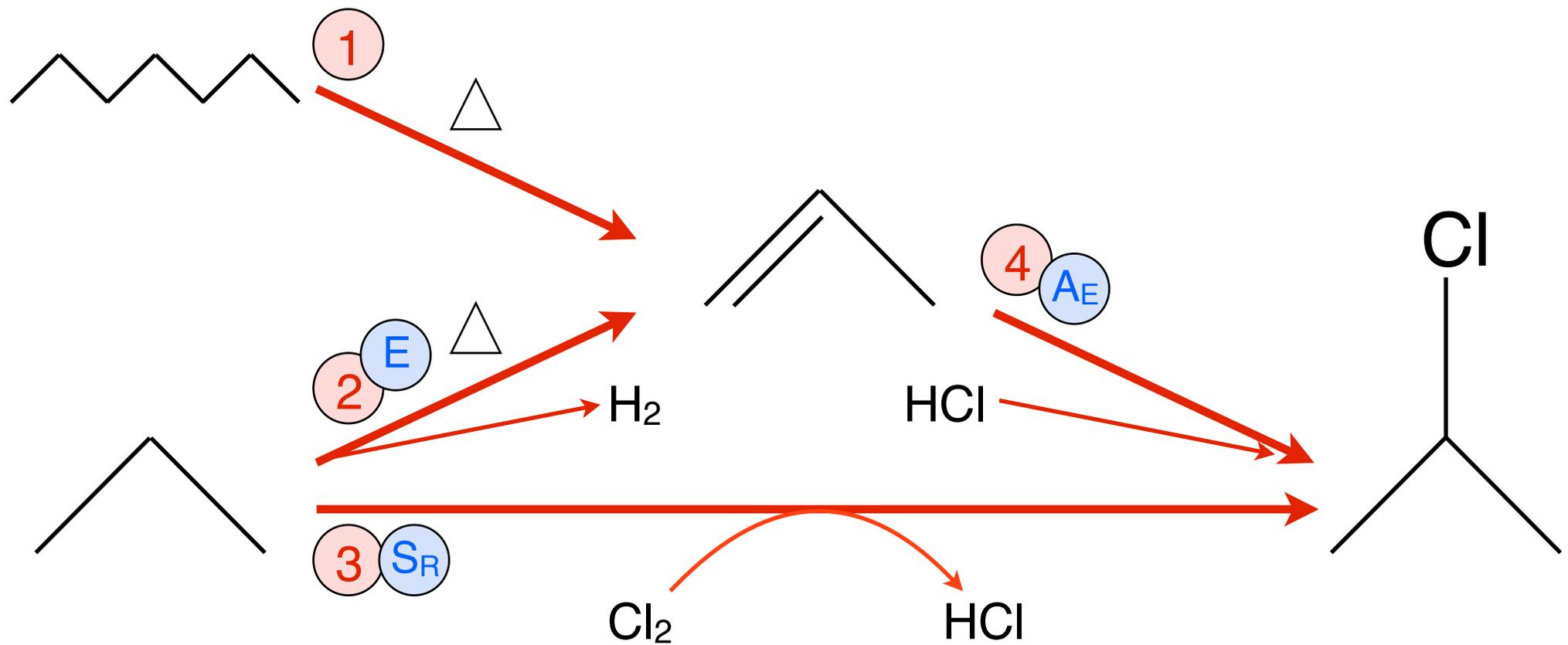


① Steamcracken von längerkettigen Alkanen

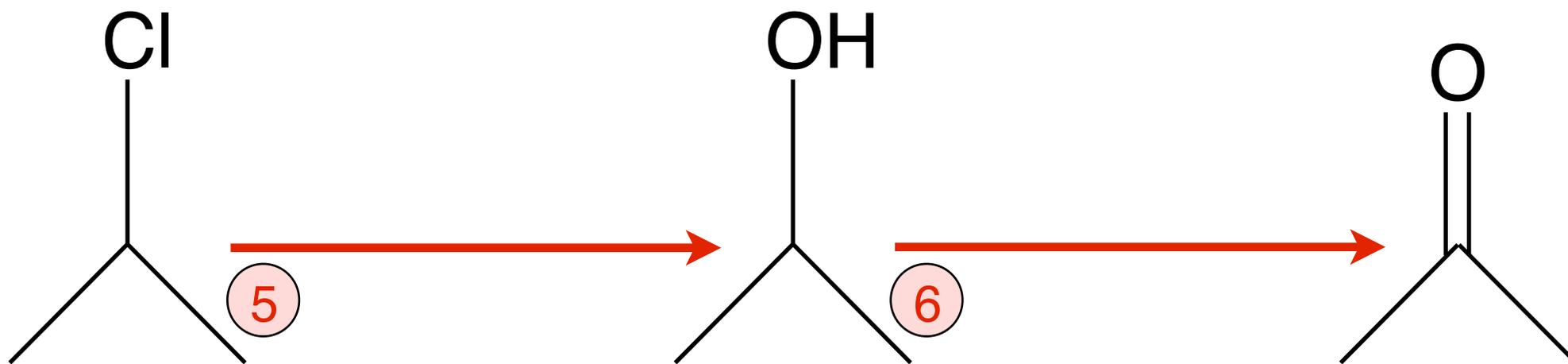
② Dehydrierung von Propan ()

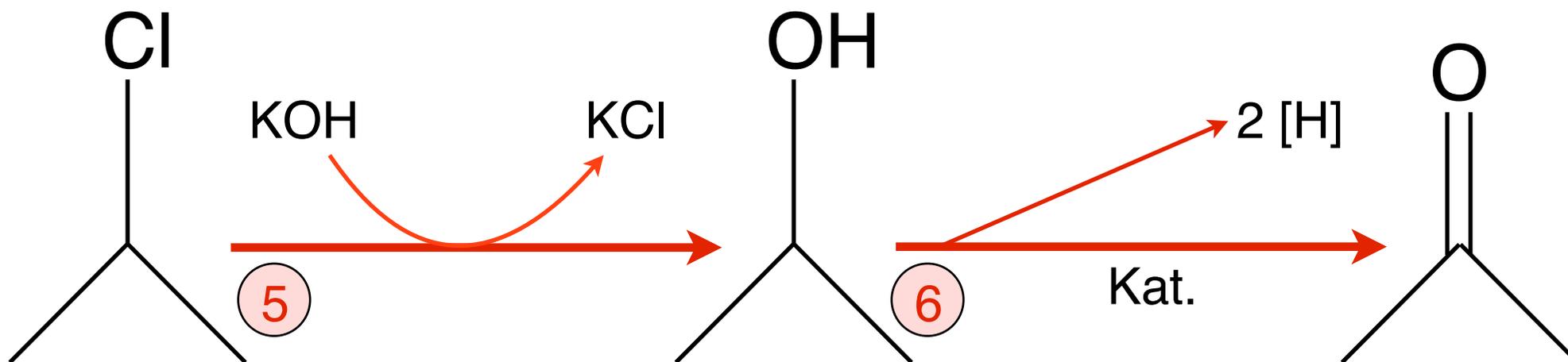
③ Chlorierung von Propan ()

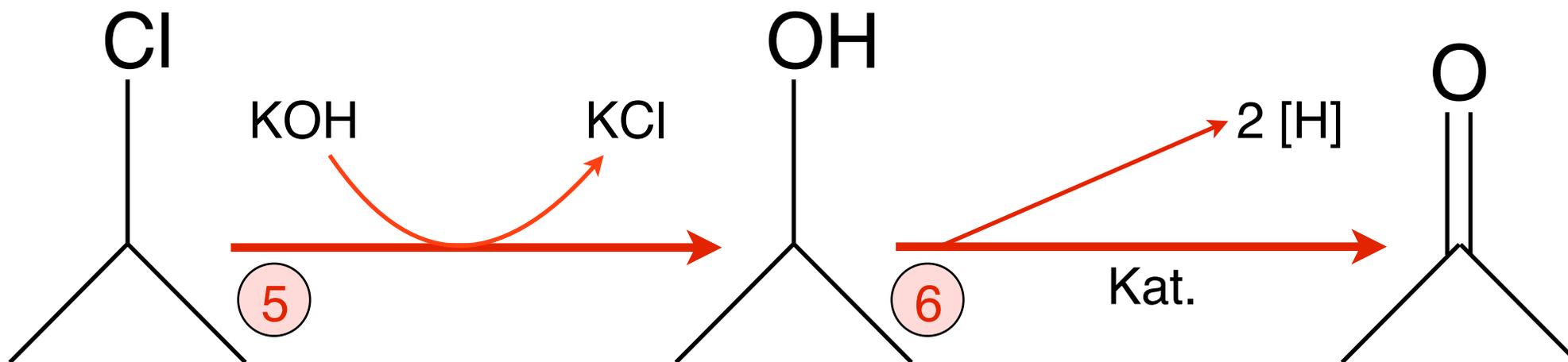
④ Hydrochlorierung von Propen ()



- ① Steamcracken von längerkettigen Alkanen
- ② Dehydrierung von Propan (**Eliminierung E**)
- ③ Chlorierung von Propan (**Radikalische Substitution S_R**)
- ④ Hydrochlorierung von Propen (**Elektrophile Addition A_E**)

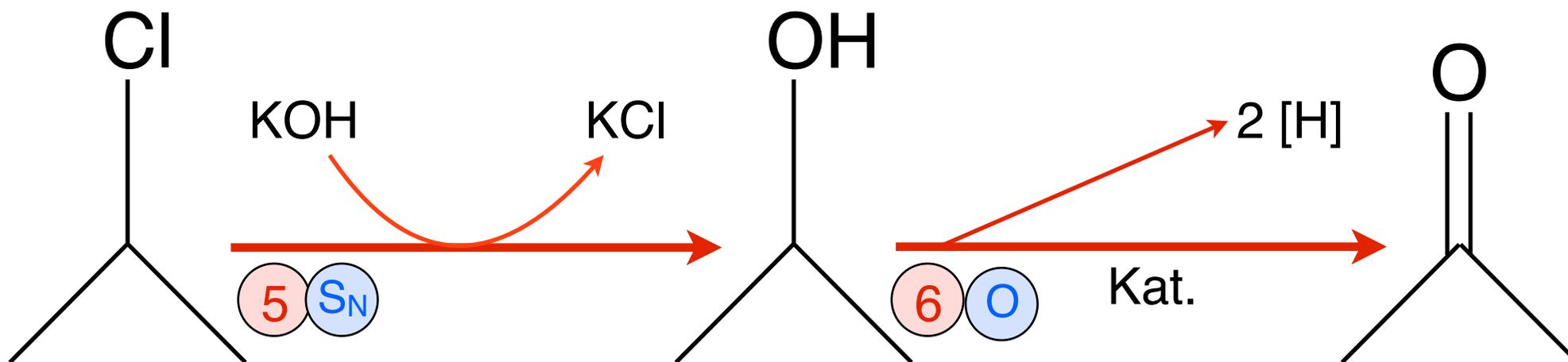




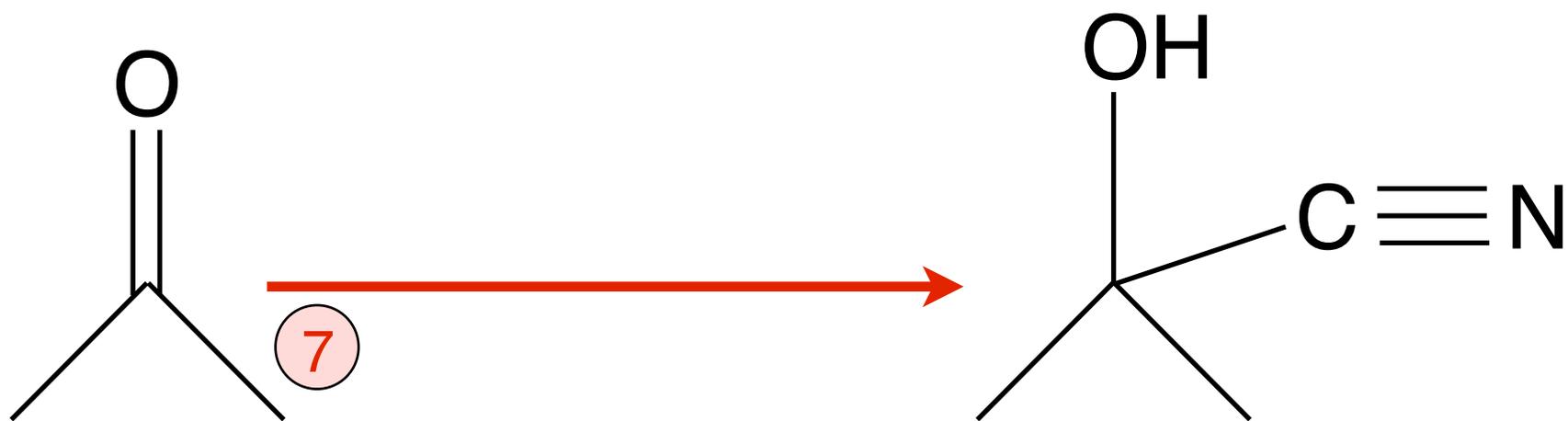


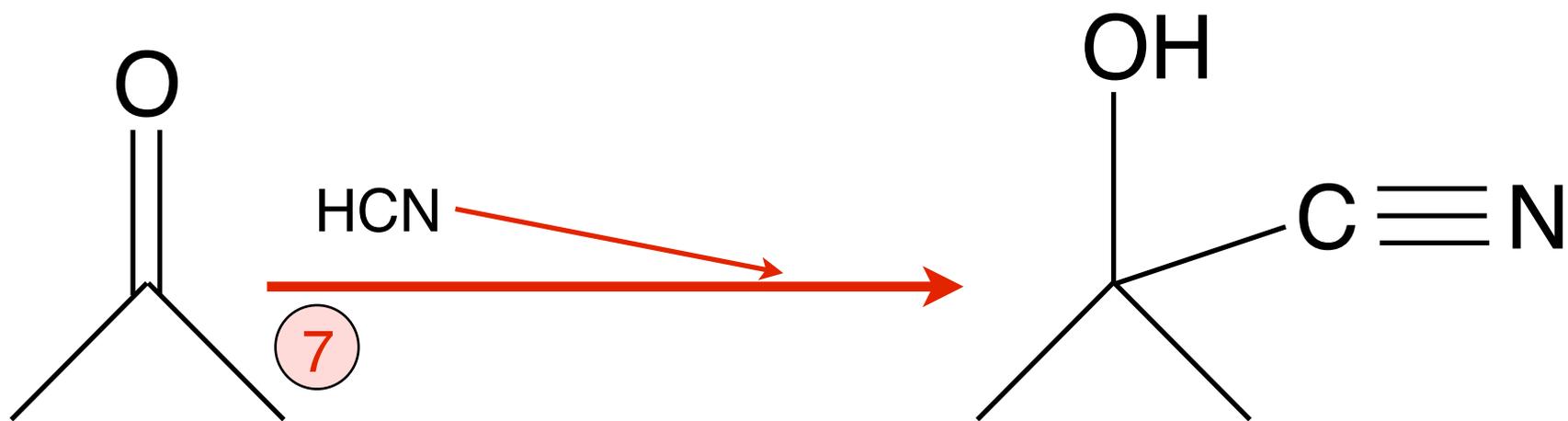
1 Reaktion mit Kalilauge ()

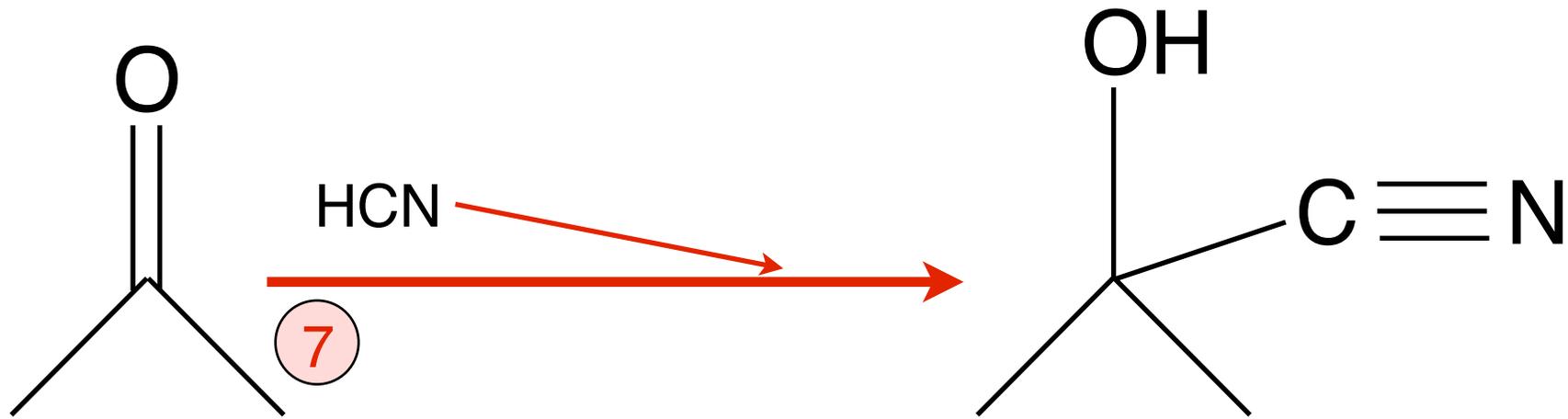
2 Katalytische Dehydrierung ()



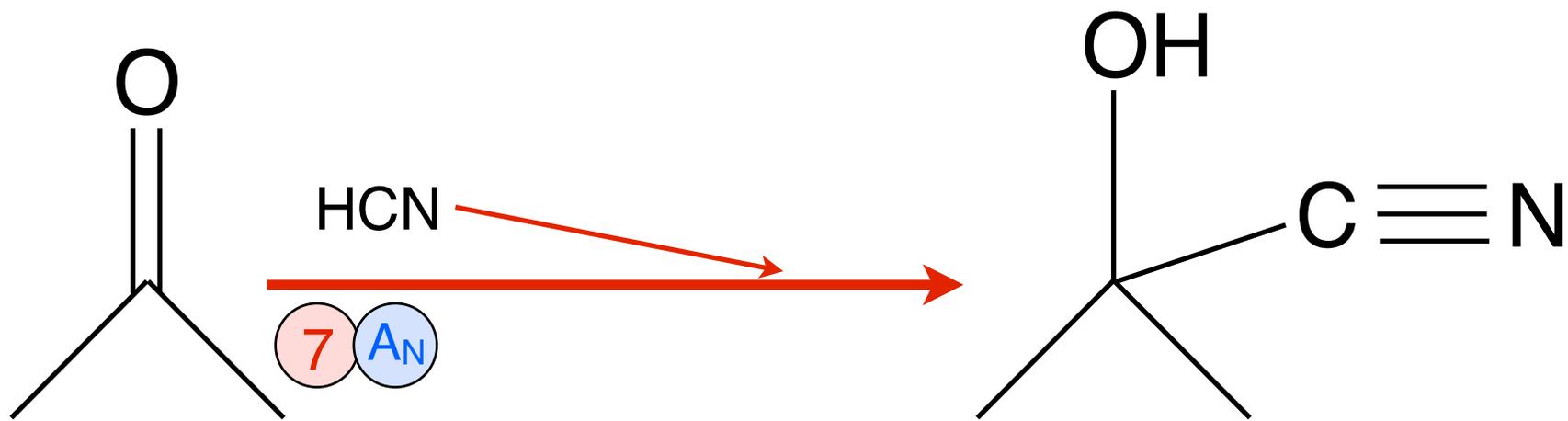
- 1 Reaktion mit Kalilauge (Nucleophile Substitution S_N)
- 2 Katalytische Dehydrierung (Oxidation)



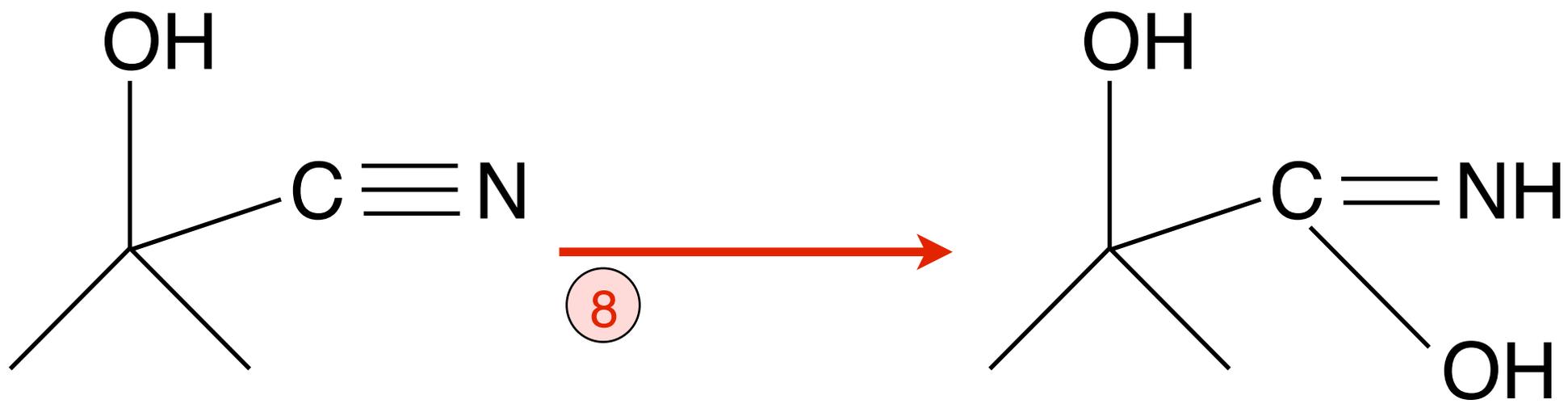


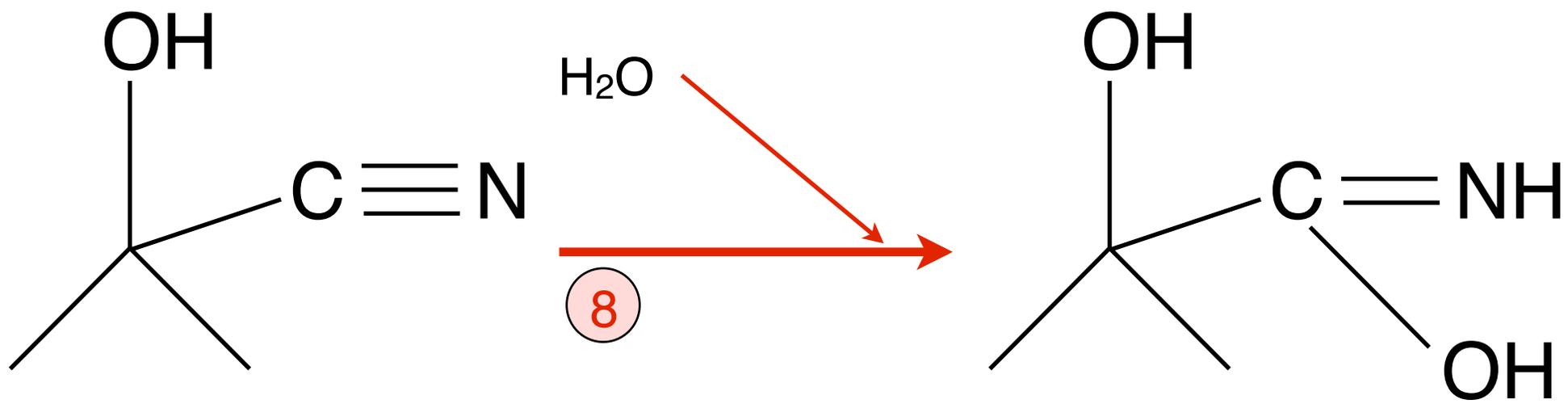


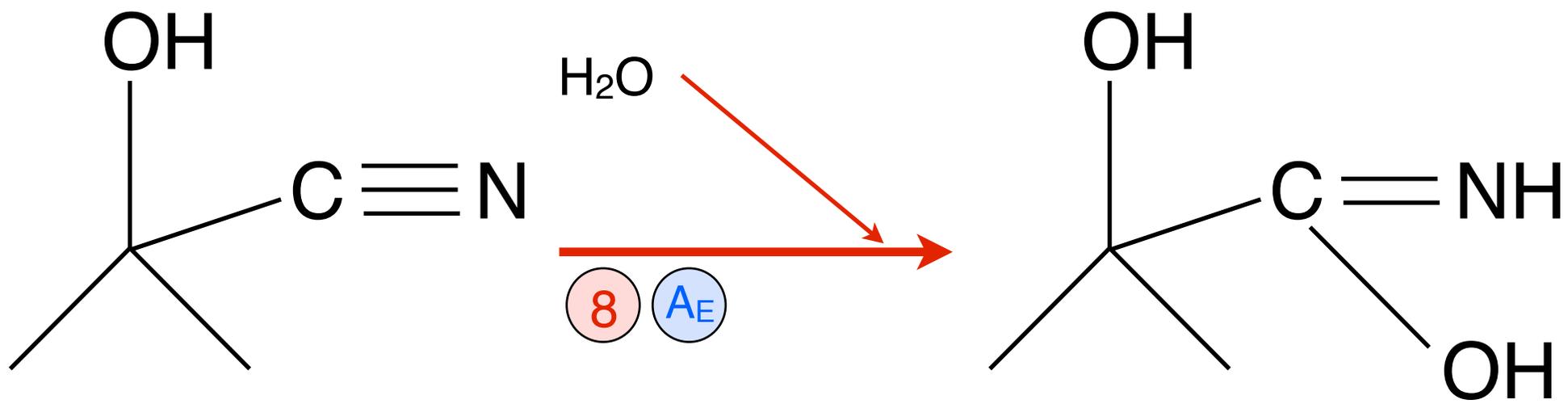
7 Reaktion mit Cyanwasserstoff ()



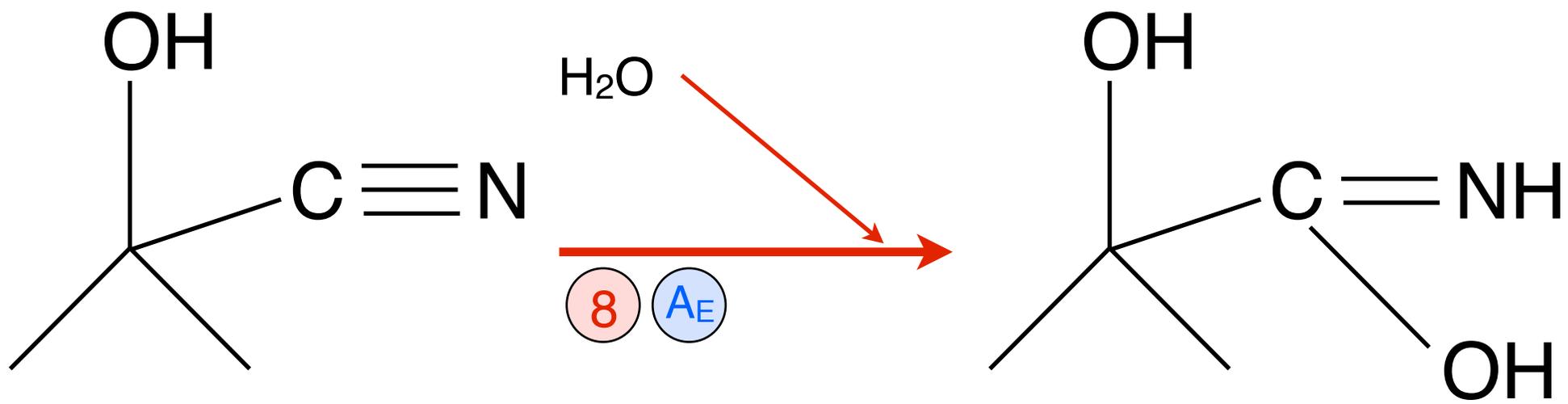
7 Reaktion mit Cyanwasserstoff (Nucleophile Addition A_N)



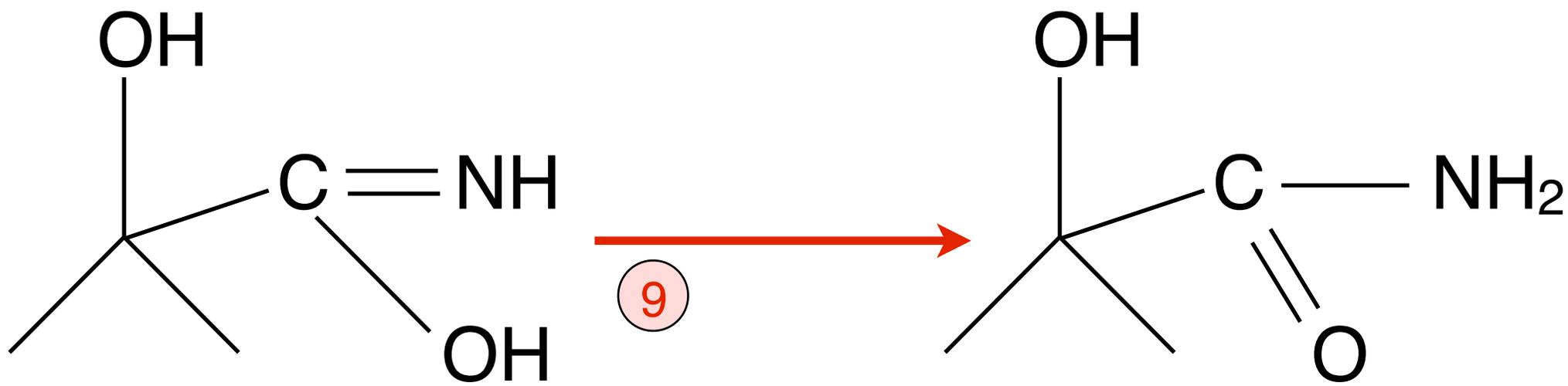


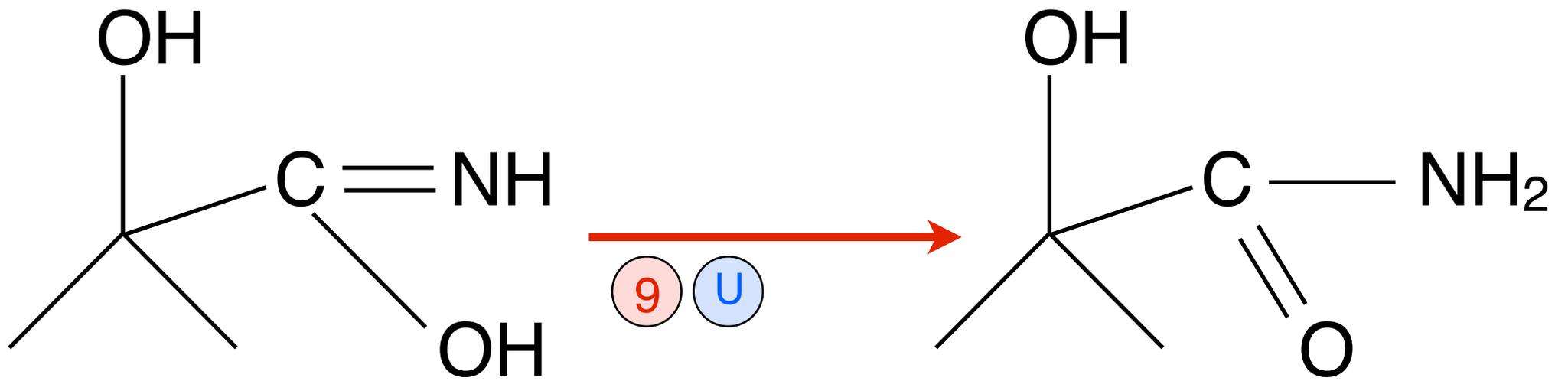


8 Addition von Wasser ()

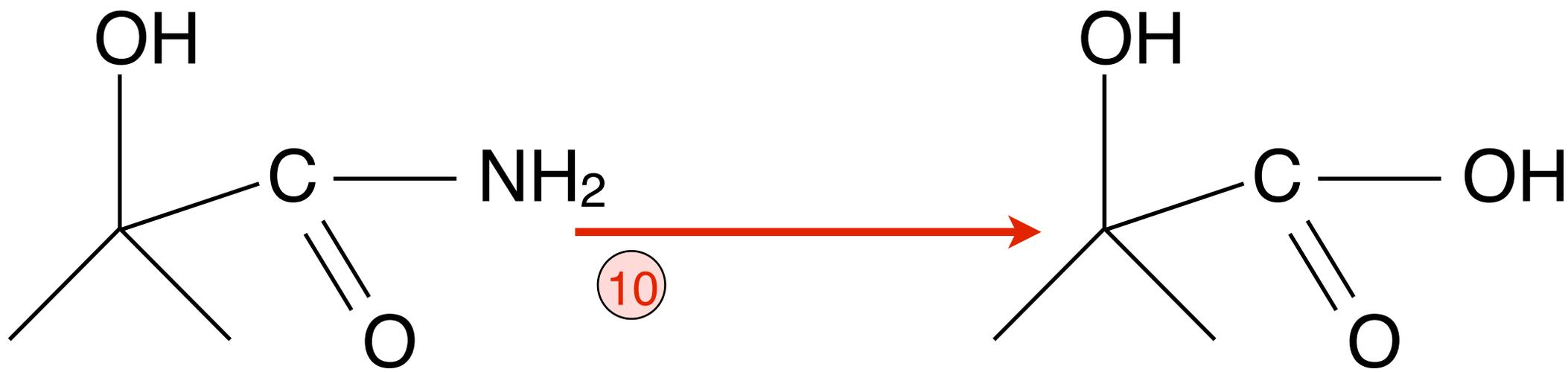


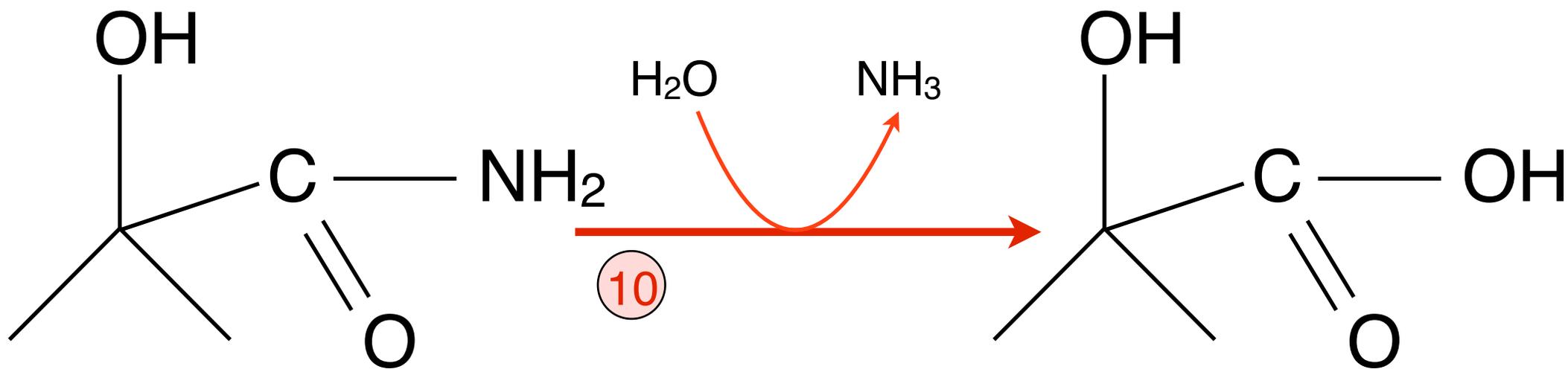
8 Addition von Wasser ([Elektrophile Addition \$\text{A}_E\$](#))

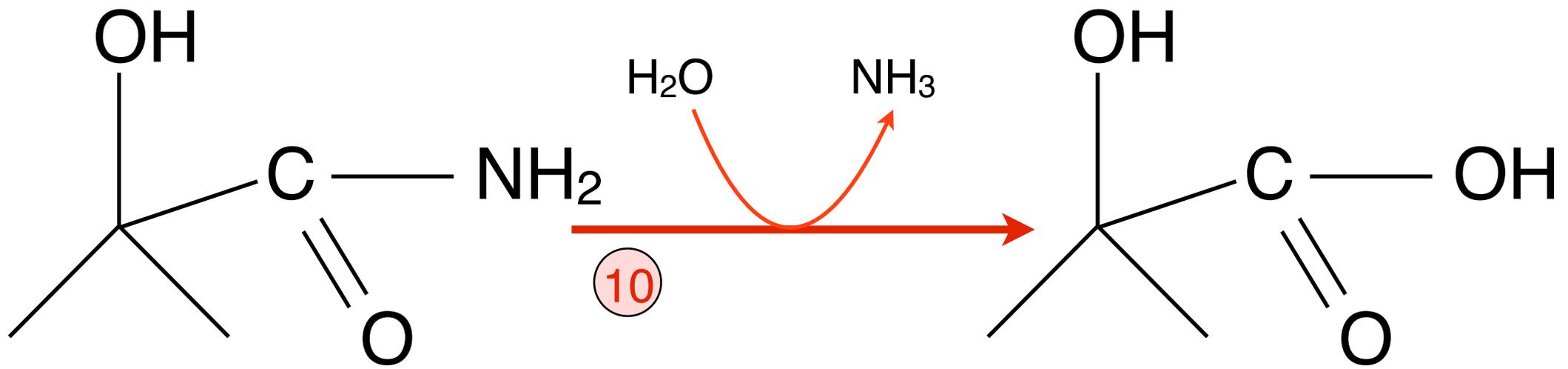




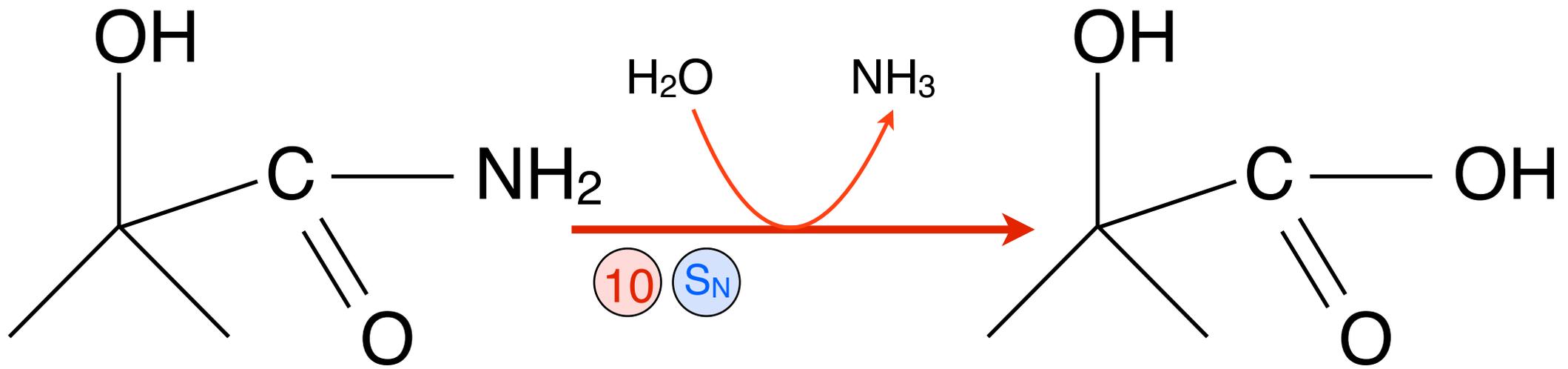
9 Umlagerung eines instabilen Zwischenproduktes



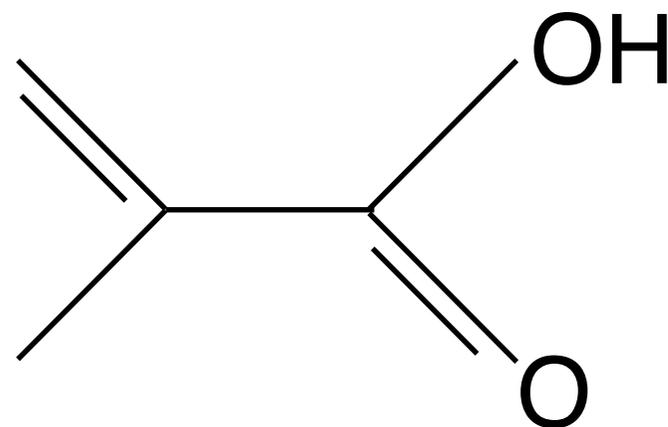
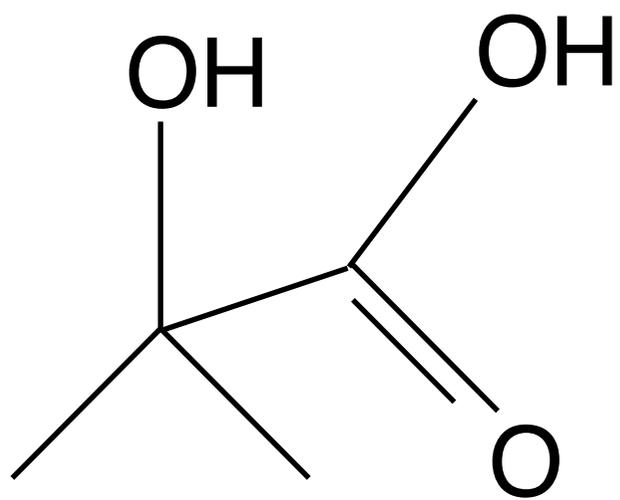


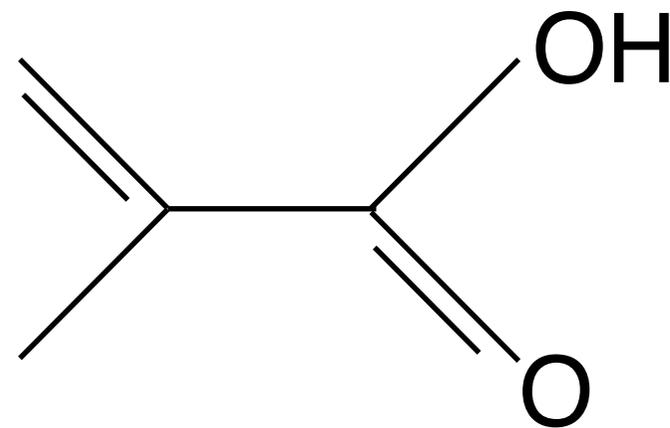
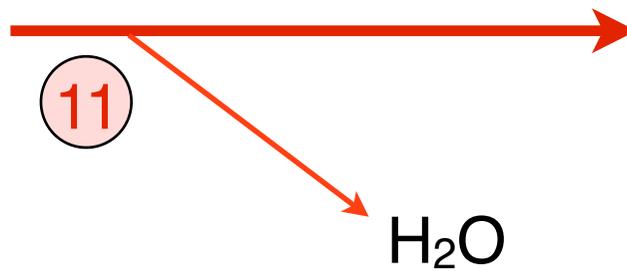
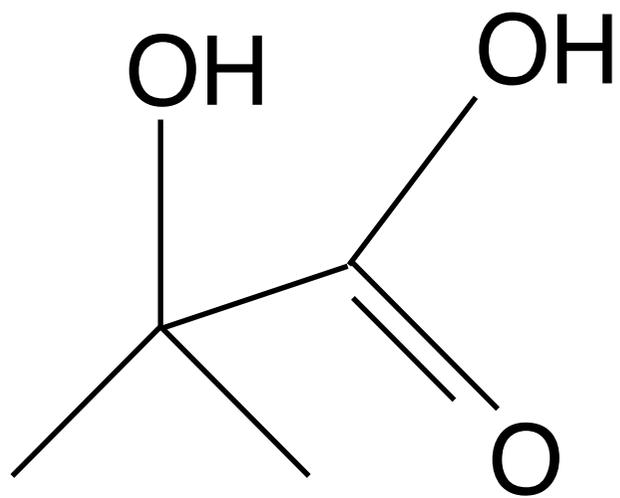


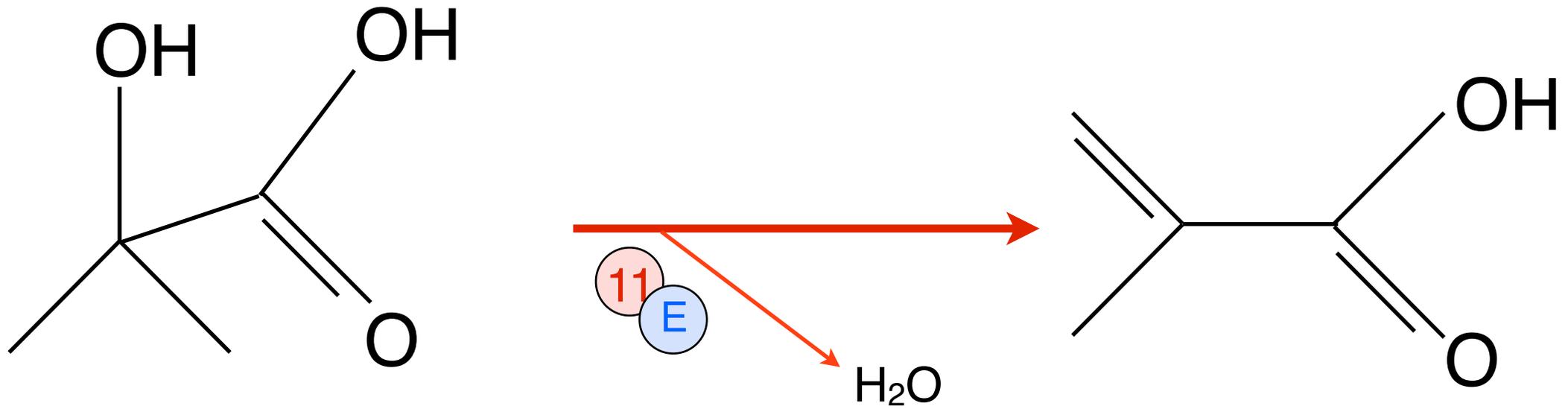
10 -NH₂ wird durch -OH ersetzt ()



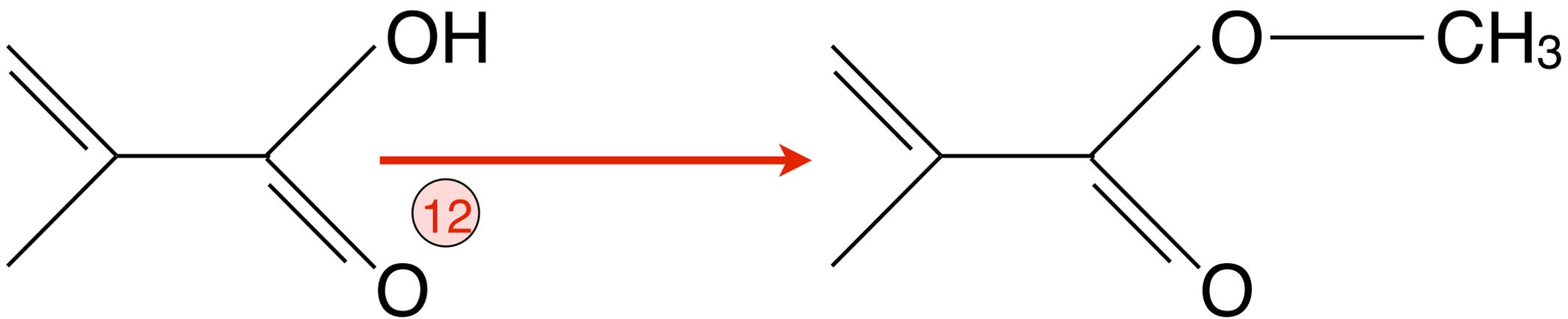
10 -NH₂ wird durch -OH ersetzt (Nucleophile Substitution S_N)

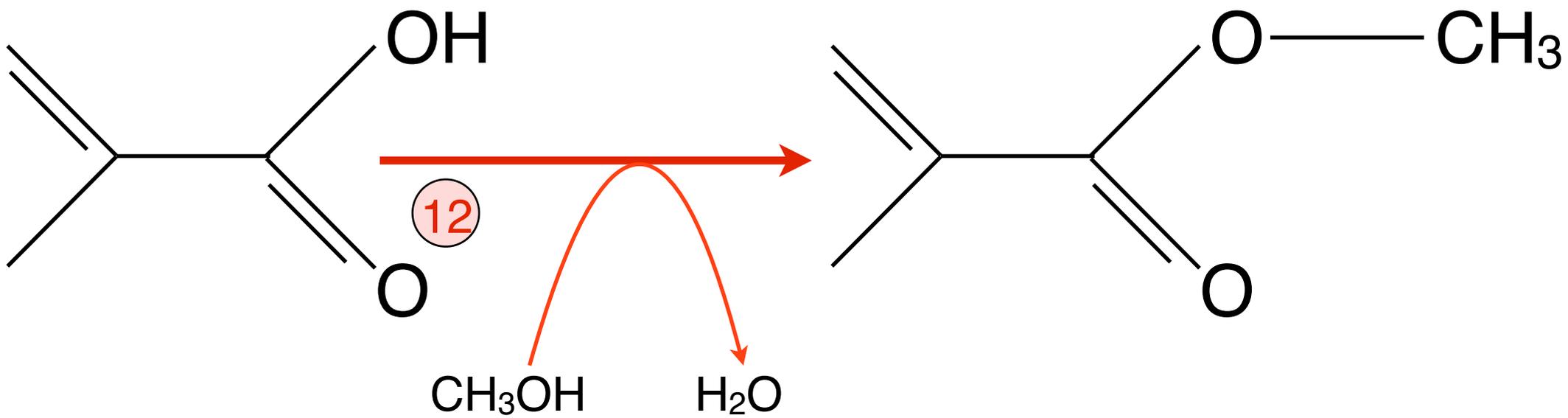


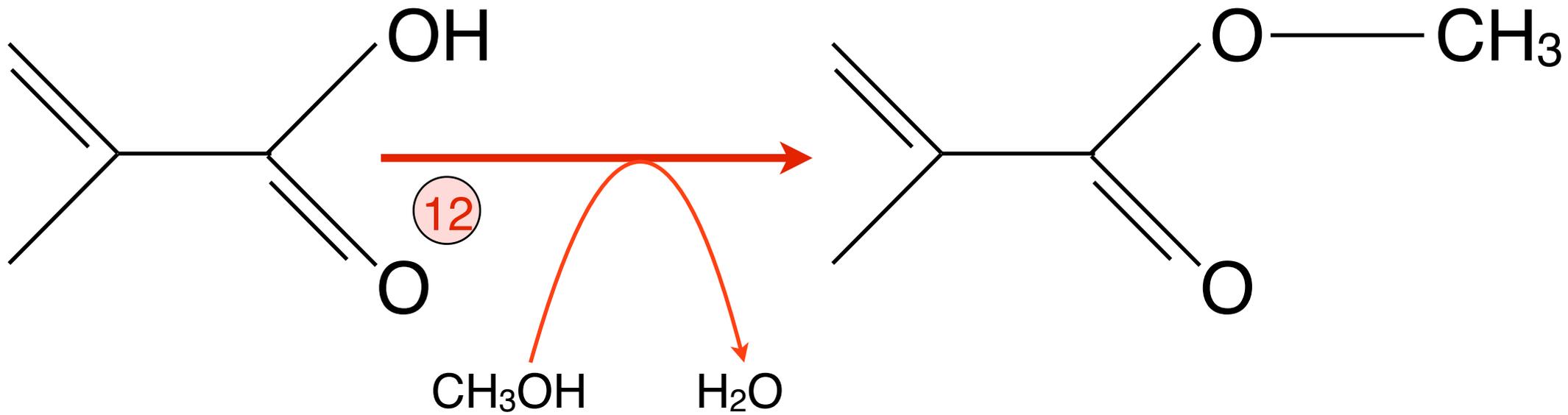




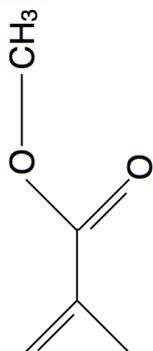
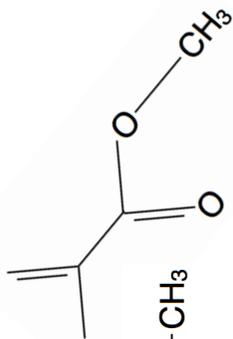
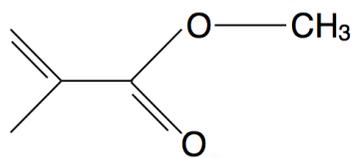
11 Dehydratisierung ([Eliminierung E](#))



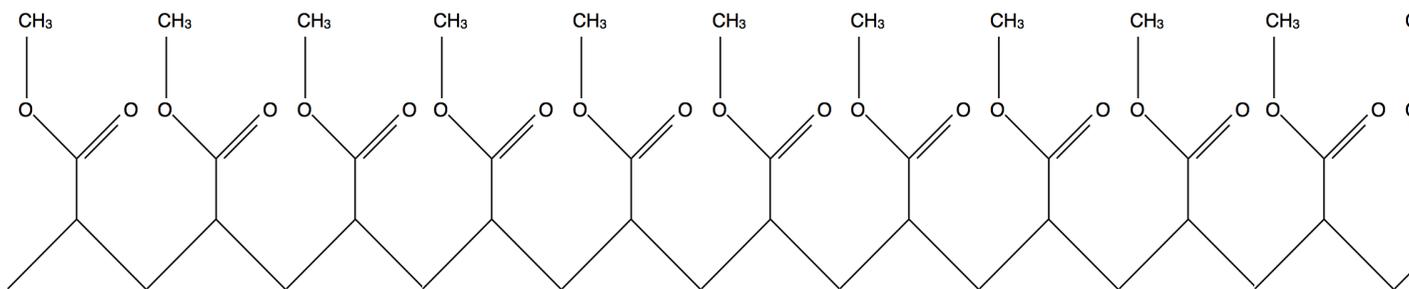


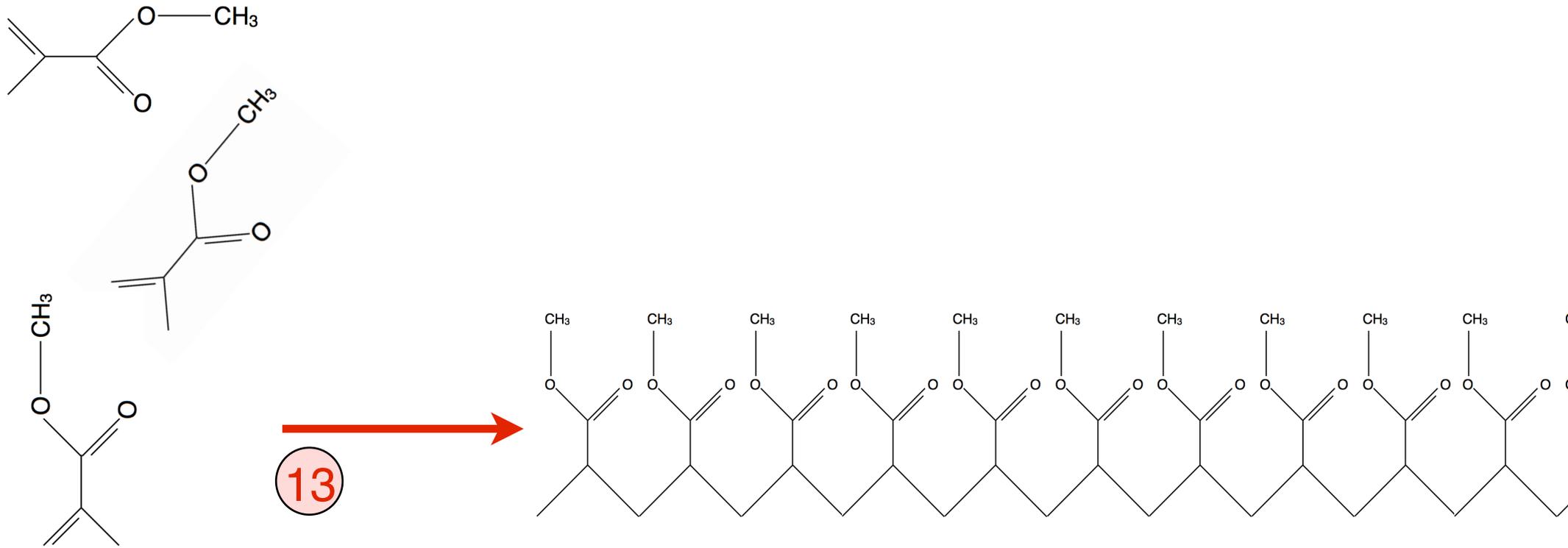


12 Veresterung (komplexe Reaktion, mehrere Schritte)



13





13 Polymerisation (**Radikalische Polymerisation**)