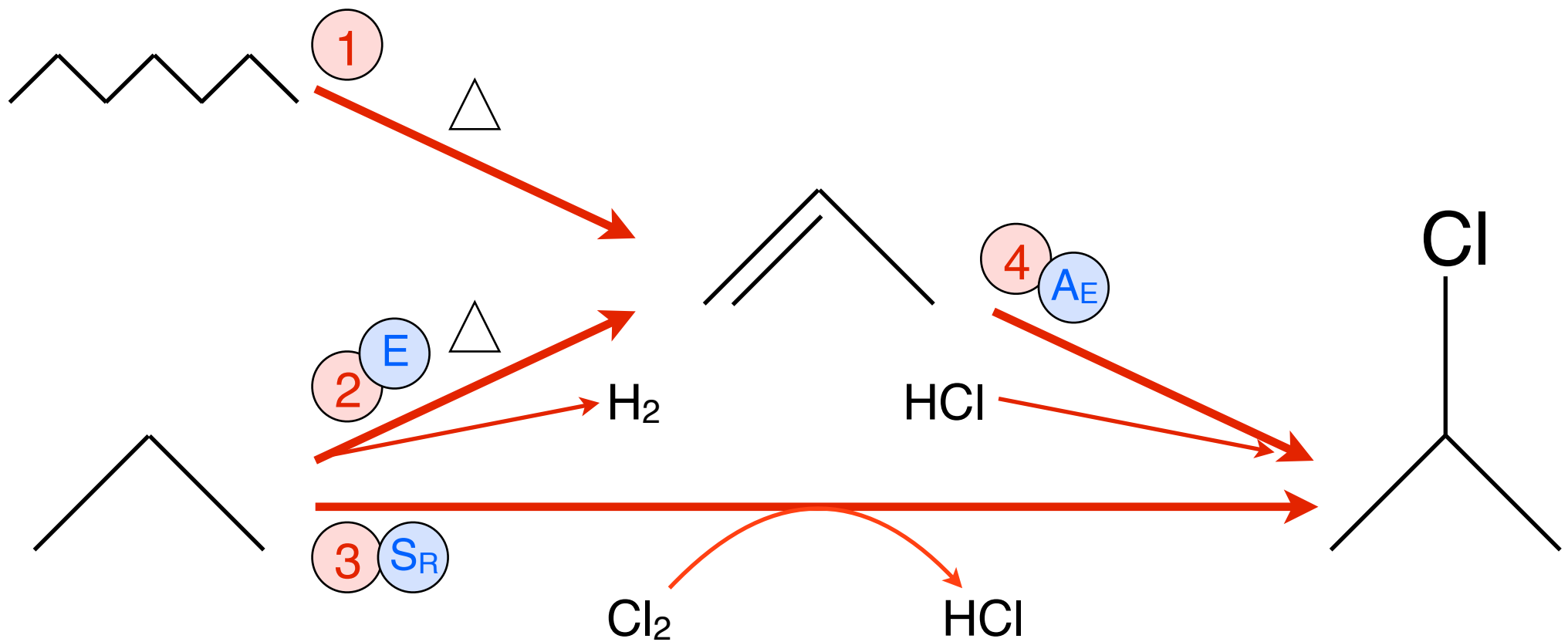


① Steamcracken von längerkettigen Alkanen

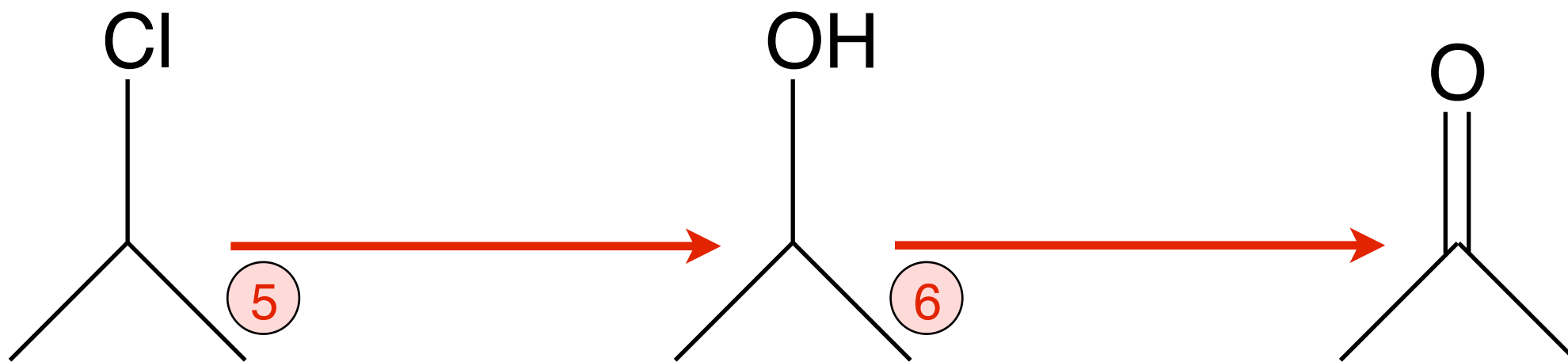
② Dehydrierung von Propan ( )

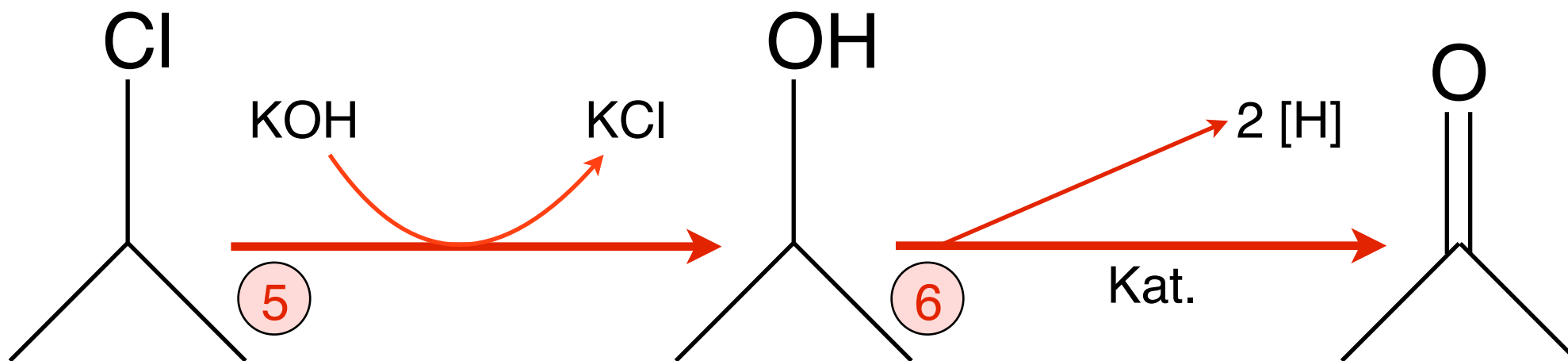
③ Chlorierung von Propan ( )

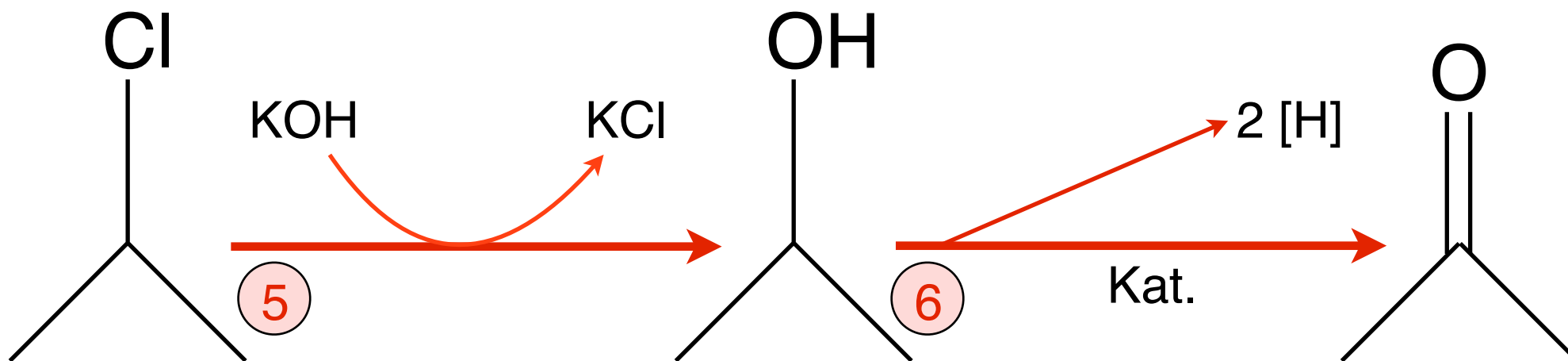
④ Hydrochlorierung von Propen ( )



- ① Steamcracken von längerkettigen Alkanen
- ② Dehydrierung von Propan ( **Eliminierung E** )
- ③ Chlorierung von Propan ( **Radikalische Substitution S<sub>R</sub>** )
- ④ Hydrochlorierung von Propen ( **Elektrophile Addition A<sub>E</sub>** )

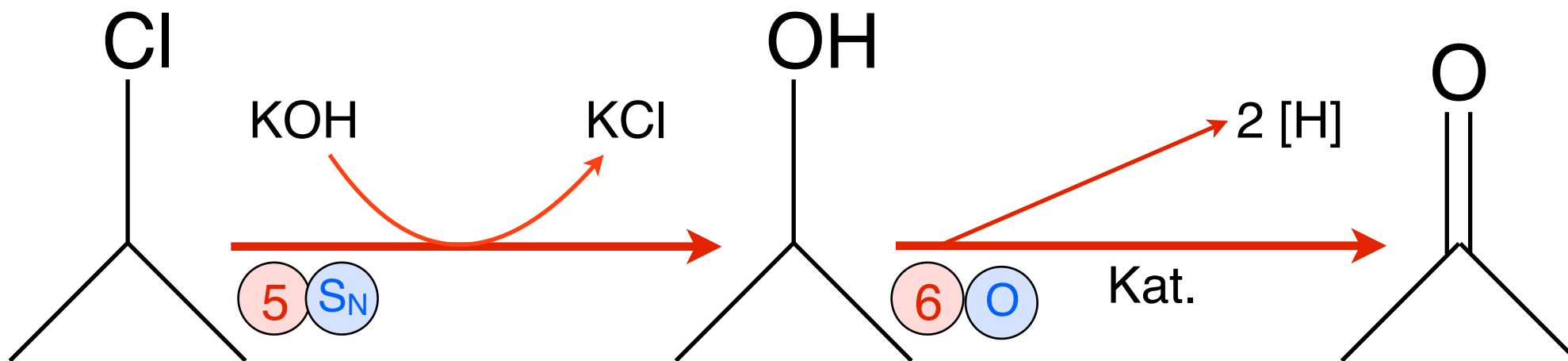






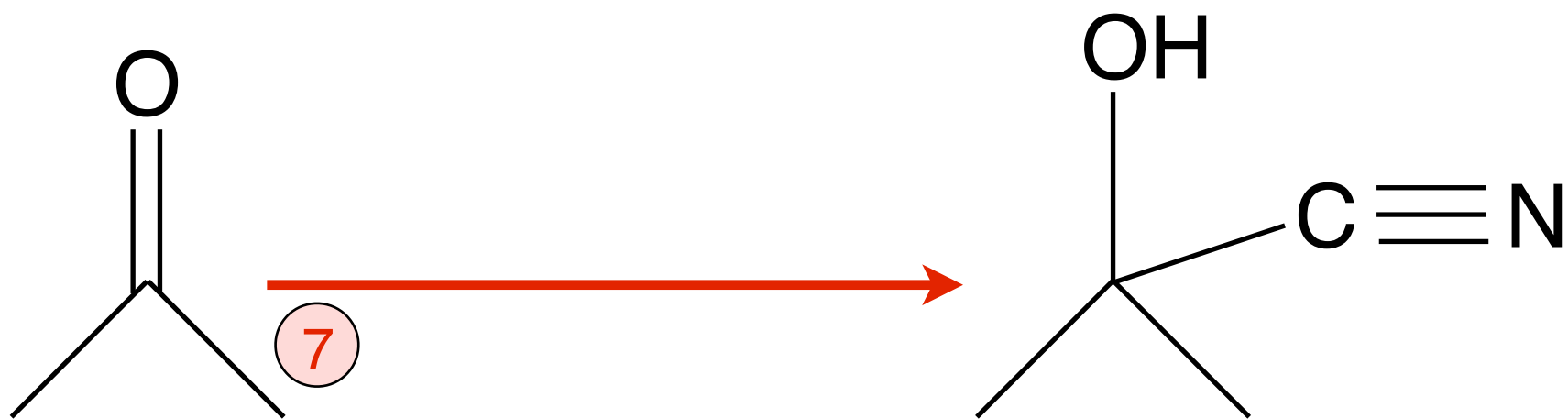
1 Reaktion mit Kalilauge ( )

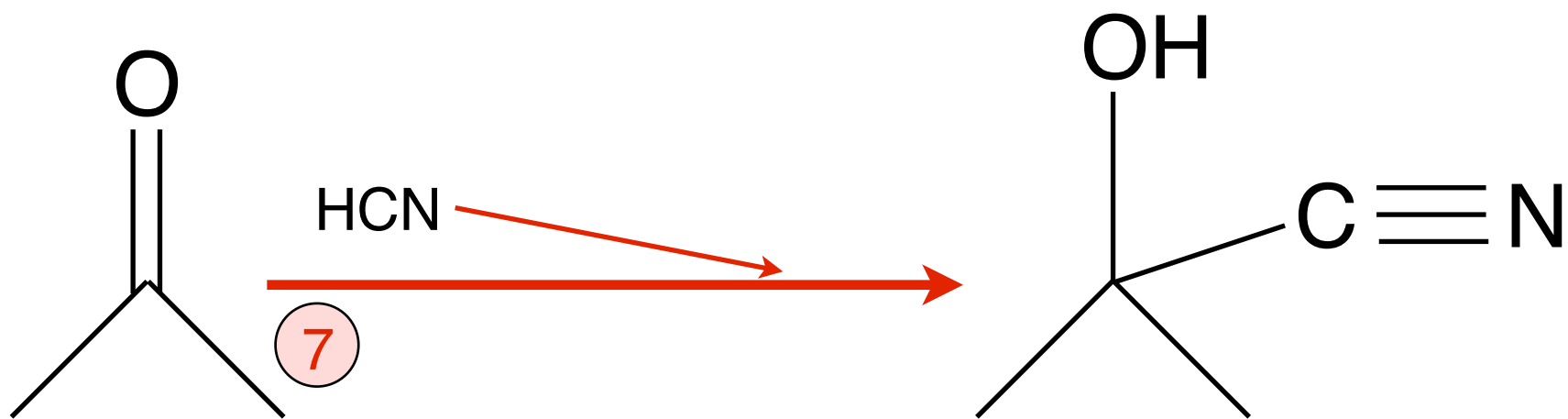
2 Katalytische Dehydrierung ( )

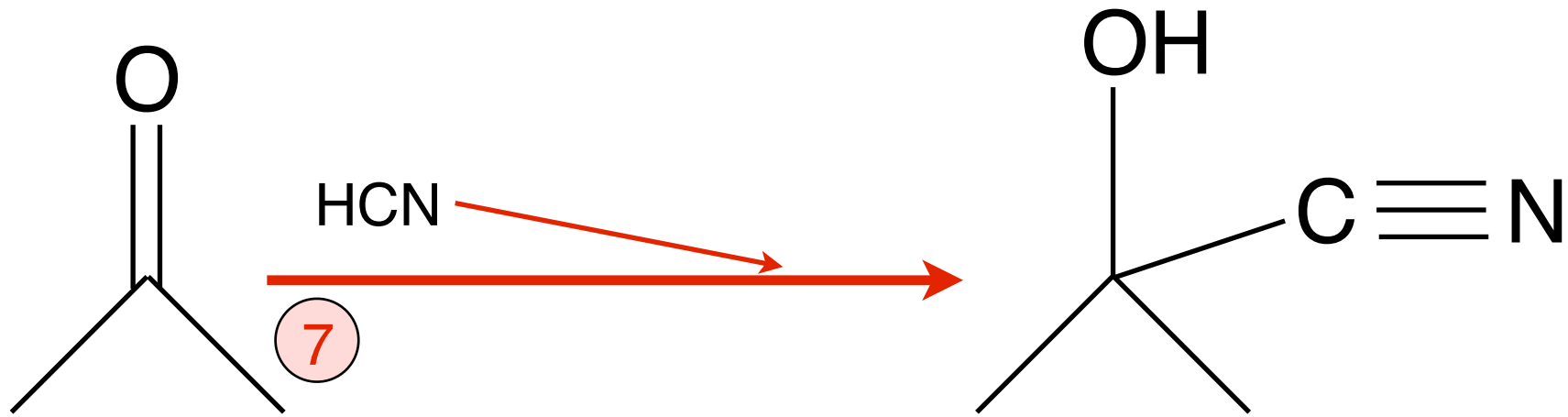


- 1 Reaktion mit Kalilauge ( Nucleophile Substitution S<sub>N</sub> )
- 2 Katalytische Dehydrierung ( Oxidation )

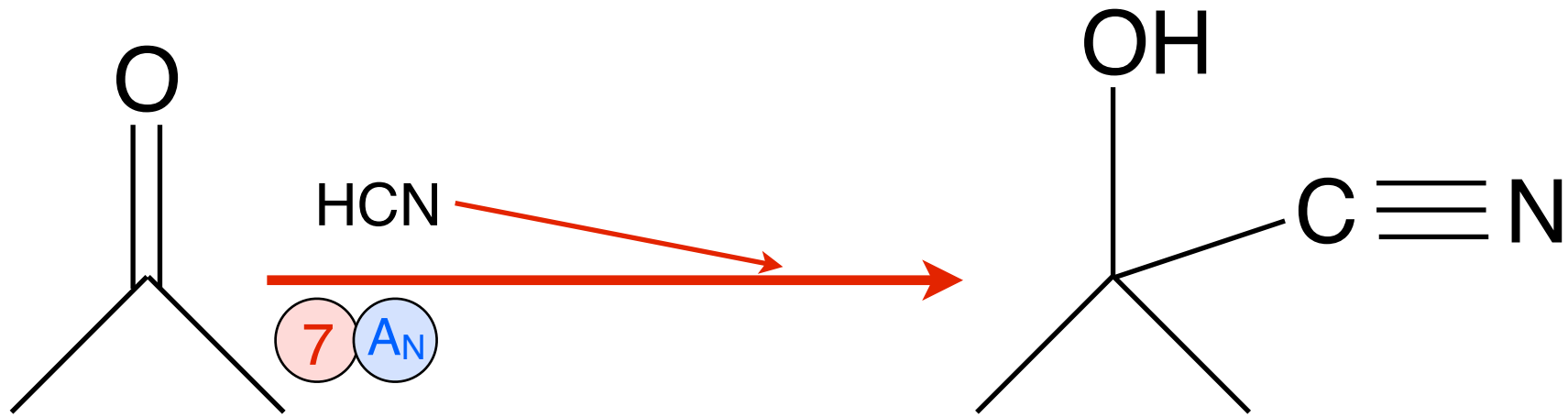




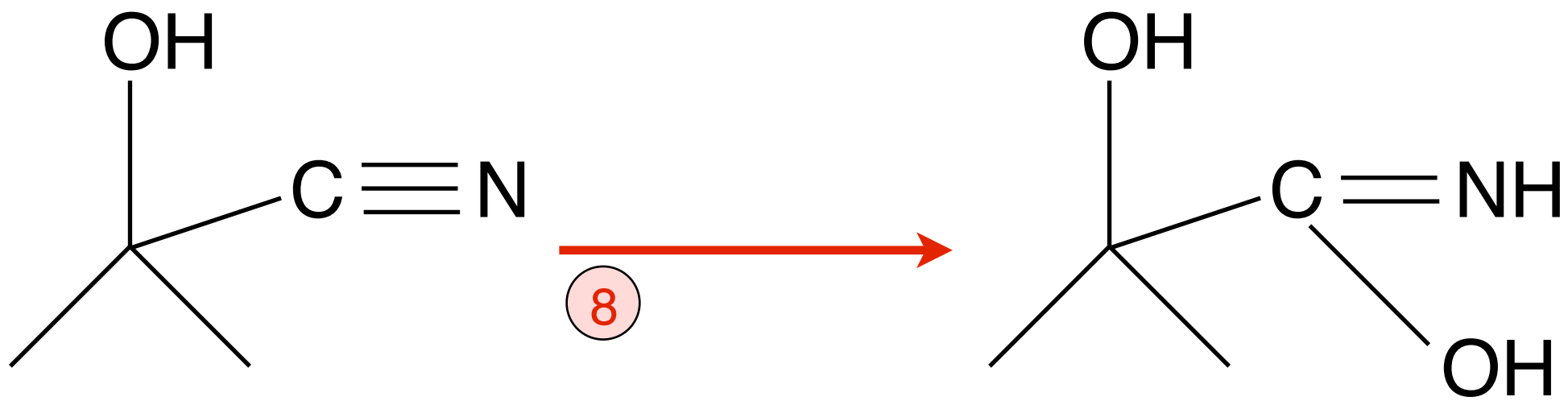


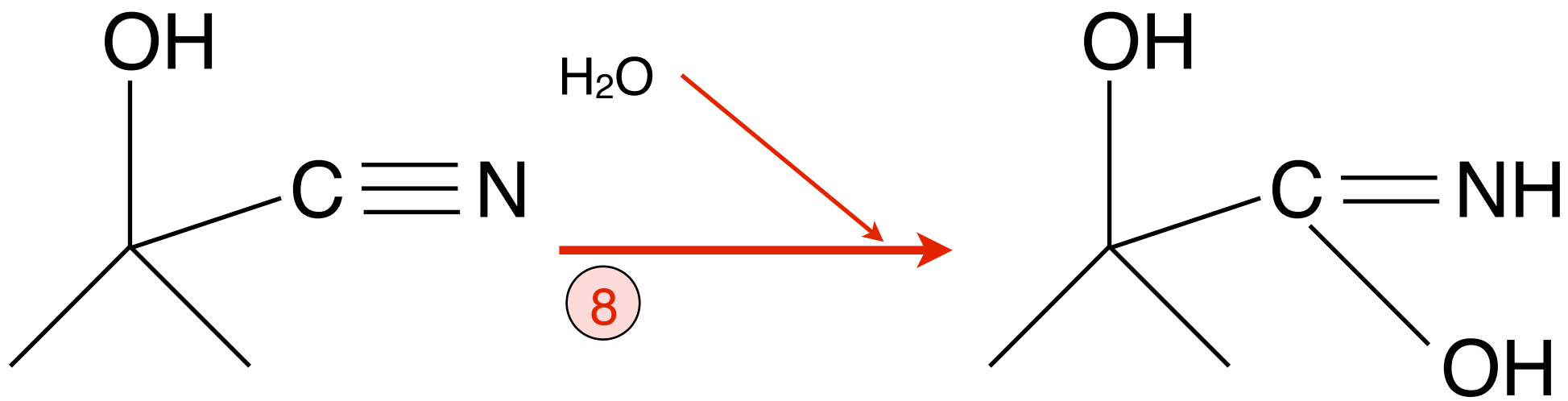


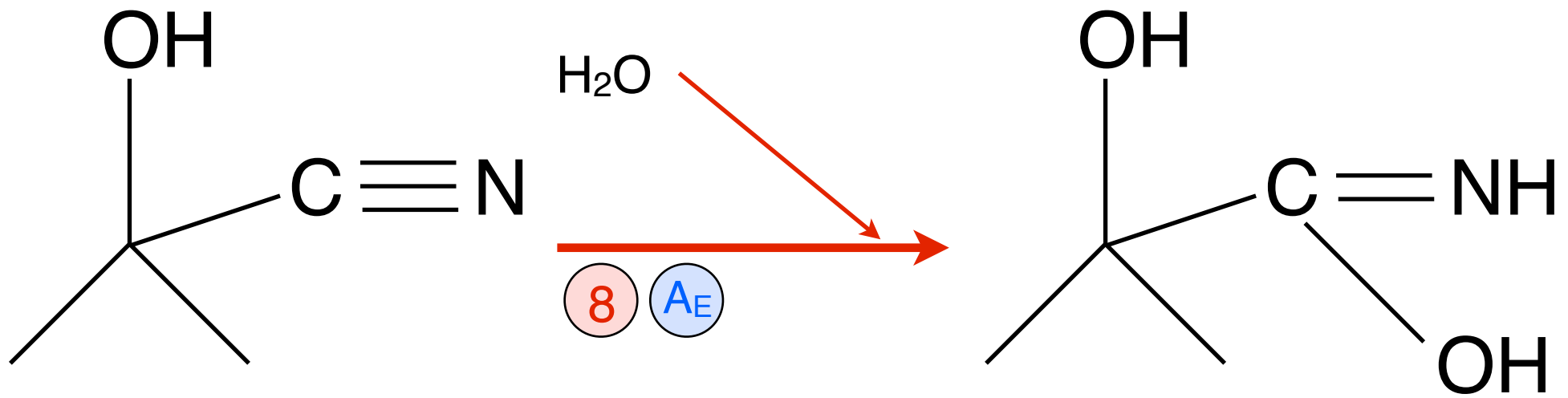
7 Reaktion mit Cyanwasserstoff ( )



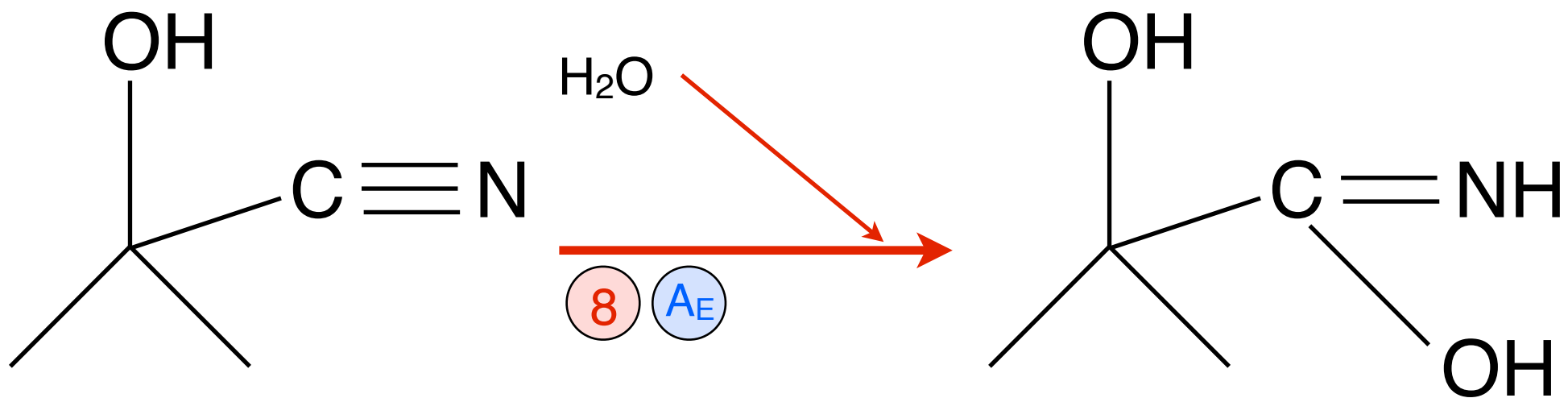
7 Reaktion mit Cyanwasserstoff ( Nucleophile Addition A<sub>N</sub> )





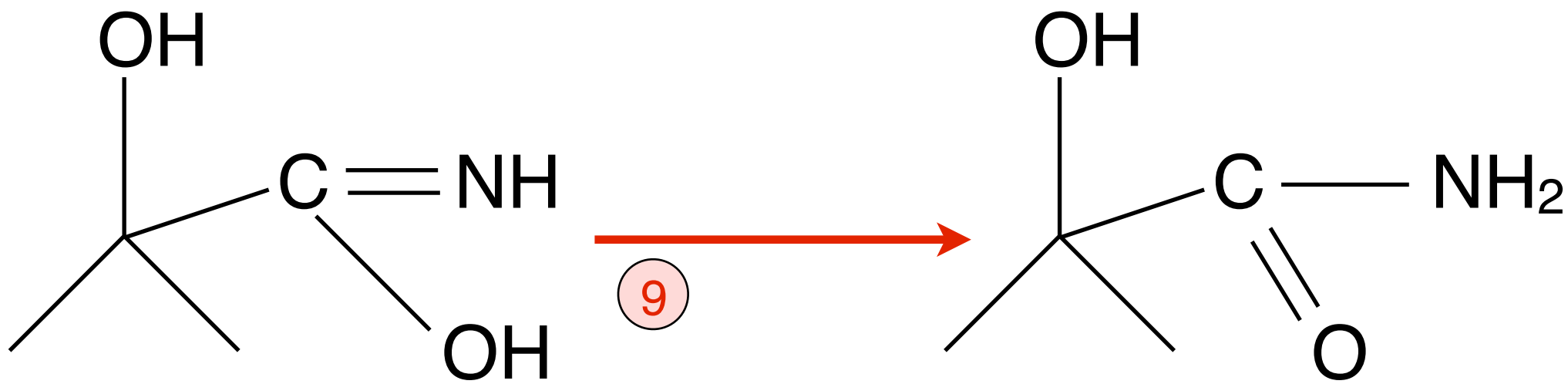


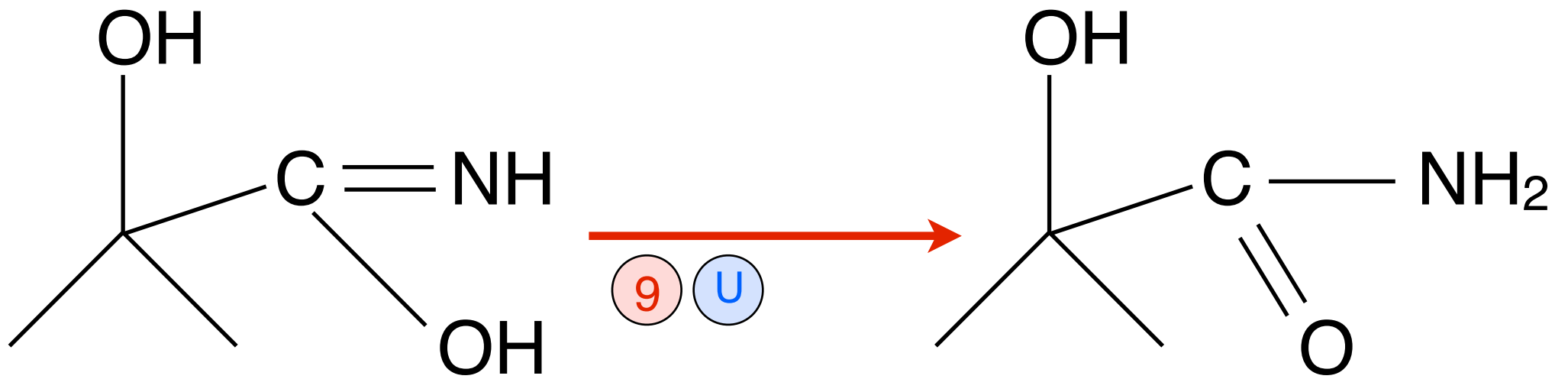
8 Addition von Wasser ( )



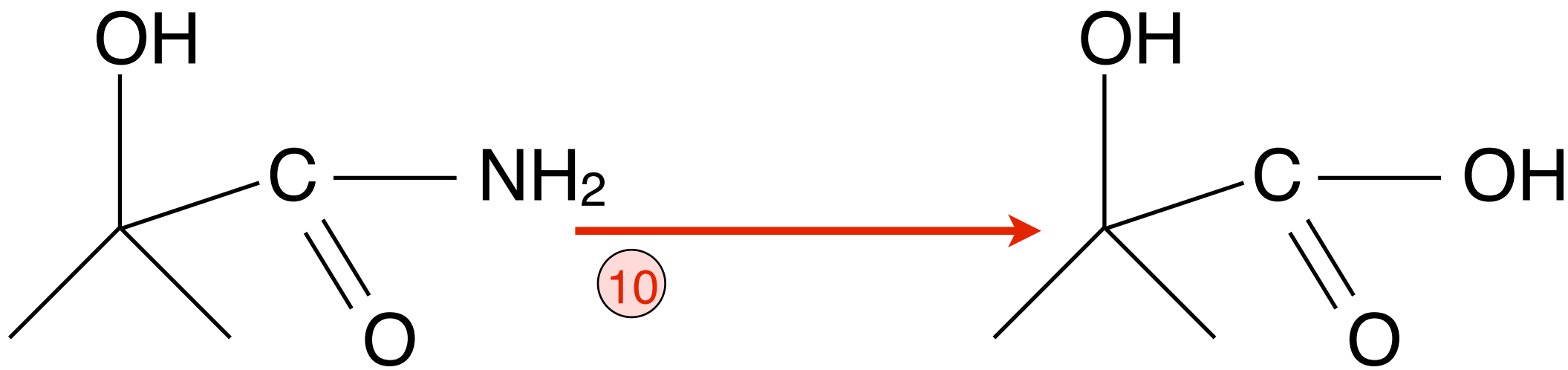
8 Addition von Wasser ( [Elektrophile Addition  \$\text{A}\_\text{E}\$](#)  )

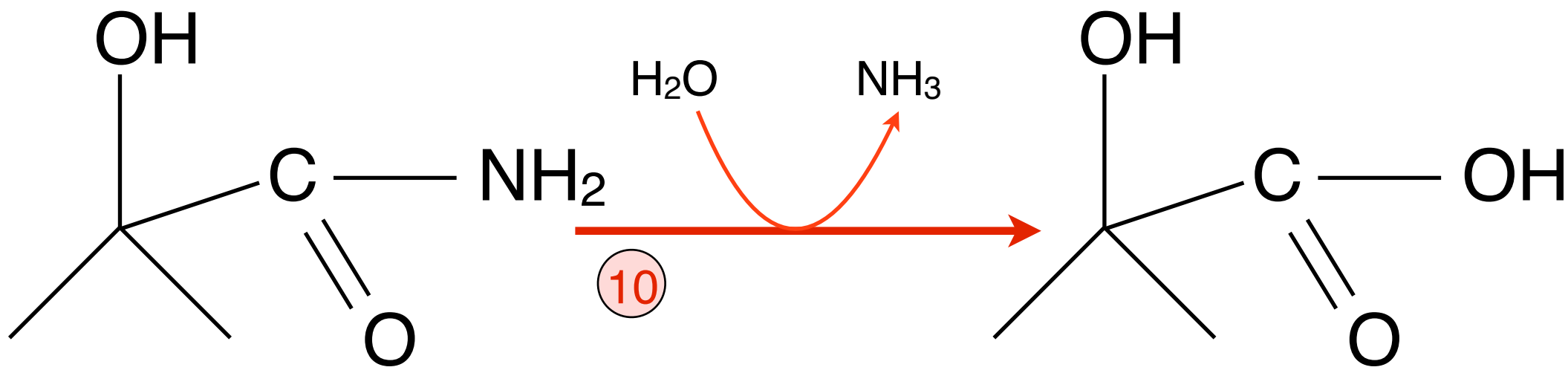


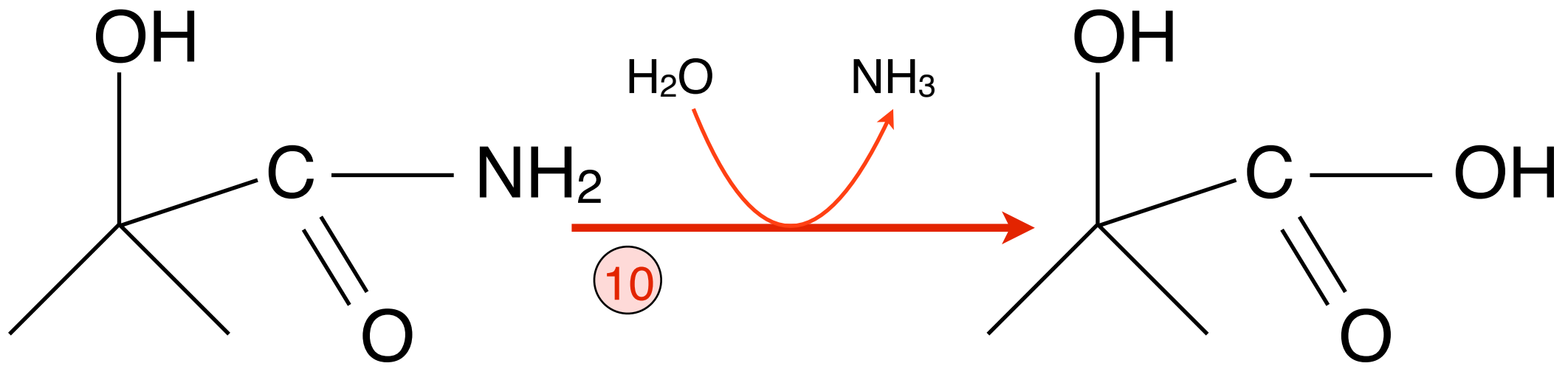




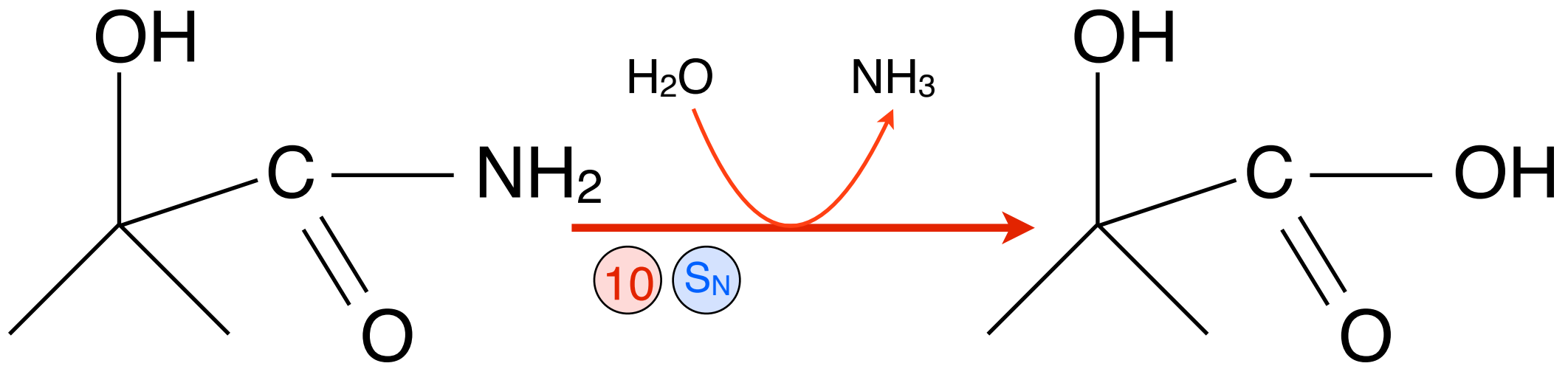
9 Umlagerung eines instabilen Zwischenproduktes



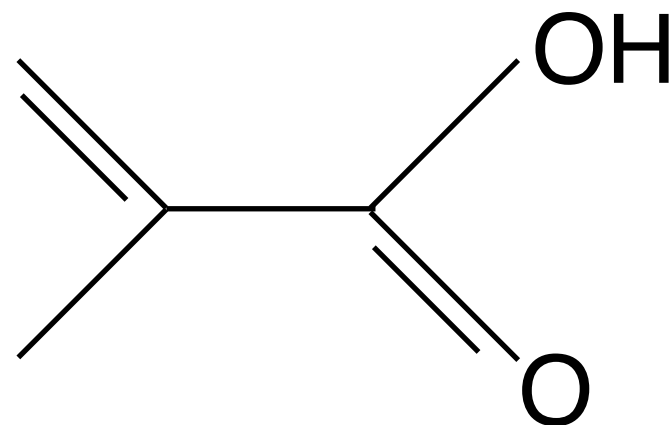
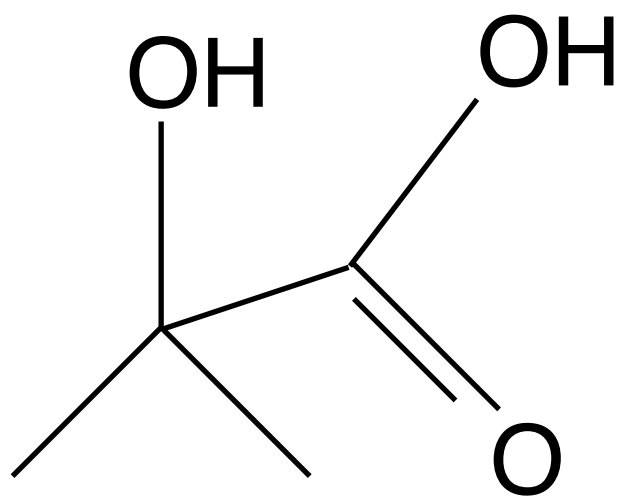


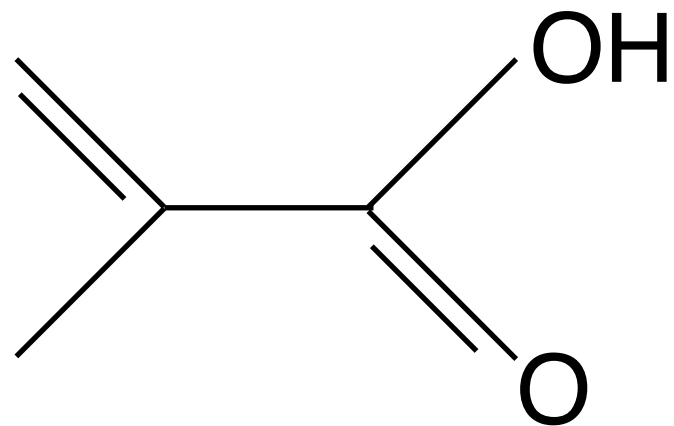
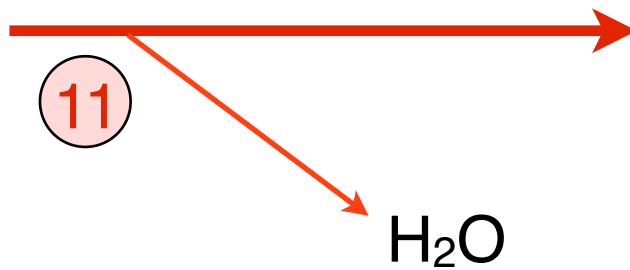
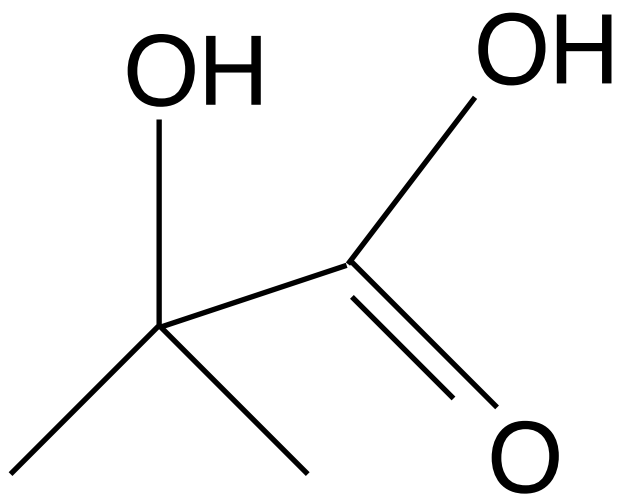


10 -NH<sub>2</sub> wird durch -OH ersetzt ( )

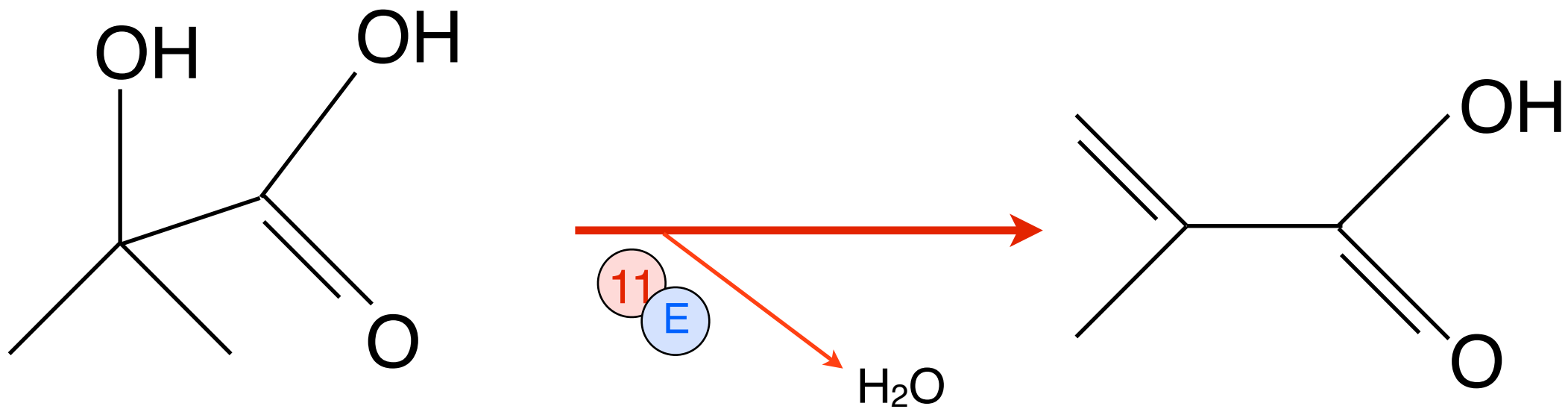


10 -NH<sub>2</sub> wird durch -OH ersetzt ( Nucleophile Substitution S<sub>N</sub> )

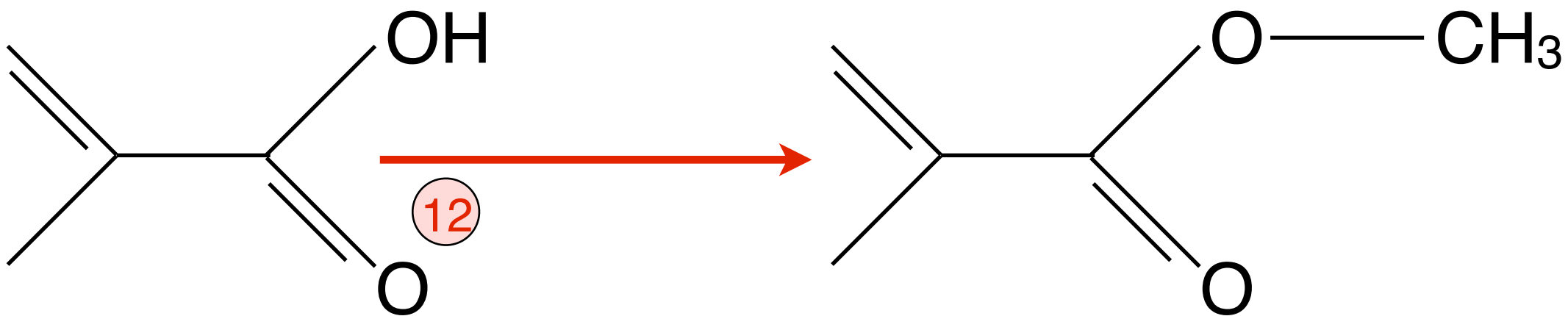


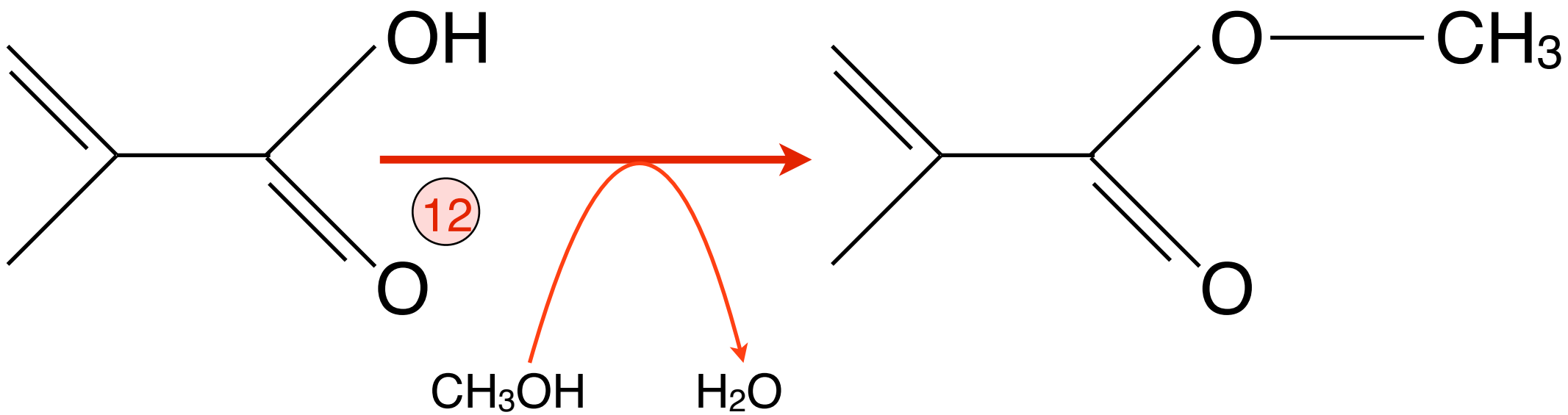


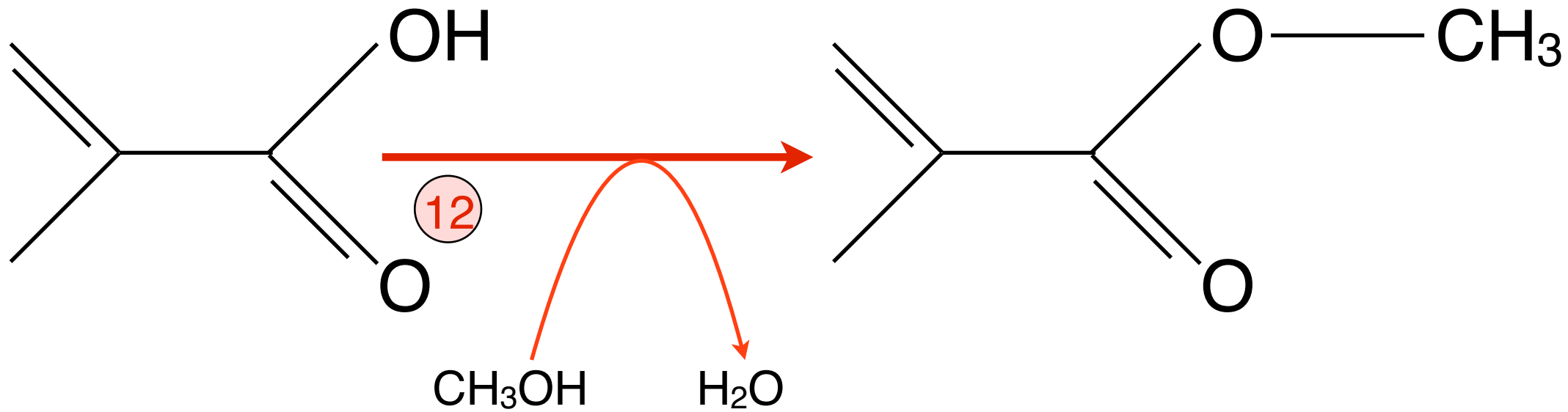




11 Dehydratisierung ( [Eliminierung E](#) )

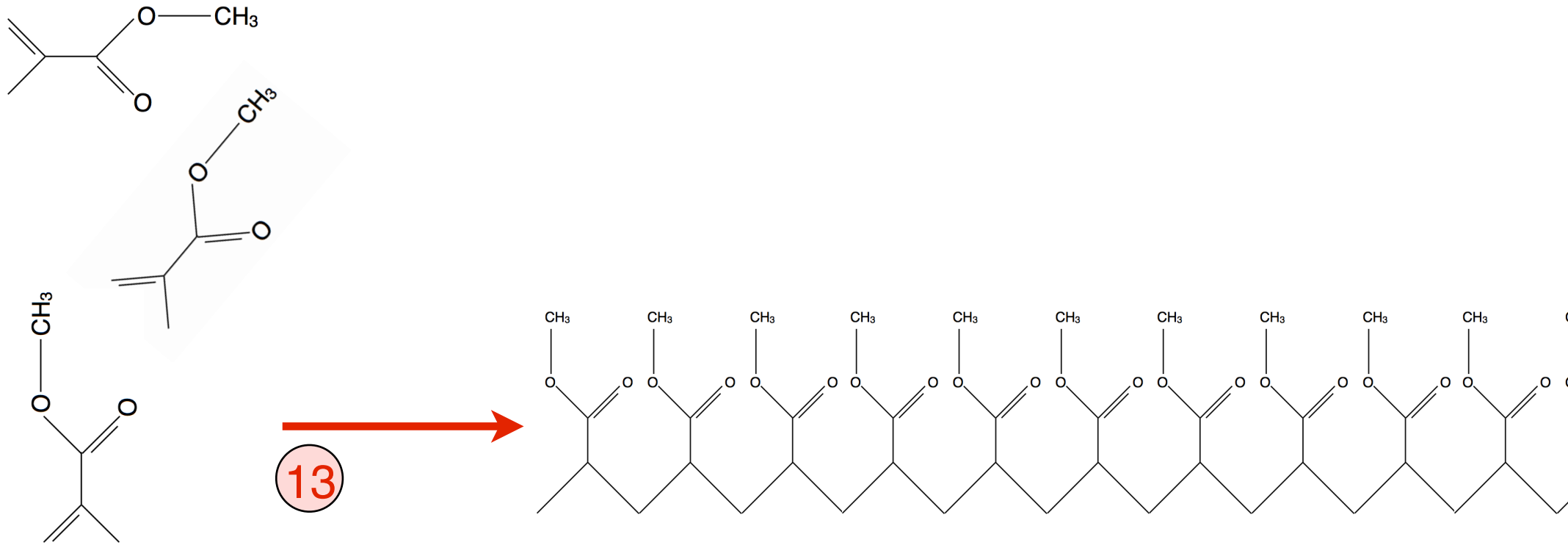






12 Veresterung ( komplexe Reaktion, mehrere Schritte )





**13** Polymerisation ( **Radikalische Polymerisation** )