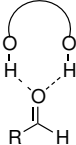
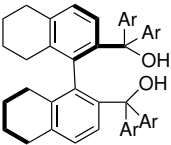


single point activation

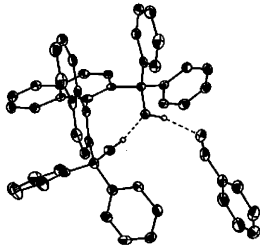


two-point activation

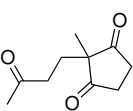




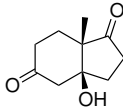
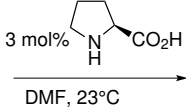
BAMOL **14**



X-Ray Crystal structure of the BAMOL-Benzaldehyde complex

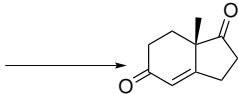


**15**

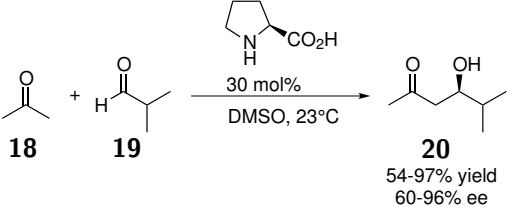


**16**

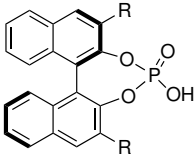
93% ee  
>99% yield



**17**







**3a**

$R = H$

**3b**

$R = Ph$

**3c**

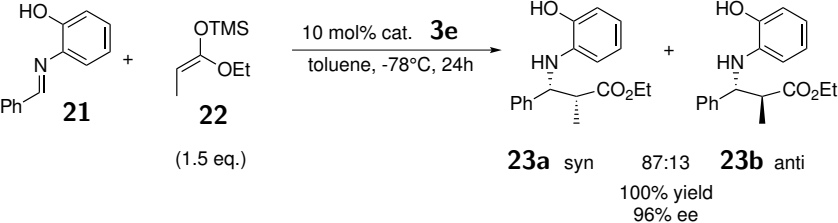
$R = 4\text{-Biph}$

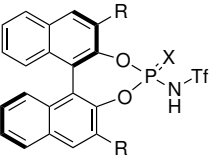
**3d**

$R = 4\text{-(Naph)-C}_6\text{H}_4$

**3e**

$R = 4\text{-NO}_2\text{C}_6\text{H}_4$





$X = O$

**24a**  $R = Ph$

**24b**  $R = 1,3,5-(i\text{-}Pr)_3C_6H_4$

$X = S$

$X = Se$

