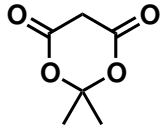


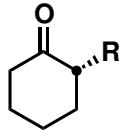
+



12.5 mol %

5 mol %  $\text{Pd}_2(\text{dba})_3$

$p$ -dioxane, 22 °C



77-99% yield  
up to 96:4 er

R = Me, Et, Bn, allyl

**(S)-*t*-Bu-PHOX**

