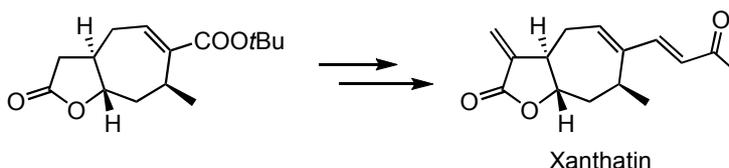


5. NaBH₄, MeOH, -78 °C
6. imidazole, PPh₃, I₂, CH₂Cl₂, 81% (2 steps)
7. active Zn, DMF, 60 °C;
CuCN·2LiCl, -55 °C to 0 °C;



8. Grubbs II (cat.), PhMe, reflux, 92%
9. SeO₂, dioxane, reflux, 85%
10. DMAP (cat.), Et₃N, Ac₂O, THF, 0 °C, 100%
11. CuCN, MeLi, THF, 0 °C, 89%



Bergmann, A.; Reiser, O.

Chem. Eur. J. **2014**, Early View, DOI: 10.1002/chem.201402735.

