

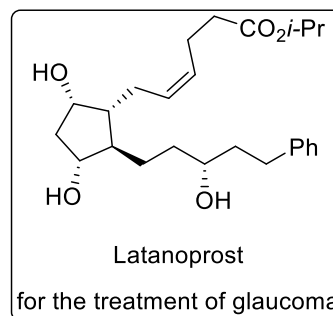
4 contiguous chiral centers
on the cyclopentene ring

Total Synthesis of Prostaglandins

first total synthesis by E. J. Corey in 1969,
then by Woodward, Stork, Noyori, Danishefsky, Baran...

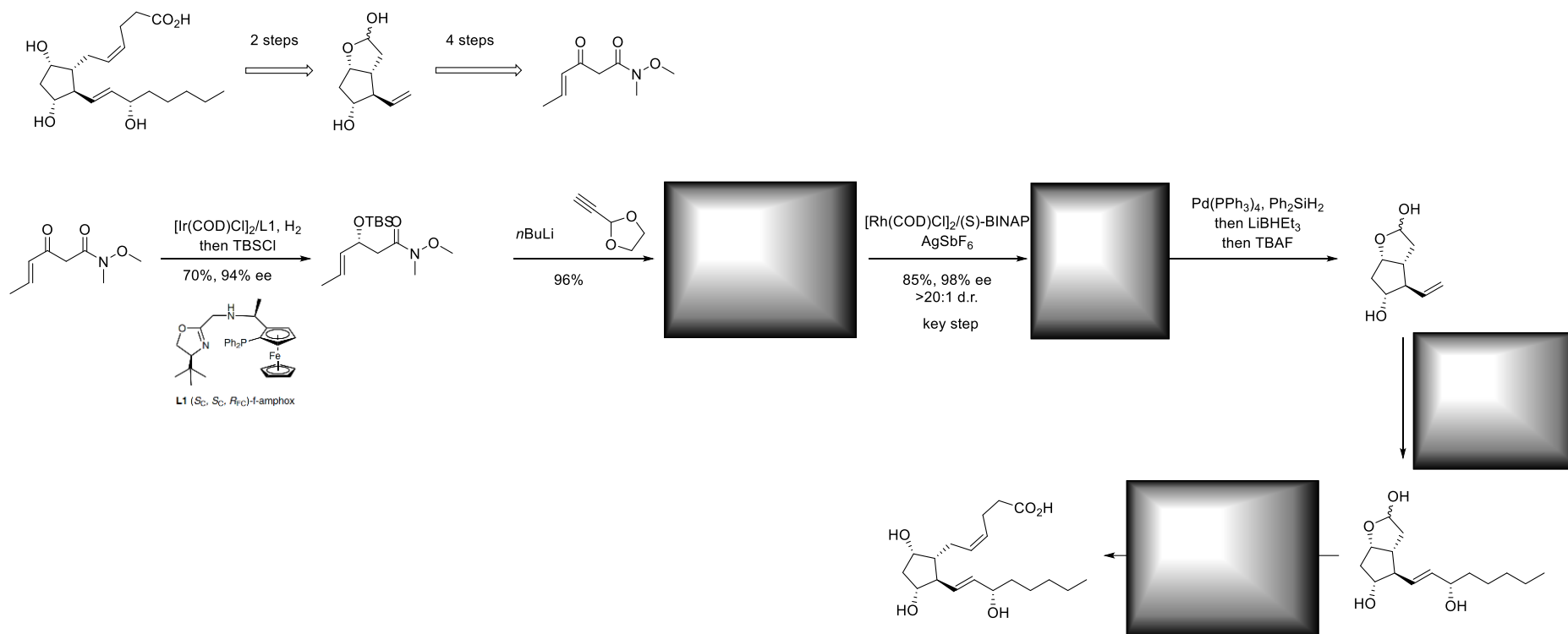
Nat. Chem. **2021** (Gen-Qiang Chen & Xumu Zhang)

Nature **2012**, 278 (Aggarwal)



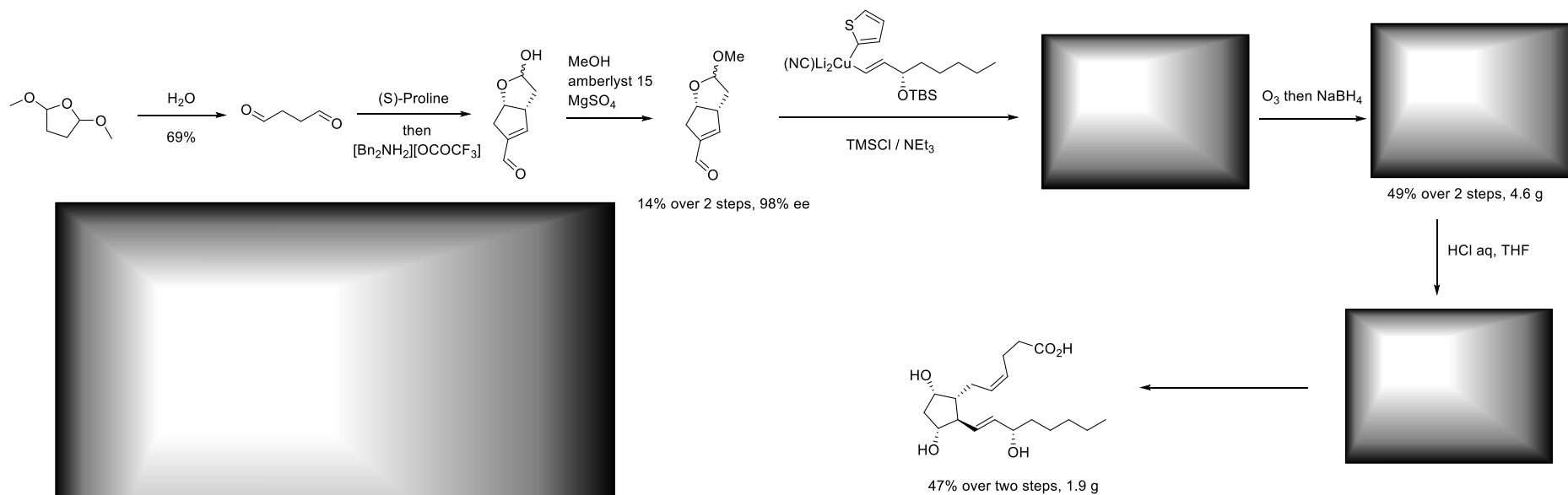
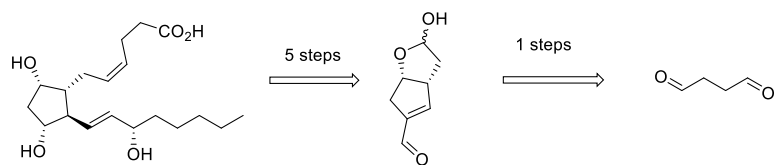
Nat. Chem. 2021 (Gen-Qiang Chen & Xumu Zhang)

Retro-synthetic analysis



Nature **2012**, 278 (Aggarwal)

Retro-synthetic analysis



Solutions

Nat. Chem. 2021 (Gen-Qiang Chen & Xumu Zhang)

Retro-synthetic analysis

