

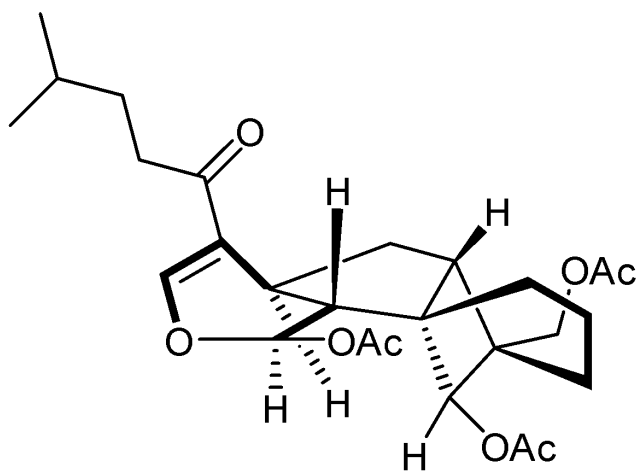
Total Synthesis

International Edition: DOI: 10.1002/anie.201808517

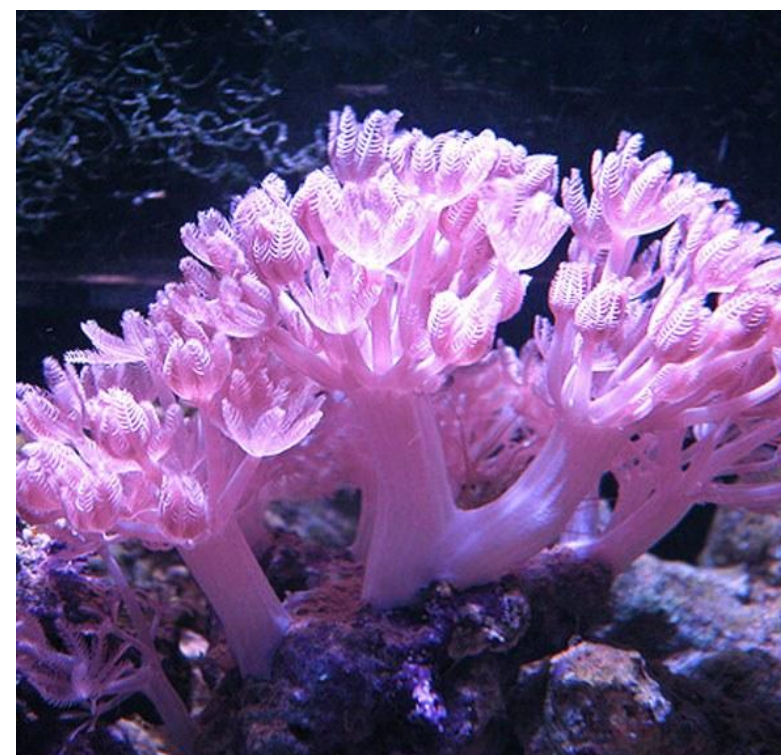
German Edition: DOI: 10.1002/ange.201808517

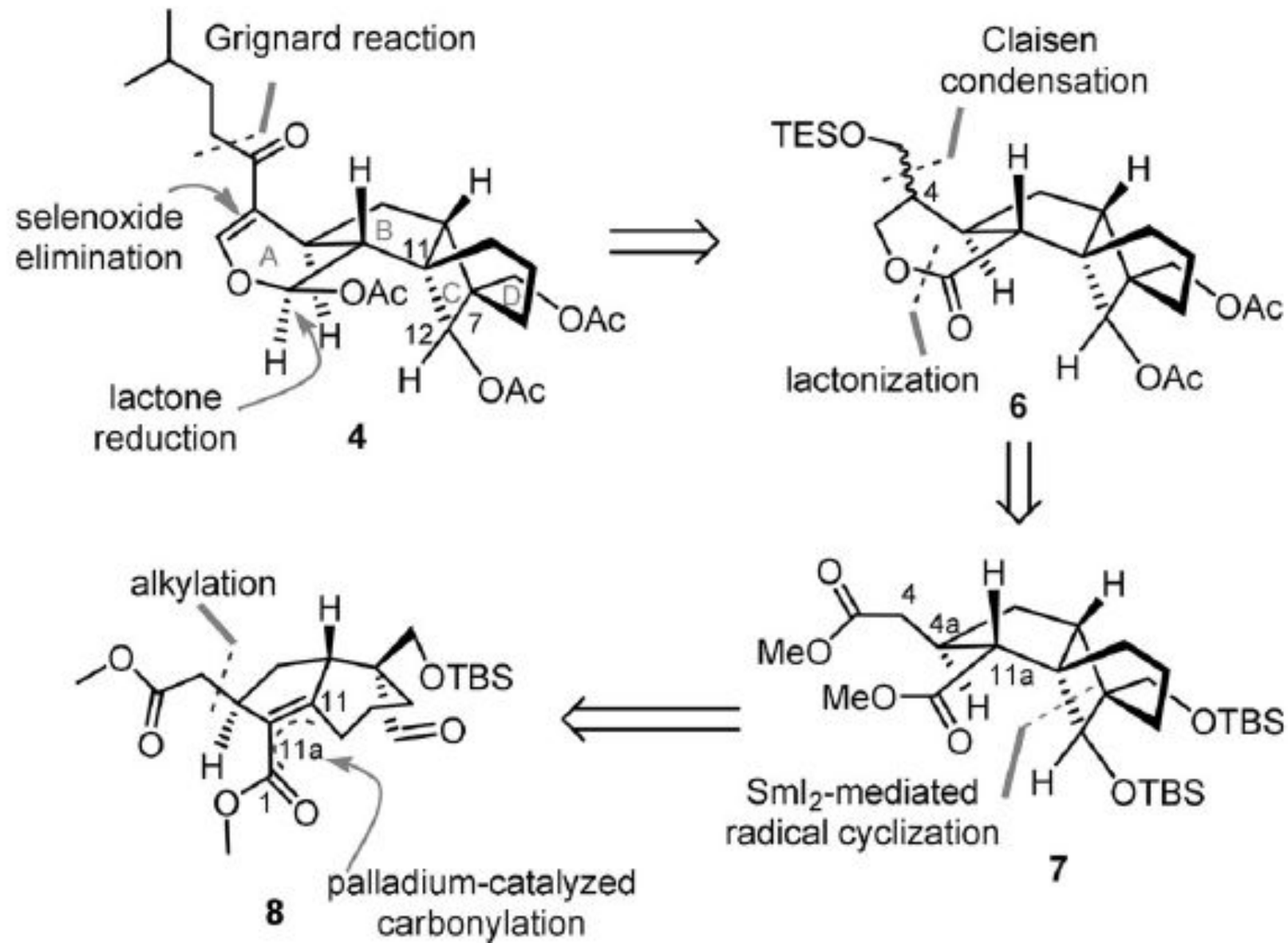
Enantioselective Total Synthesis of (+)-Plumisclerin A

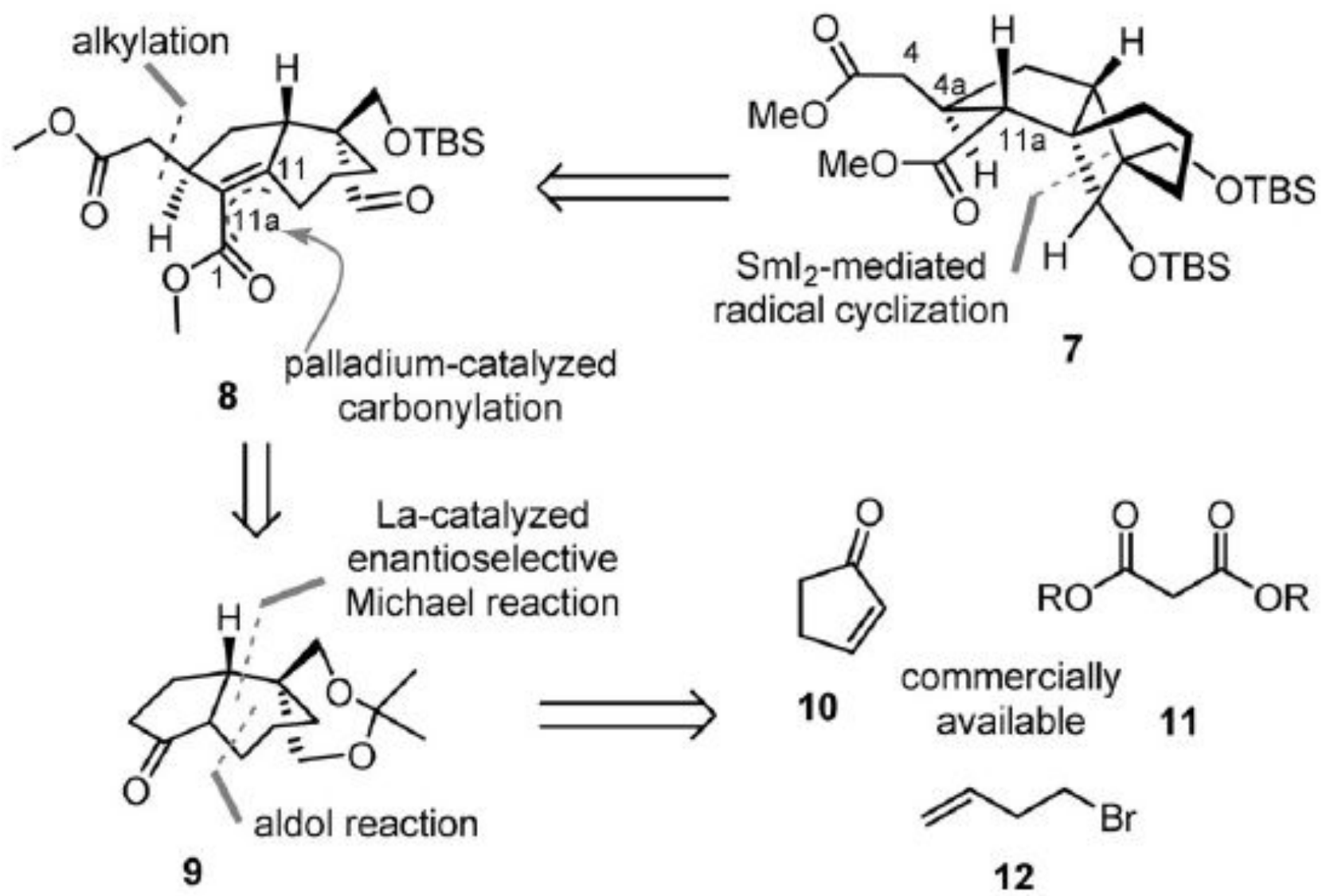
Ming Gao, Ye-Cheng Wang, Kai-Rui Yang, Wei He, Xiao-Liang Yang, and Zhu-Jun Yao*

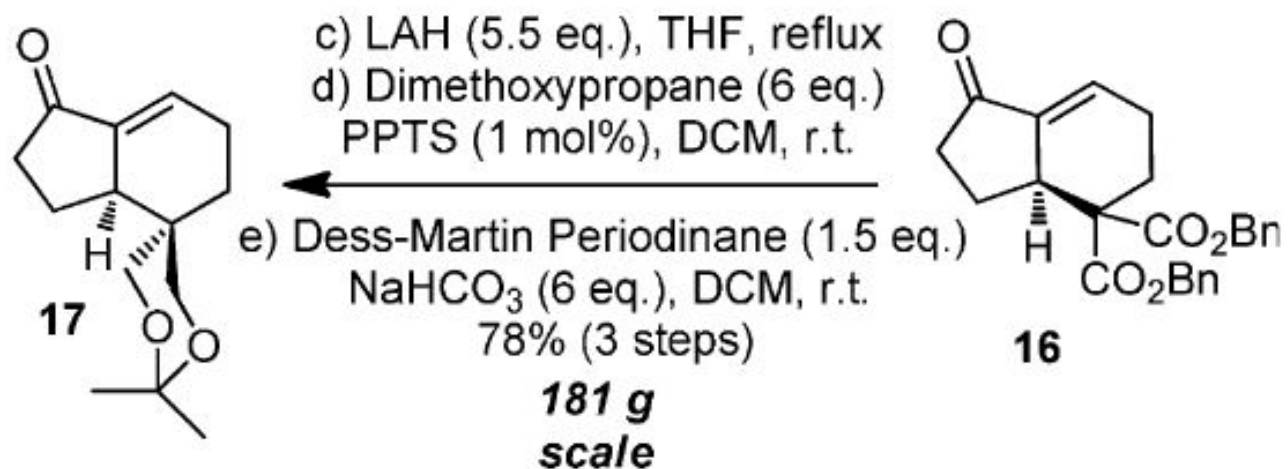
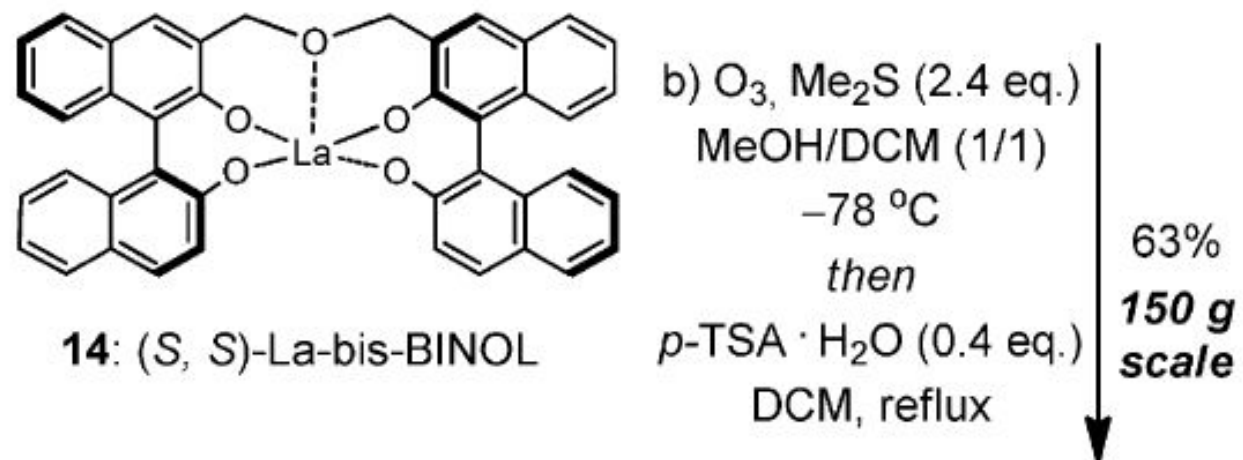
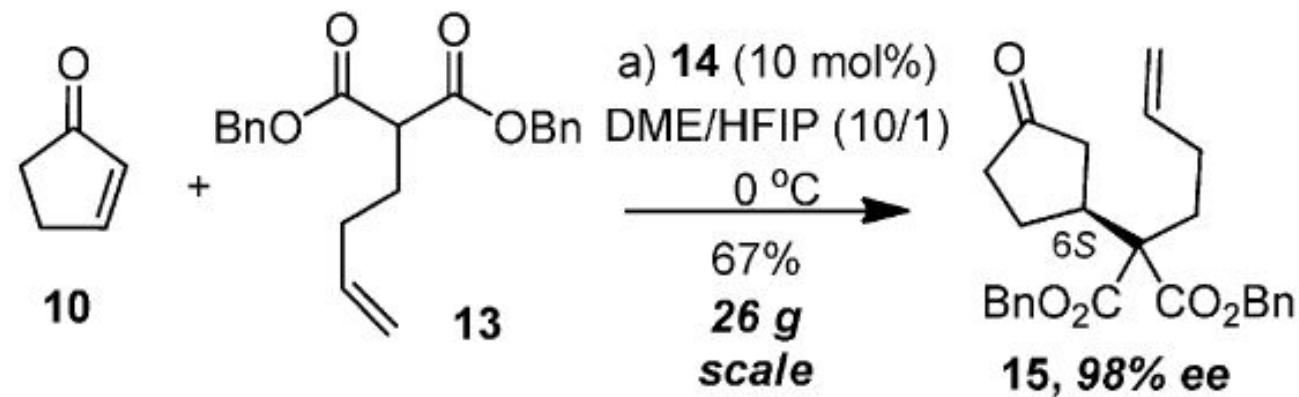


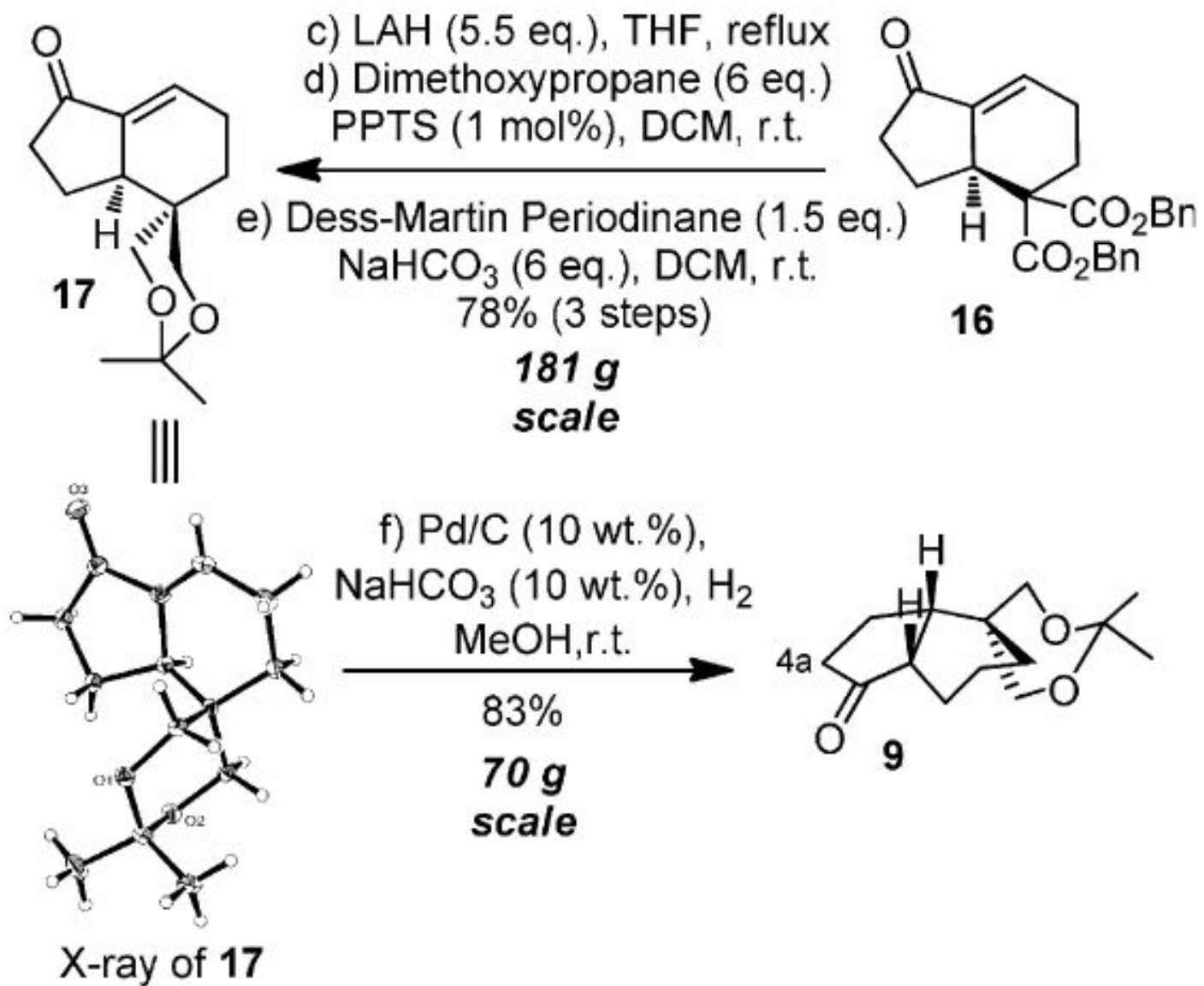
(+)-Plumisclerin A

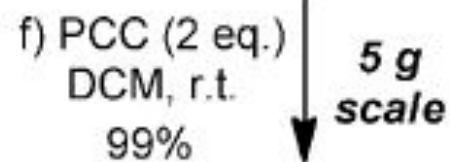
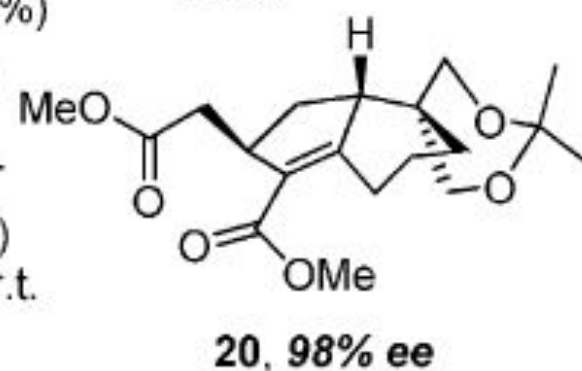
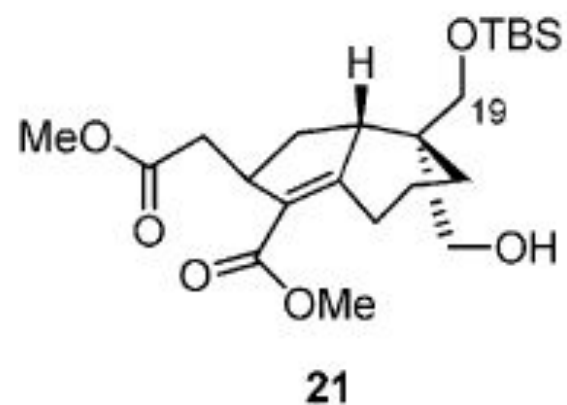
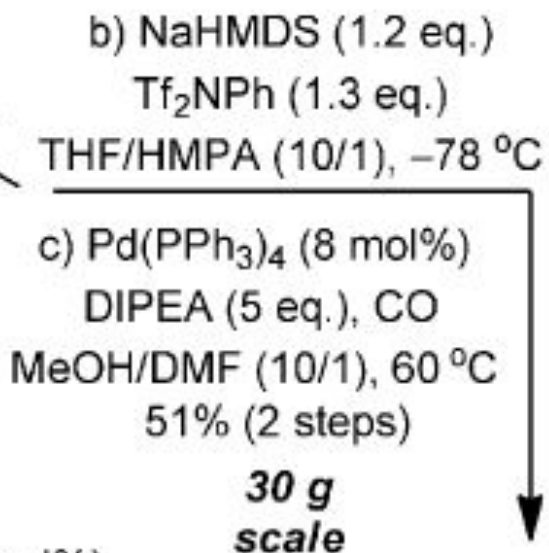
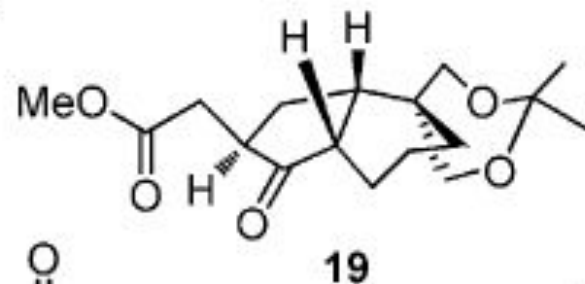
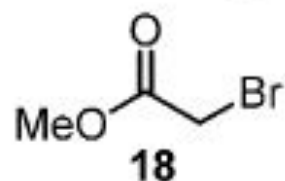
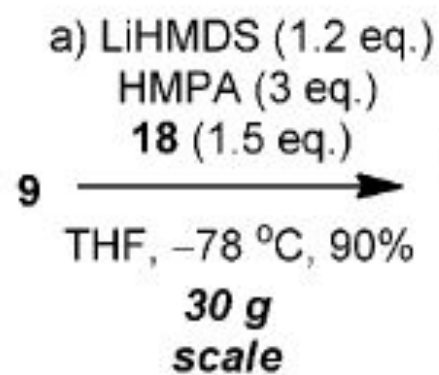
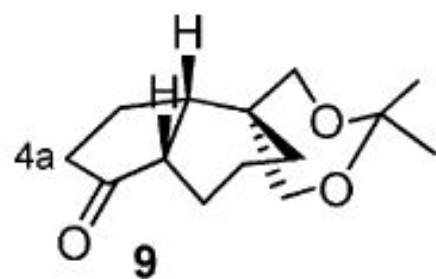


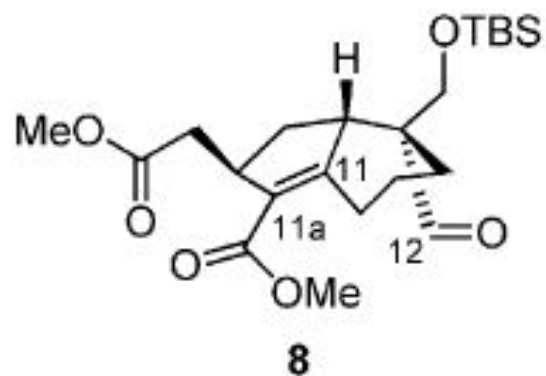












j) HMPA (15 eq.)
Sml₂ (5 eq.)

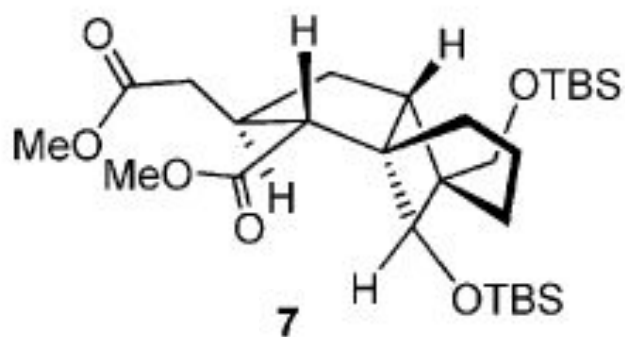
THF/*t*-BuOH (10/1)

-78 °C, 86%

23/22 = 1/3.3

5 g

scale

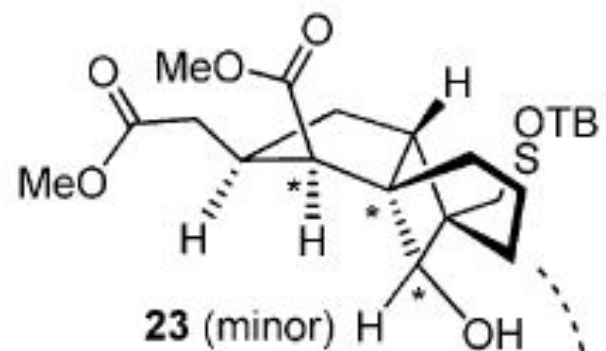


h) Et₃N (4 eq.)
TBSOTf (2 eq.)

DCM, r.t., 91%

3.2 g

scale



+

basic
conditions

