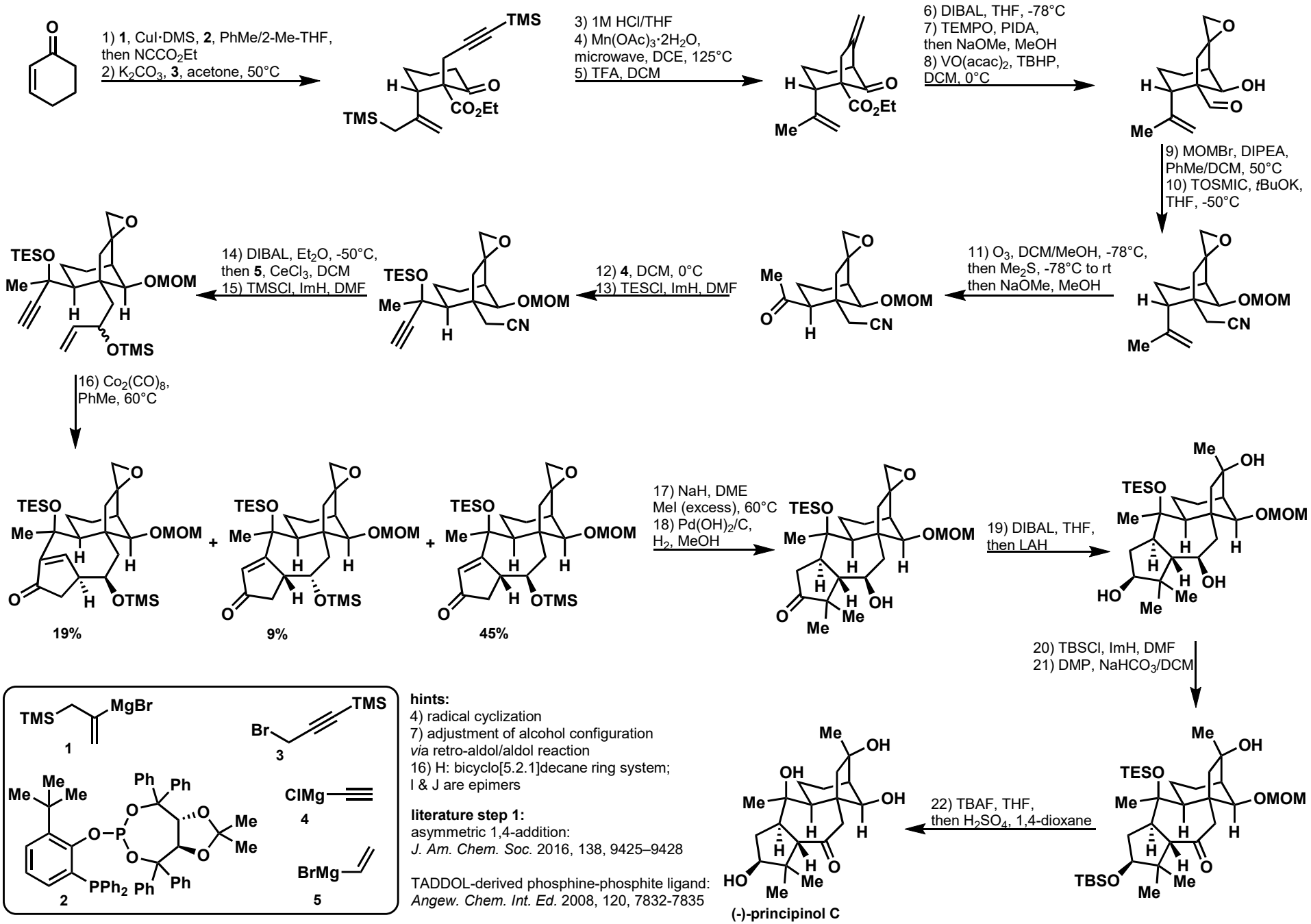
Total Synthesis of (-)-Principinol C

Jia *et al.*, *J. Am. Chem. Soc.* 2022, 144, 20196-20200.



hints:
4) radical cyclization
7) adjustment of alcohol configuration *via* retro-aldol/aldol reaction
16) H: bicyclo[5.2.1]decane ring system; I & J are epimers

literature step 1:
asymmetric 1,4-addition:
J. Am. Chem. Soc. 2016, 138, 9425–9428

TADDOL-derived phosphine-phosphite ligand:
Angew. Chem. Int. Ed. 2008, 120, 7832-7835