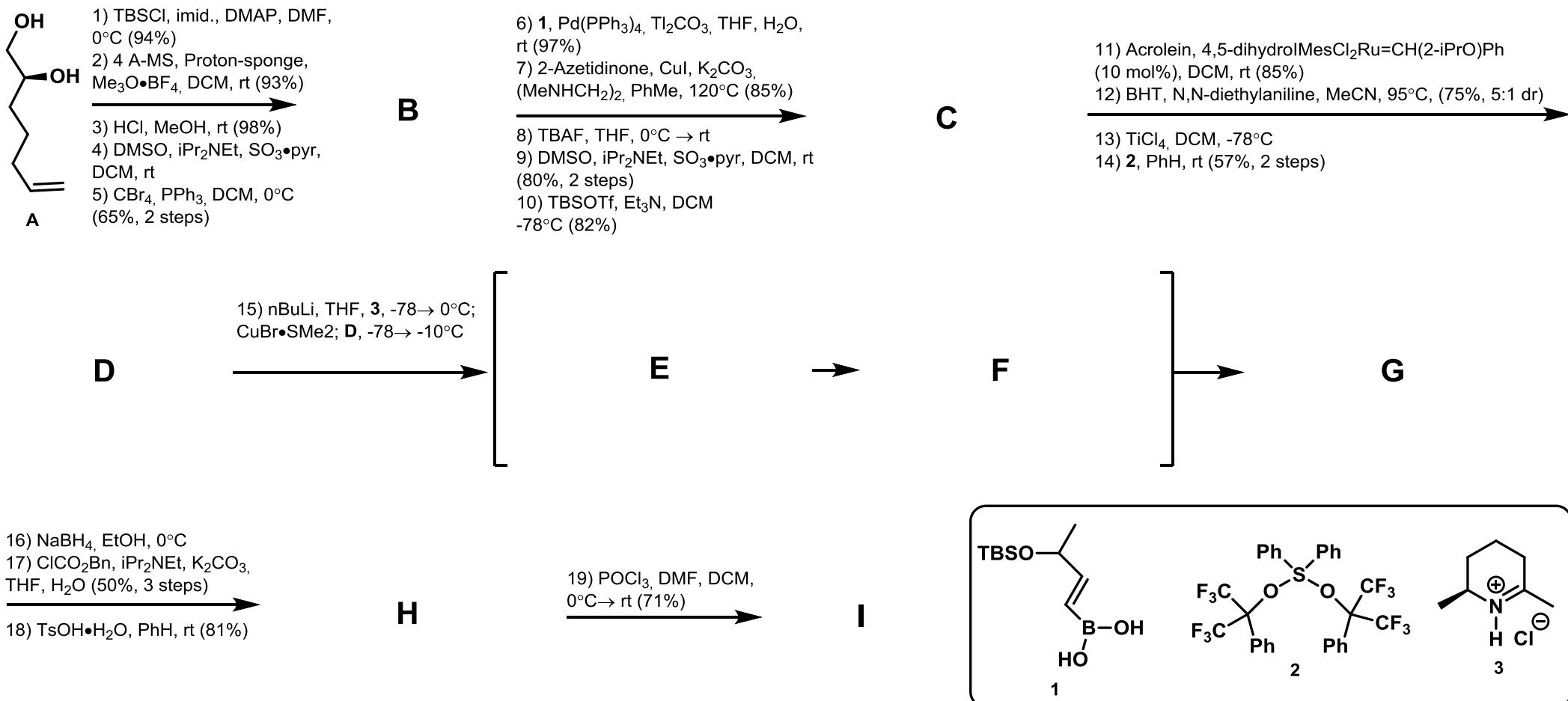


Total Synthesis of (-)-Himandrine

J. Am. Chem. Soc. **2009**, *131*, 9648-9650



I

20) DDQ, SiO₂, MeCN,
H₂O, rt

J

21) NaClO₂, NaH₂PO₄•H₂O, 2-methyl-2-butene,
tBuOH, H₂O, rt
22) CH₂N₂, THF, 0 °C (61%, 3 steps)

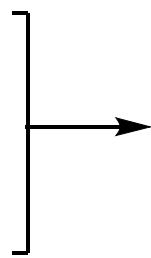
23) TMSI, 2,6-di-tBu-4-Me-Pyr, DCM, 0 °C (66%)
24) Et₃N•(HF)₃, THF, rt (90%)

K

→

25) NCS, MeCN, rt,
45 min, (89%)

L



M

26) NaBH₄, EtOH, 0 °C (90%)
27) BzCl, pyridine, 23 °C, 7 d (87%)

