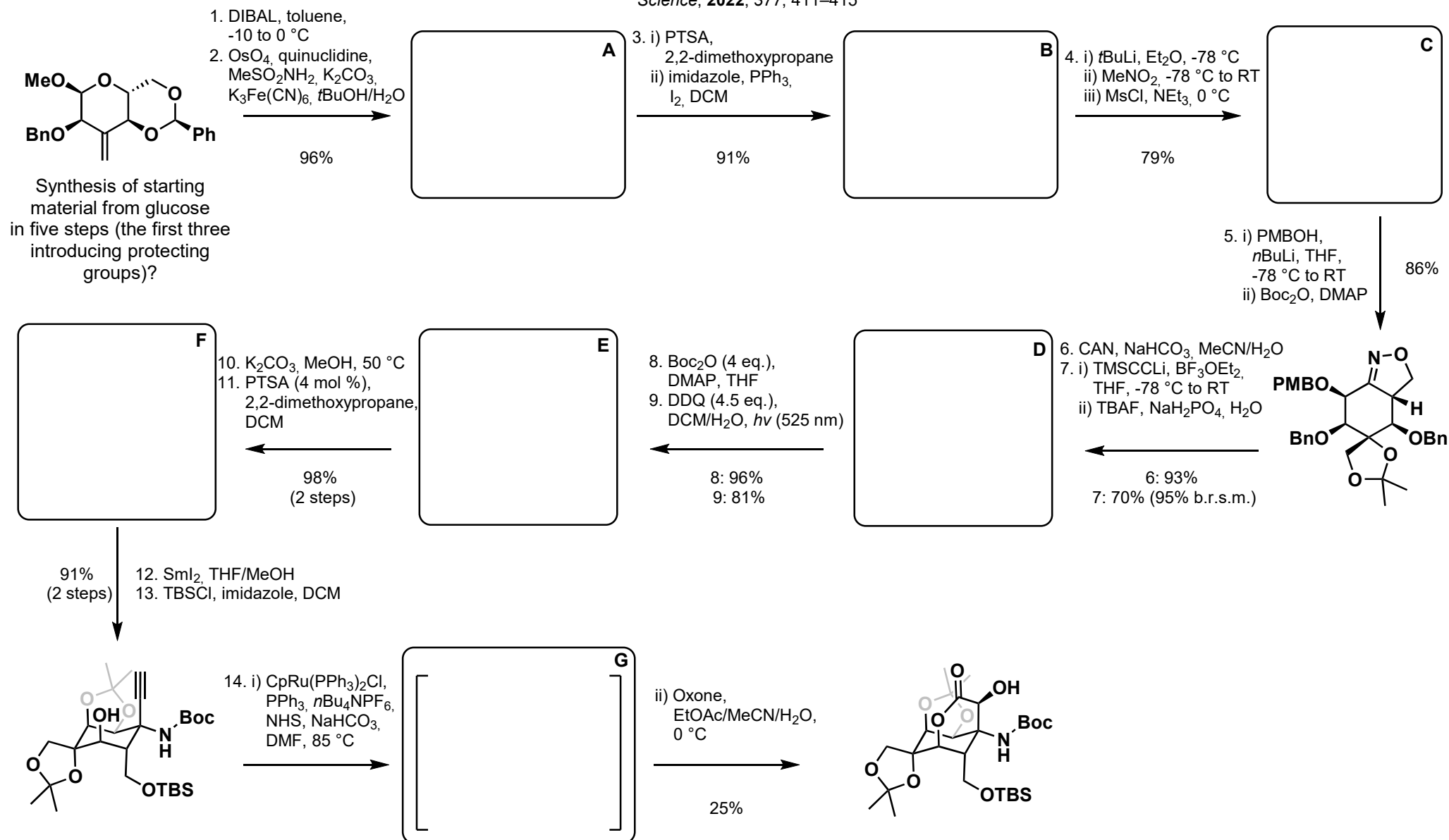
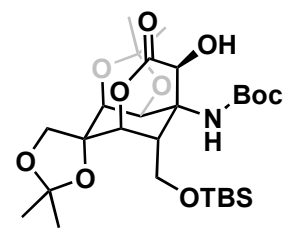


A concise synthesis of tetrodotoxin

Konrad, D.B., Rühmann, K., Ando, H., Hetzler, B.E., Strassner, N., Houk, K.N., Matsuura, B.S., Trauner, D.

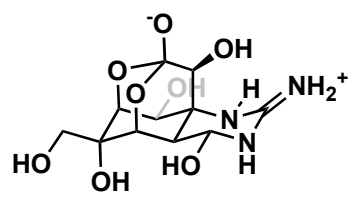
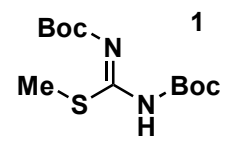
Science, **2022**, *377*, 411–415





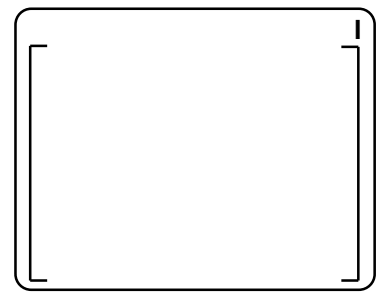
16: 76% (2 steps)
17: 92%

15. TMSOTf, 2,6-lutidine,
DCE, 85 °C
16. TBAF, THF
17. i) TMSCl, NEt₃, DMF
ii) **1** (1.1 eq.), HgCl₂



Tetrodotoxin

19. TFA/H₂O
93%
(2 steps)



18. CrO₃Py₂,
DCM

