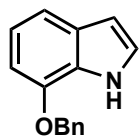


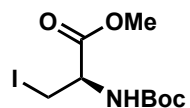
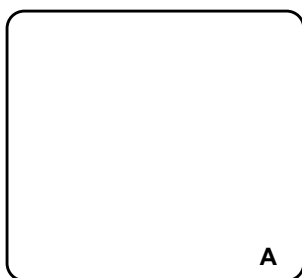
Total Synthesis of (+)-Discorhabdin V

Brandon C. Derstine, Alina J. Cook, James D. Collings, Joseph Gair, Josep Saurí, Eugene E. Kwan,* and Noah Z. Burns

Angew. Chem. Int. Ed. **2024**, 63, e202315284.



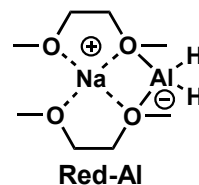
1 - 7



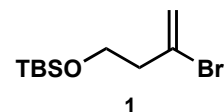
8 - 12



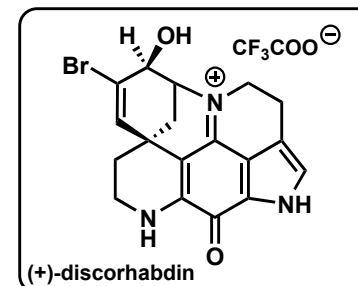
- 1) (COCl)₂, Red-Al
- 2) TBSCl, imidazole
- 3) H₂, Pd(OH)₂
- 4) IBX
- 5) TsCl, Et₃N, DMAP
- 6) TBAF, AcOH
- 7) MsCl, Et₃N



- 8) **1**, Zn, XPhos, Pd(OAc)₂
- 9) DIBAL
- 10) allylTMS, SnCl₄
- 11) TBAF, then Ac₂O
- 12) HG II

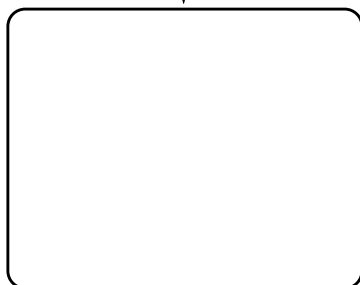


8) Name of the reaction:



B

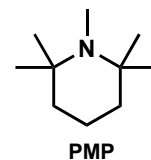
13-19



20-23



- 13) TFA
- 14) **A**, Na₂CO₃, then NBS
- 15) Pd(PPh₃)₄, PMP
- 16) LiOH·H₂O, then Boc₂O
- 17) NMI, CuBr, bipy, TEMPO
- 18) NH₄OAc, MeOH
- 19) NaBH₃CN



- 20) (COCl)₂, DMSO, Et₃N
- 21) py·HBr₃
- 22) CeCl₃·7H₂O, NaBH₄
- 23) TFA

14) Name of the reaction:

15) Name of the reaction:

17) Name of the reaction:

Structure of TEMPO and generated catalyst:

22) Name of the reaction:

