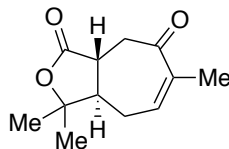


# E37: Total Synthesis of (+)-19-dehydroxyl arisandilactone A <sup>[1]</sup>

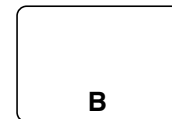
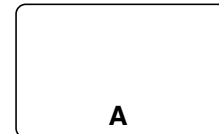


**(-) Carvone**

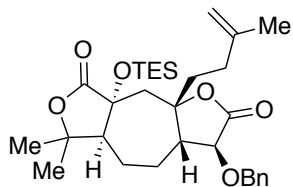
- 1) LiHMDS, ClCO<sub>2</sub>Me
- 2) Et<sub>2</sub>Zn, HCO<sub>2</sub>H, CH<sub>2</sub>I<sub>2</sub>
- 3) LiOH
- 4) AgOTf



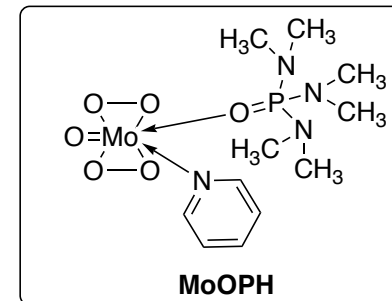
- 5) (CH<sub>2</sub>OTMS)<sub>2</sub>, TMSOTf
- 6) KHMDS, O<sub>2</sub>, P(OMe)<sub>3</sub>, then TESCl
- 7) SeO<sub>2</sub>, 4 Å MS, AcOH, AC<sub>2</sub>O
- 8) CBr<sub>4</sub>, PPh<sub>3</sub>, *i*-Pr<sub>2</sub>NEt, then Pd<sub>2</sub>(dba)<sub>3</sub> CO, PivOCs, EtOH
- 9) PPTS



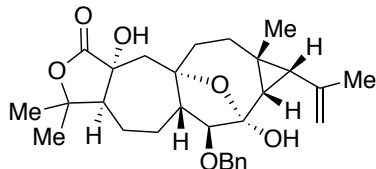
- 10)
- 11) **A**
- 12) LiHMDS, LiCl, MoOPH
- 13)



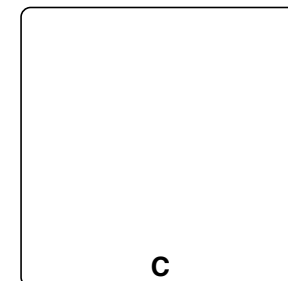
- 14) **B**
- 15) **C**
- 16)
- 17)
- 18) TsN<sub>3</sub>, TEA
- 19) Cu(tbs)<sub>2</sub>



- 20) MeNH<sub>2</sub>OMeCl, *i*-PrMgCl
- 21)
- 22) *Name?*
- 23)

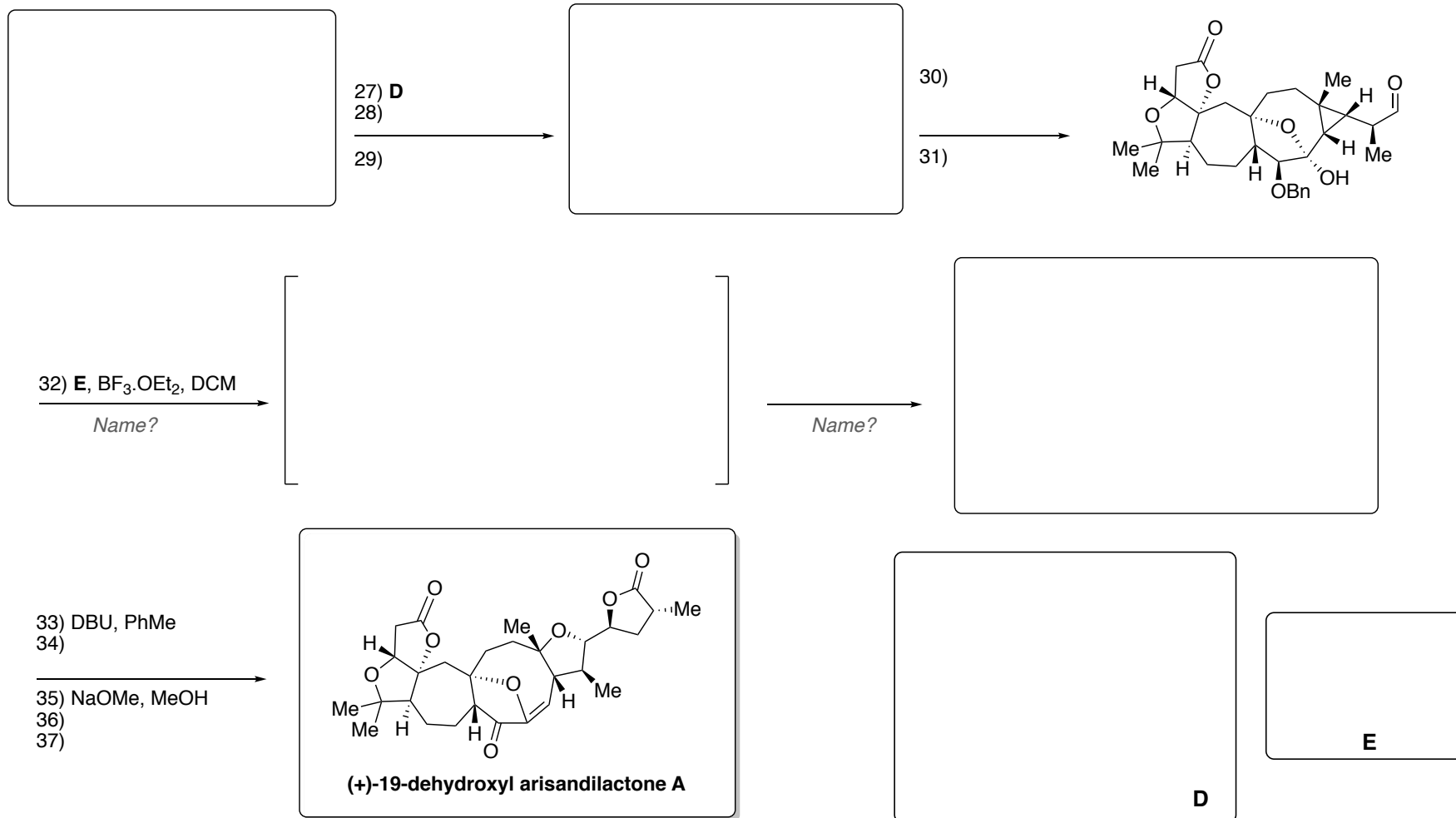


- 24) TMS-imid
- 25) Ac<sub>2</sub>O, NEt<sub>3</sub>
- 26) LiHMDS



<sup>[1]</sup> Y-X. Han, Y-L. Jiang, Y. Li, H-X. Yu, B-Q. Tong, Z. Niu, S-J. Zhou, S. Liu, Y. Lan, J-H. Chen, Z. Yang, *Nature Comm.* **2017**, 8, 14233.

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