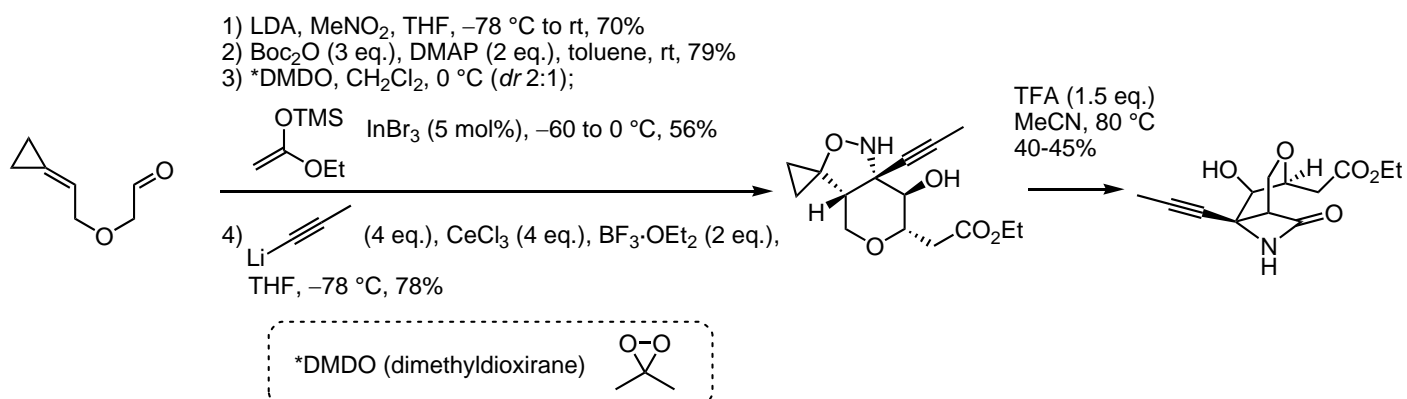
Kulkarni, S. S.; Hu, X.; Manetsch, R. *Chem. Commun.* **2013**, *49*, 1193

- 1) Boc<sub>2</sub>O, Et<sub>3</sub>N, DMAP, CH<sub>2</sub>Cl<sub>2</sub>, rt, 85%
- 2) Cp<sub>2</sub>TiMe<sub>2</sub>, pyridine, toluene, 70 °C, 77% (85% brsm)
- 3) 9-BBN, THF, rt; NaBO<sub>3</sub>, 92%
- 4) DIBAL-H, THF, -40 °C to rt, 81%

- 5) (COCl)<sub>2</sub>, DMSO, CH<sub>2</sub>Cl<sub>2</sub>; Et<sub>3</sub>N, -78 °C to rt, 70%
- 6) DL-proline (20 mol%), DMSO, rt, 82%
- 7) NaClO<sub>2</sub>, NaH<sub>2</sub>PO<sub>4</sub>, 2-methyl<sup>2</sup>-butene, <sup>t</sup>BuOH/H<sub>2</sub>O (4:1), rt; TMSCHN<sub>2</sub>, CH<sub>2</sub>Cl<sub>2</sub>/MeOH (9:1), rt, 91%
- 8) TFAA, DBU, THF, rt, 94%

