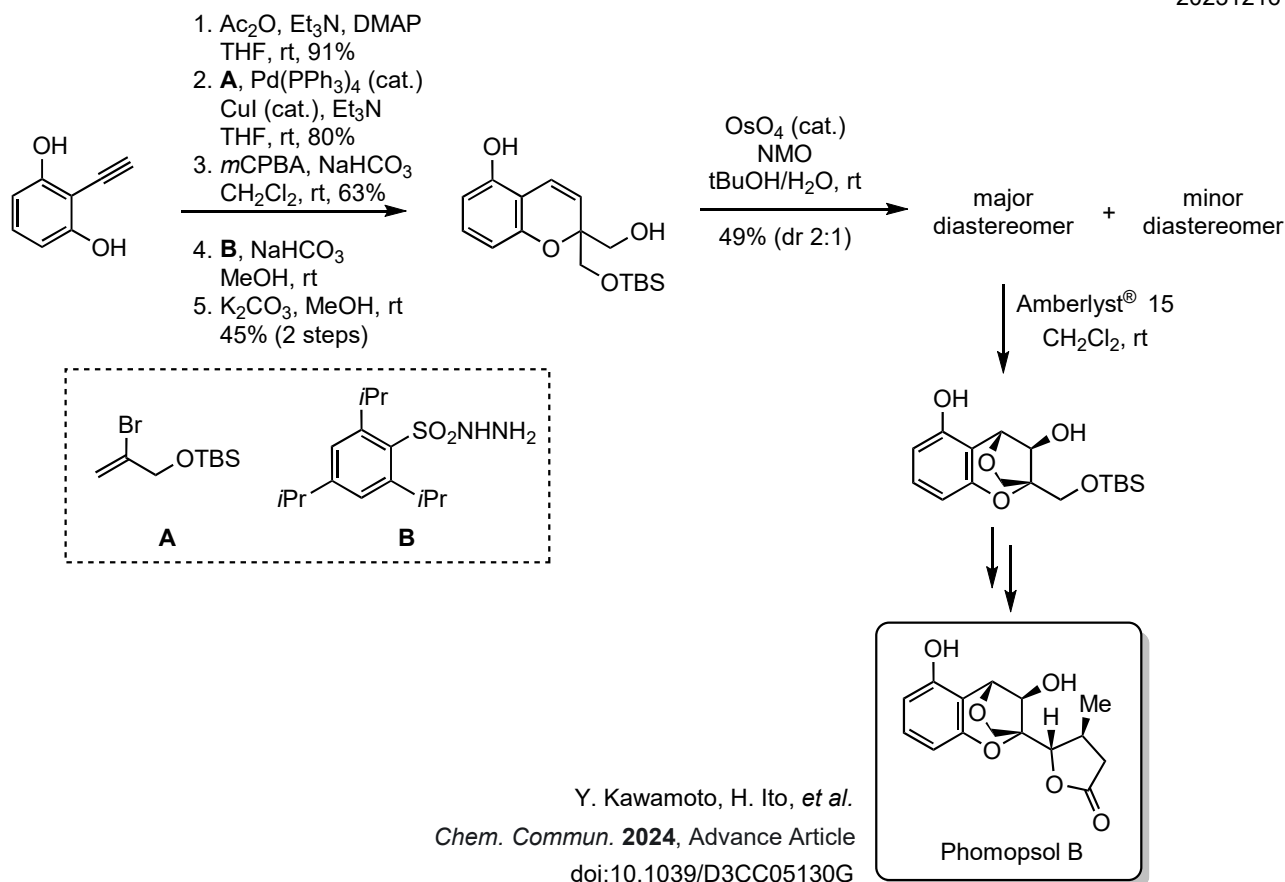
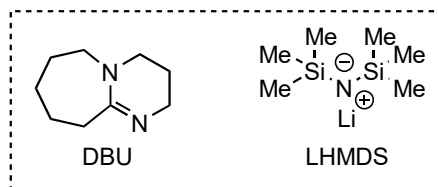
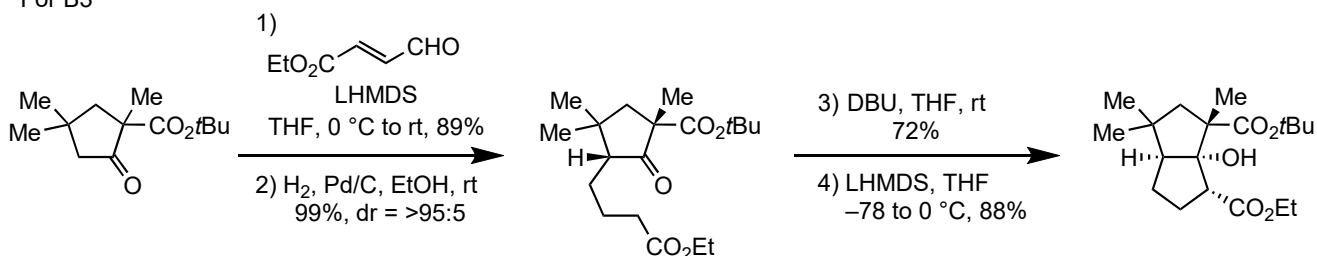


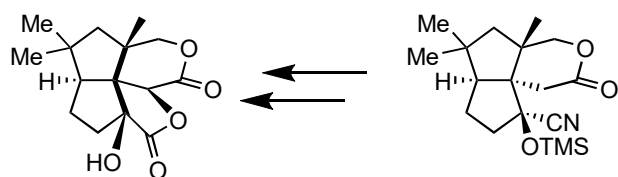


For B3



For B4

- 5) POCl₃, DMAP, pyridine, 90 °C, 78%
- 6) DIBALH (6.7 eq), CH₂Cl₂, 0 °C, 80%
- 7) CH₃C(OEt)₃, propionic acid, 140 °C
- 8) LiOH aq., THF, 60 °C
then 0.5 M H₂SO₄ aq. rt, 37% (2 steps)
- 9) O₃ then PPh₃, CH₂Cl₂/MeOH, -30 °C, 61%
- 10) KCN, TMSCN, 18-crown-6, rt, 50%



asperaculin A