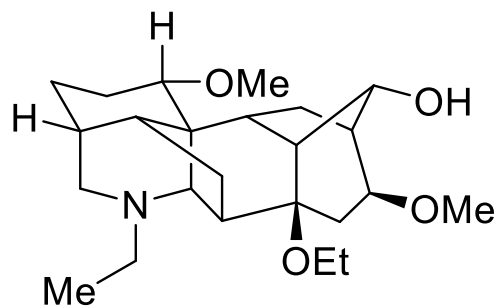
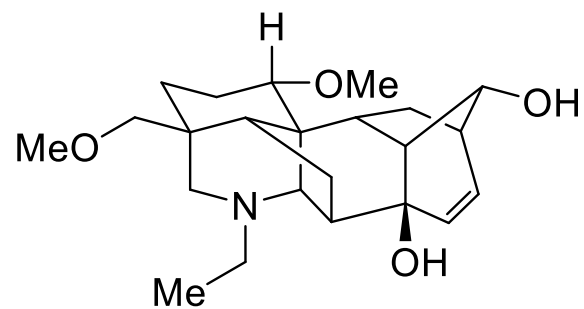


Total Synthesis of Weisaconitine D and liljestrandinine

Sarpong, *Nature*, **2015**, 528, 493

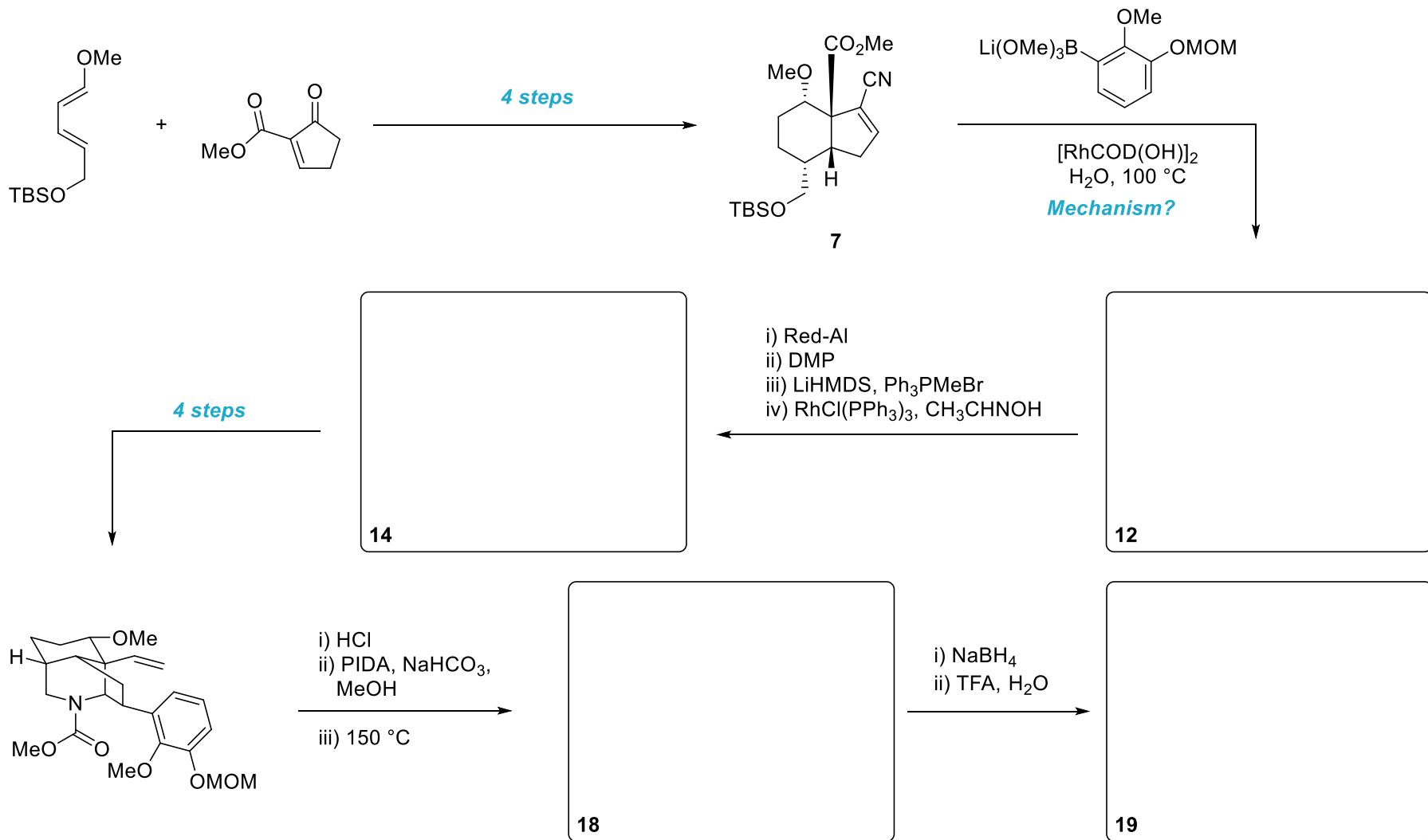


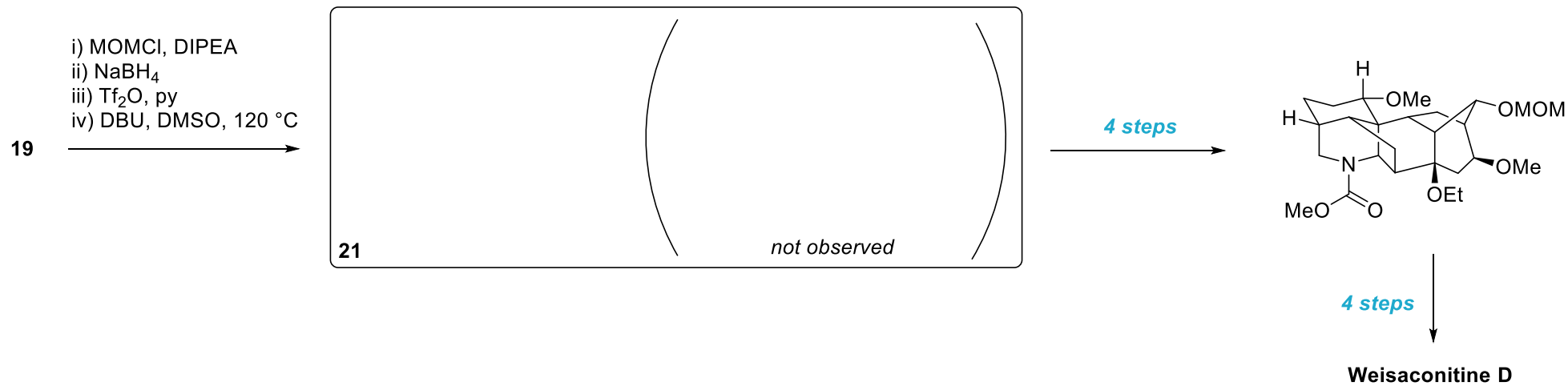
Weisaconitine D



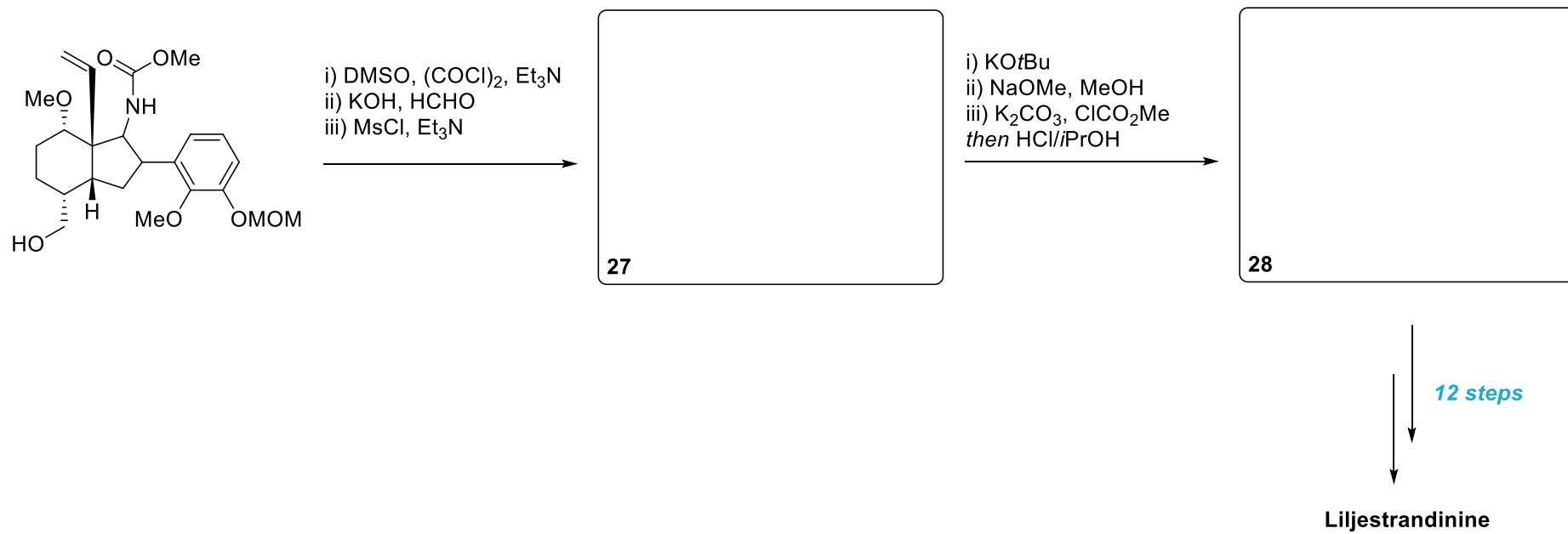
Liljestrandinine

Weisaconitine D:



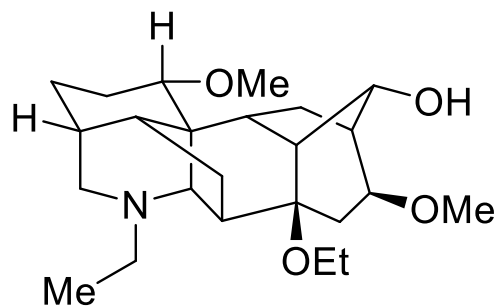


Liljestrandinine:

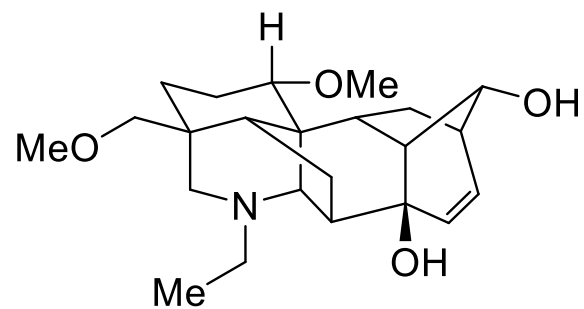


Total Synthesis of Weisaconitine D and liljestrandinine

Sarpong, *Nature*, **2015**, 528, 493

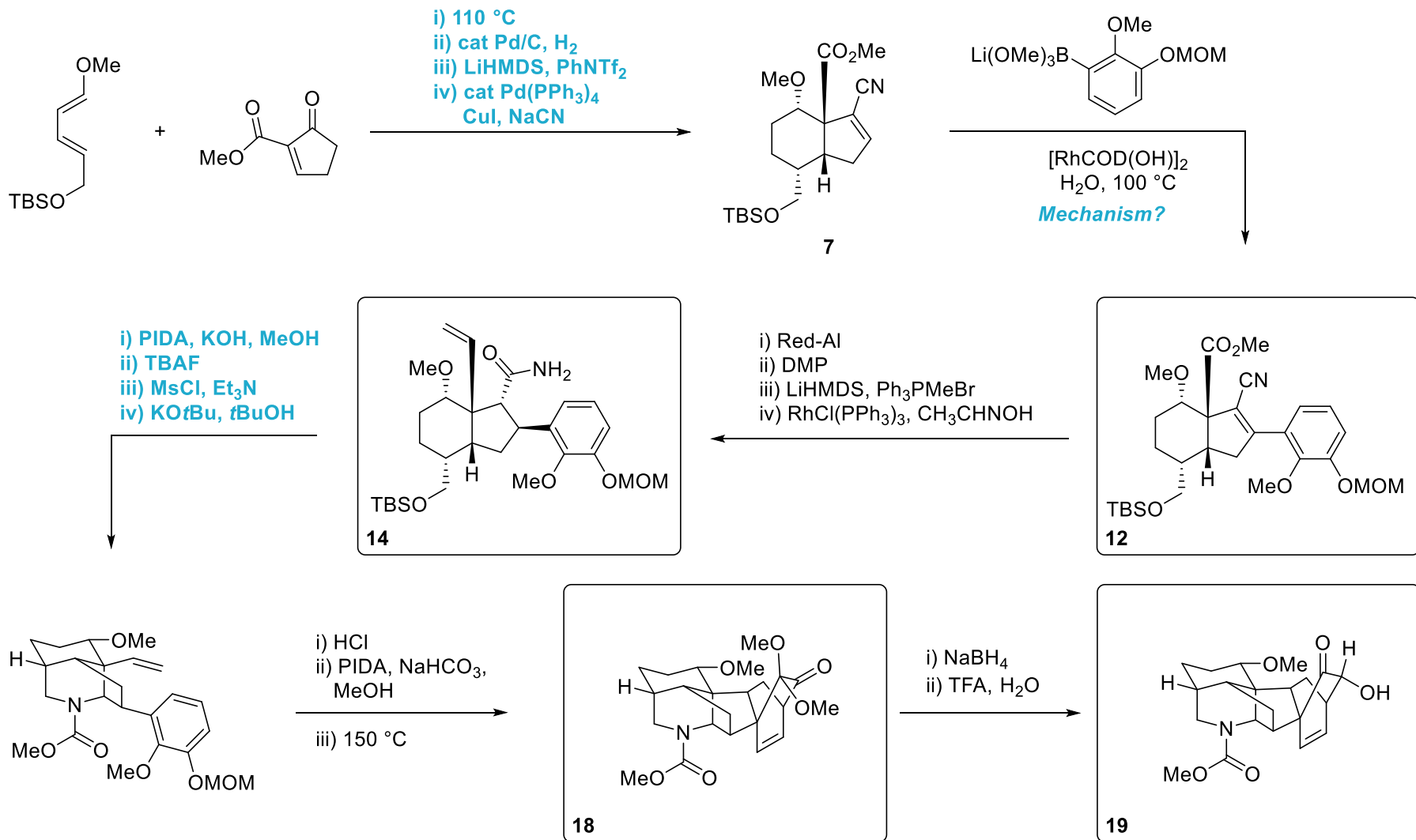


Weisaconitine D

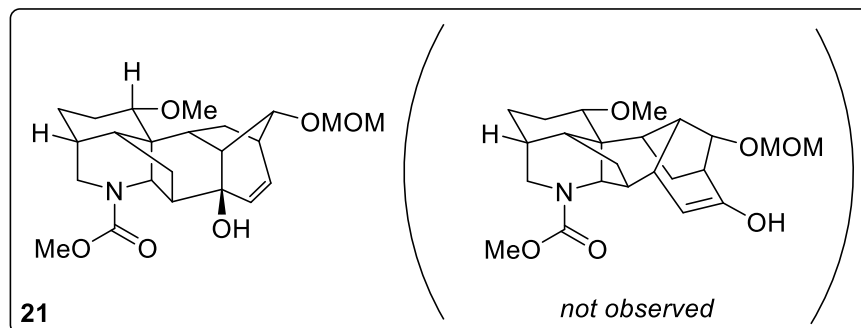


Liljestrandinine

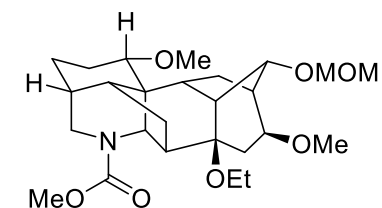
Weisaconitine D:



19
 i) MOMCl, DIPEA
 ii) NaBH₄
 iii) Tf₂O, py
 iv) DBU, DMSO, 120 °C



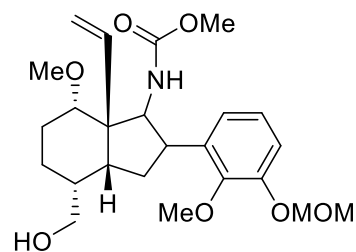
i) mCPBA
 ii) NaH, EtI
 iii) Cp₂TiCl₂, Mn
 iv) NaH, Me₂SO₄



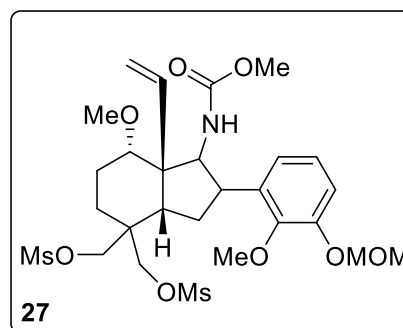
i) KOH
 ii) Ac₂O
 iii) LiAlH₄
 iv) HCl

Weisaconitine D

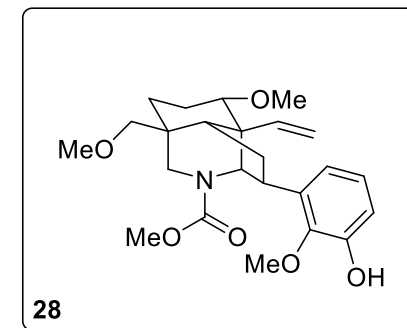
Liljestrandinine:



i) DMSO, (COCl)₂, Et₃N
 ii) KOH, HCHO
 iii) MsCl, Et₃N



i) KO^tBu
 ii) NaOMe, MeOH
 iii) K₂CO₃, ClCO₂Me
 then HCl/iPrOH



12 steps

Liljestrandinine