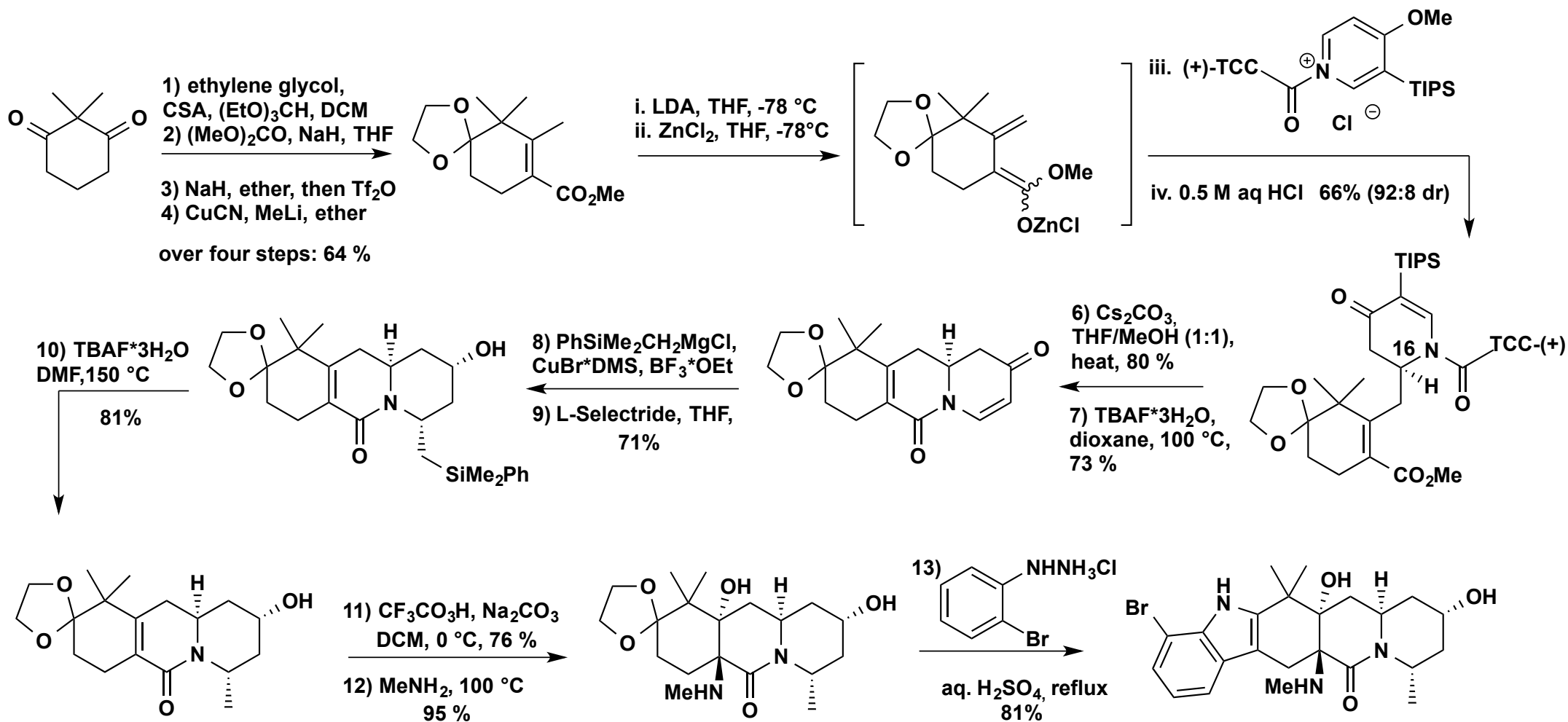


(-) Citrinadin A

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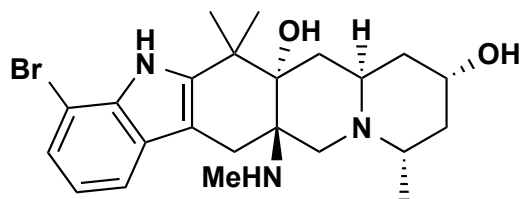


(-) Citrinadin A

JACS 2013, 135, 10886-10889

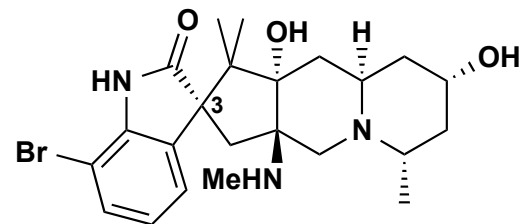
- i. AlEt_3 , THF, -78°C
ii. $\text{AlH}_3^+\text{EtNMe}_2$, PhMe
iii. MeOH, AcOH,
 NaCNBH_3

97 %

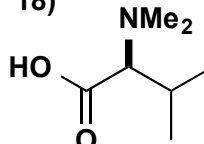


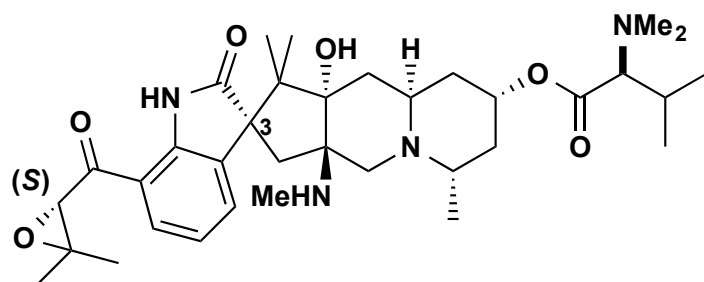
- 15) PPTS, DCM
then Davis' oxaziridine

- 16) AcOH, DCM

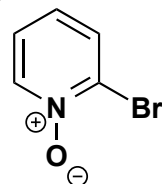


- 17) 3-Methylbut-1-yne,
 $\text{Pd}(\text{PPh}_3)_2\text{Cl}_2$, CuI
DMF, *i*-Pr₂NH, 80°C , 86%

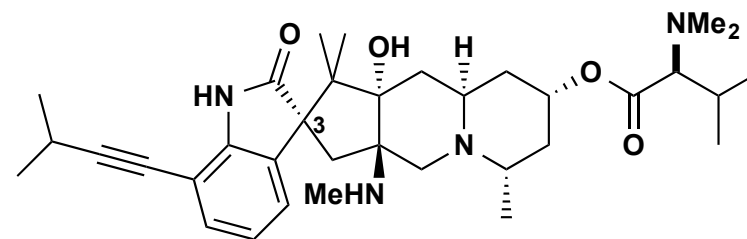
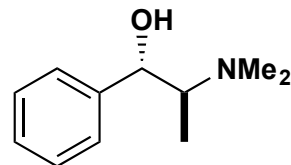
- 18)

EDCI, DMAP, DCM,
97 %



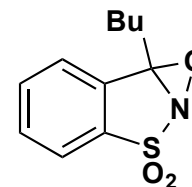
- 19) $\text{Au}(\text{PPh}_3)\text{NTf}_2$,
THF, 75 %



- 20) Et_2Zn , O_2 , PhMe
81 % (5:1 dr)



Davis' oxaziridine



(+)-TCC

