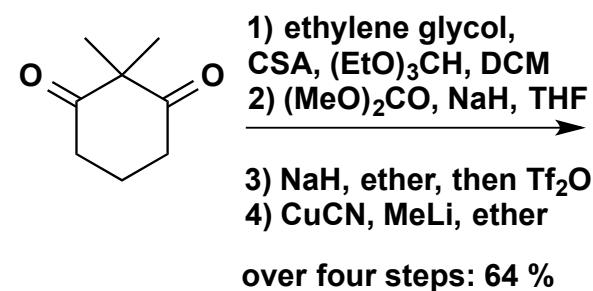


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10)  $\text{TBAF} \cdot 3\text{H}_2\text{O}$   
DMF, 150 °C

81%

8)  $\text{PhSiMe}_2\text{CH}_2\text{MgCl}$ ,  
 $\text{CuBr} \cdot \text{DMS}$ ,  $\text{BF}_3 \cdot \text{OEt}$

9) L-Selectride, THF,  
71%

6)  $\text{Cs}_2\text{CO}_3$ ,  
THF/MeOH (1:1),  
heat, 80 %

7)  $\text{TBAF} \cdot 3\text{H}_2\text{O}$ ,  
dioxane, 100 °C,  
73 %

11)  $\text{CF}_3\text{CO}_3\text{H}$ ,  $\text{Na}_2\text{CO}_3$   
DCM, 0 °C, 76 %

12)  $\text{MeNH}_2$ , 100 °C  
95 %

13)   
aq.  $\text{H}_2\text{SO}_4$ , reflux  
81%

i. LDA, THF, -78 °C  
ii.  $\text{ZnCl}_2$ , THF, -78°C

iii. (+)-TCC   
iv. 0.5 M aq HCl 66% (92:8 dr)

i.  $\text{AlEt}_3$ , THF,  $-78^\circ\text{C}$   
ii.  $\text{AlH}_3^*\text{EtNMe}_2$ , PhMe  
iii. MeOH, AcOH,  
 $\text{NaCNBH}_3$

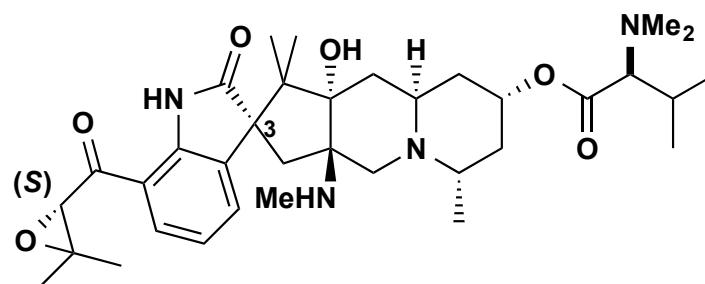
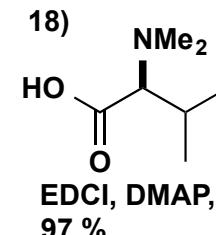
97 %

15) PPTS, DCM  
then Davis'  
oxaziridine

16) AcOH, DCM

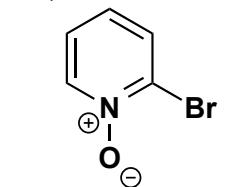
NAME?

17) 3-Methylbut-1-yne,  
 $\text{Pd}(\text{PPh}_3)_2\text{Cl}_2$ ,  $\text{CuI}$   
DMF,  $i\text{-Pr}_2\text{NH}$ ,  $80^\circ\text{C}$ , 86%

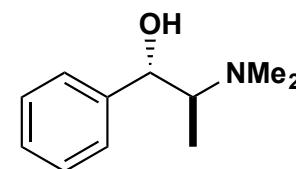


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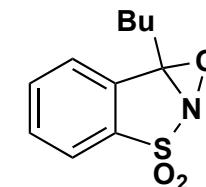
19)  $\text{Au}(\text{PPh}_3)\text{NTf}_2$ ,  
THF, 75 %



20)  $\text{Et}_2\text{Zn}$ ,  $\text{O}_2$ , PhMe  
81 % (5:1 dr)



Davis' oxaziridine



(+)-TCC

