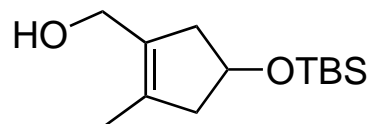


a. TBSCl, imid.

b. \_\_\_\_\_

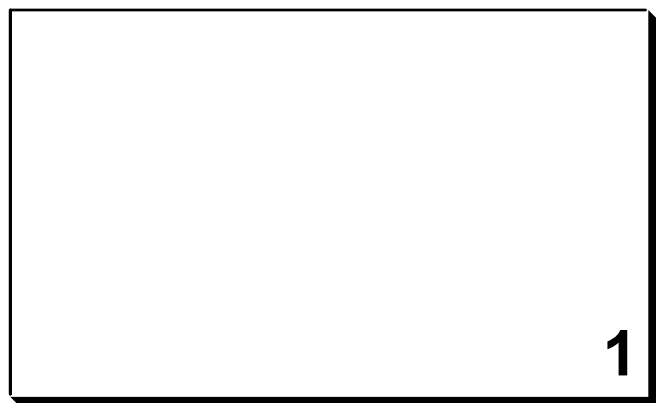
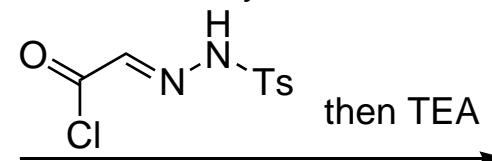
c. \_\_\_\_\_



d.  $\text{Ac}_2\text{O}$ , DMAP, TEA

e. TBAF

f. *N,N*-dimethylaniline

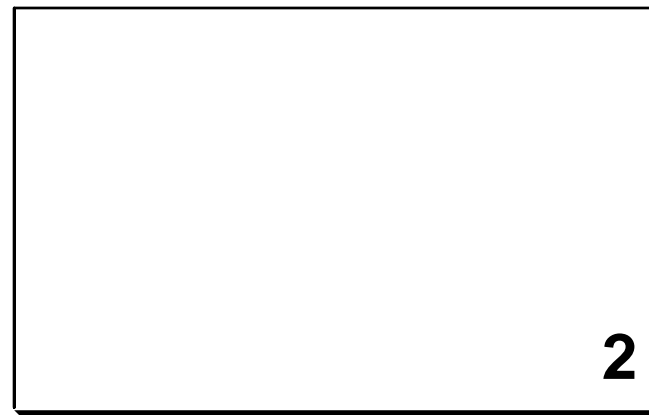


g. bis(*N*-*tert*-butylsalicyl<sup>-</sup>aldiminato) copper(II),  $\Delta$

h.  $\text{K}_2\text{CO}_3$ , MeOH

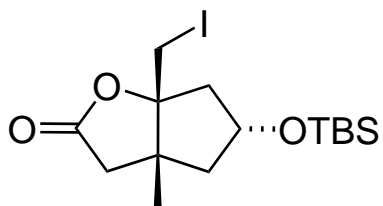
i. KHMDS;  $\text{CS}_2$ ; MeI

j. *n*- $\text{Bu}_3\text{SnH}$ , AIBN,  $\Delta$



k. KOH, MeOH;  
HCl;  $\text{NaHCO}_3$ , KI,  $\text{I}_2$

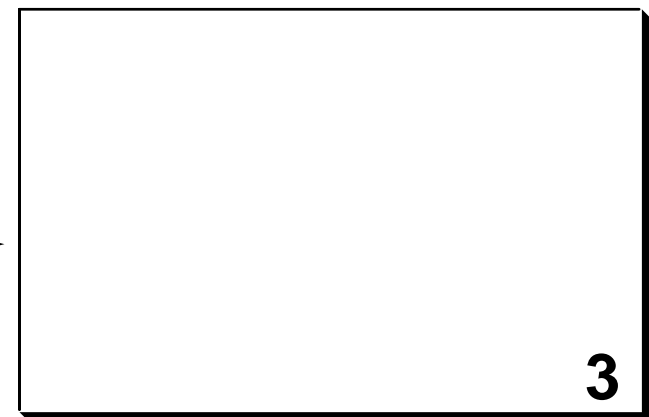
l. TBSOTf, 2,6-lutidine



m. AIBN,  $\text{Bu}_3\text{SnH}$ ;

$\text{NaBH}_4$ , dry air

n. PMB trichloroacetamide, CSA



o. LDA; CH<sub>2</sub>O



+

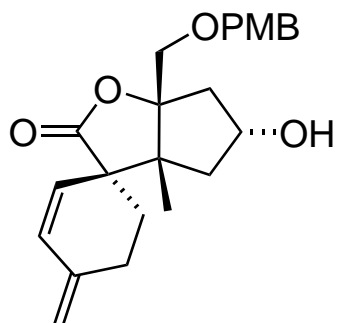


p. MsCl then DBU

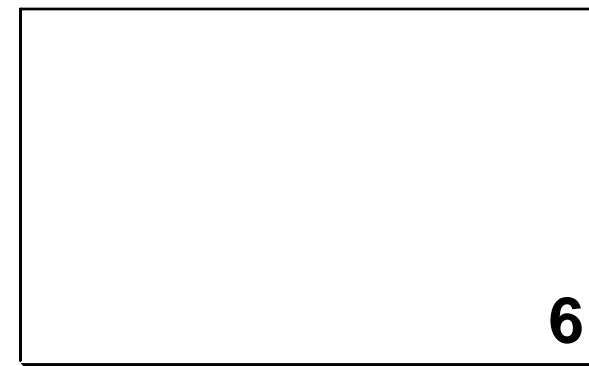
q. MeO-CH=CH-C(=O)OTMS

PhMe, 180°C  
methylene blue; H<sup>+</sup>

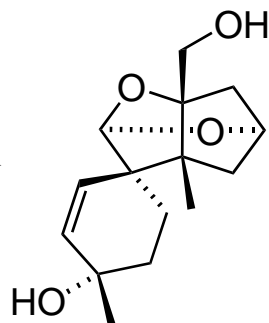
r. Ph<sub>3</sub>P<sup>+</sup>CH<sub>3</sub>I<sup>-</sup>, KHMDS  
s. TBAF



t. DIBAL-H  
u. CSA, 4A MS  
v. OsO<sub>4</sub>, pyr.  
w. NaIO<sub>4</sub>, H<sub>2</sub>O

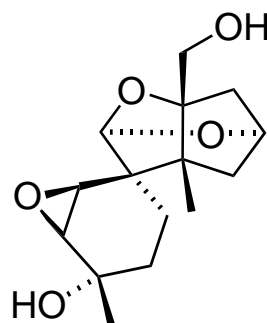


x. MeLi, CeCl<sub>3</sub>  
y. DDQ pH 7



racemic  
Spirotenuipesine A

z. oxone,  
acetone,  
pH 9.2



racemic  
Spirotenuipesine B

**Freddie**

Total Synthesis of Spirotenuipesines A and B  
Mingji Dai and Samuel J. Danishefsky  
*J.A.C.S.*, **2007**, ASAP.