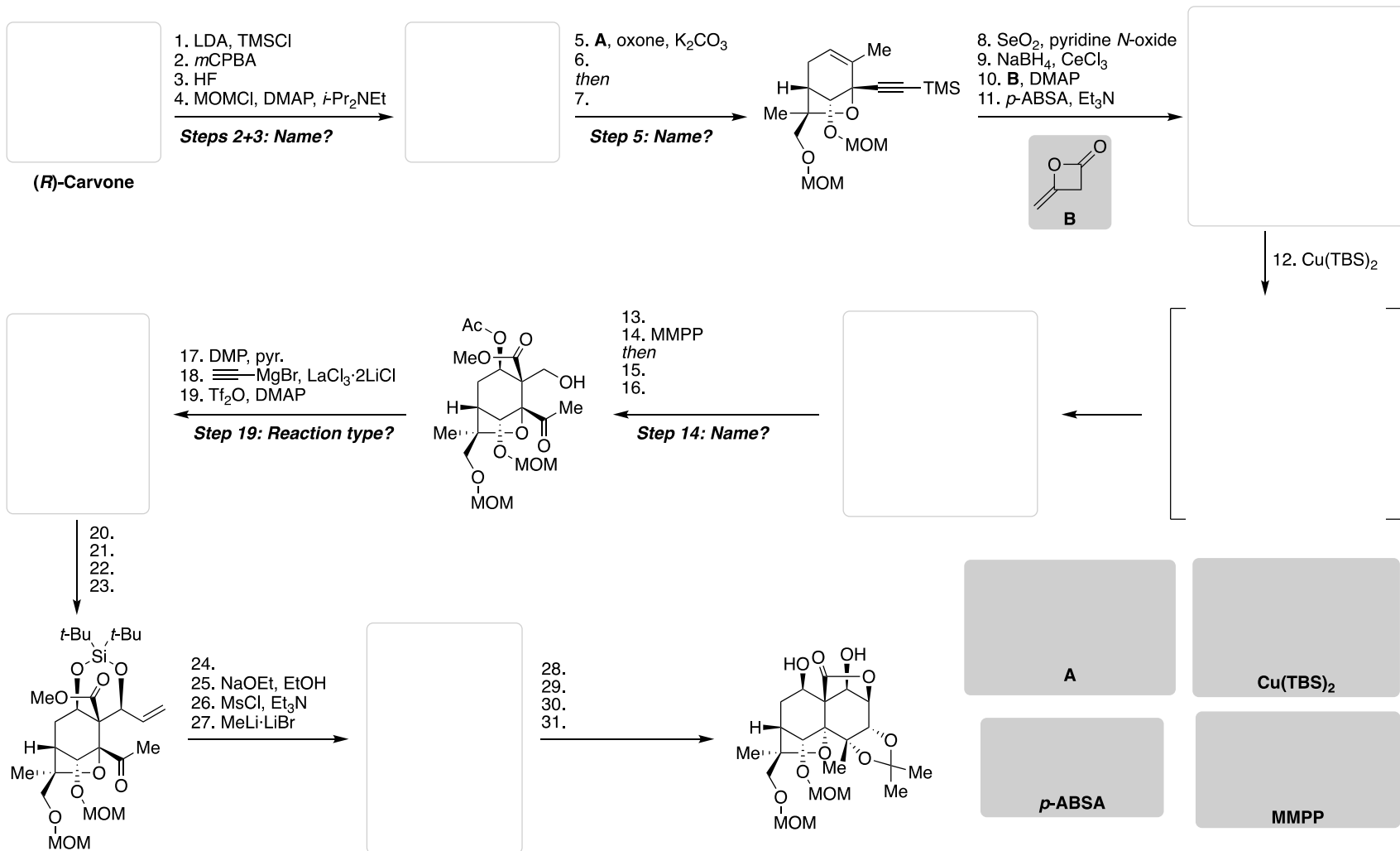
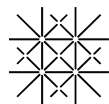


# E146: Synthesis of Euonyminol<sup>[1]</sup> and (+)-Batzelladine B<sup>[2]</sup>



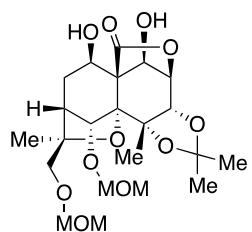
[1] M. Tomanik, Z. Xu, S. B. Herzon, *J. Am. Chem. Soc.* **2021**, *143*, 699–704.

[2] B. T. Parr, C. Economou, S. B. Herzon, *Nature* **2015**, *525*, 507–510.

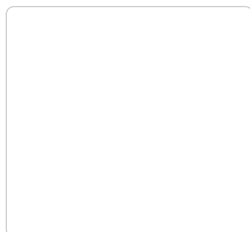


University  
of Basel

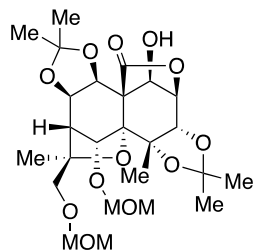
Sparr Group Seminar  
03.03.2021  
Tanno Schmidt



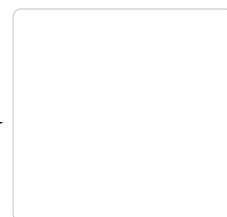
32. DMP, pyr.  
33. TBSOTf, Et<sub>3</sub>N  
34. Pb(OAc)<sub>4</sub>  
35. K<sub>2</sub>CO<sub>3</sub>, MeOH



36.  
37.  
38.  
39.

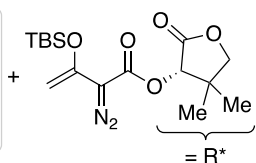
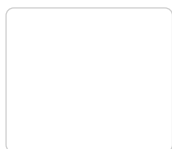


40. LiAlH<sub>4</sub>  
41. AcOH, THF/H<sub>2</sub>O  
(purification not possible)  
42. Ac<sub>2</sub>O  
43. MeONa, MeOH

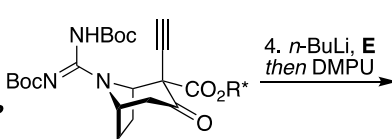


**Euonyminol**

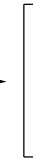
**Part 1**



1. **C**  
2.  
3. **D**, TBAF  
**Step 1: Name?**

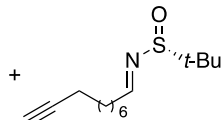
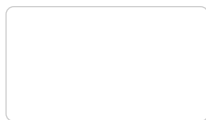


4. *n*-BuLi, **E**  
then DMPU

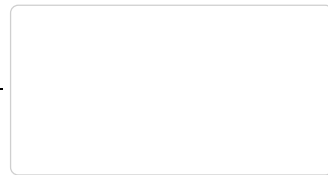


**Name?**

**Part 2**

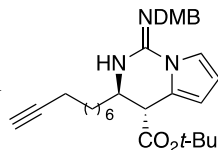


5. H<sub>2</sub>, Pd/C  
6. LiOH

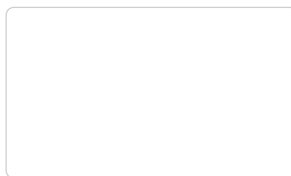


7. LDA, Ti(O-*i*-Pr)<sub>3</sub>Cl **Step 7: Name?**

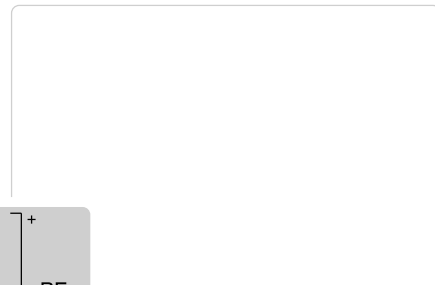
8.  
9.  
10.  
11. DMBNH<sub>3</sub>Cl



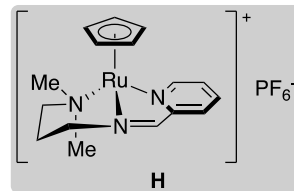
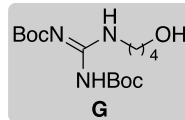
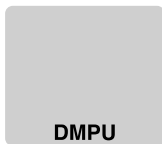
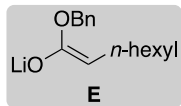
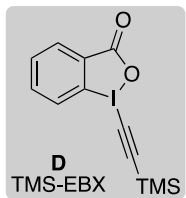
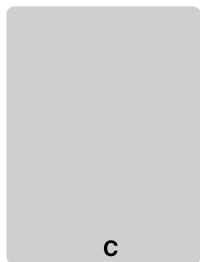
12. TMSOTf, 2,6-lutidine  
then **G**, EDC·HCl  
13. **H**, HCO<sub>2</sub>H, *p*TsOH  
DMB = 3,4-dimethoxybenzyl



14. **F**, EDC·HCl  
15. TFA, Pd/C  
then H<sub>2</sub>



**(+)-Batzelladine B**



[1] M. Tomanik, Z. Xu, S. B. Herzon, *J. Am. Chem. Soc.* **2021**, *143*, 699–704.

[2] B. T. Parr, C. Economou, S. B. Herzon, *Nature* **2015**, *525*, 507–510.

