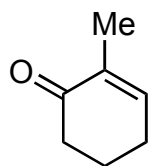


Enantioselective Total Synthesis and Structural Revision of Dysiherbol A

Baars, J.; Grimm, I.; Blunk, D.; Neudörfl, J.-M.; Schmalz, H.-G

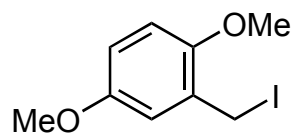
Angew. Chem. Int. Ed. **2021**, *60*, 1–7.



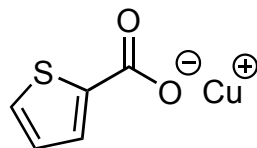
1-3



4-8

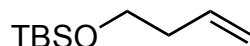


1

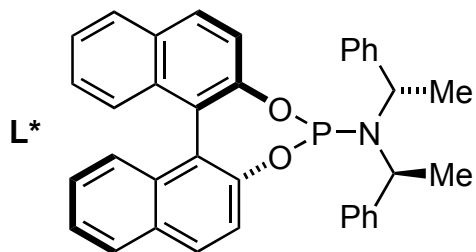


CuTC

- 1) AlMe_3 , CuTC/ L^* , then MeLi, **1**, TPPA
- 2) LDA, PhNTf₂
- 3) 9-BBN, **2**, then Pd(dppf)Cl₂, Cs₂CO₃



2

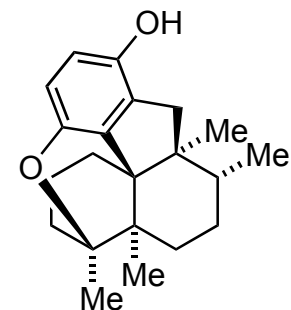


- 4) Bi(OTf)₃, MeCN/H₂O
- 5) DMP
- 6) AuCl₃ (5 mol%)
- 7) BH₃·THF, then H₂O₂, NaOH
- 8) DMP

1) *hint: TPPA is a HMPA substitute*

3) Please name the reaction

6) Please provide a mechanism
hint: OH is eliminated in the reaction



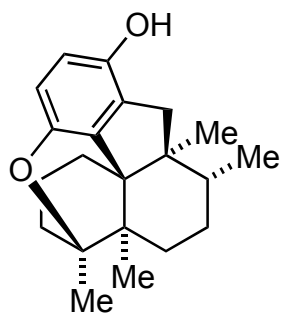
(-)-dysiherbol A



9-12

- 9) MeLi, CeCl₃
- 10) *p*-TsOH, Δ
- 11) ZnEt₂, CH₂I₂
- 12) BBr₃/H₂O

11) Please name the reaction



(-)-dysiherbol A