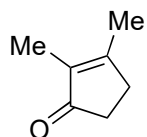
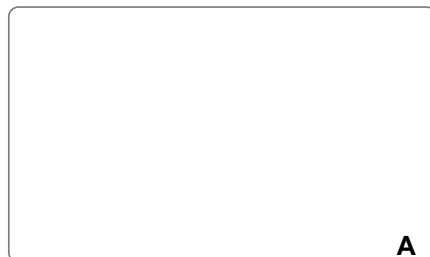


A Concise Total Synthesis of Glycinoeclepin A

K. Shen, Q. Wang, T. Zhu, Y. Qiao, P. Hu, *J. Am. Chem. Soc.* **2025**, *147*, 23411–23416.



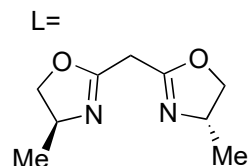
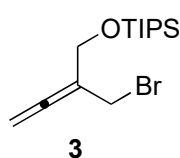
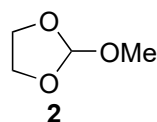
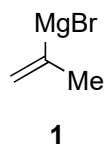
1 - 7



9-13



- 1) CuBr•DMS, BF₃•OEt₂, **1**
- 2) TMSI, HMDS
- 3) Et₂AlCl, **2**
- 4) KHMDS, PhNTf₂
then *p*-TSA, *t*-BuCHO
- 5) CrCl₂, L, **3** then Ac₂O
- 6) Pd(OPiv)₂, *n*-Bu₄NOpiv, K₂CO₃
then NaOMe, MeOH
- 7) Ac₂O then HF
- 8) CIP(O)(OPh)₂

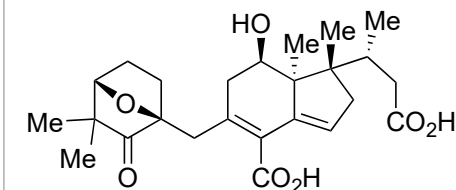


- 9) NHPI, DCC
- 10) B₂(cat)₂, blue LED then H₂O₂
- 11) TPAP, NMO
- 12) KO^t-Bu, MeI (excess)
- 13) Me₂NNH₂•HCl, Et₃N, AcOH (cat.)

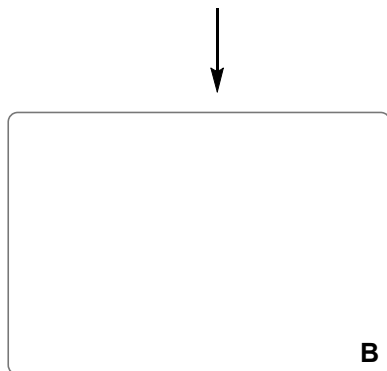
3) Name of the reaction?

6) *Hint*: cyclization occurred

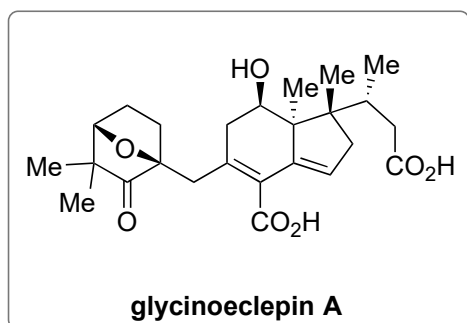
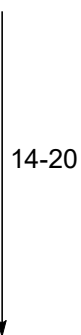
11) Name of the reaction?



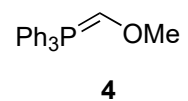
glycinoeclepin A



A + B



- 14) *n*-BuLi, CuBr•DMS
then AcOH, H₂O
- 15) 9-BBN, Na₂BO₃•4H₂O
- 16) DMP
- 17) **4**, K₂CO₃
- 18) PCC
- 19) NaClO₂, 2-methyl-2-butene,
NaH₂PO₄
- 20) LiOH, H₂O



14) *Hint*: Find FG that could direct *n*-BuLi

19) Name of the reaction?