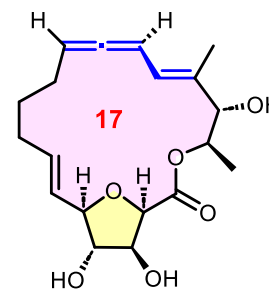


Backgrounds

- The first known macrolide natural product having endocyclic allene moiety
- Isolated from the myxobacterium *Archangium violaceum* SDU8 in Shangdong province, China
- Antiviral potency against herpes simplex virus (HSV-1) replication
- Structural feature
17-membered macrolide, endocyclic vinylallene, tetra-substituted THF ring

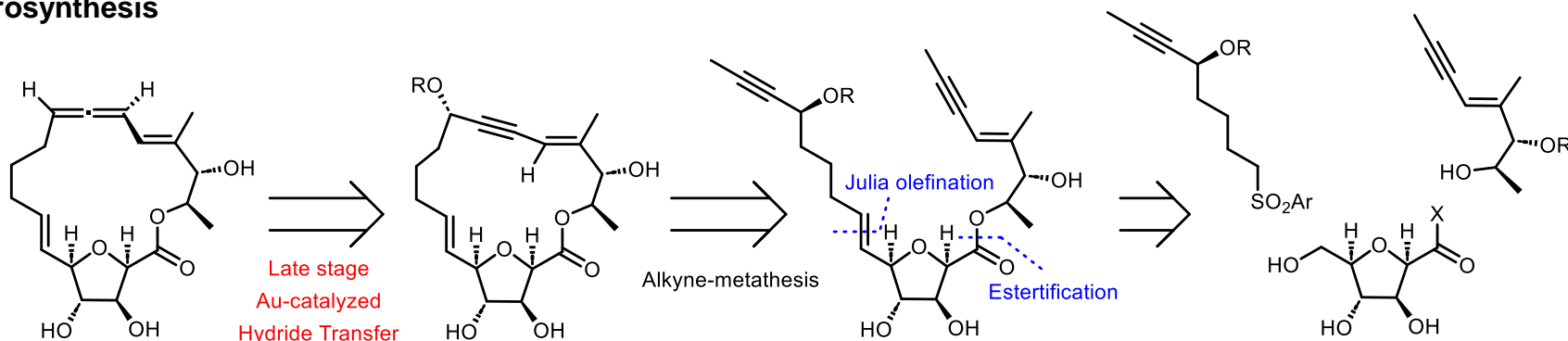


Archangium violaceum SDU8

Org. Lett. 2021, 23, 2114. <https://pubs.acs.org/doi/abs/10.1021/acs.orglett.1c00265>

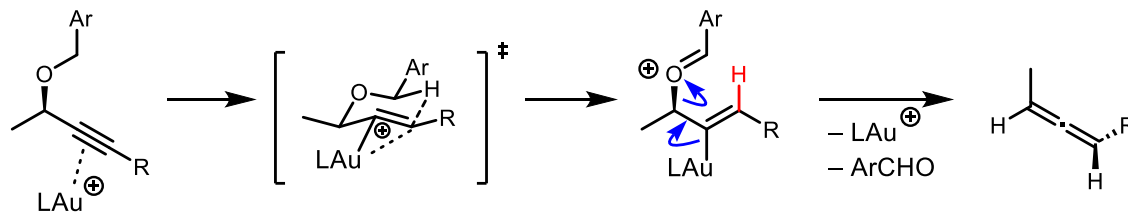
Int. J. Mol. Sci. 2025, 26, 1537. <https://doi.org/10.3390/ijms26041537>

Retrosynthesis



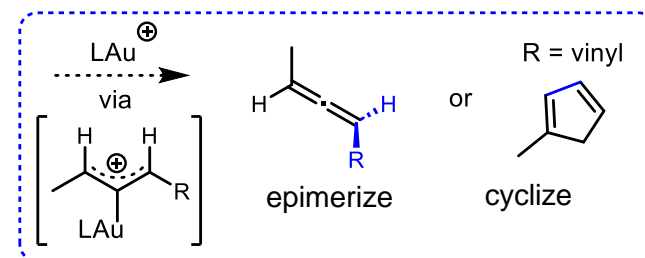
J. Am. Chem. Soc. 2024, 146, 2345. <https://pubs.acs.org/doi/10.1021/jacs.3c13304>

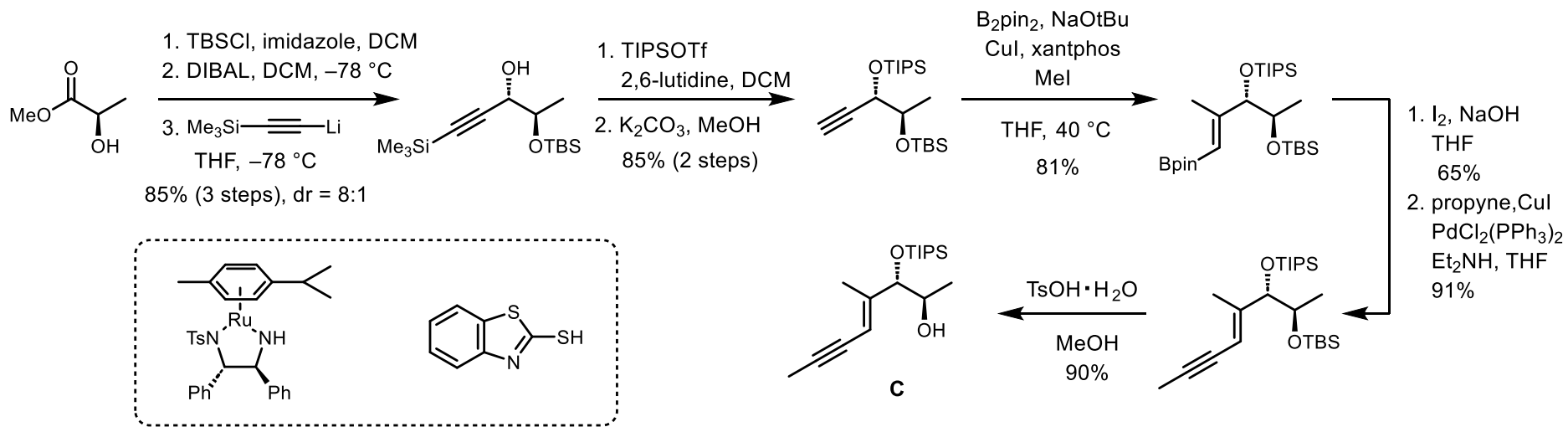
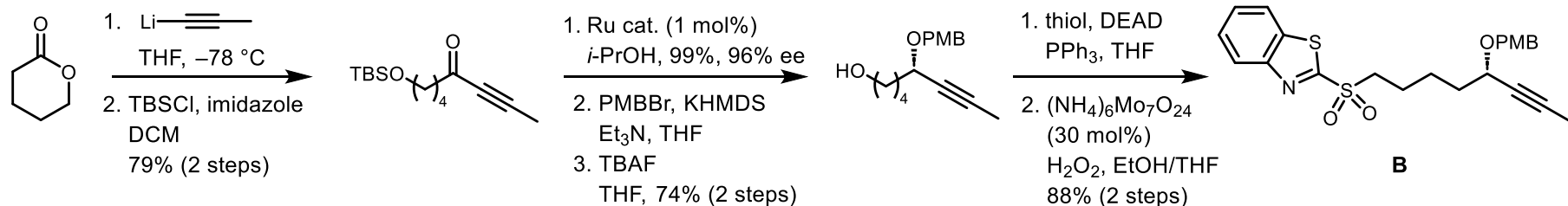
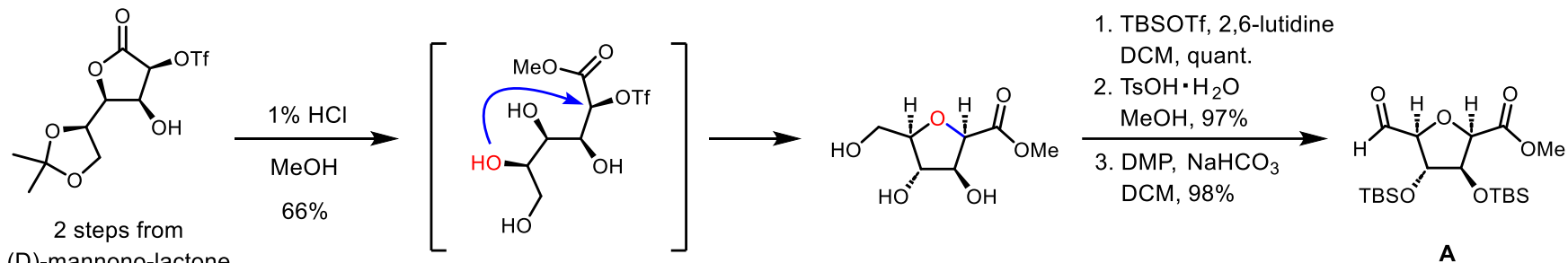
Gold-catalyzed Hydride Transfer

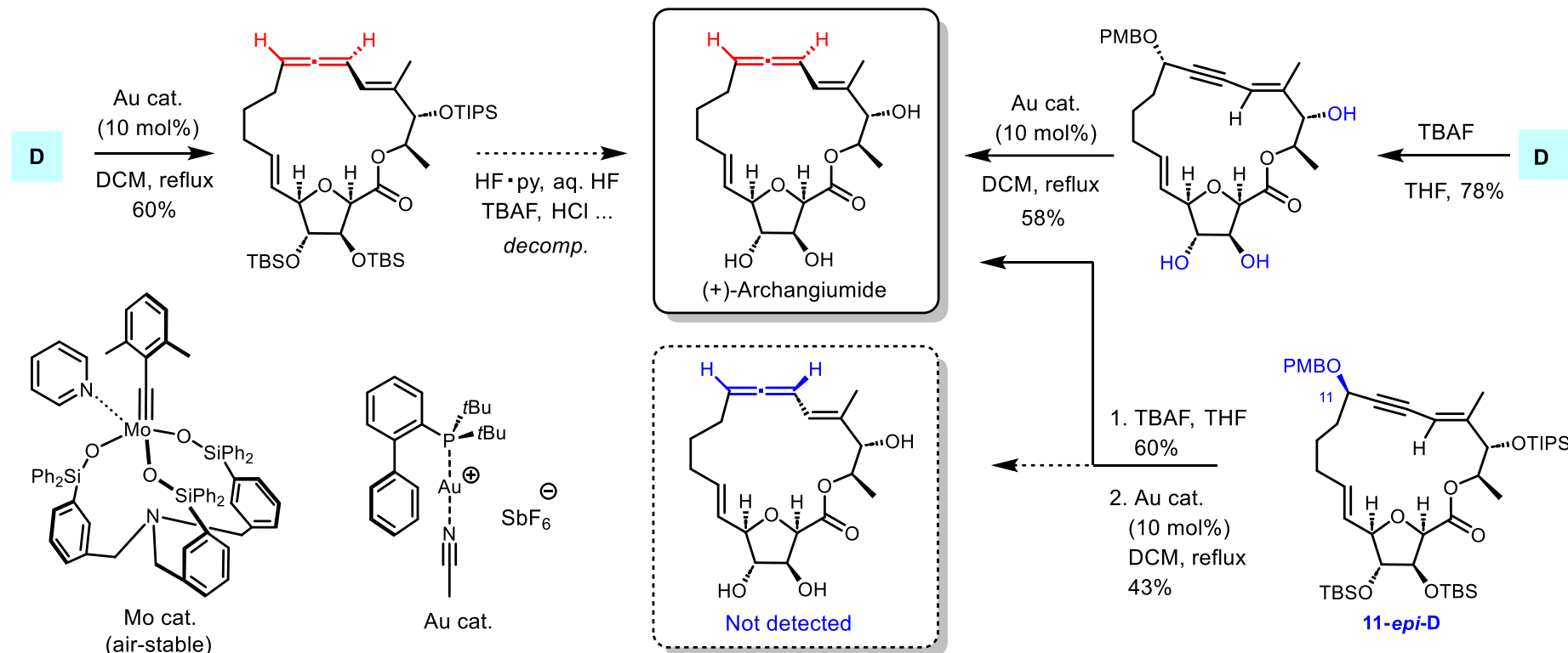
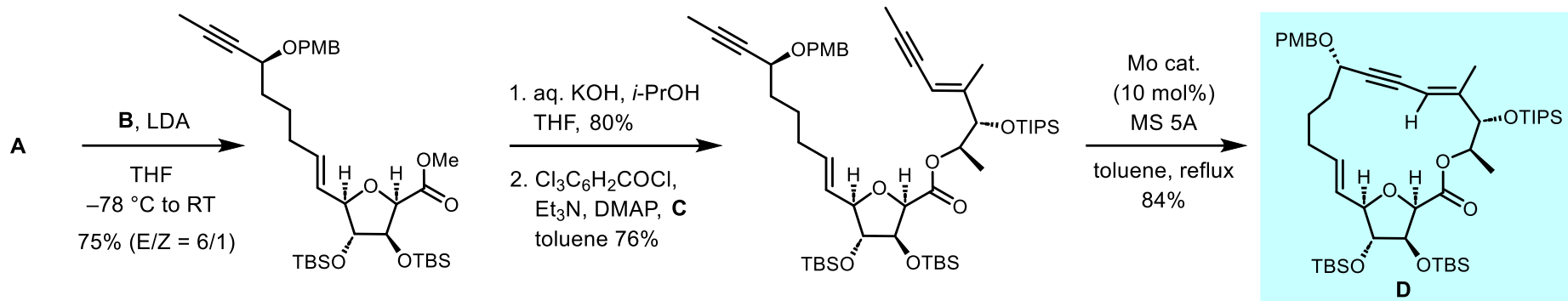


J. Am. Chem. Soc. 2010, 132, 7294. <https://pubs.acs.org/doi/full/10.1021/ja1020469>

Possible concerns







J. Am. Chem. Soc. **2023**, 145, 49, 26993. <https://pubs.acs.org/doi/10.1021/jacs.3c10430>