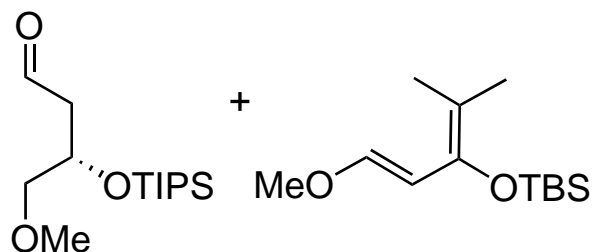


Total Synthesis of Pederin

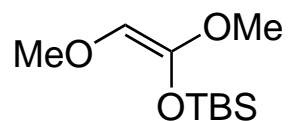
Jewett, J.C.; Rawal, V.H. *Angew. Chem. Int. Ed.* **2007**, ASAP



1. $\text{Al}(\text{2,6-diphenyl-phenoxy})_2\text{Me}$,
 TMSOTf
10% HF/MeCN quench

2. NaHMDS , MeI

A



$\text{Sc}(\text{OTf})_3$

10% HF/MeCN quench

B

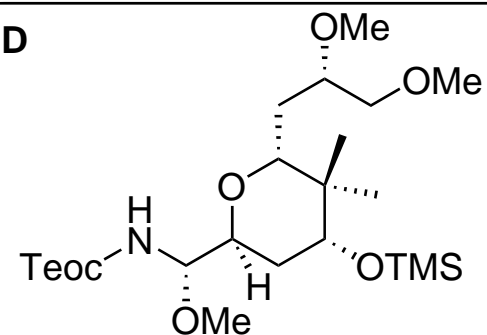
1. L-selectride
2. 10% NaOH/MeOH

C

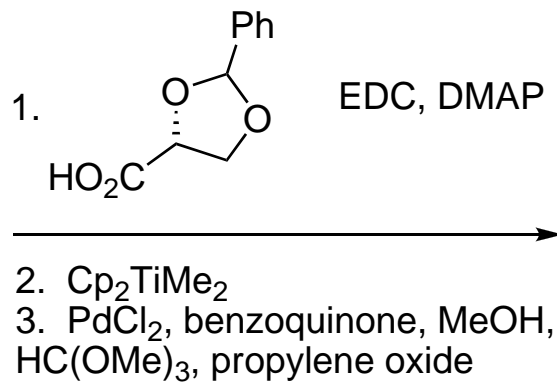
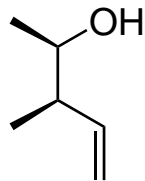
1. diphenylphosphorylazide,
 Et_3N , 2-trimethylsilylethanol

2. TMSCl , imidazole

D



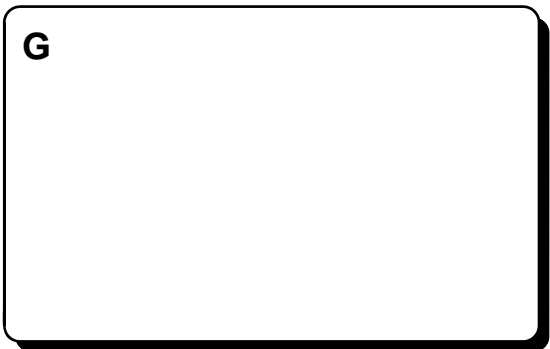
Banghart



1. Na, liq. NH_3
2. TESCl, DIPEA
3. BzCl, DMAP, DIPEA
4. PDC



1. SOCl_2 , pyridine
2. **D**, LiHMDS



TBAF
→ LiOH/MeOH quench

