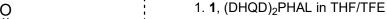
β-Ketoesters as Mono- or Bisnucleophiles: A concise Enantioselective Total synthesis of (-)-Englerin A and B

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Angew. Chem. Int. Ed. 2019, 58, 8346-8350



2. 2, Et₃N, DMAP, TCBC

3. 3, TMSOTf cat

4. LiHMDS, DMPU, then 4

5. LiCl, wet DMSO

6. KHMDS, PhNTf₂

7(a) $Pd(PPh_3)_2Cl_2$, Et_3N

(b) then MeSiCl₂H

(c) then H_2O_2

8. TPAP, NMO

9. (S)-CBS, BH₃

10. H₂ Pd/C

11. Cinnamoyl chloride, ET₃N, DMAP *the*n TBAF

12. K₂CO₃ MeOH/H₂O

1. What is the name of compound 1? Please classify the reaction

2. Name of the reaction?

3. Please classify the reaction and propose a mechanism

5) Name of the reaction?

7) a) Name of the reaction?

c) Name of the reaction?

