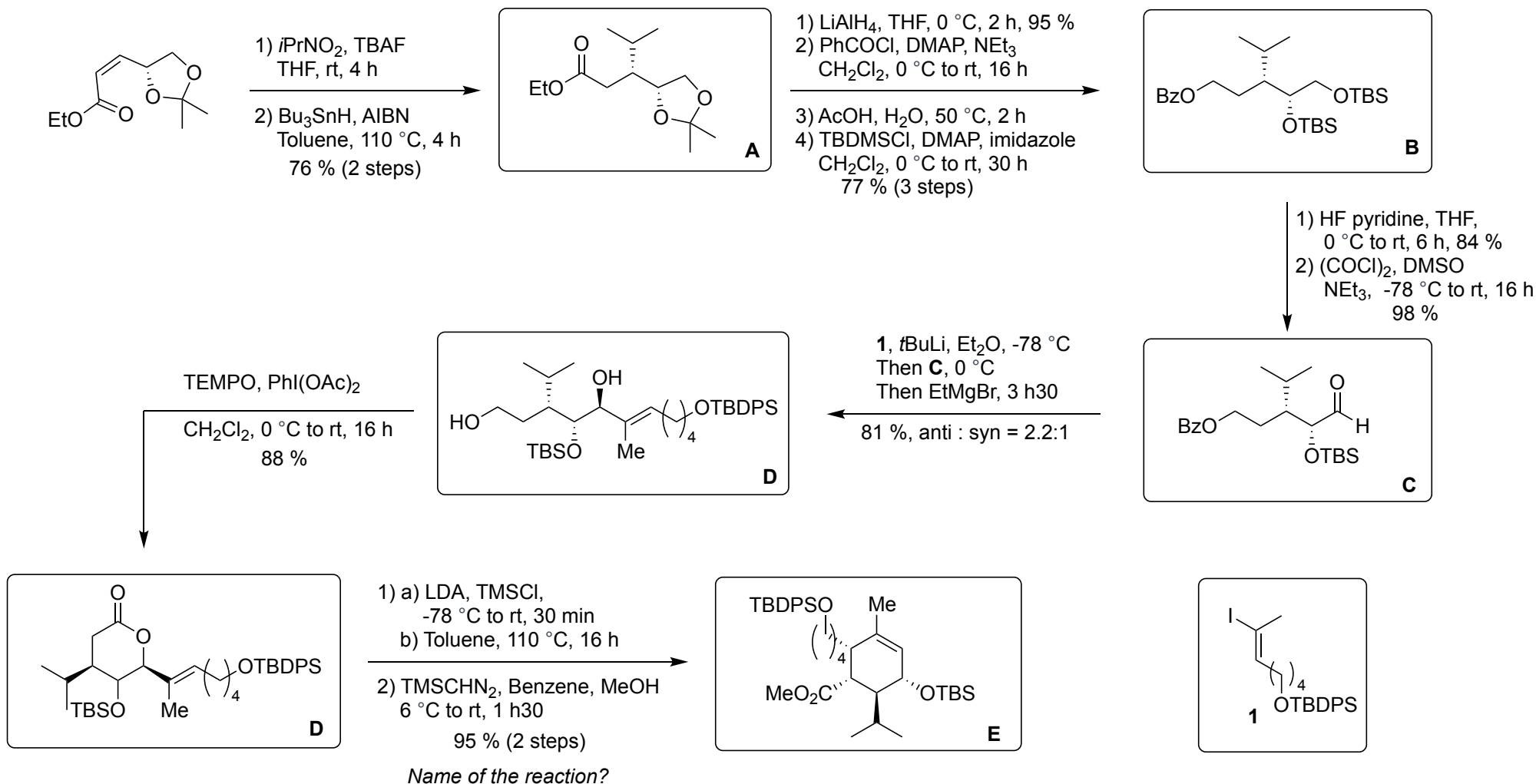




# Total synthesis of (-)-dendrobine

L. M. Kreis & E. M. Carreira *Angew. Chem. Int. Ed.*, 2012, 51, 3436-3439.

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Antoine Versini  
25/01/2022

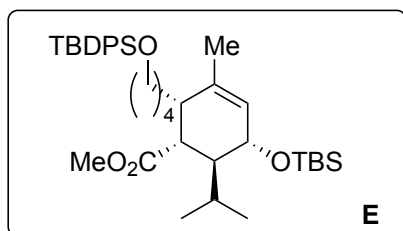




# Total synthesis of (-)-Dendrobine

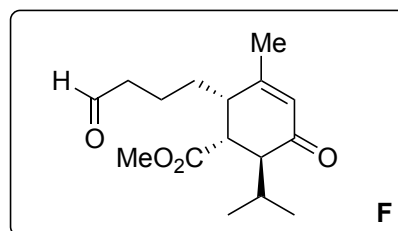
L. M. Kreis & E. M. Carreira *Angew. Chem. Int. Ed.*, 2012, 51, 3436-3439.

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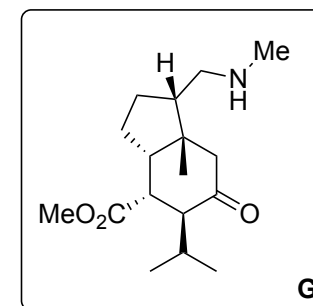
1) HF pyridine, THF  
0 °C to rt, 24 h, 88 %

2) PCC, celite, CH<sub>2</sub>Cl<sub>2</sub>  
rt, 2 h, 76 %

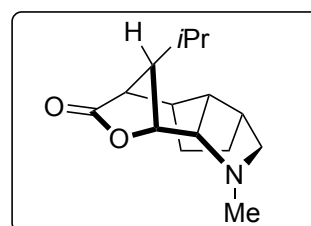
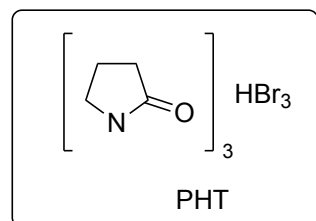


1) BnMeNH, 4 Å MS  
Toluene, 110 °C, 16 h

2) H<sub>2</sub>, Pd/C, 4 Å MS  
MeOH, 0 °C to rt, 5 h30  
68 % (2 steps)



PHT, THF,  
DMAP, rt  
3 days  
63%



NaBH<sub>4</sub>, *i*PrOH

rt to 50 °C, 5 h  
65 %

