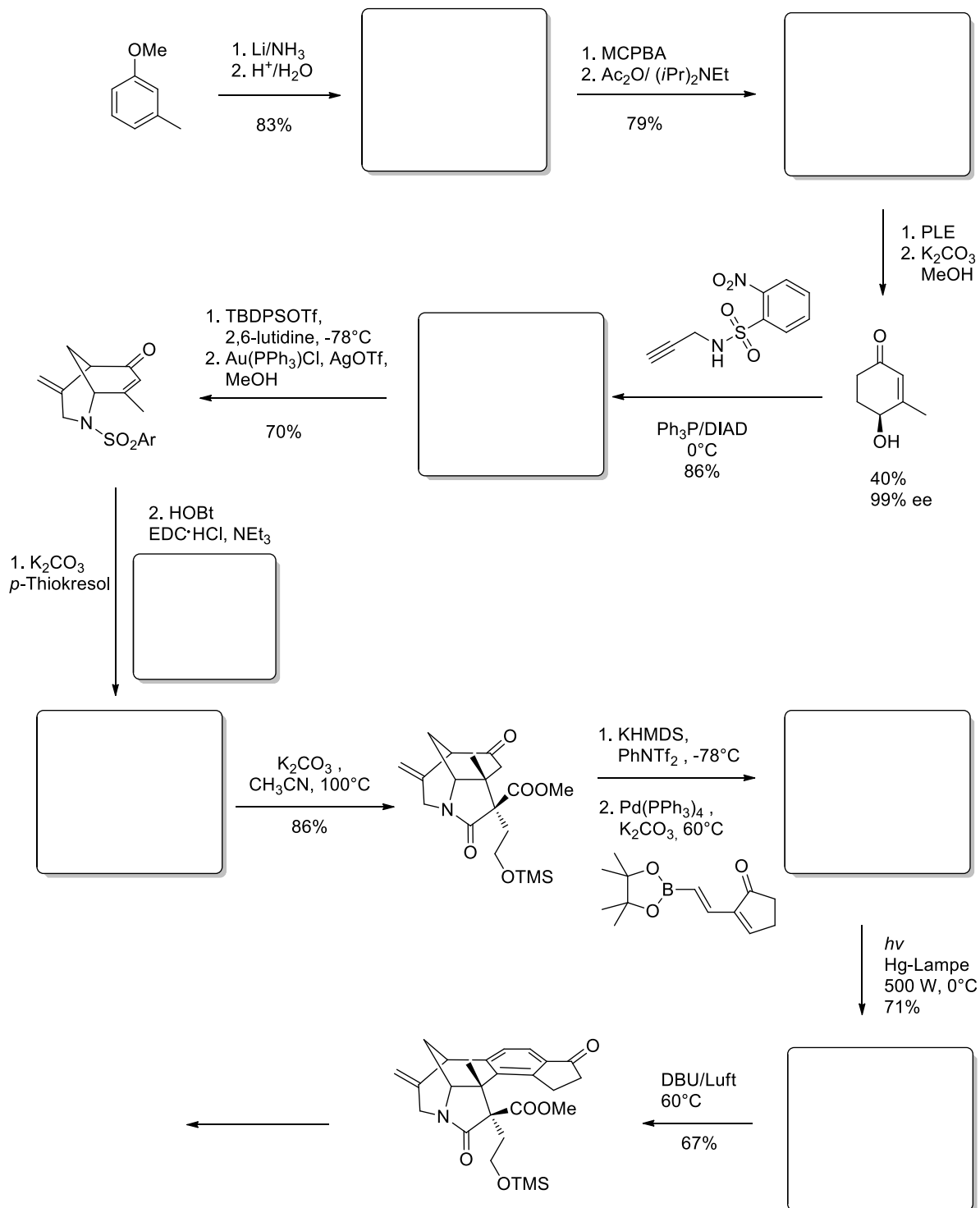


Syntheseseminar 11.06.2014

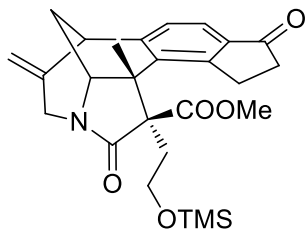
Total synthesis of the *Daphniphyllum* alkaloid daphenylline

Nature Chem. **2013**, 5, 679

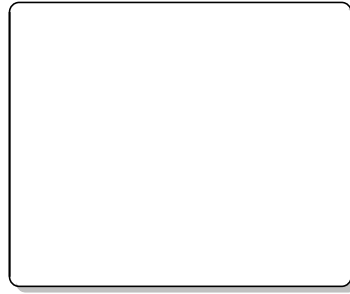


PLE: Pig Liver Esterase

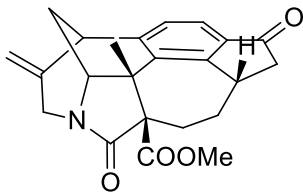
DIAD: Diisopropylazodicarboxylat



1. TMSOTf,
NEt₃, -78°C
2. Pd(OAc)₂
81%

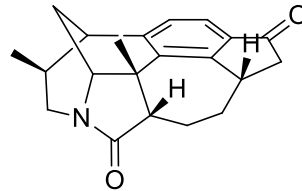
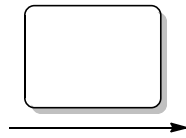
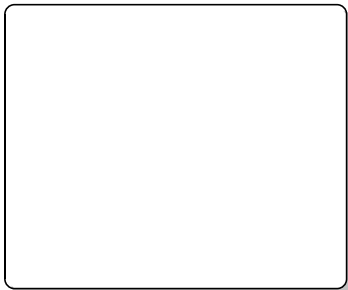


1. HF·py, 0°C
2. I₂, PPh₃
Imidazol
93%



(TMS)₃SiH, AIBN,
75°C
98%

H₂,
Crabtree-Katalysator



1. Pd/C, MeOH, H₂
2. LiAlH₄, 40°C
66%



Daphenylline