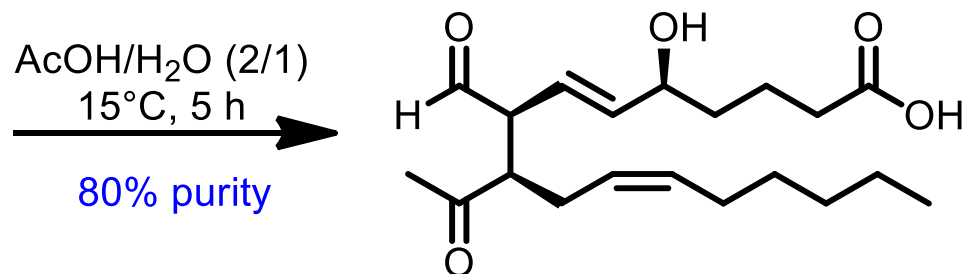
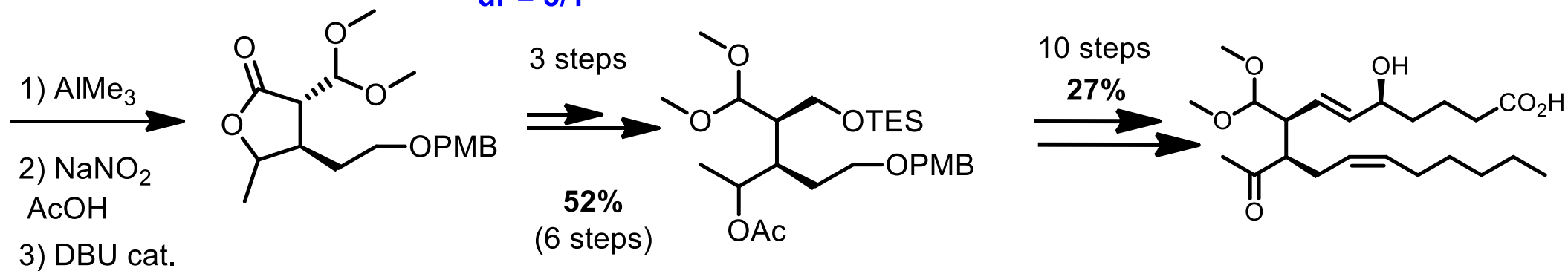
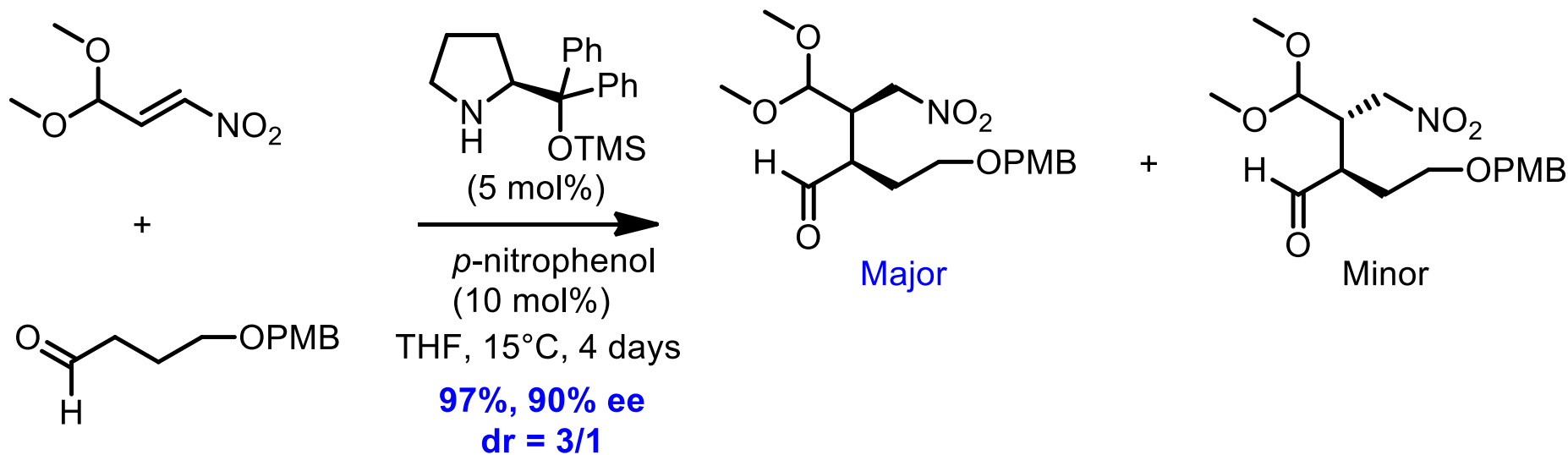


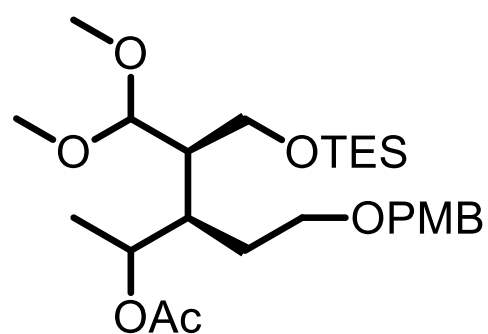
# Isoketals Synthetic Strategy



**5-D<sub>2</sub>-IsoK**  
Unstable compound

*Candy et al. Eur. J. Org. Chem. 2016, 35, 5813.*

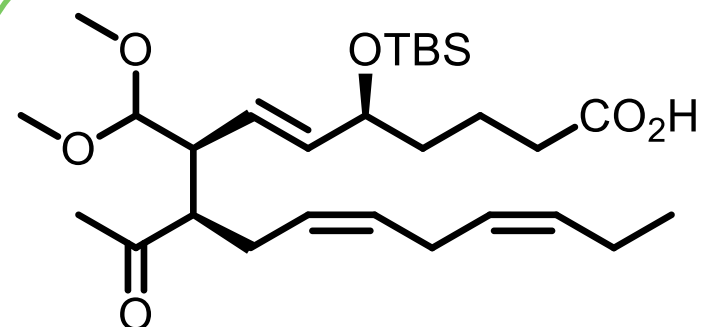
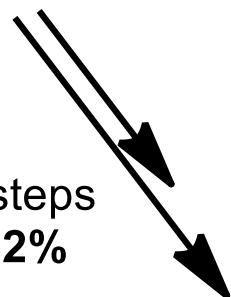
# Isoketals Synthetic Strategy



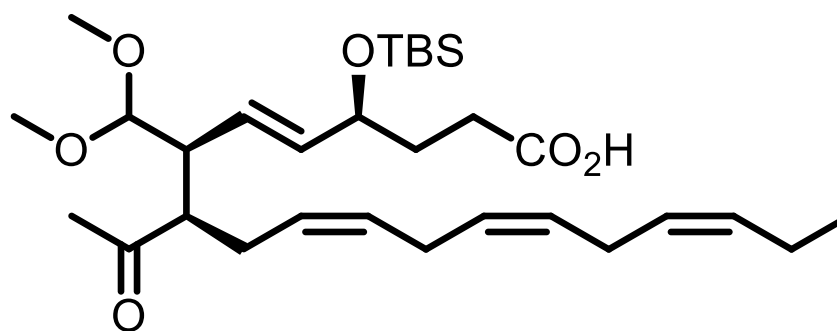
10 steps  
7,5%



9 steps  
12%



Stable compounds



5-D<sub>3</sub>-IsoK



AcOH/H<sub>2</sub>O (2/1)



4-D<sub>4</sub>-NeuroK

Final deprotection steps were developed to be performed in non-chemically equipped laboratory, prior to analysis or biological testing.