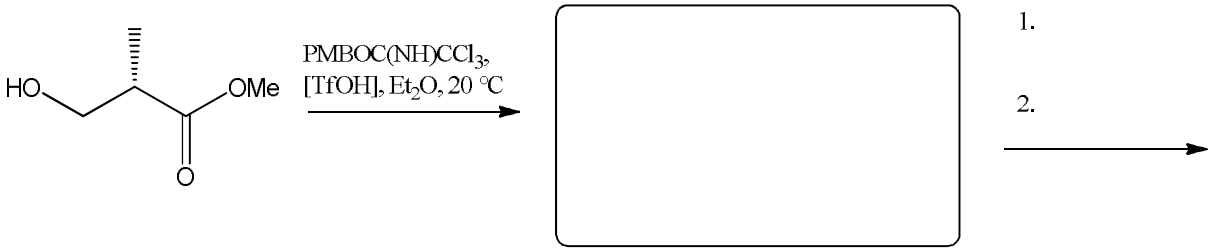
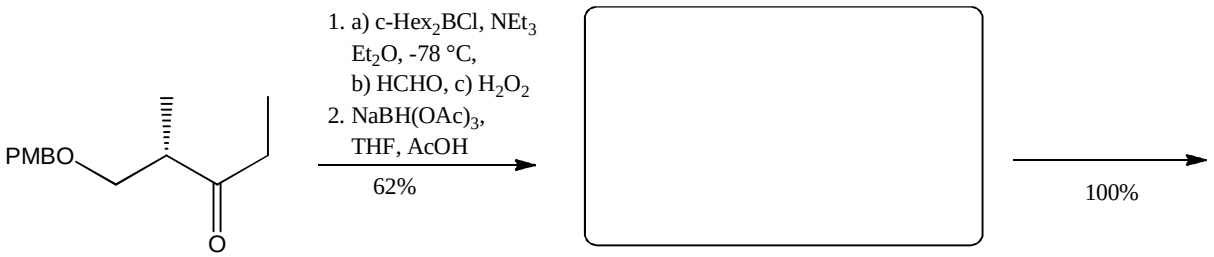
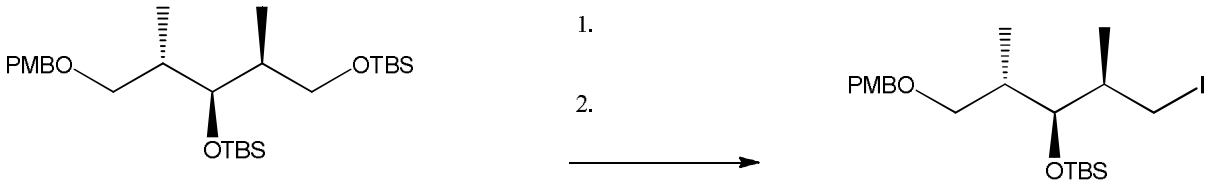
Syntheseseminar 04.05.2011

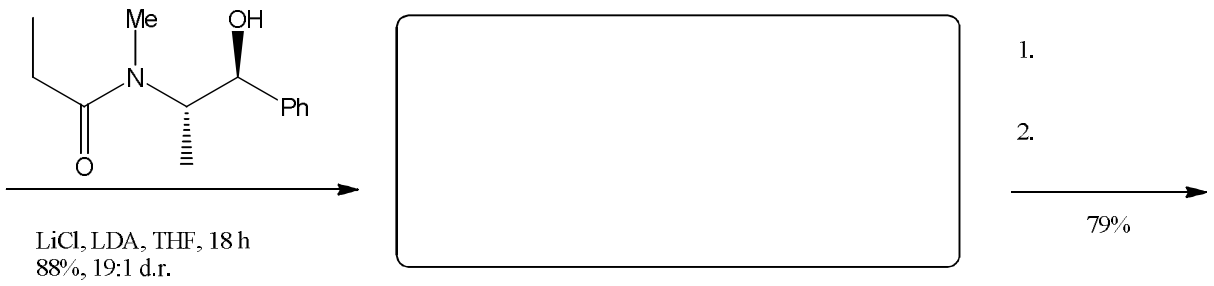
(-)-Dictyostatin

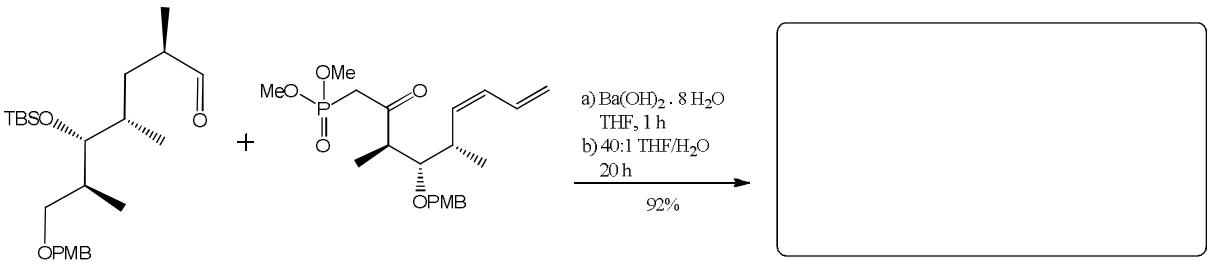
I. Paterson, R. Britton, O. Delgado, A. Meyer, K. G. Poullennec, *Angew. Chem*. 2004, *116,* 4729.



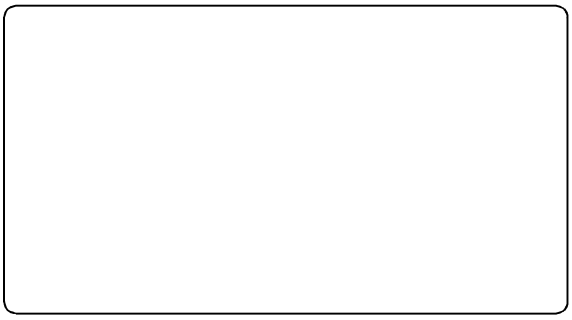




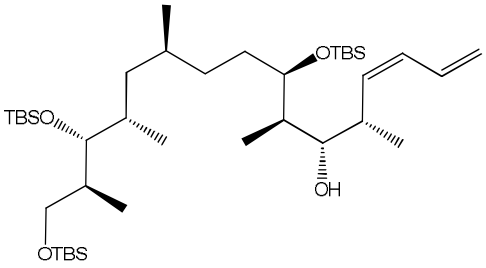




1. $[Ph_3PCuH]_6$
Benzol, H_2O, RT, 2 h
2. DDQ, pH 7 Puffer,
DCM, 0 °C, 6 h
3. $Zn(BH_4)_2$, Et_2O,
-30 °C, 2 h
66%

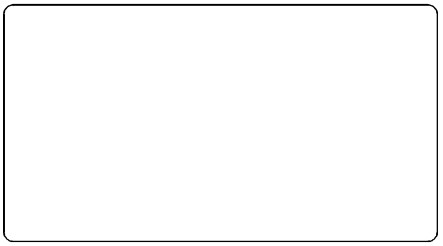


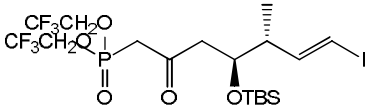
91%



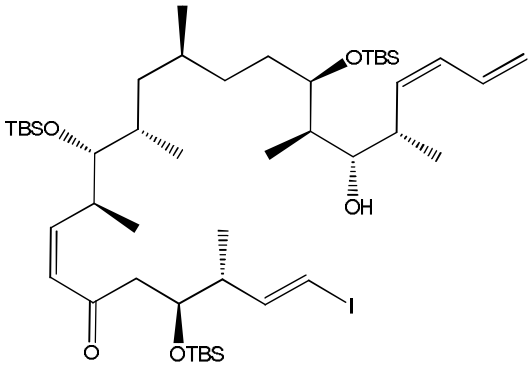
1.

2.

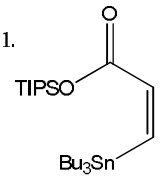




K_2CO_3 (10 eq.), [18]Krone-6 (25 eq.),
Toluol, RT, 48 h
77%
Z/E = 5:1



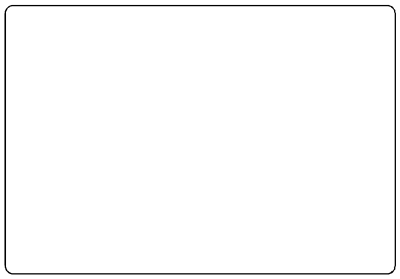
1.



CuTC, NMP, RT, 1 h

2. KF, THF, MeOH
RT, 2 h

83%



2,4,6-Trichlorbenzoyl-
chlorid, NEt_3, DMAP,
Toluol, 60 °C, 2 h

77%

1.

2.

70% und 87%