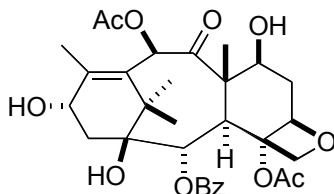


Baccatin III (TKGP-091024)

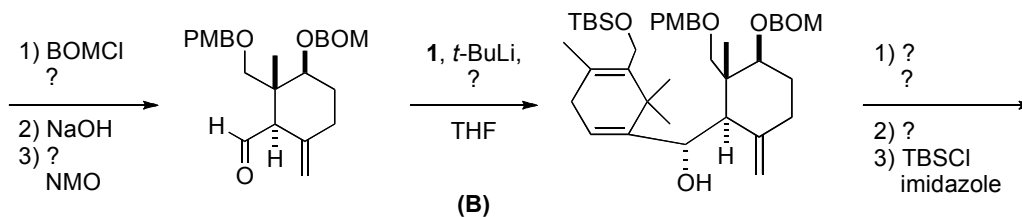
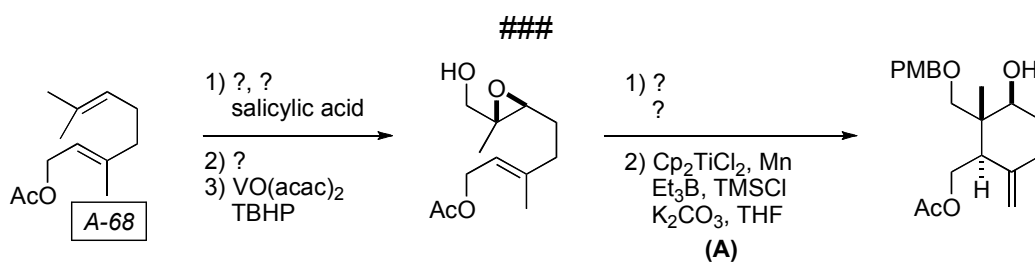
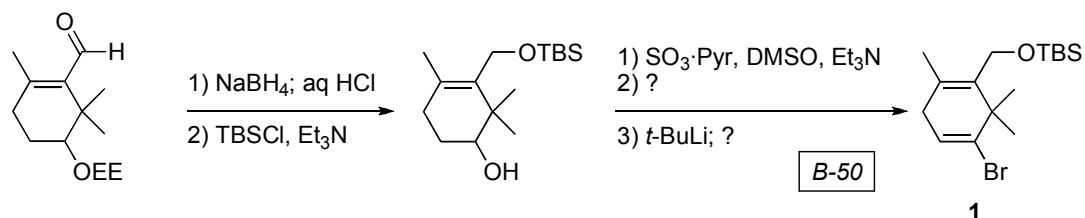
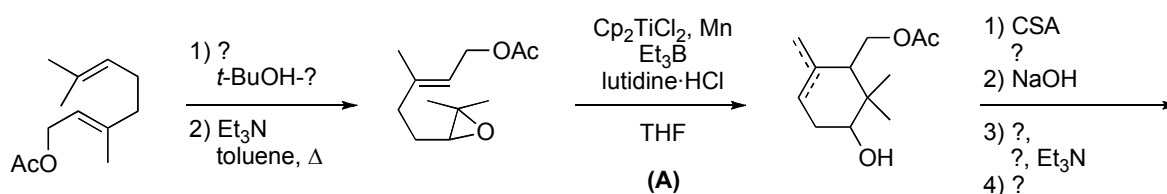
T. Doi, T. Takahashi¹⁾

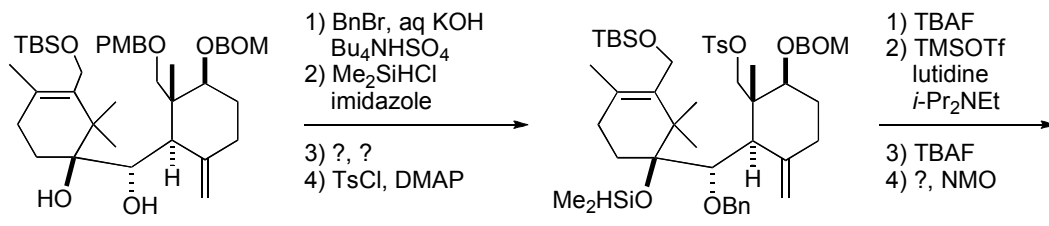
Activity

Antitumor (抗腫瘍活性)

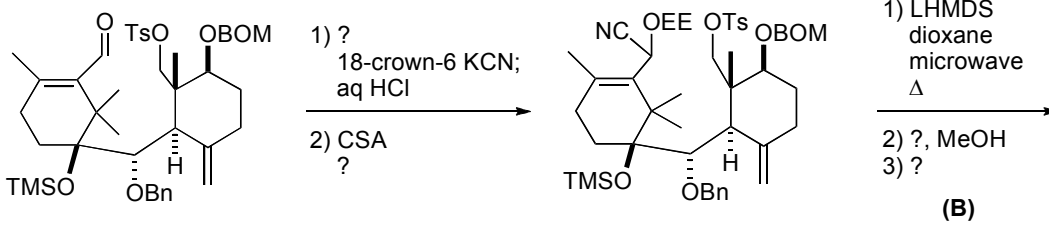
Key Reactions

(A) radical cyclization, (B) intramolecular alkylation, (C) oxetane formation



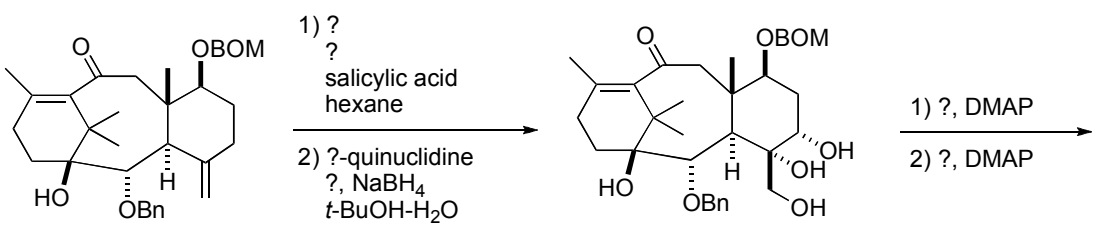


1) TBAF
 2) TMSOTf
 lutidine
i-Pr₂NEt
 3) TBAF
 4) ?, NMO

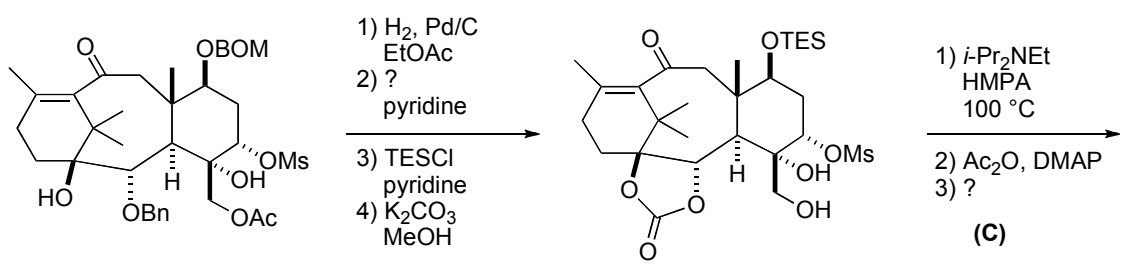


1) LHMDS
 dioxane
 microwave
 Δ
 2) ?, MeOH
 3) ?

(B)

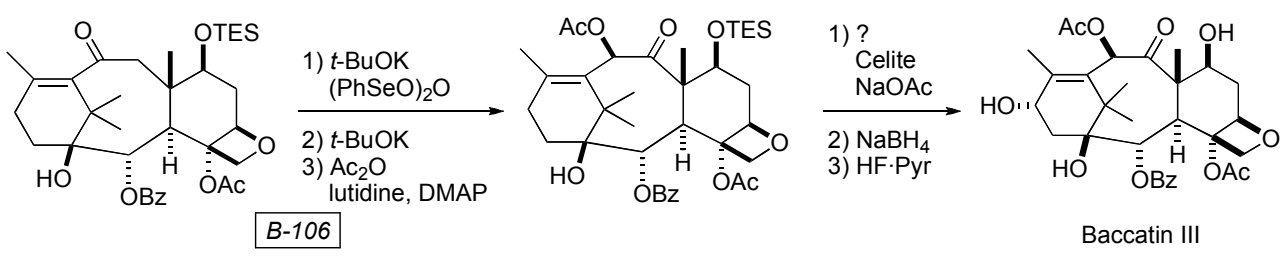


1) ?, DMAP
 2) ?, DMAP



1) *i*-Pr₂NEt
 HMPA
 100 °C
 2) Ac₂O, DMAP
 3) ?

(C)



B-106

Baccatin III

Reference:

1) T. Doi, S. Fuse, S. Miyamoto, K. Nakai, D. Sasuga, T. Takahashi, *Chem. Asian J.*, **1**, 370 (2006)