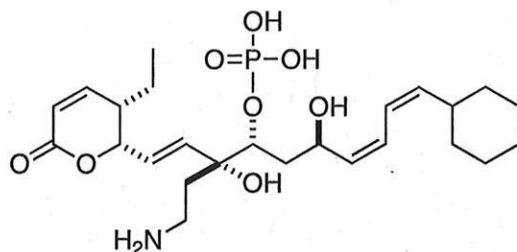


(+)-Phoslactomycin B (110122-TKGP)

Y. Kobayashi<sup>1), 2)</sup>

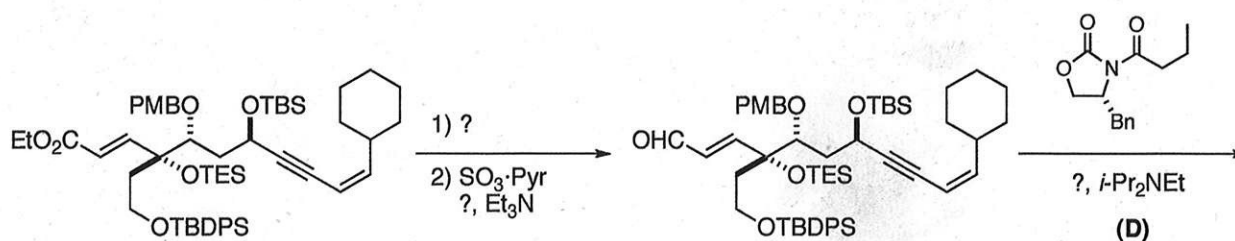
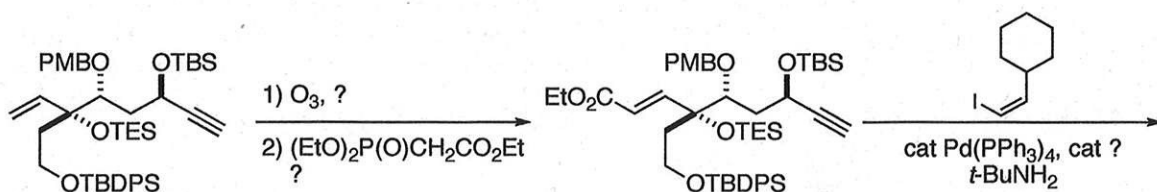
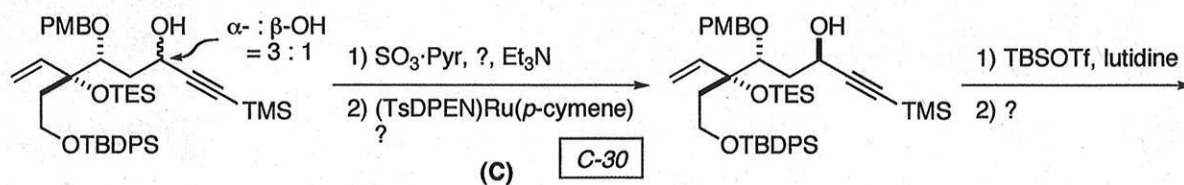
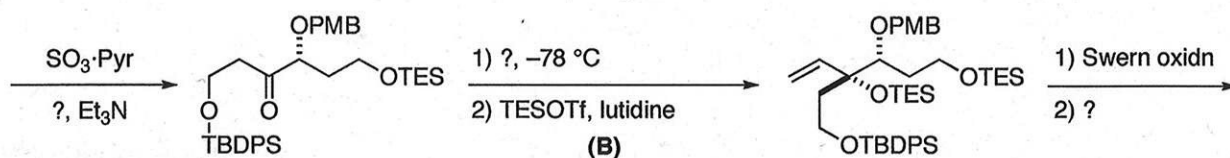
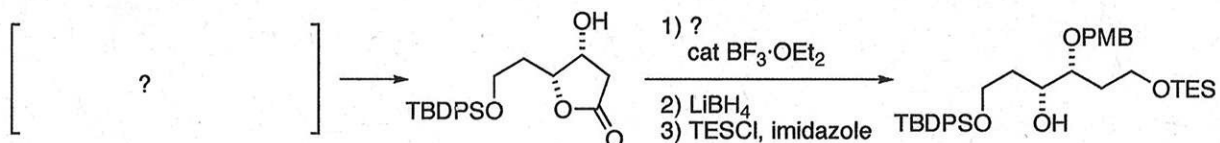
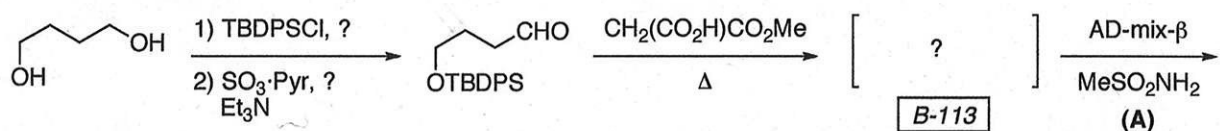


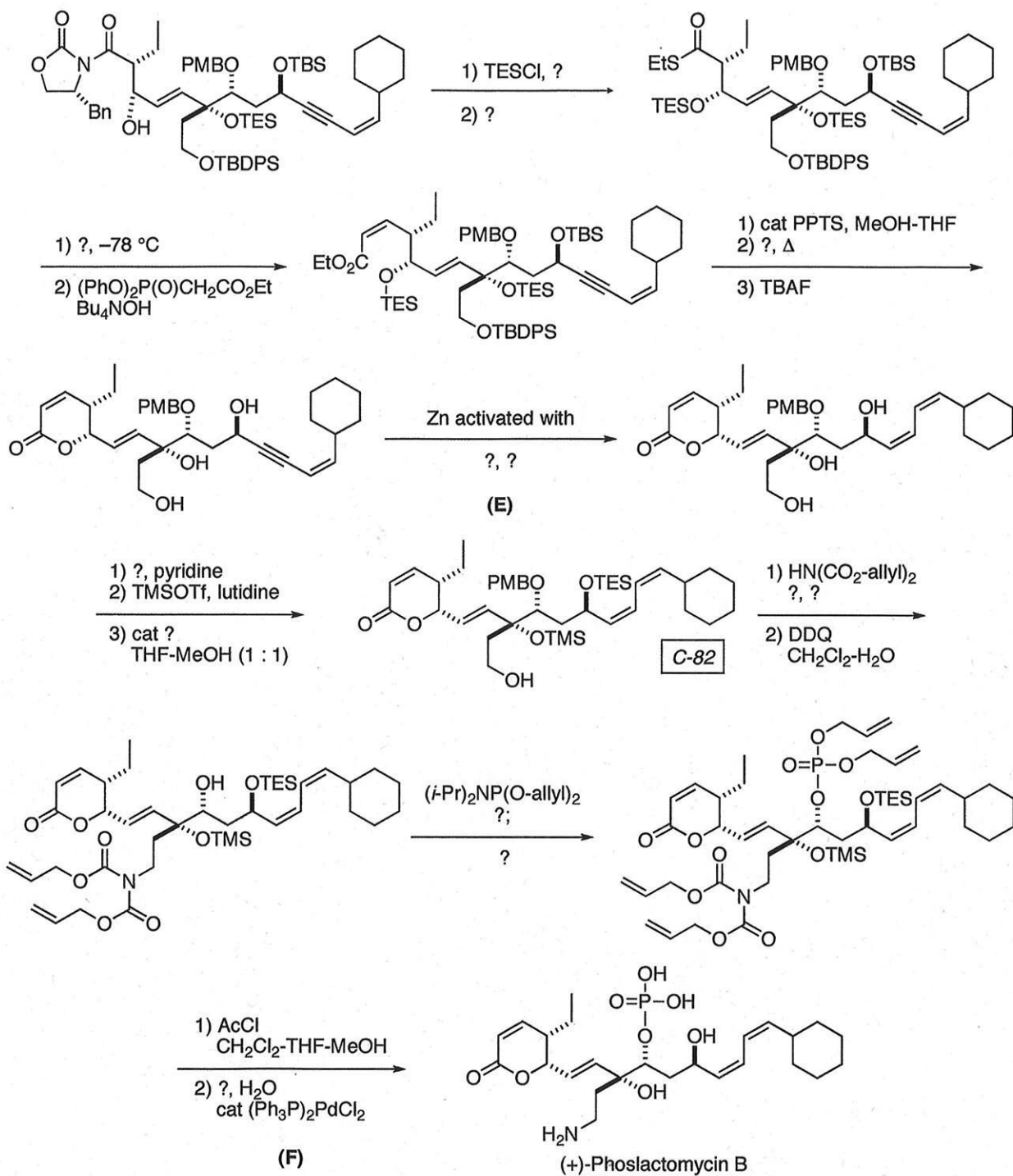
Activity

Antitumor (抗腫瘍活性), PP2A inhibitor (タンパク質脱リン酸化酵素 2A 阻害剤)

Key Reactions

(A) asymmetric hydroxylation, (B) chelation-controlled addition, (C) asymmetric reduction of ynone, (D) asymmetric aldol reaction, (E) reduction of acetylene, (F) Pd-catalyzed deprotection of allyl group





**References:**

- 1) Y.-G. Wang, R. Takeyama, Y. Kobayashi, *Angew. Chem., Int. Ed.*, **45**, 3320 (2006)
- 2) H. Nonaka, N. Maeda, Y. Kobayashi, *Tetrahedron Lett.*, **48**, 5601 (2007)