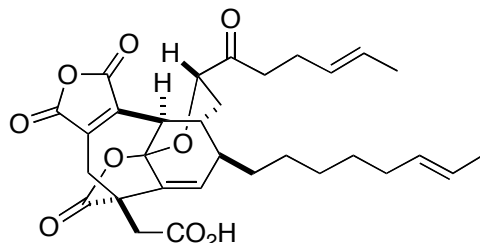


(-)-Phomoidride B (180428-TKGP)

T. Fukuyama^{1), 2)}

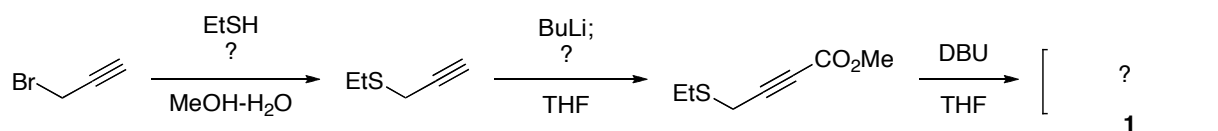


Activity

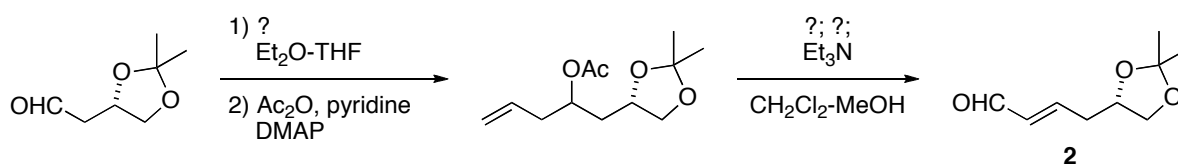
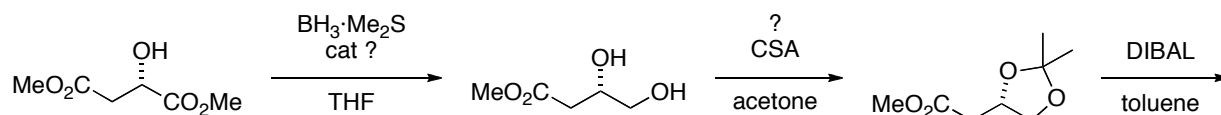
Ras farnesyl transferase inhibitor (Ras ファルネシル基転位酵素阻害剤)

Key Reactions

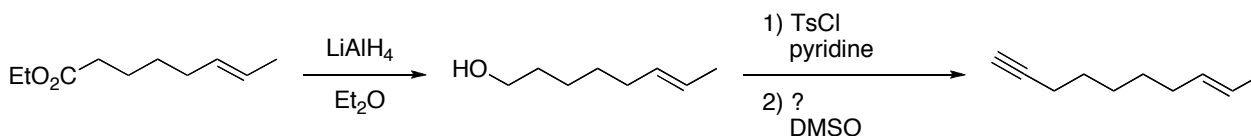
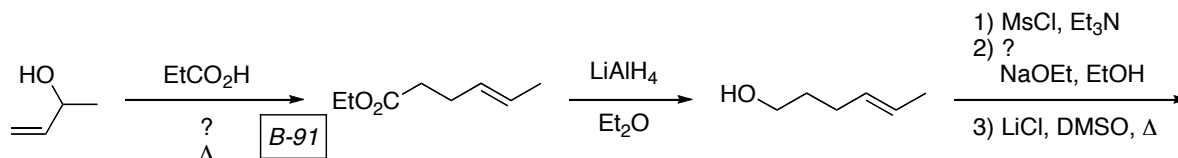
(A) Evans aldol reaction, (B) intramolecular Diels-Alder reaction, (C) selective esterification, (D) Arndt-Eistert homologation, (E) formation of anhydride via carbonylation, (F) palladium-mediated coupling of thiolester

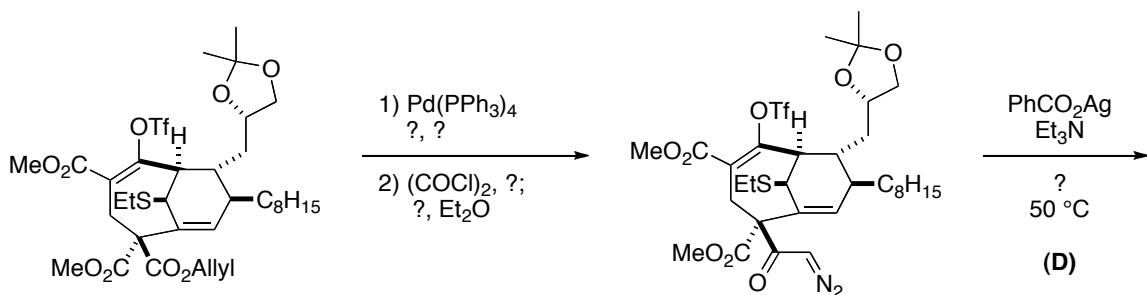
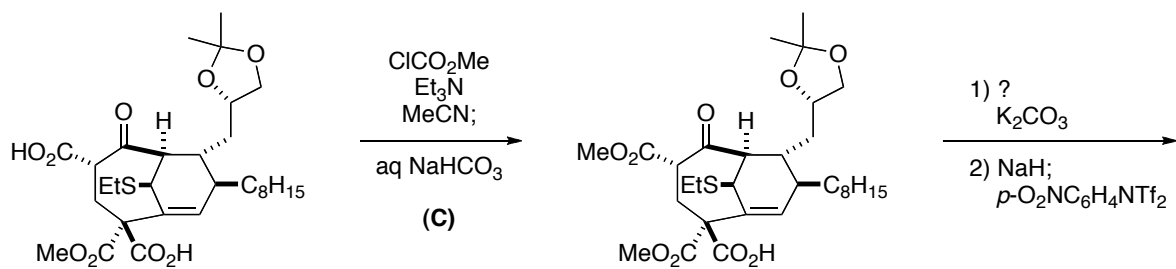
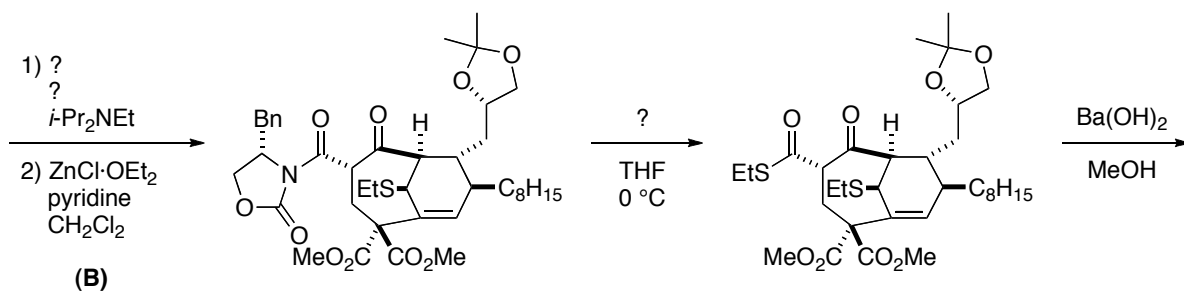
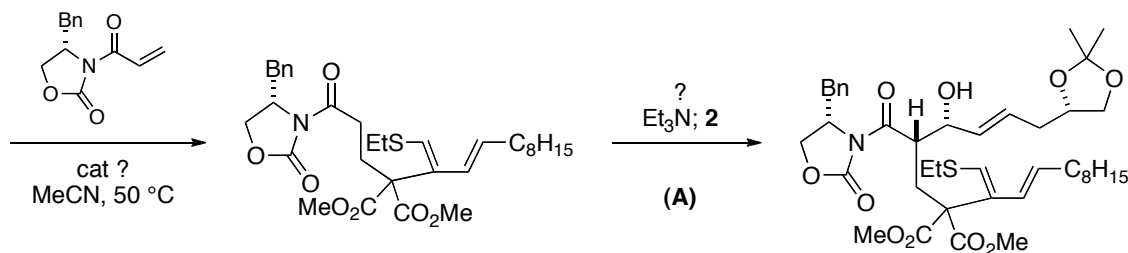
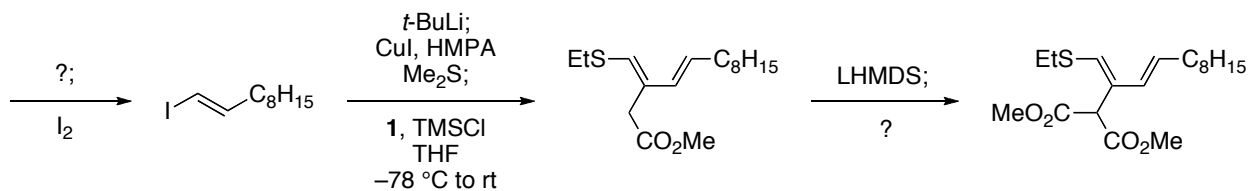


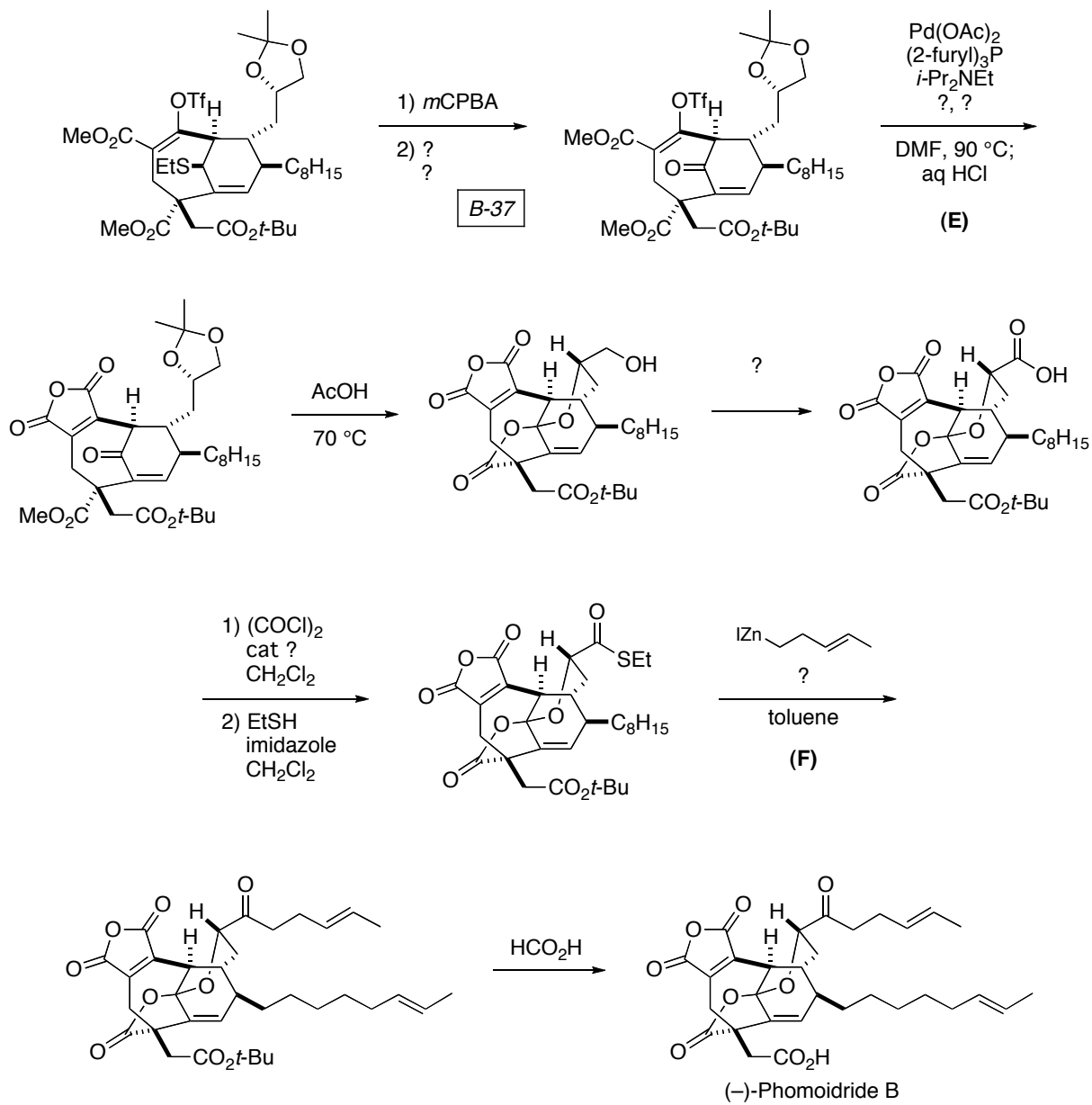
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References:

- 1) N. Waizumi, T. Itoh, T. Fukuyama, *J. Am. Chem. Soc.*, **122**, 7825 (2000)
- 2) Y. Hayashi, T. Itoh, T. Fukuyama, *Org. Lett.*, **5**, 2235 (2003)