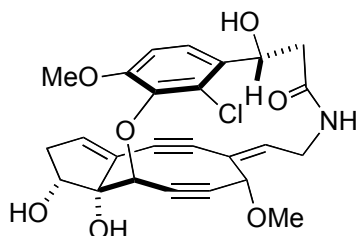


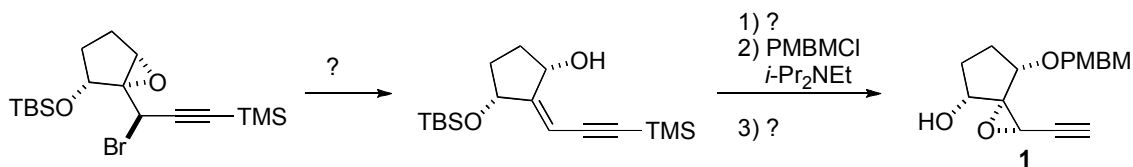
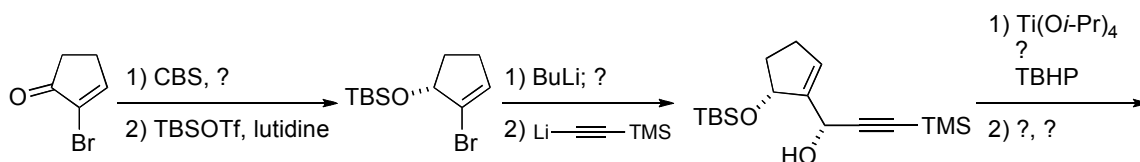
Maduropeptin chromophore (TKGP-100731)

M. Hirama¹⁾⁻⁴⁾

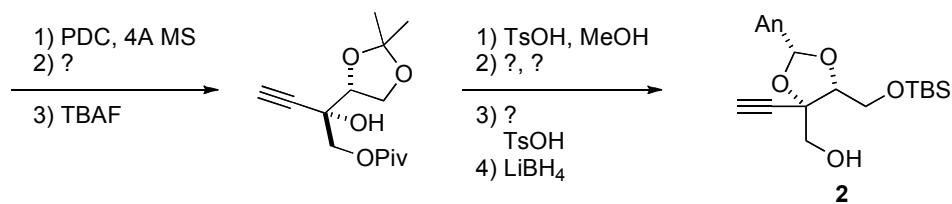
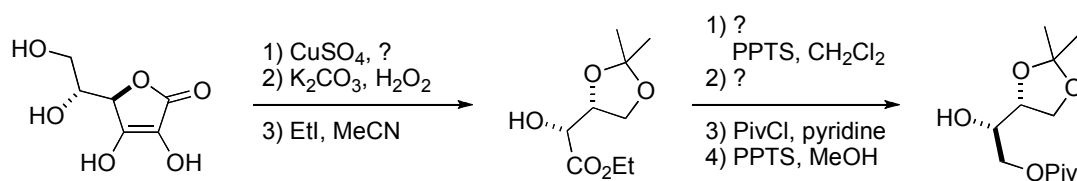


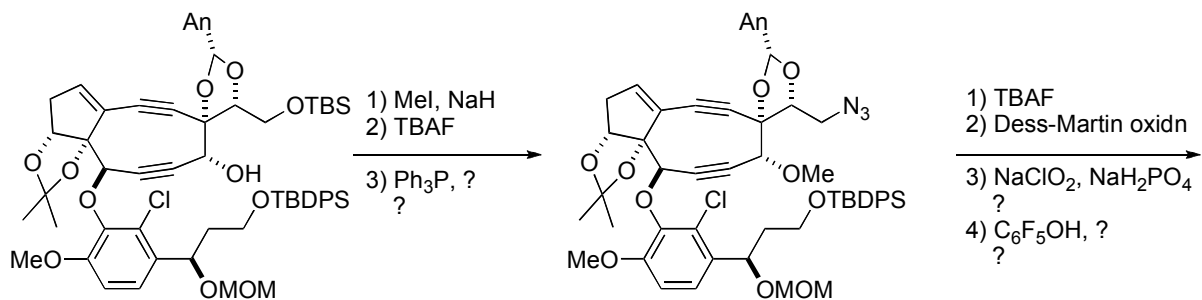
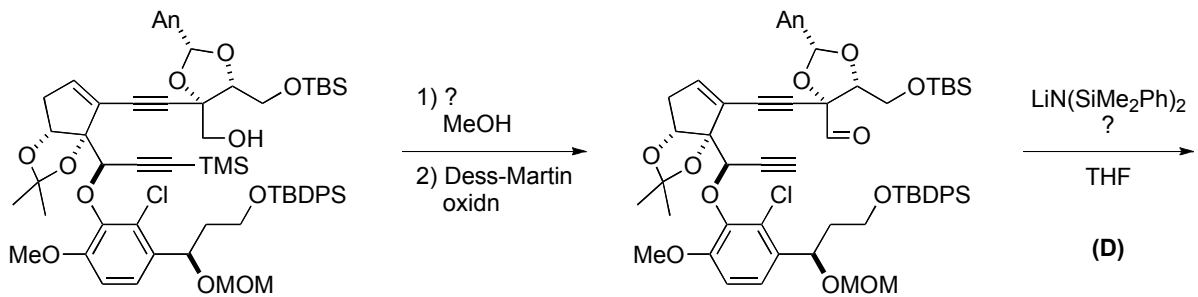
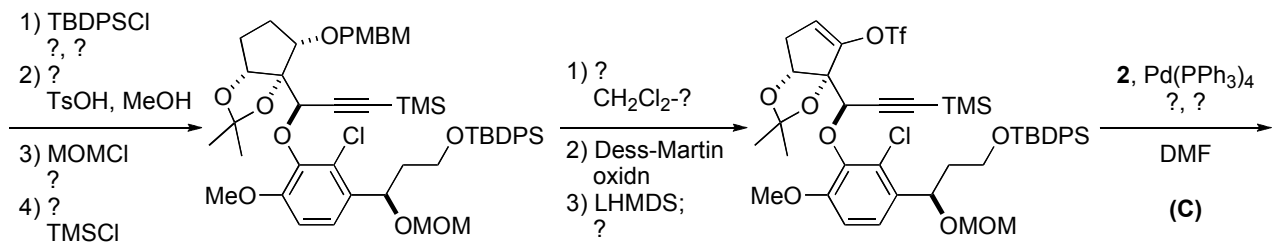
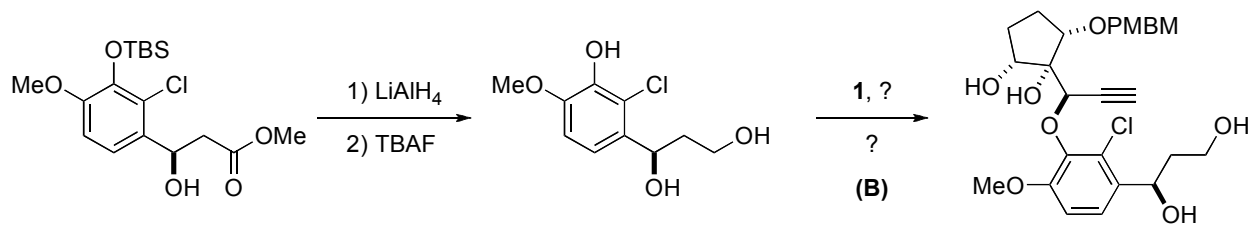
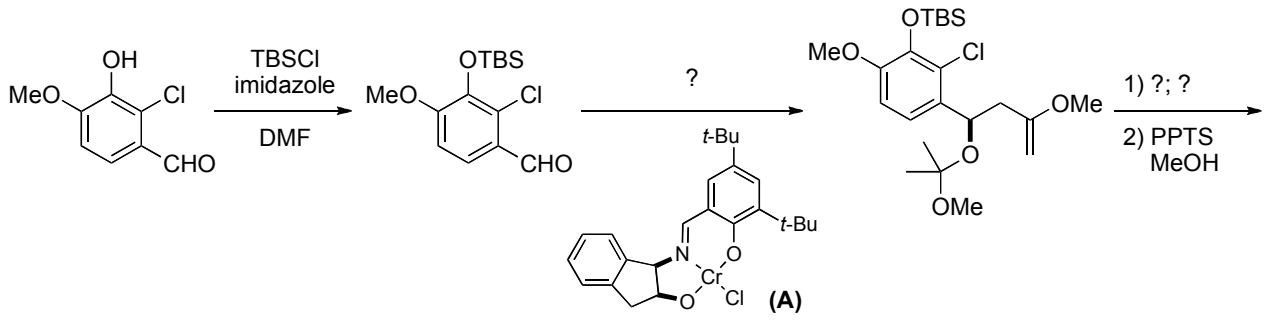
Activity Antitumor (抗腫瘍活性)

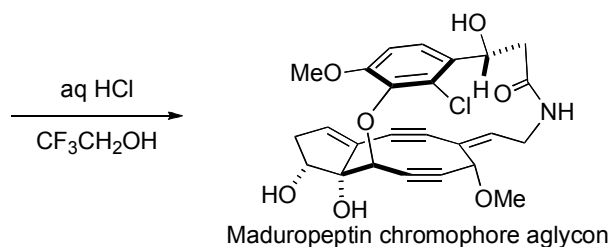
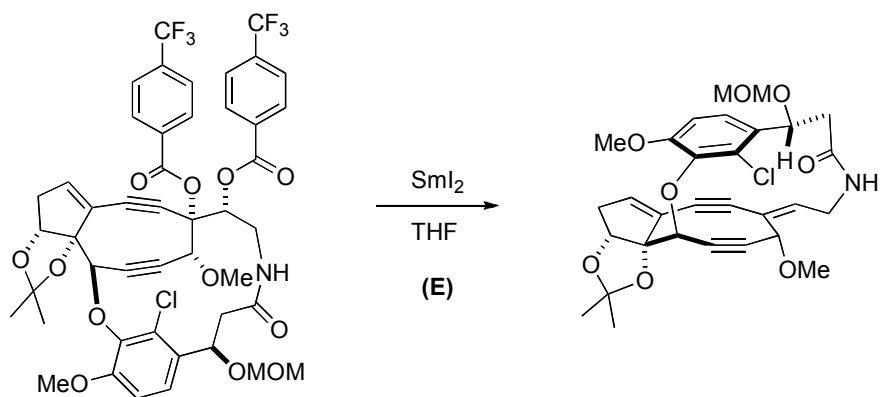
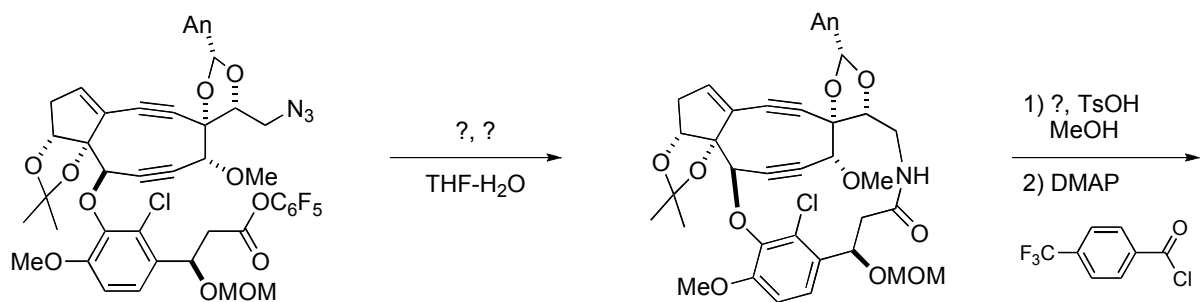
Key Reactions (A) enantioselective hetero-ene reaction, (B) CsF-promoted formation of aryl ether, (C) Sonogashira coupling reaction, (D) formation of nine-membered diyne ring, (E) Sml₂-mediated 1,2-elimination reaction



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- 2) N. Kato, S. Shimamura, S. Khan, F. Takeda, Y. Kikai, M. Hirma, *Tetrahedron*, **60**, 3161 (2004)
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- 4) S. Khan, N. Kato, M. Hirma, *Synlett*, 1494 (2000)