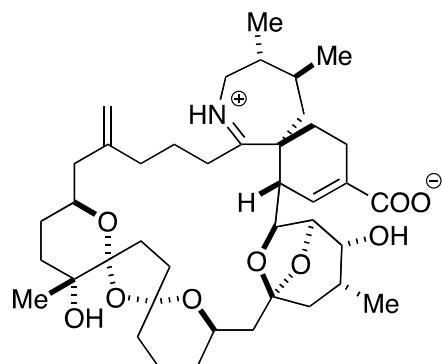


(+)-Pinnatoxin A (170121-TKGP)

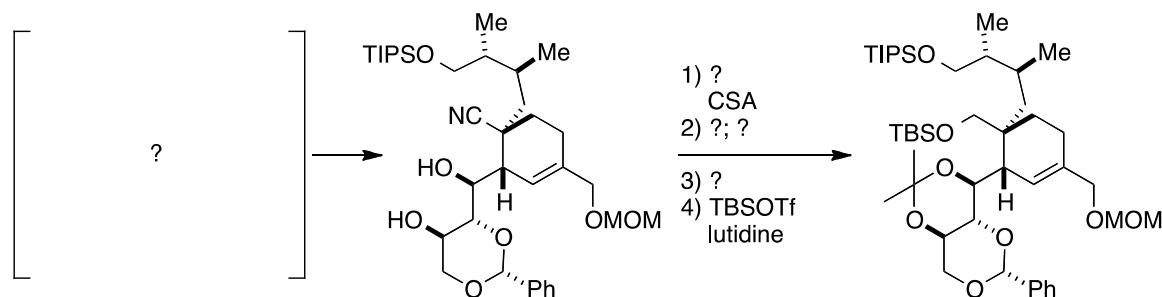
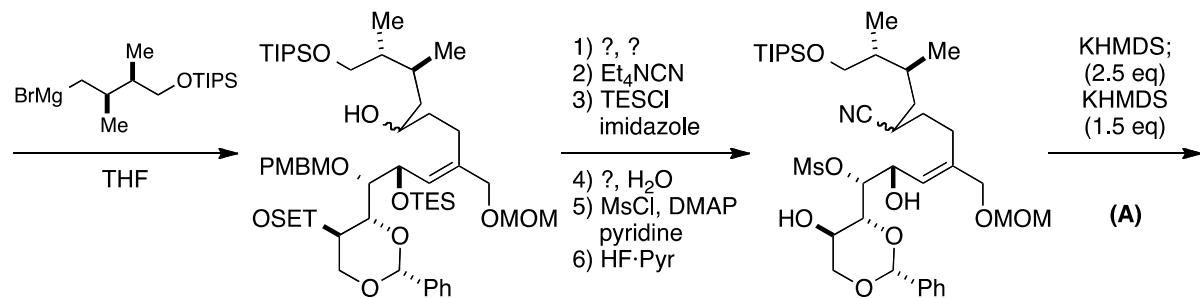
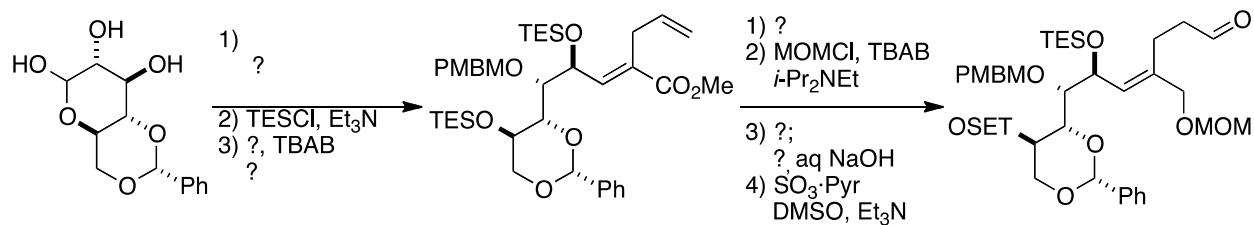
M. Hirama¹⁾⁻⁴⁾

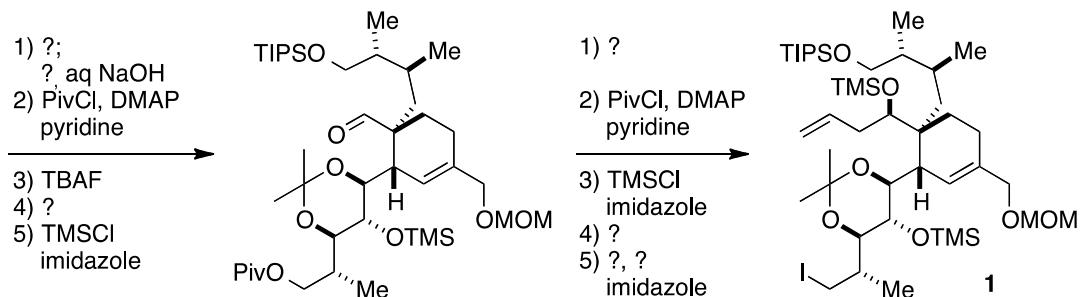
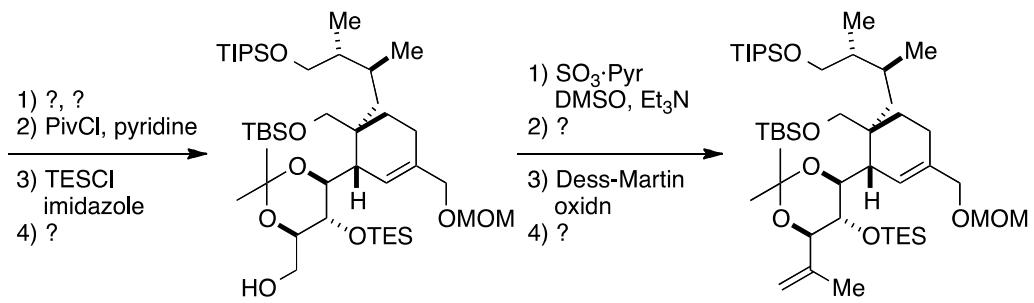


Activity

Neurotoxin (神経毒)

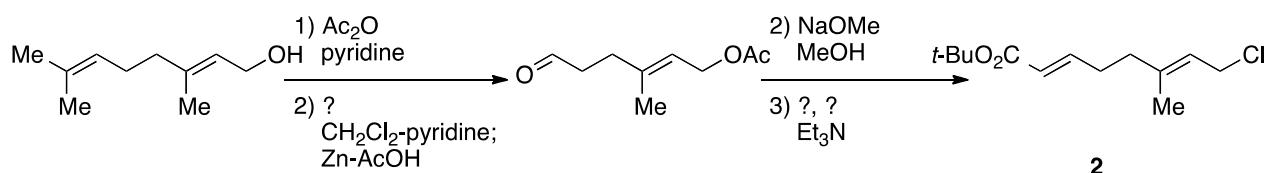
Key Reactions
 (A) intramolecular alkylation of epoxynitrile,
 (B) stereoselective bis-acetalization, (C) dithiane coupling,
 (D) ring-closing olefin metathesis, (E) stereoselective ketal formation





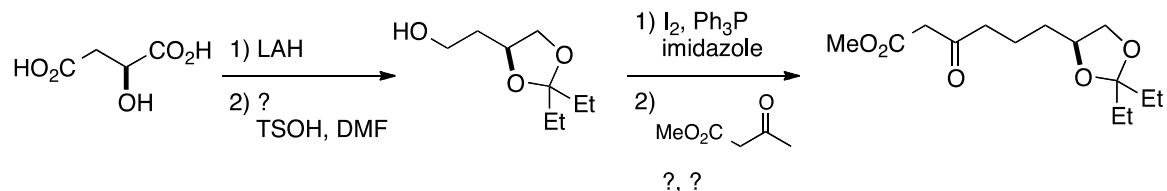
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1) ?

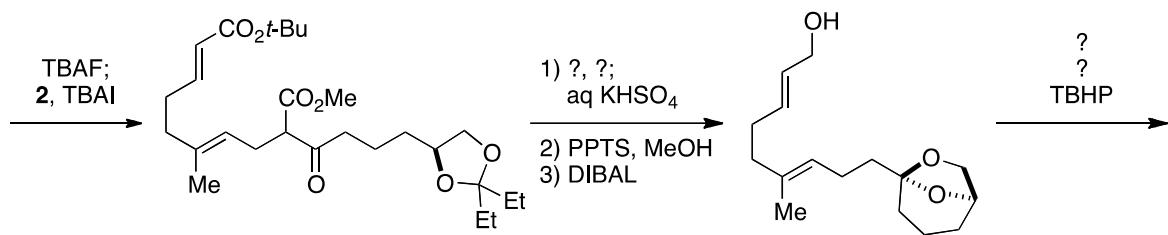


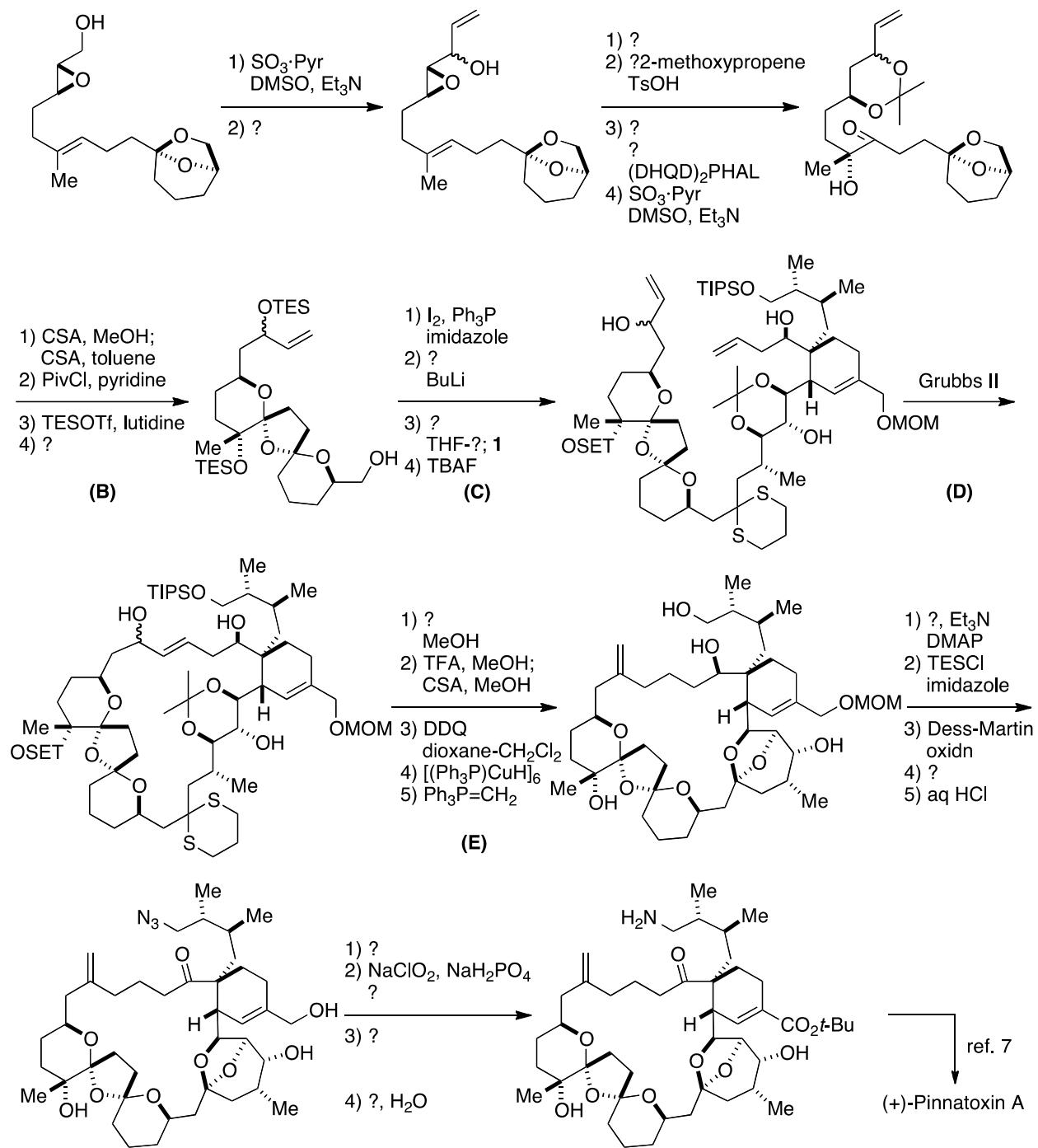
2

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References:

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