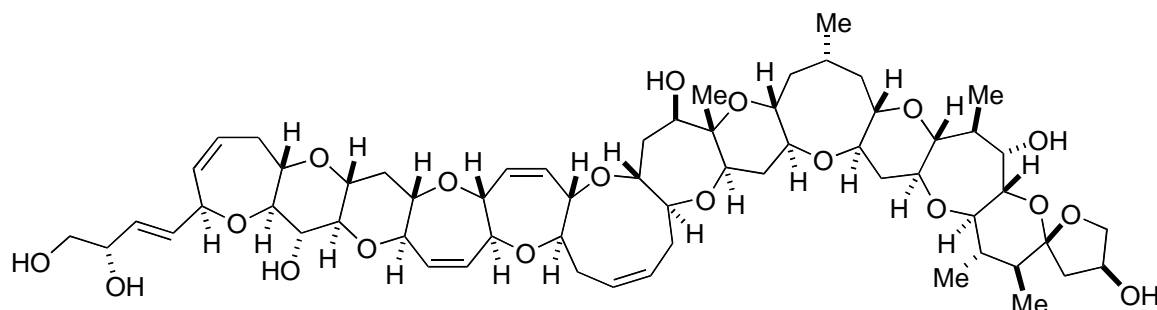


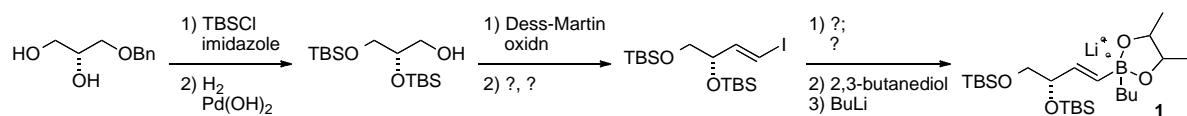
Ciguatoxin (CTX1B) 111008,15-TKGP

M. Hirama, M. Inoue¹⁾⁻⁷⁾

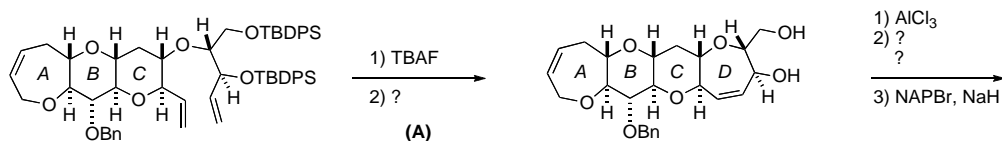
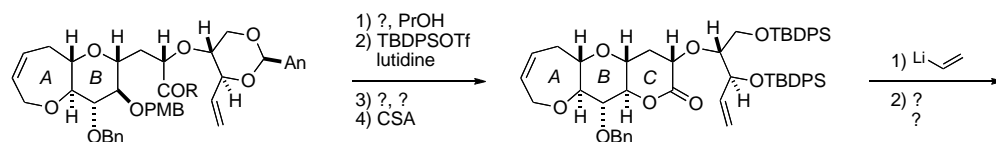
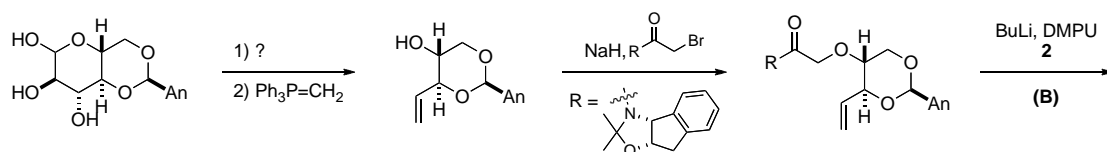
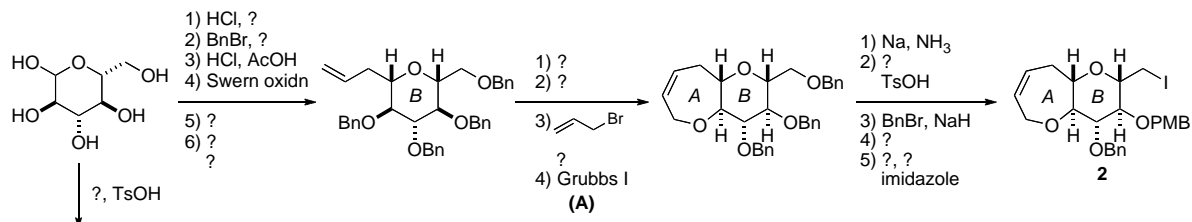
Activity Activator of voltage-sensitive Na⁺ channel (電位依存性 Na⁺チャネル活性化)

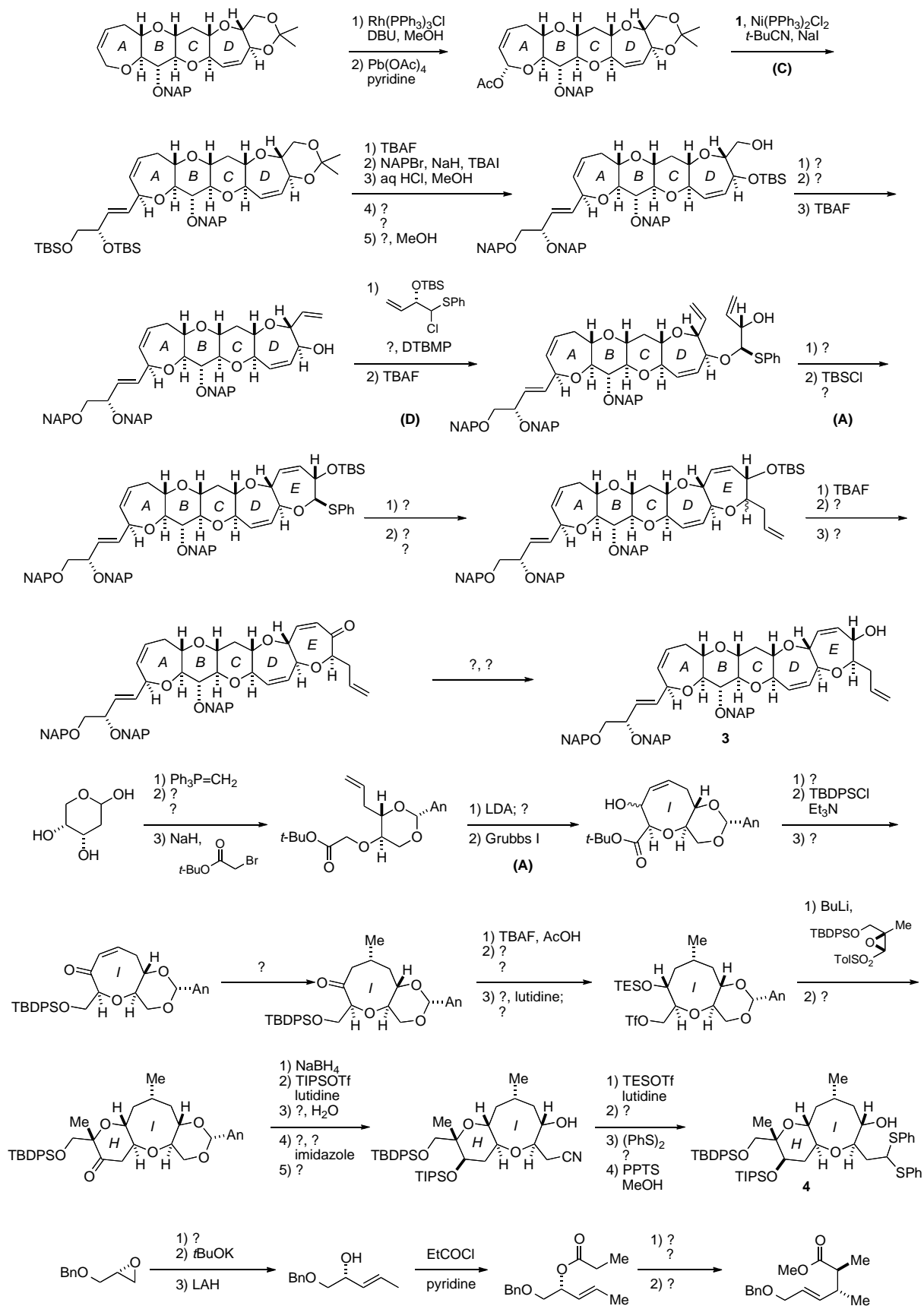
Key Reactions

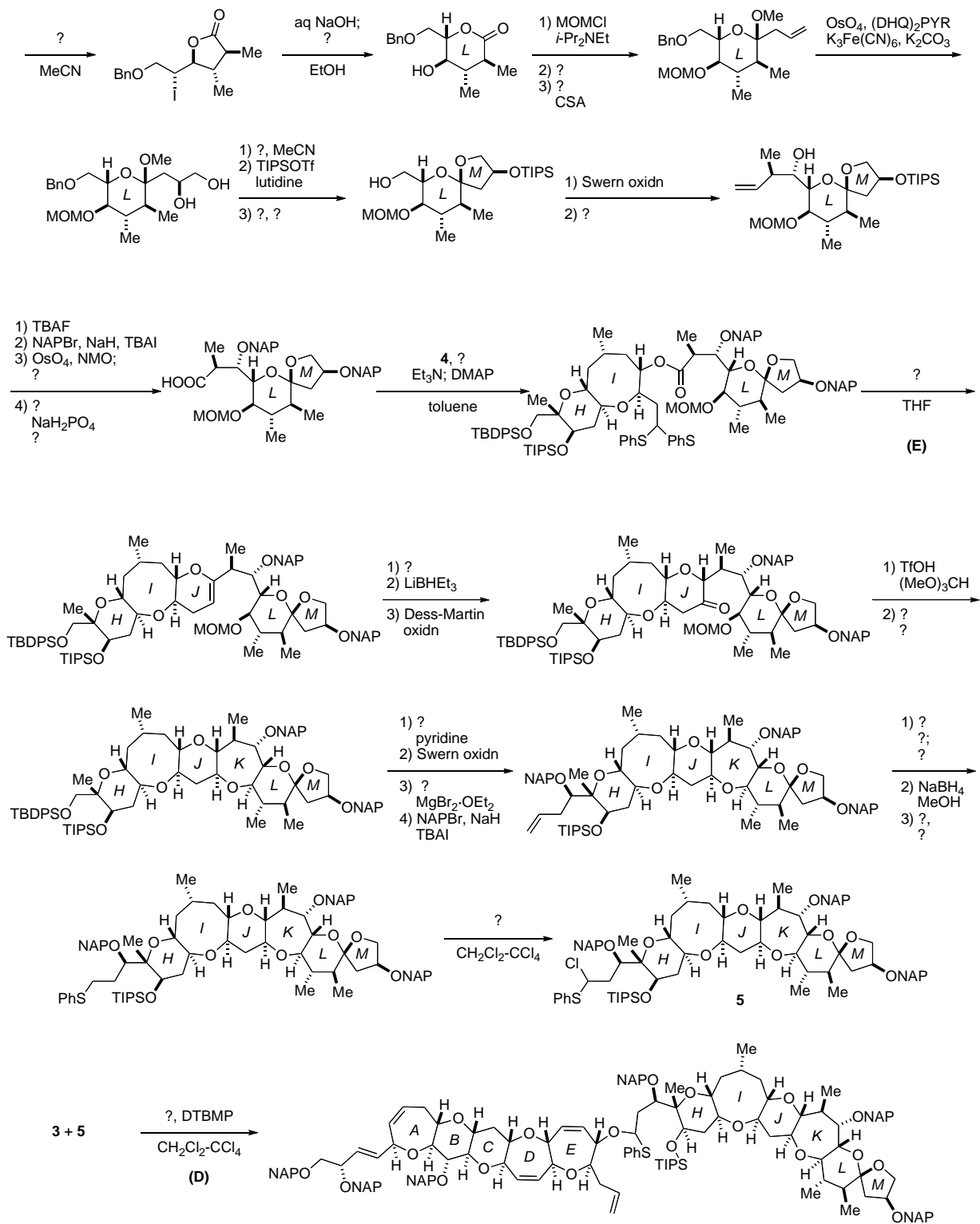
(A) ring-closing olefin metathesis, (B) stereoselective alkylation, (C) coupling of alkenyl borate, (D) O,S-acetal formation, (E) intramolecular carbonyl olefination, (F) stereoselective radical cyclization, (G) deprotection

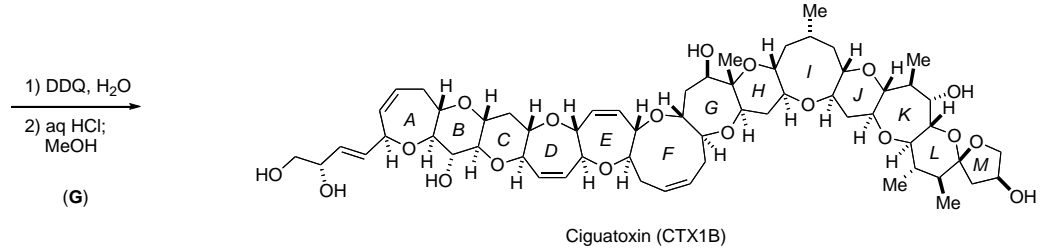
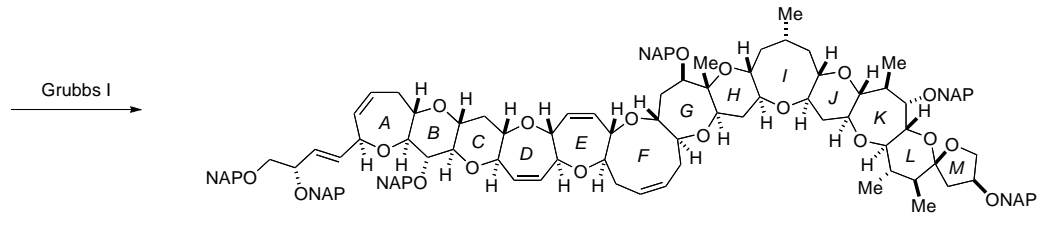
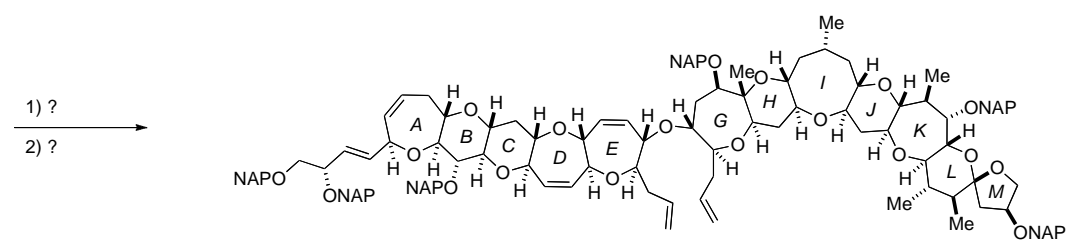
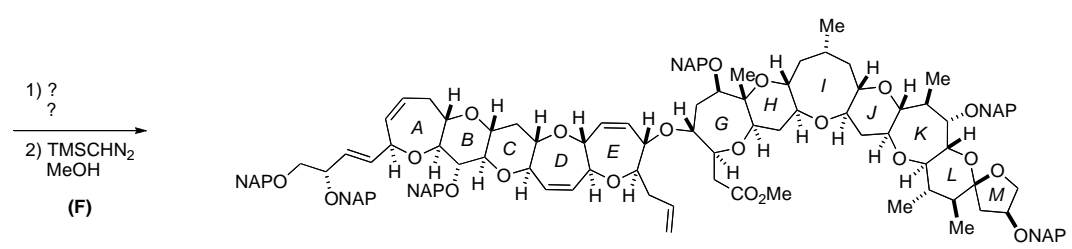
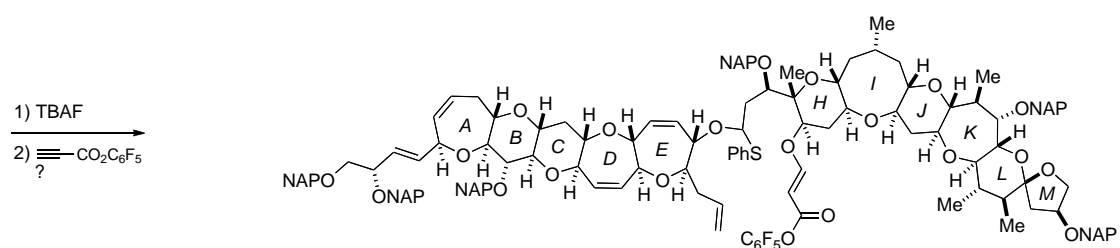


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