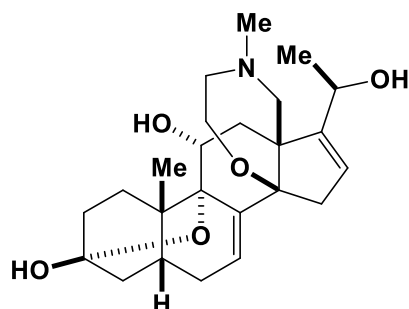


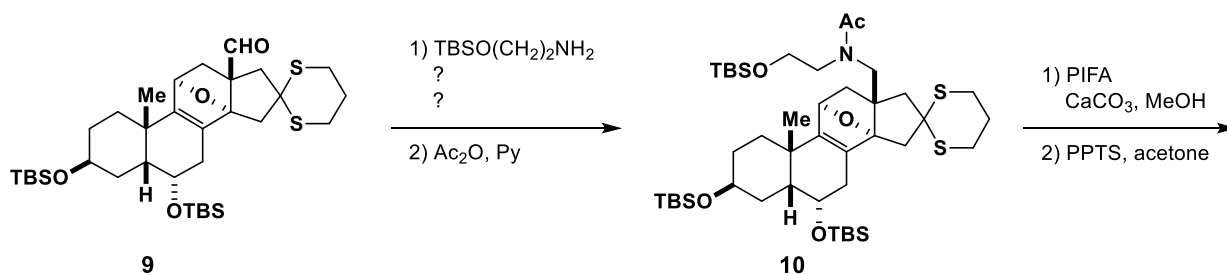
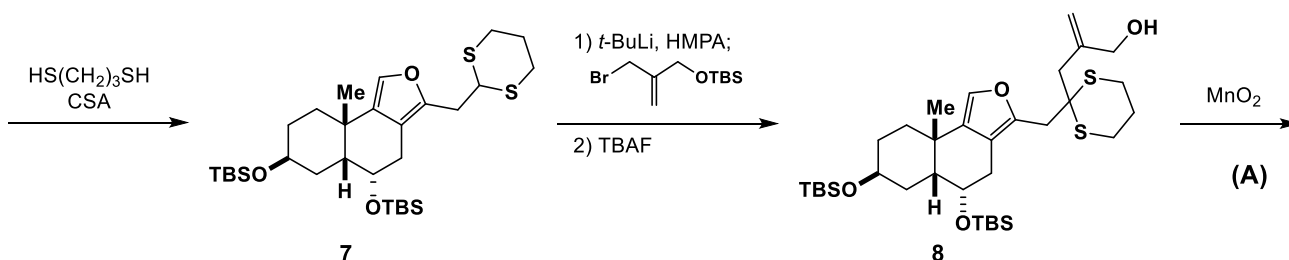
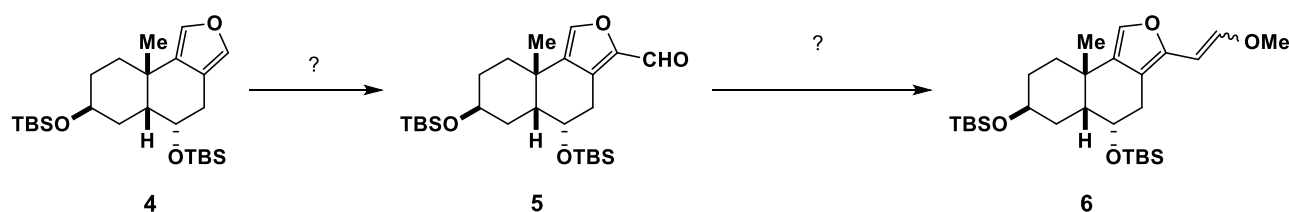
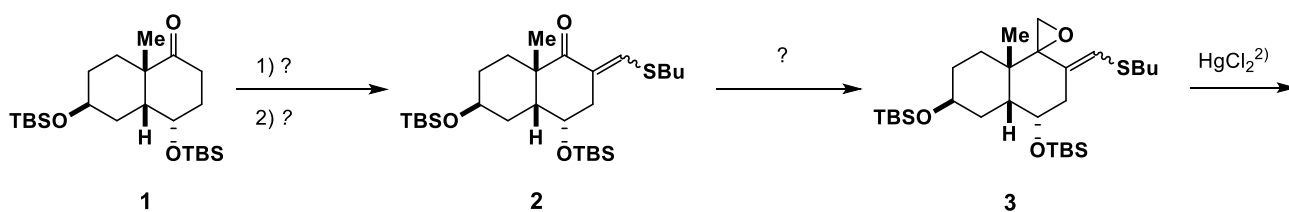
(±)-Batrachotoxinin A* (TKGP-181221)

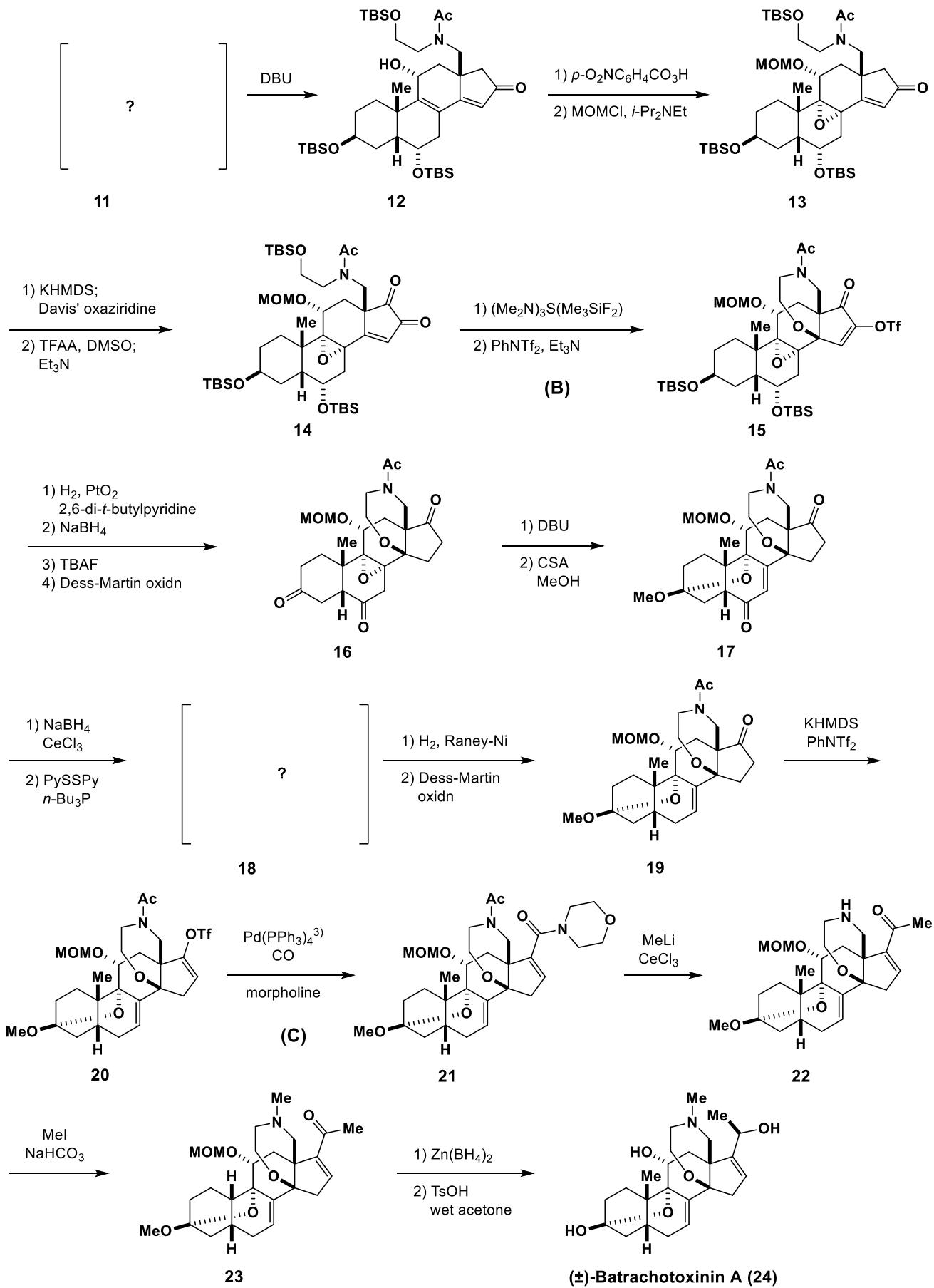
Yoshito Kishi¹⁾



Activities: Neurotoxin (an irreversible Na⁺-channel activator)

Key Reactions: A) Intramolecular Diels-Alder reaction B) Oxy-Michael addition
C) Pd-catalyzed carbonylation





- References: 1) Kurosu, M.; Marcin, L. R.; Grinsteiner, T. J.; Kishi, Y. *J. Am. Chem. Soc.* **1998**, *120*, 6627.
 2) Garst, M. E.; Spencer, T. A. *J. Am. Chem. Soc.* **1973**, *95*, 250.
 3) Cacchi, S.; Morera, E.; Ortar, G. *Tetrahedron Lett.* **1985**, *26*, 1109.