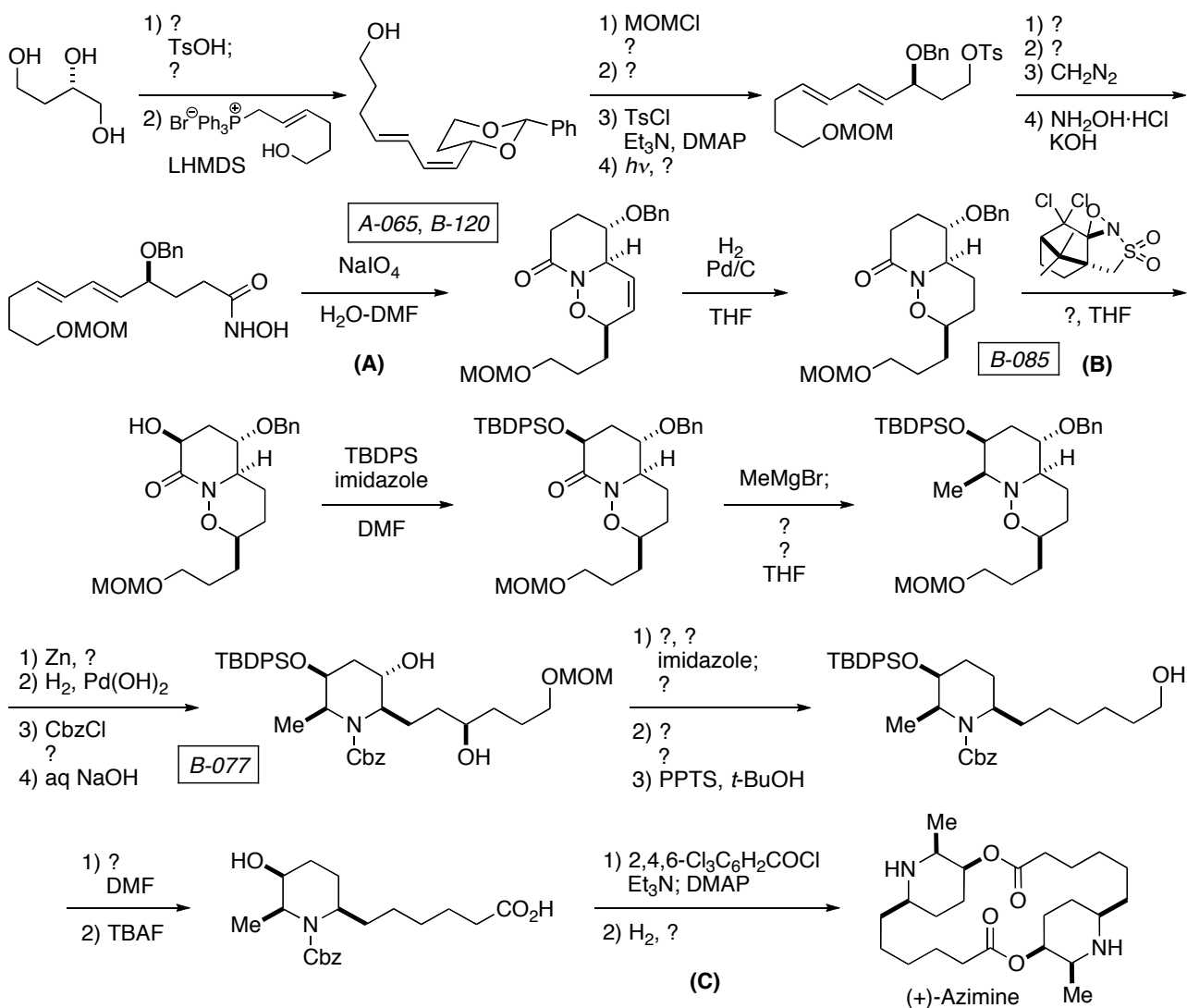


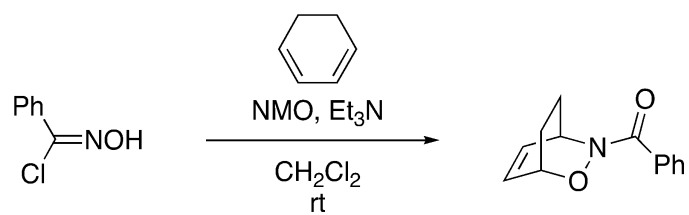
(+)-Azimine (TKGP-210528)		S. Aoyagi ¹⁾
Activity	Antitumor (抗腫瘍活性)	
Key Reactions	(A) intramolecular acylnitroso-Diels-Alder reaction, (B) Davis oxidation, (C) Yamaguchi macrolactonization	



Reference:

- 1) T. Sato, S. Aoyagi, C. Kibayashi, *Org. Lett.*, **5**, 3839 (2003)

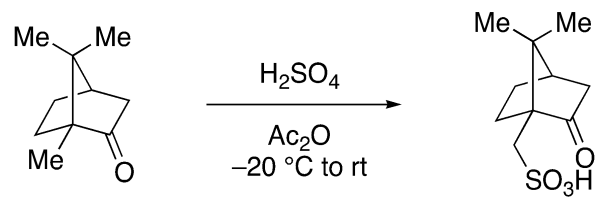
B120 □□□



A: Elimination of chloride ion is facilitated by the formation of an oxime anion. **B:** Addition of NMO to the nitrile oxide. **C:** Generation of an acylnitroso compound. **D:** Hetero-Diels-Alder reaction.

B085

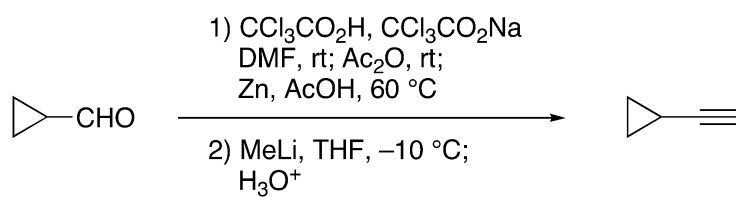
□□□



A: Generation of SO_3 . **B:** Wagner-Meerwein-type rearrangement. **C:** Sulfonation of the olefin to form a stable tertiary carbocation.

B077

□□□



A: $\text{pK}_a: \text{CHCl}_3 = 13.6$. **B:** Reduction with Zn to form a *gem*-dichloroolefin. **C:** Corey-Fuchs-type alkylation

(ref B049)