

Total Number of Papers Published: 2183

Most Cited Papers

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pp 7512-7516 **Times Cited: 1184**

NUZZO RG, ALLARA DL

[ADSORPTION OF BIFUNCTIONAL ORGANIC DISULFIDES ON GOLD SURFACES](#)

pp 4481-4483 **Times Cited: 1084**

PULAY P, FOGARASI G, PONGOR G, et al.

[COMBINATION OF THEORETICAL ABINITIO AND EXPERIMENTAL INFORMATION TO OBTAIN RELIABLE HARMONIC FORCE-CONSTANTS - SCALD QUANTUM-MECHANICAL \(SQM\) FORCE-FIELDS FOR GLYOXAL, ACROLEIN, BUTADIENE, FORMALDEHYDE, AND ETHYLENE](#)

pp 7037-7047 **Times Cited: 681**

TAM JP, HEATH WF, MERRIFIELD RB

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pp 6442-6455 **Times Cited: 593**

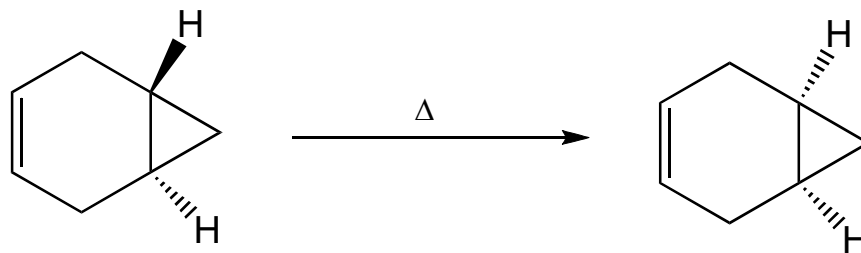
WEBSTER OW, HERTLER WR, SOGAHDY, et al.

[GROUP-TRANSFER POLYMERIZATION .1. A NEW CONCEPT FOR ADDITION POLYMERIZATION WITH ORGANO-SILICON INITIATORS](#)

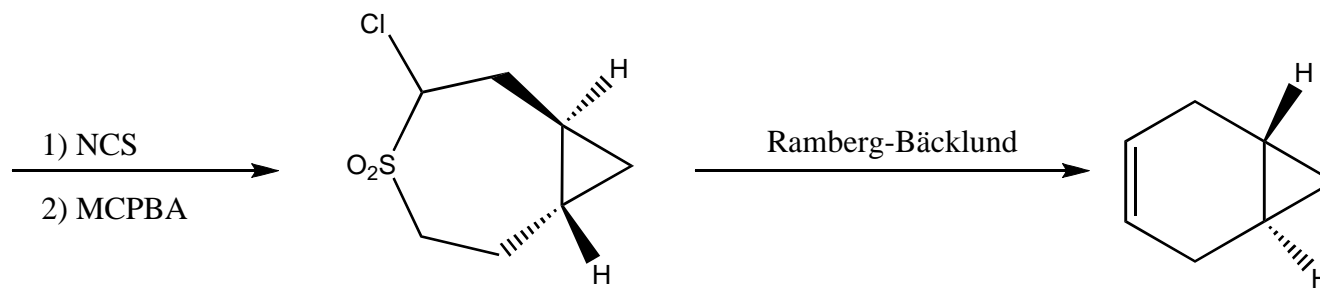
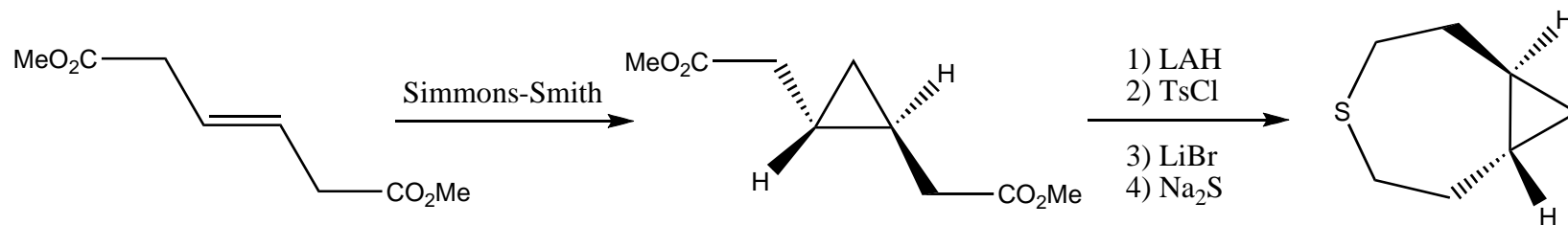
pp 5706-5708 **Times Cited: 589**

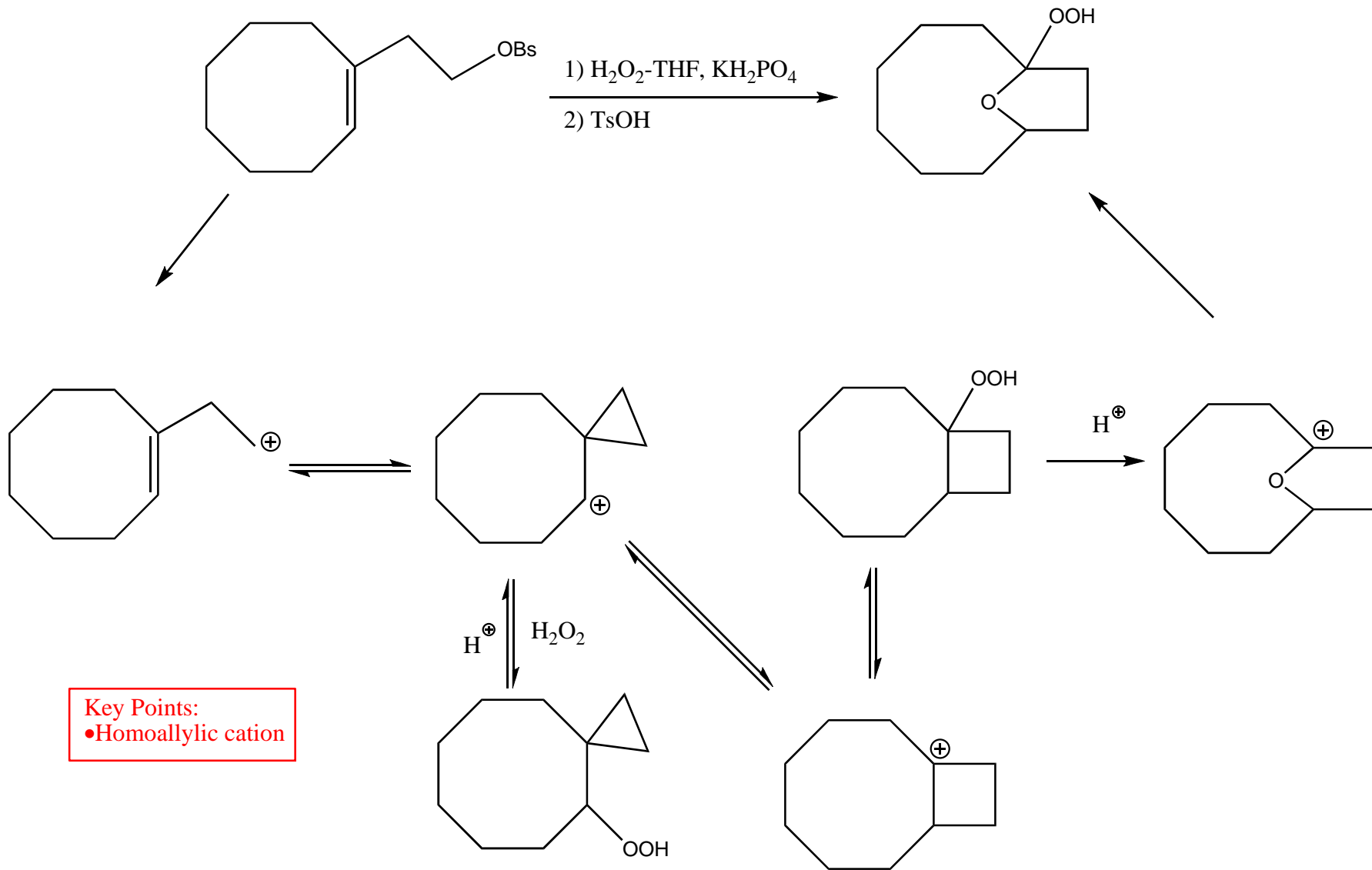
Most Prolific Authors

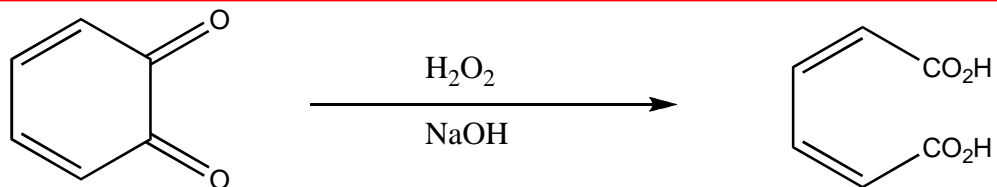
PAQUETTE, LA (15); TROST, BM (15); SMITH, PAS (12); HUFFMAN, JC (11); SMITH, MCW (10); ATWOOD, JL (9); BRUCE, TC (9); COTTON, FA (9); GRAY, HB (9); NAKANISHI, K (9); SCHAEFER, HF (9); WRIGHTON, MS (9); BERGMAN, RG (8); BRESLOW, R (8); COLLMAN, JP (8); MATSUURA, T (8); OLMSTEAD, MM (8); PRYOR, WA (8); SCAIANO, JC (8)



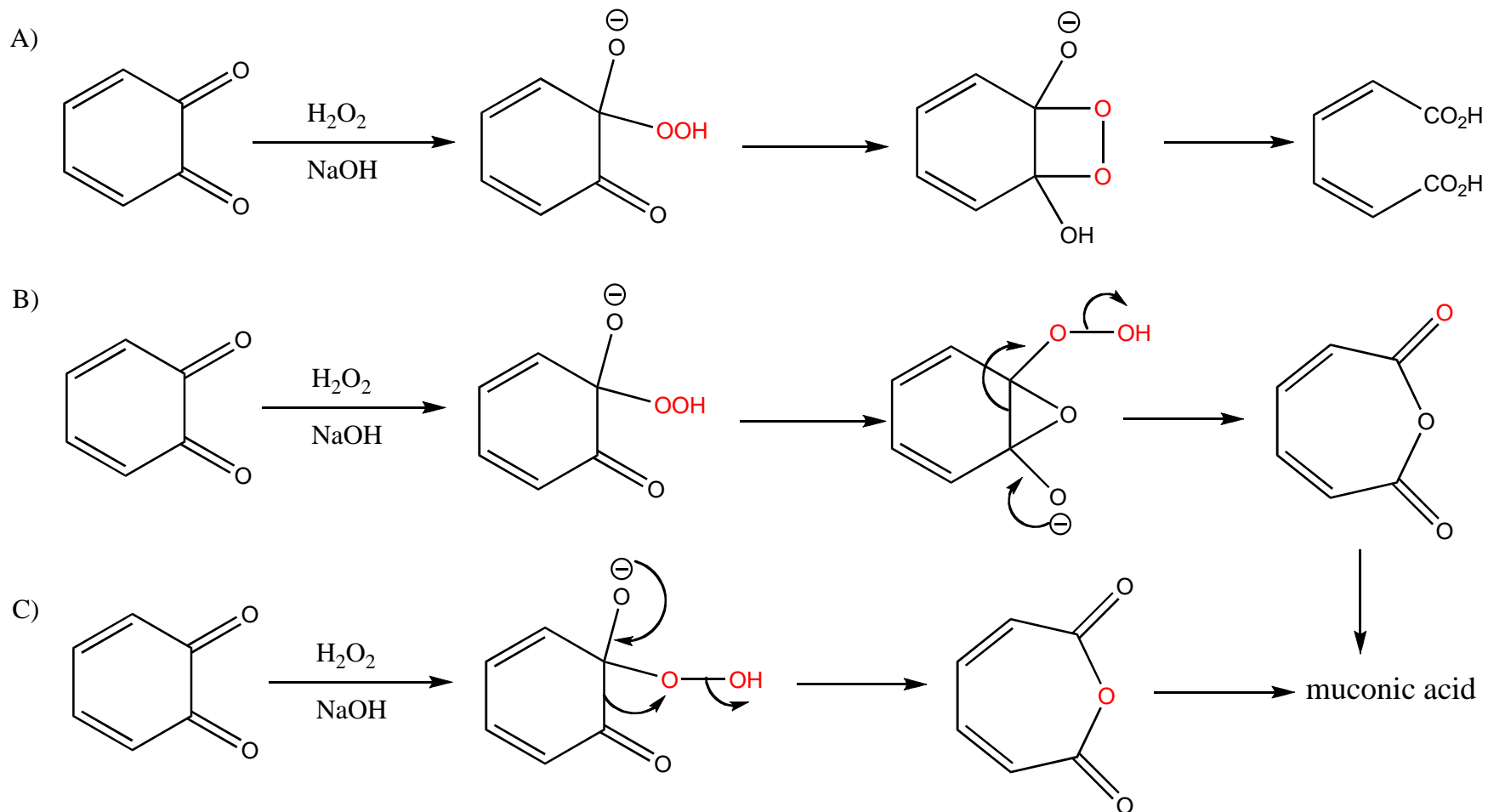
Key Points:
• Transcyclopropane

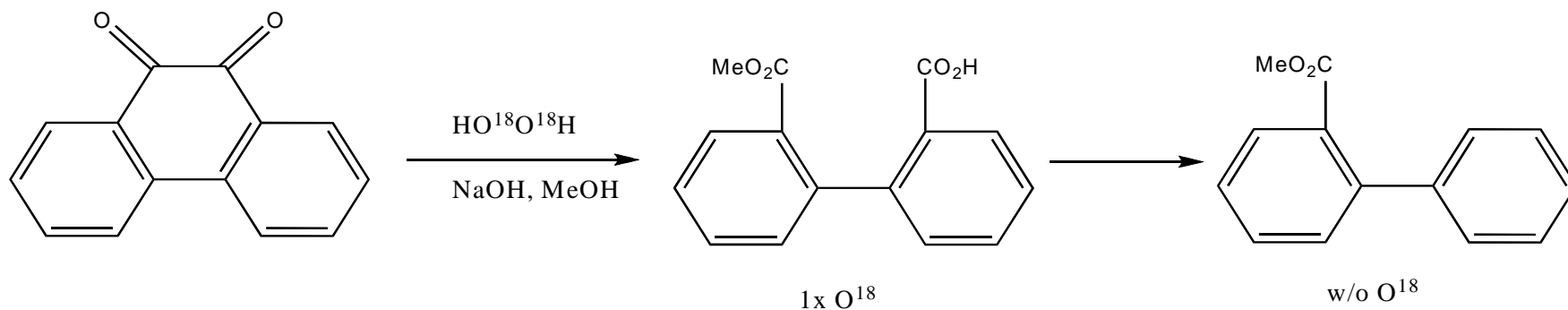




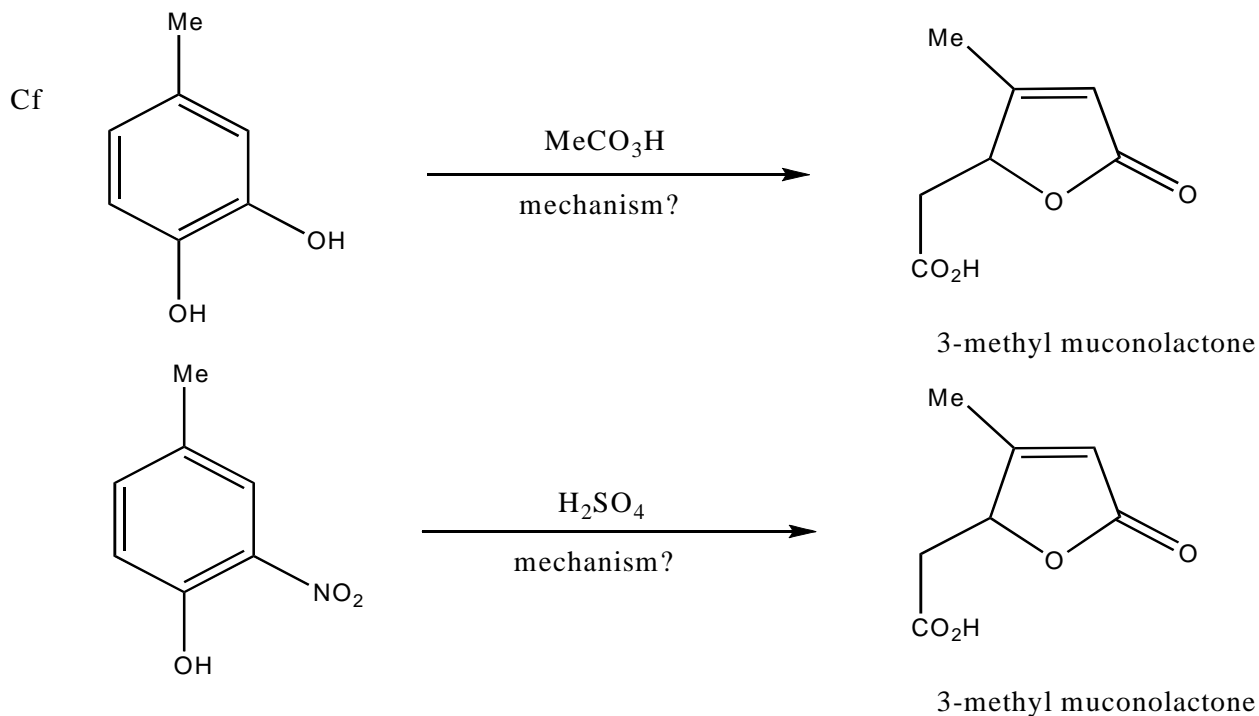


Mechanisms



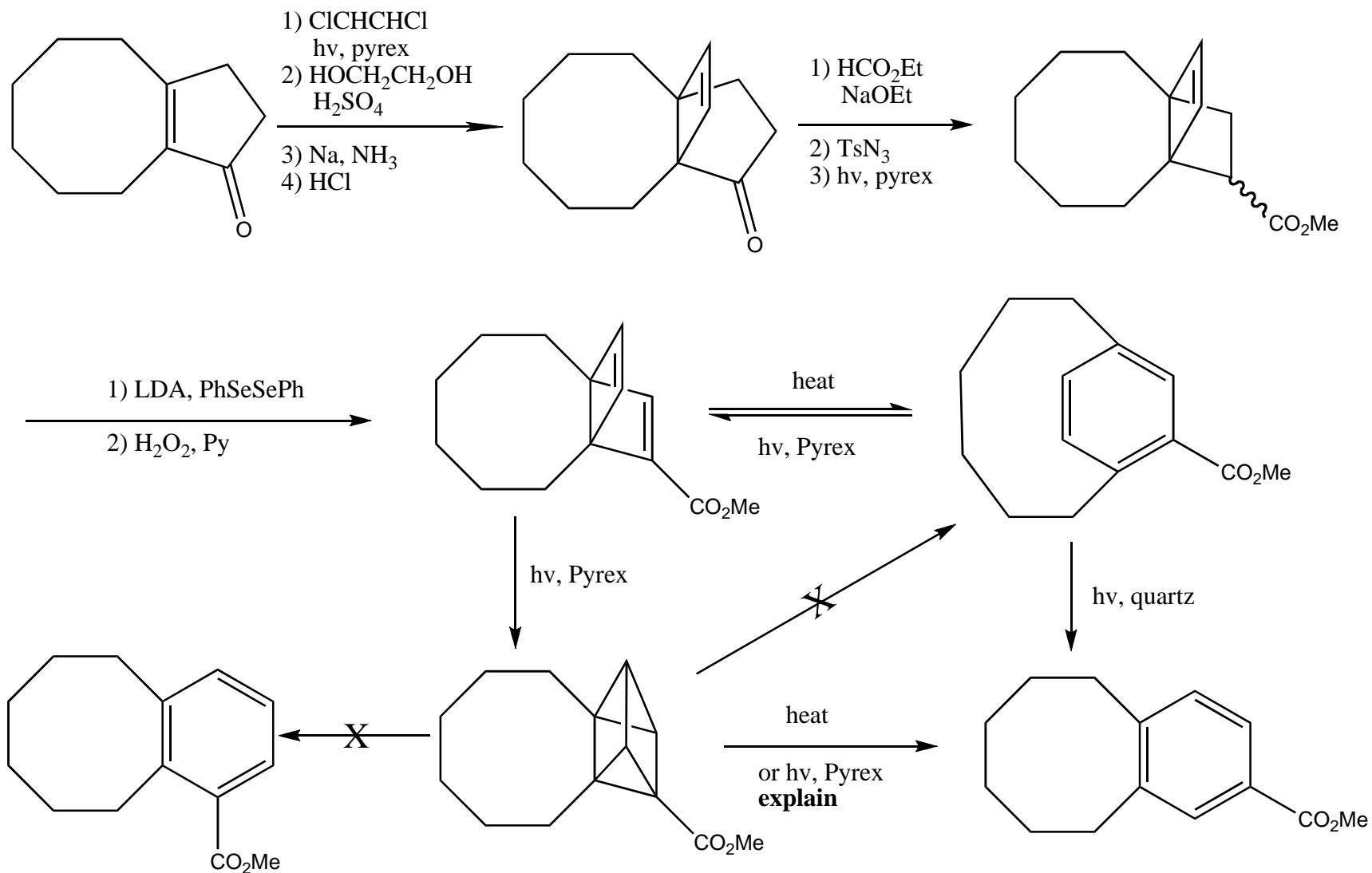


avored mechanism C



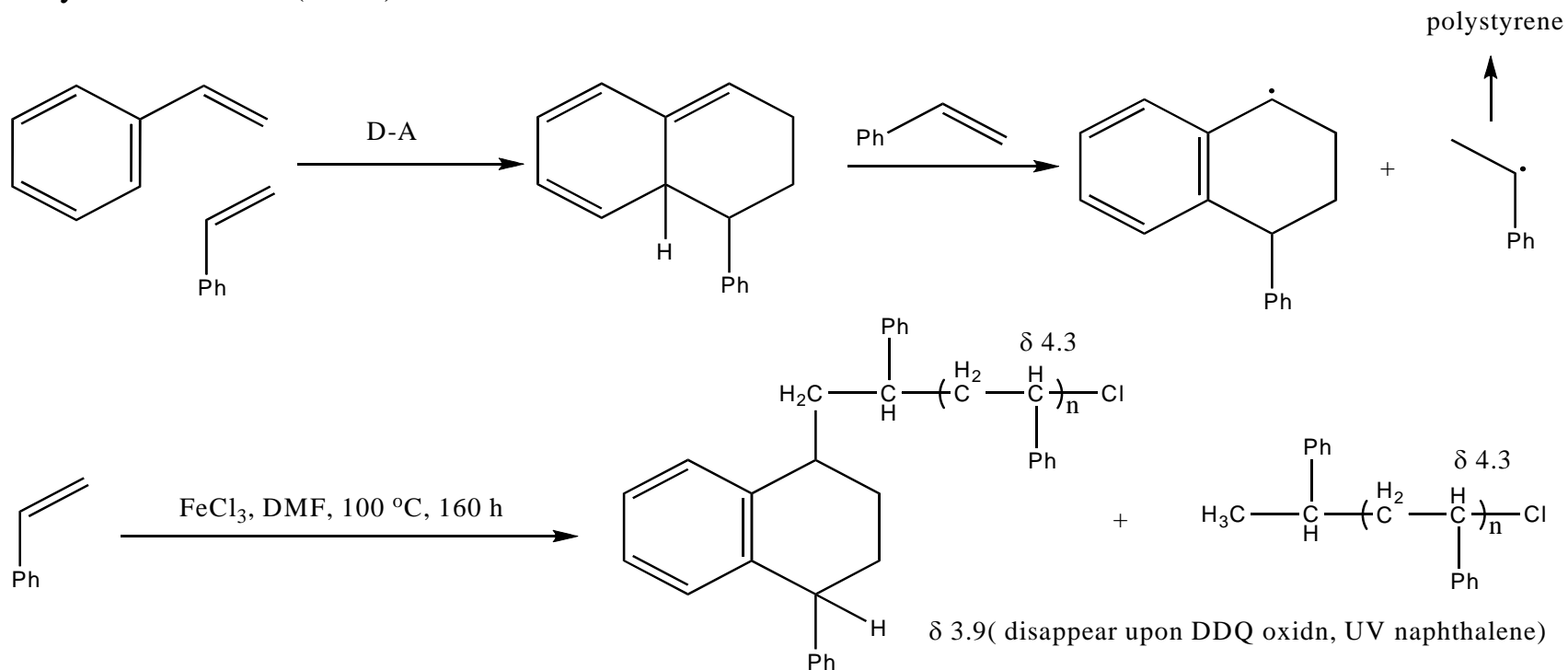
Yoshito Tobe(paracyclophane)

June 30, 2006

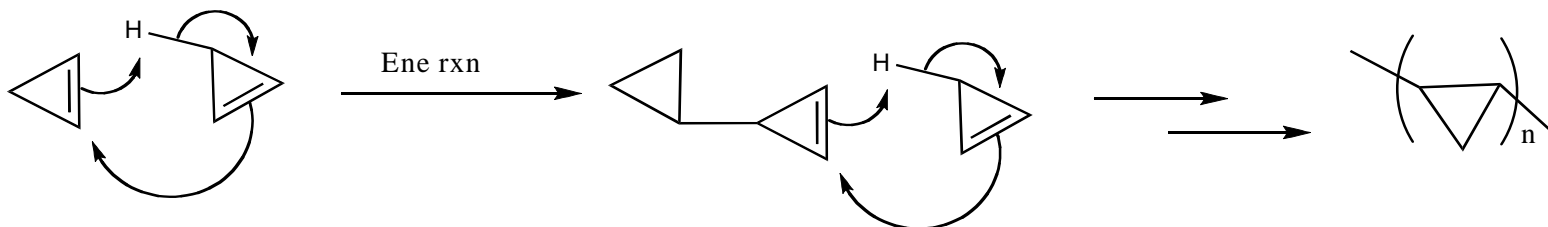


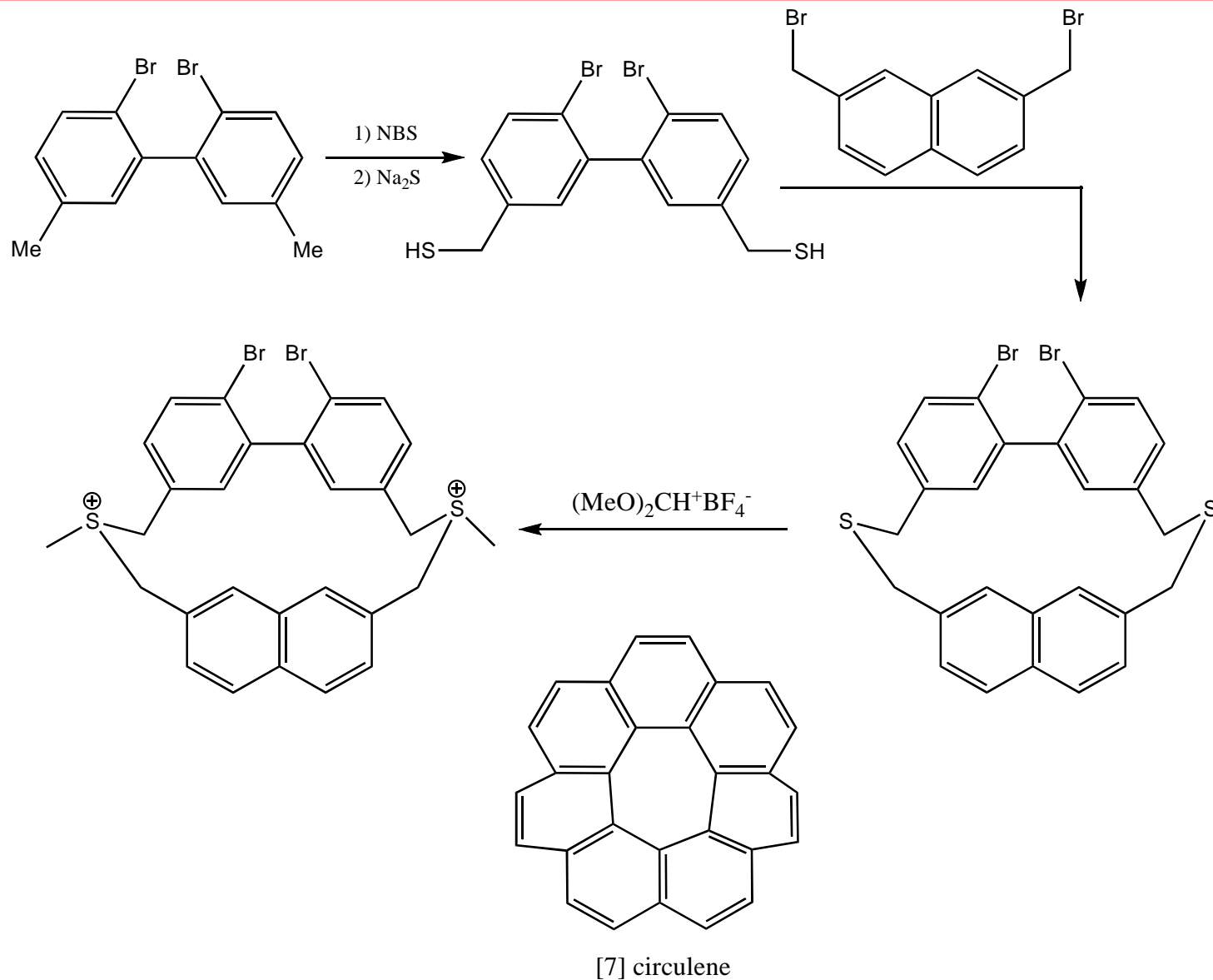
Thermal Polymerization of Styrene

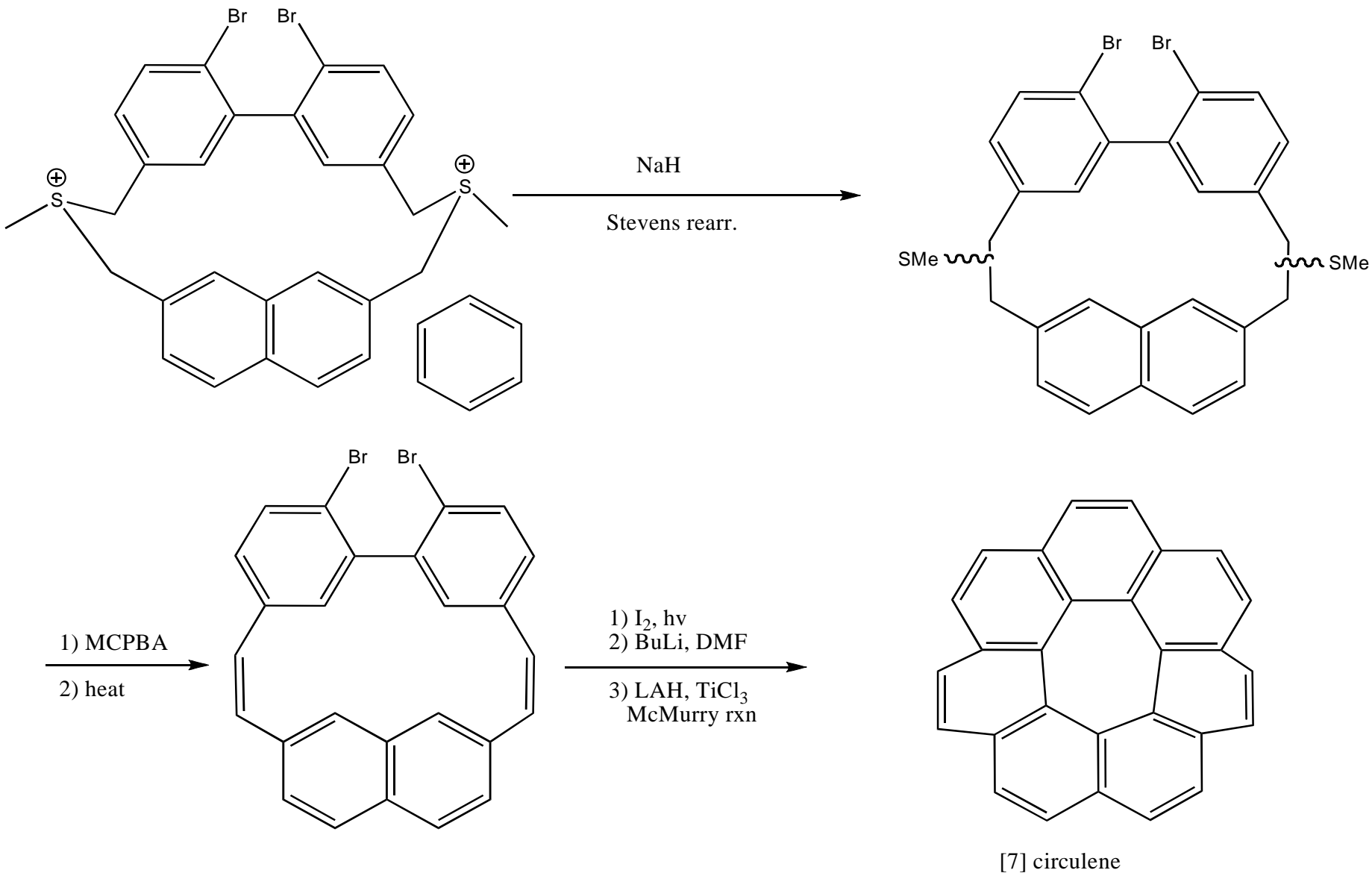
Mayo Mechanism(1961)



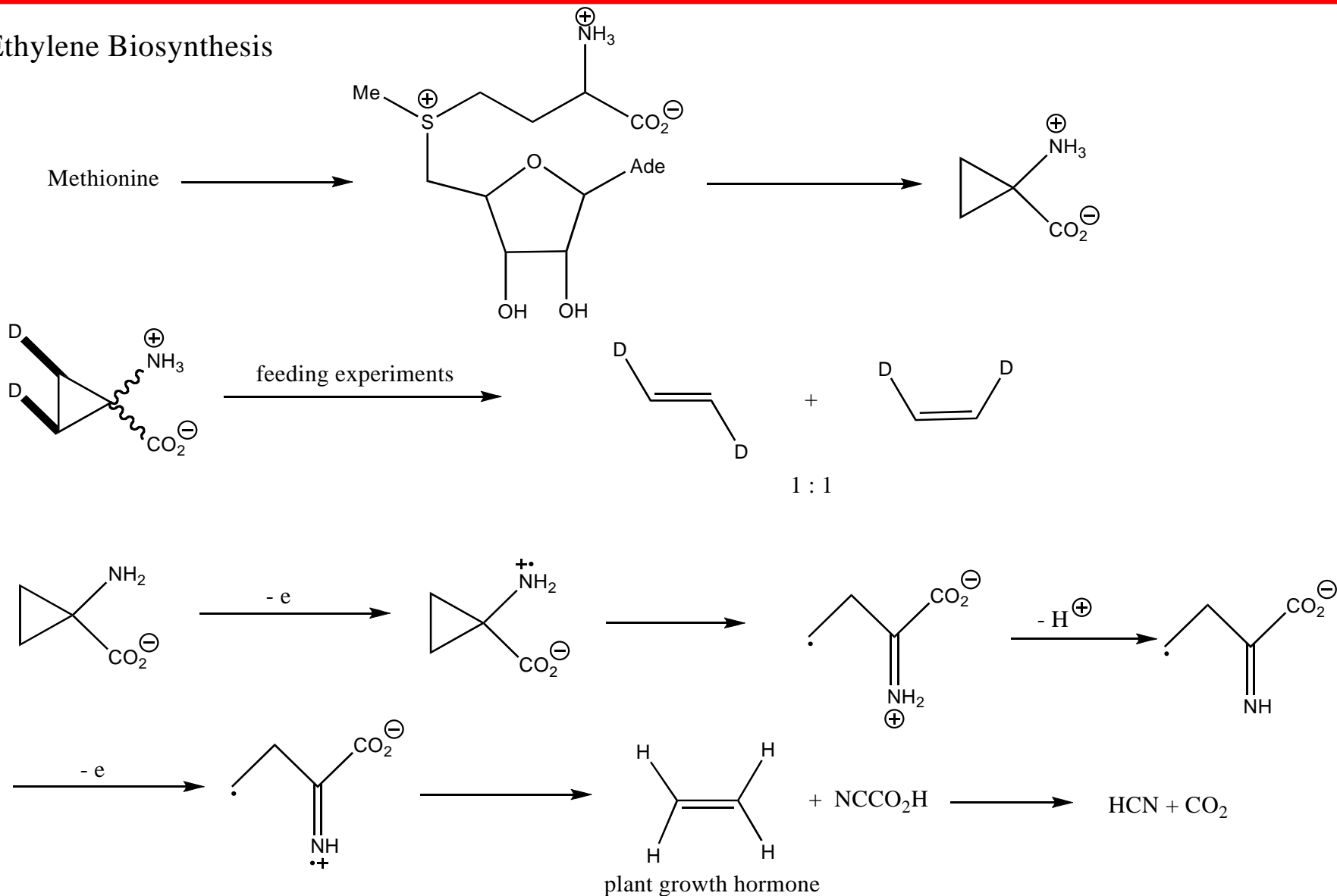
Cf Polymerization of Cyclopropene

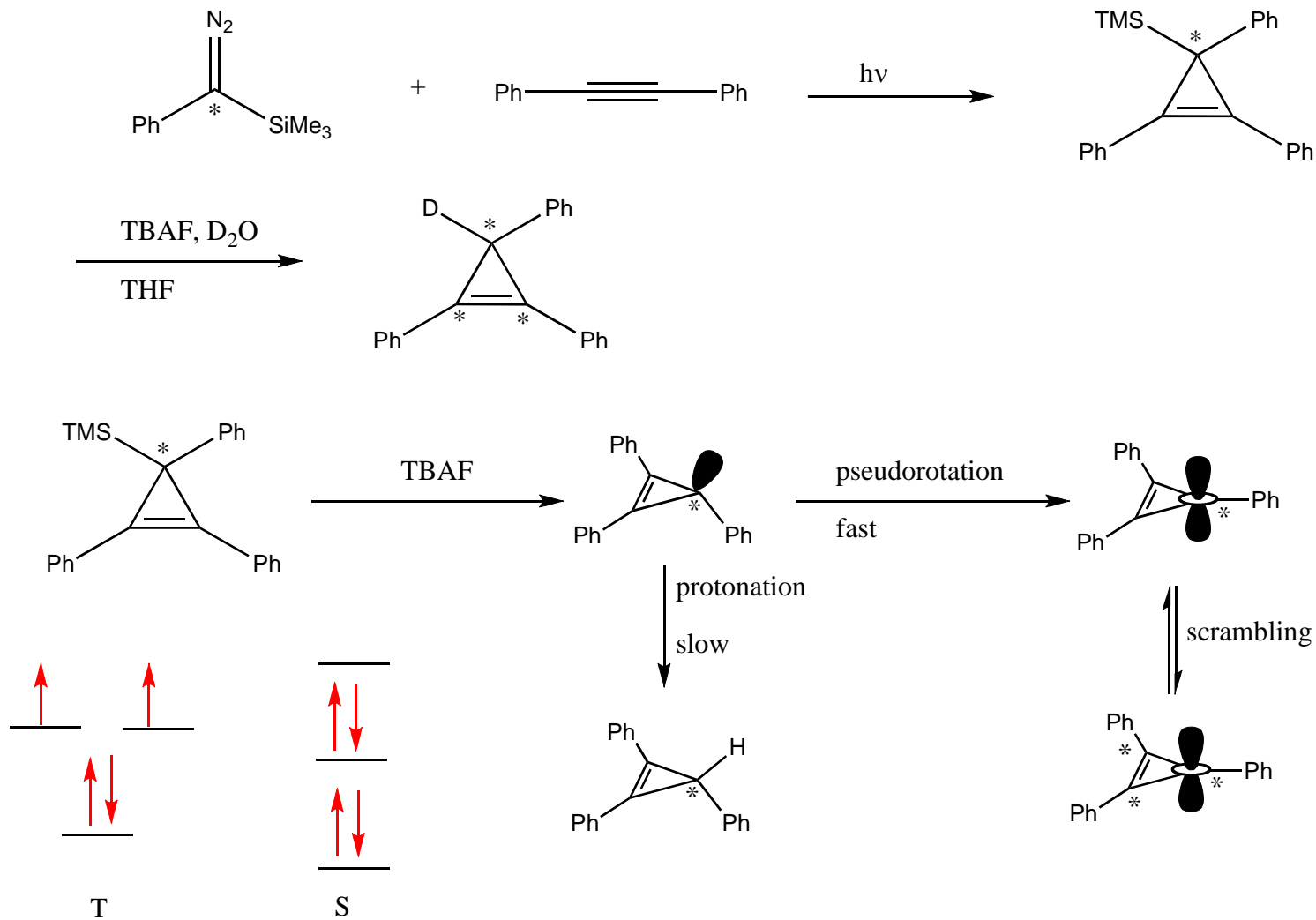




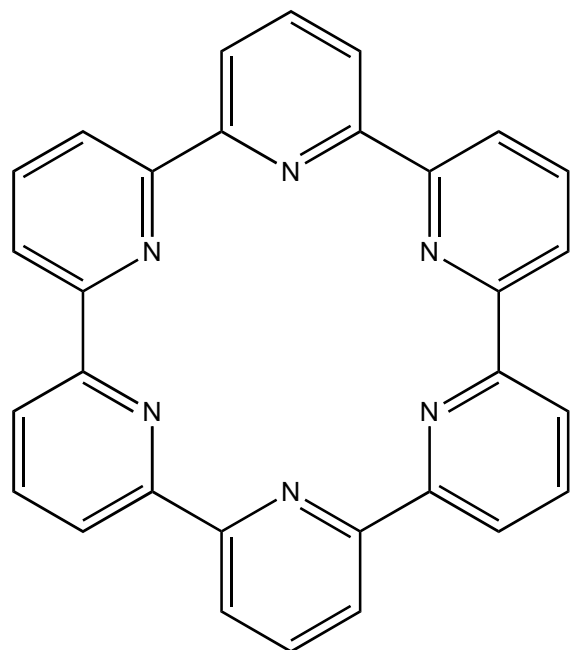
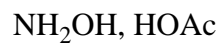
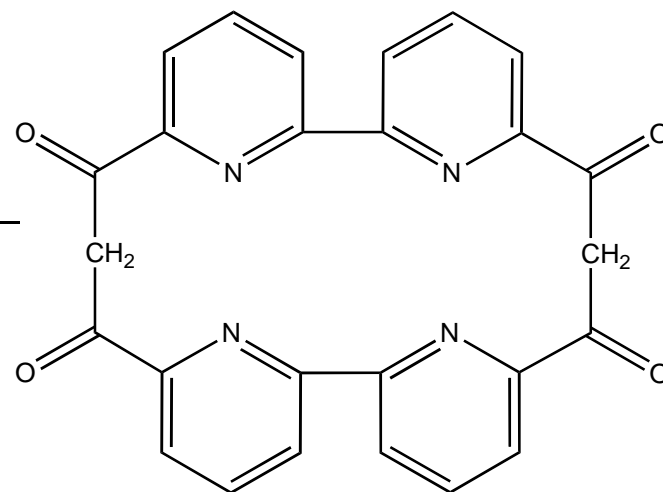
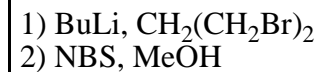
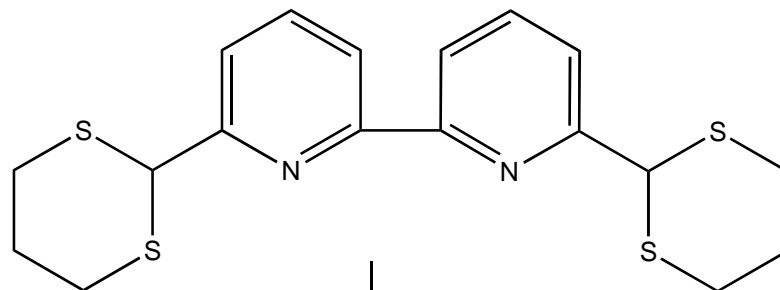
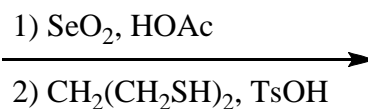
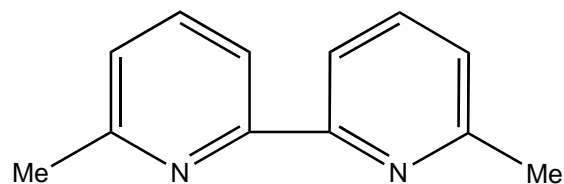


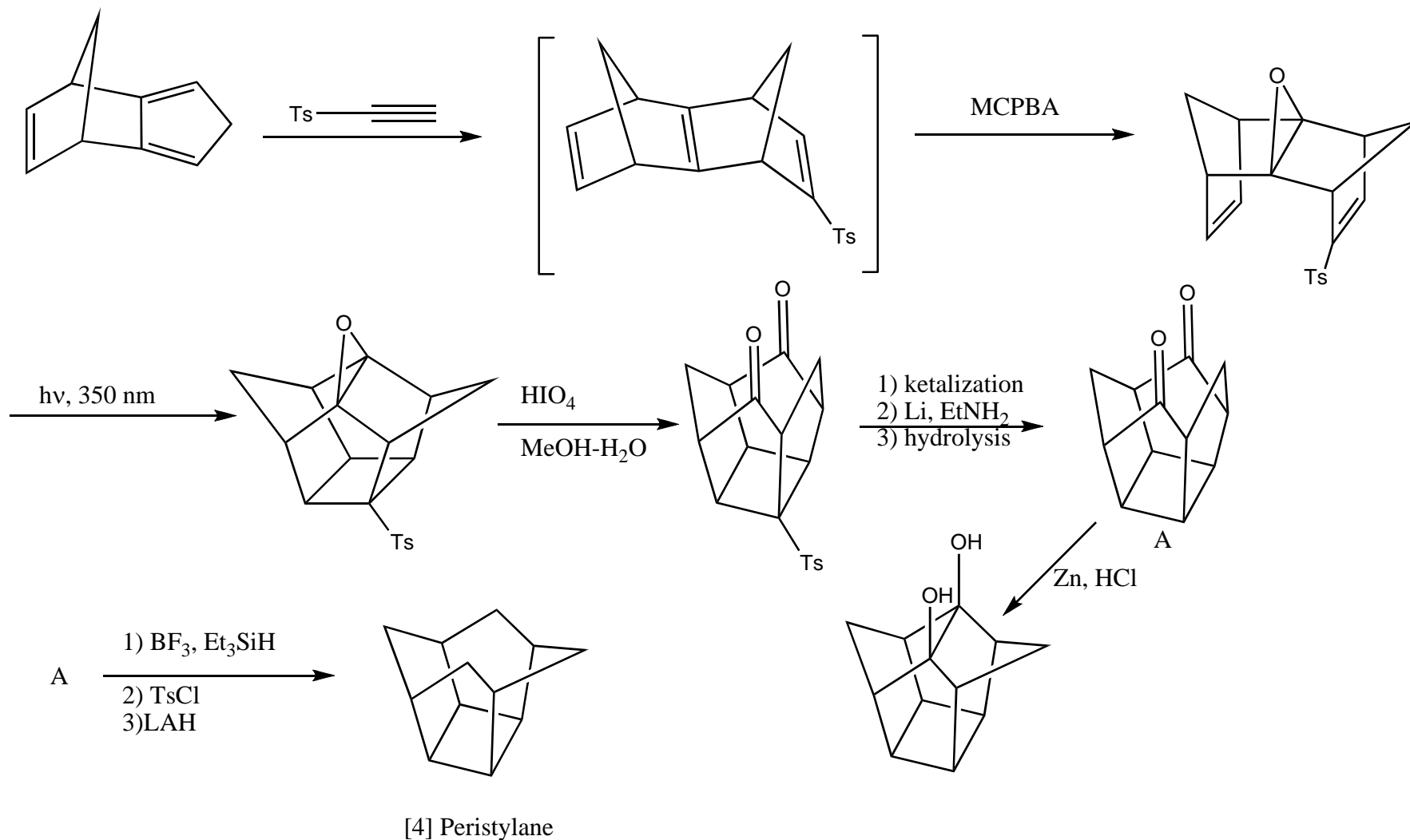
Ethylene Biosynthesis

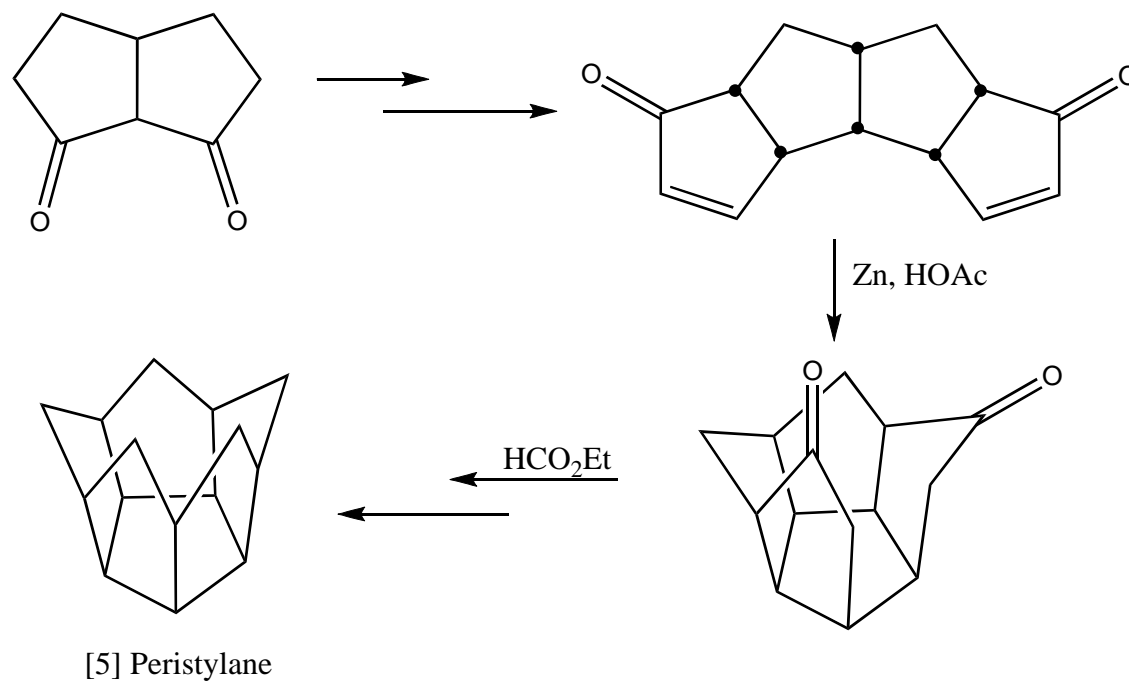
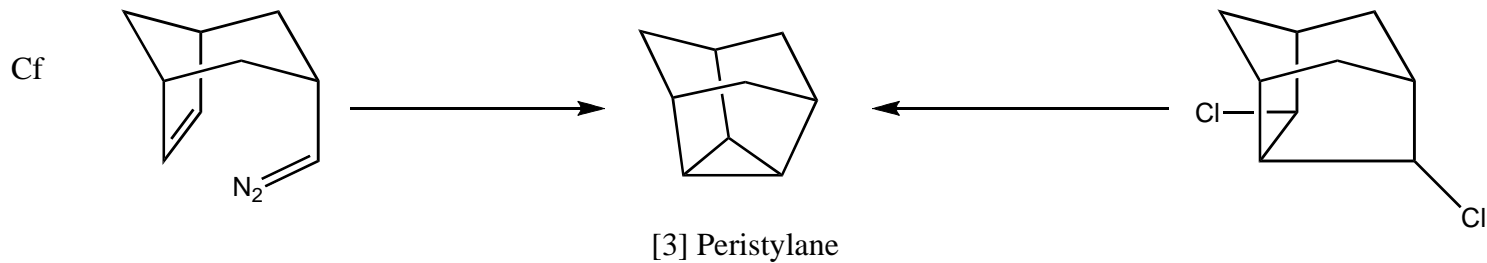


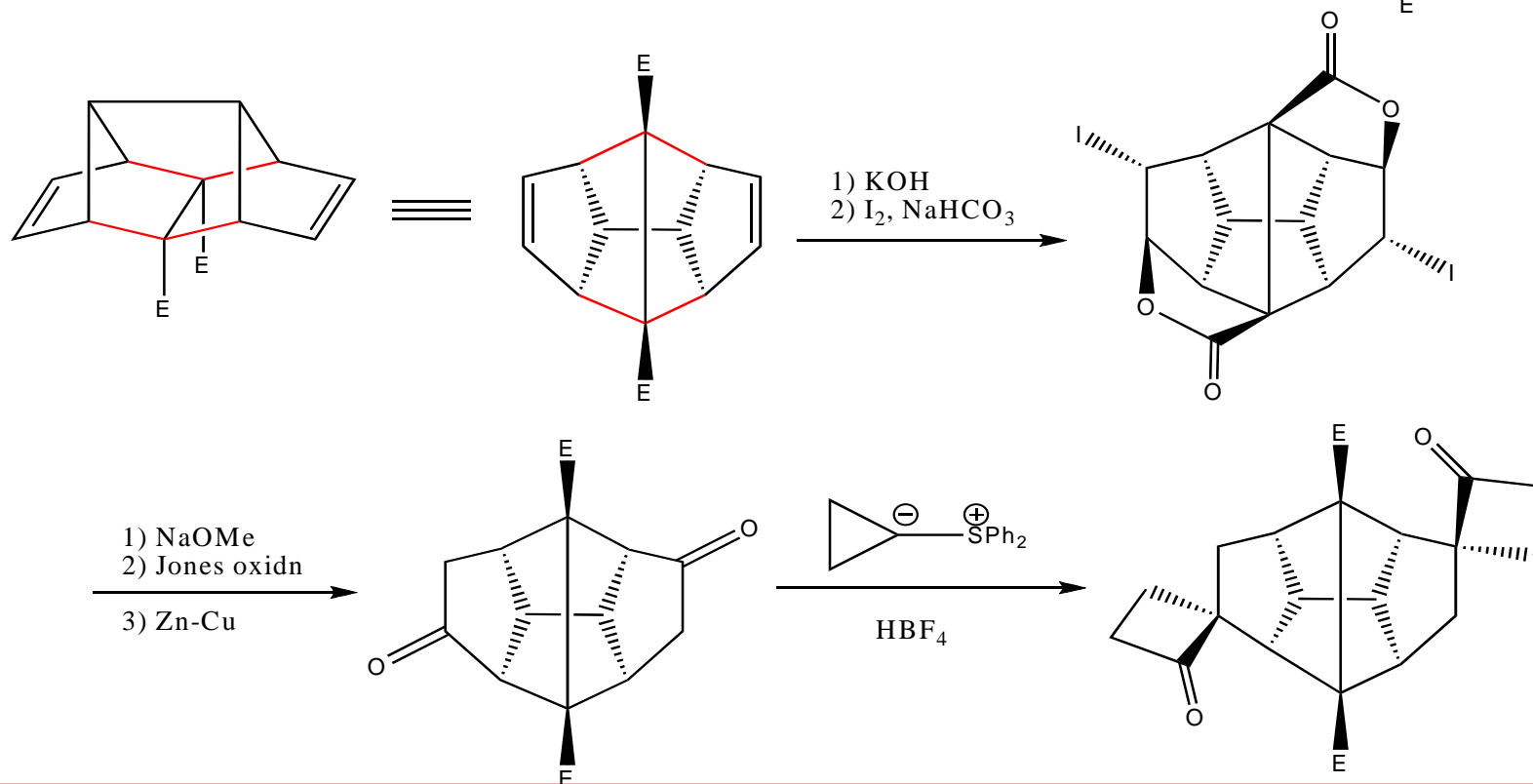
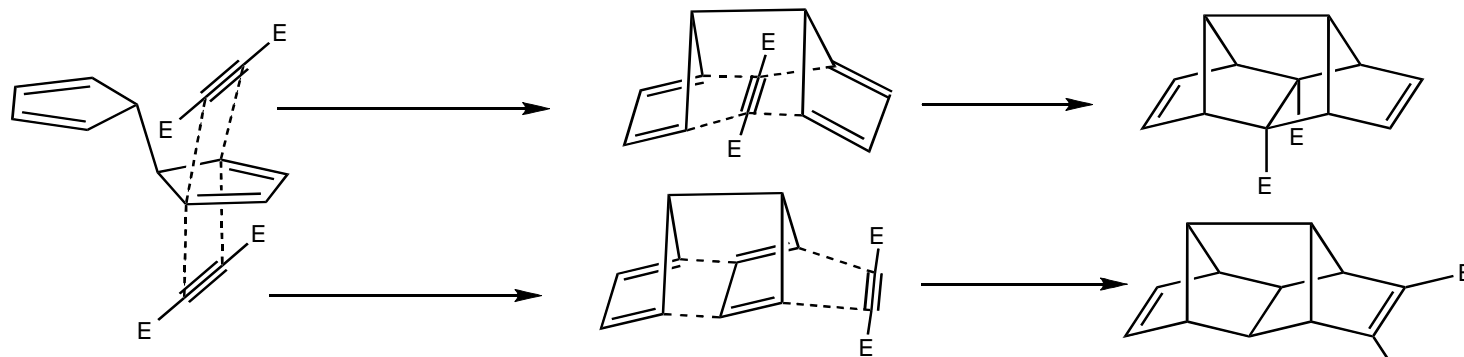


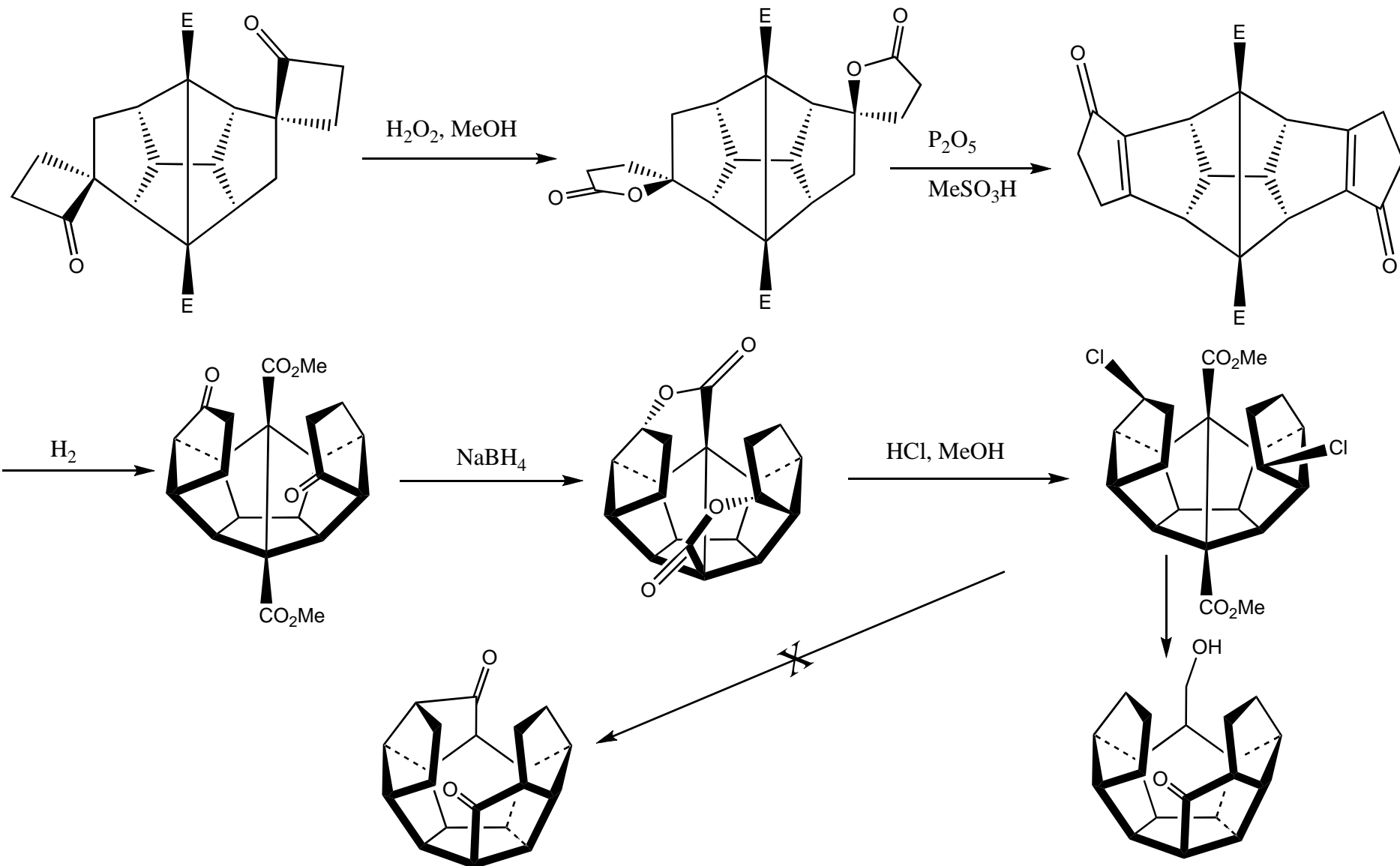
"Sexy pyridine?"

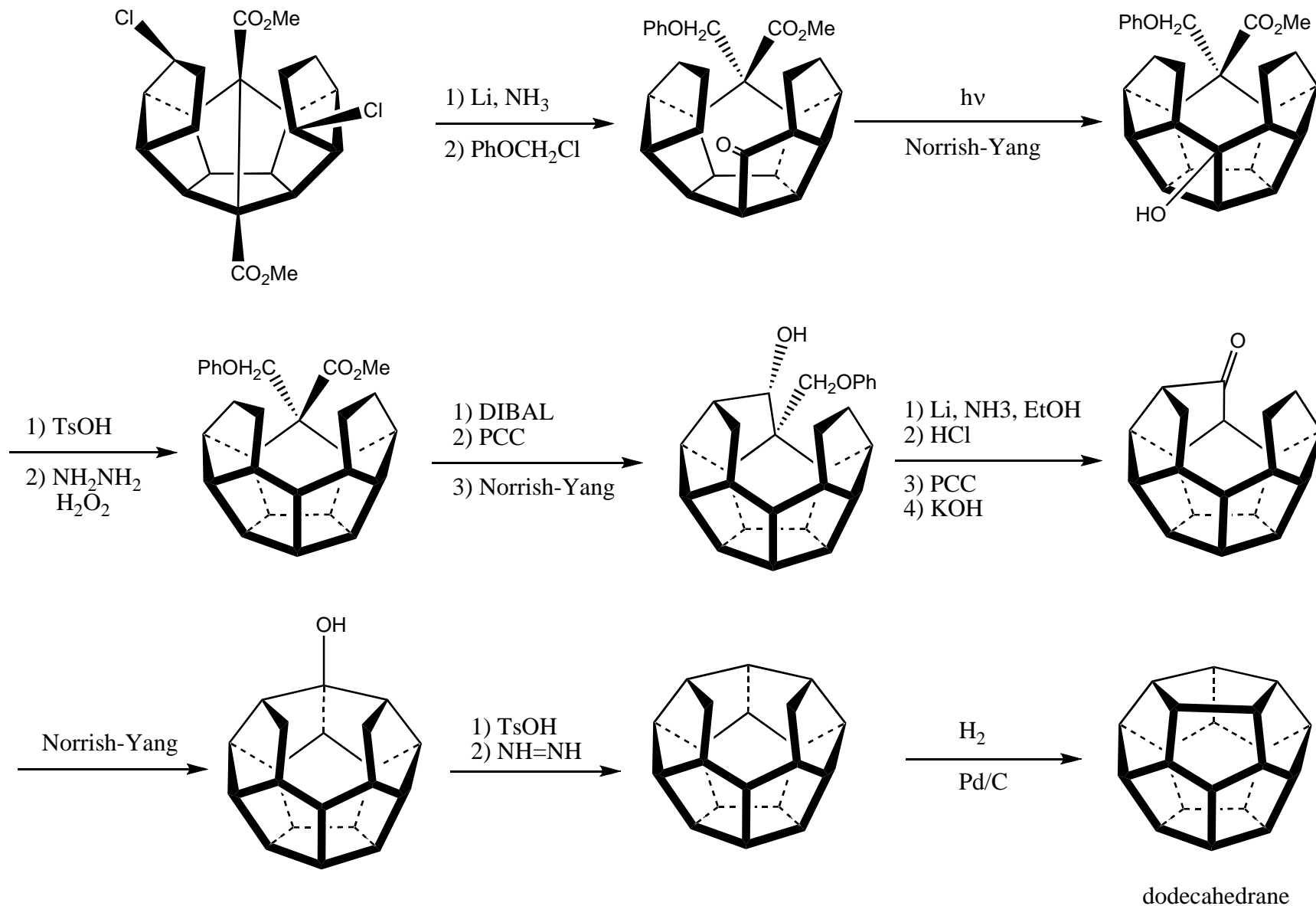




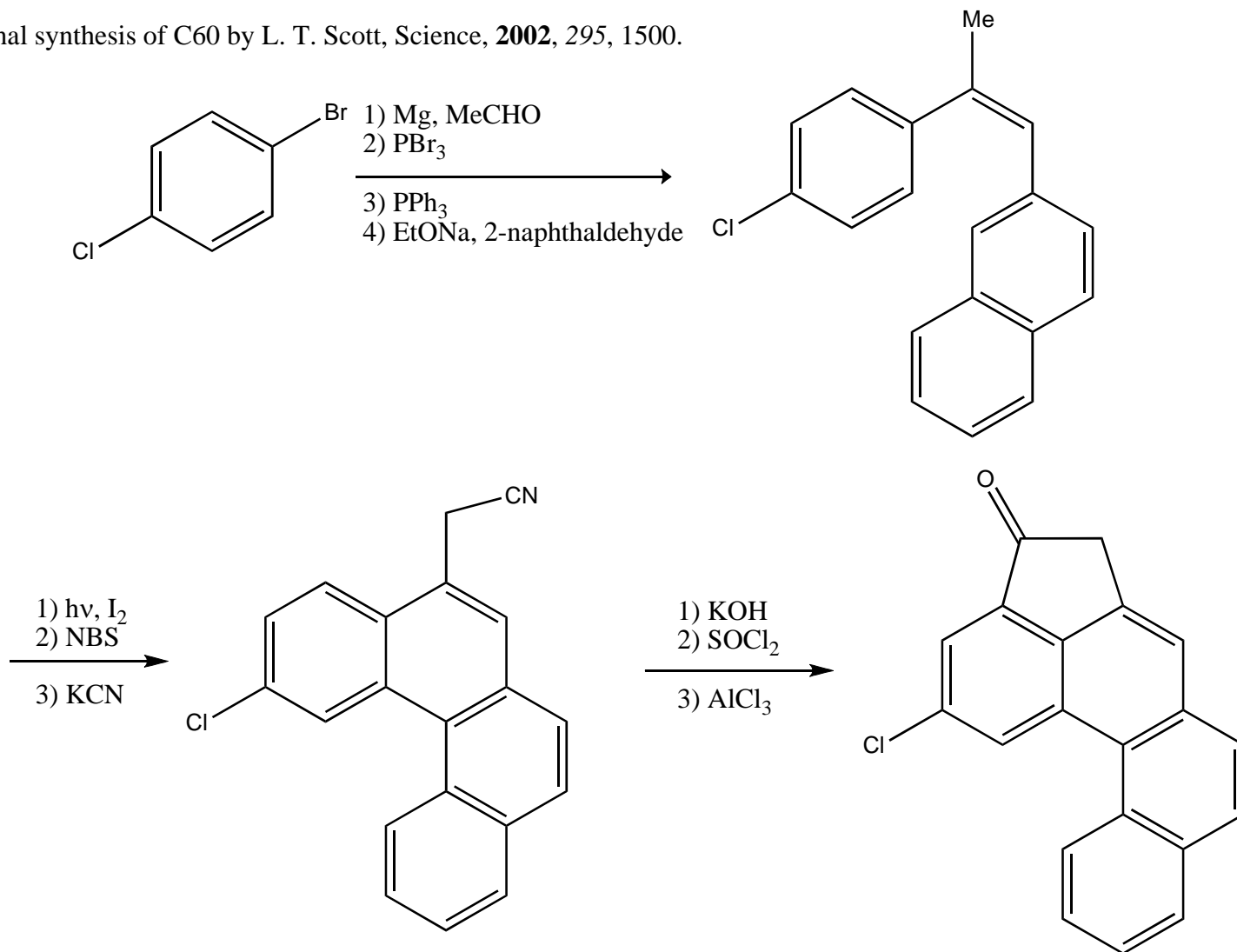




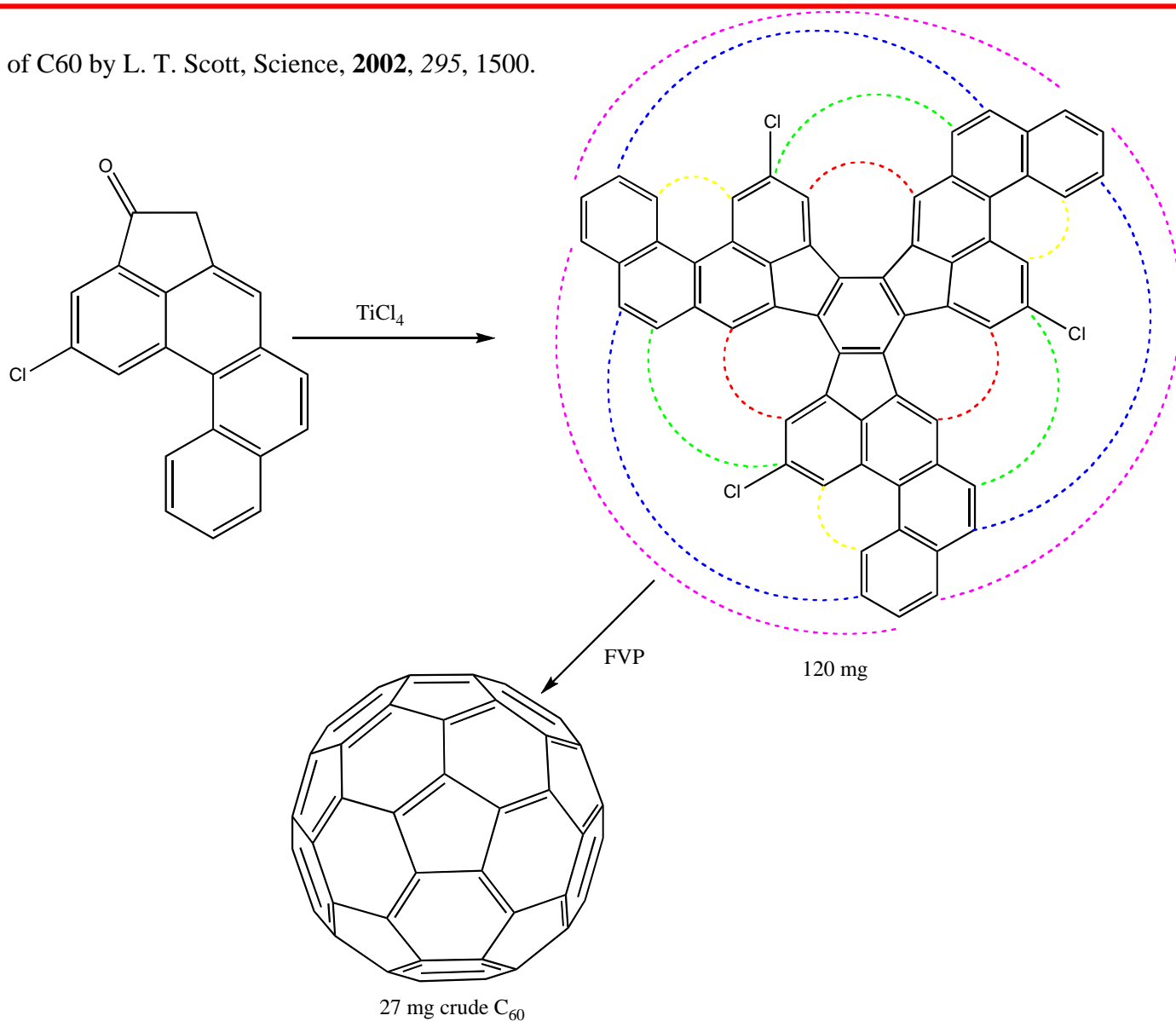


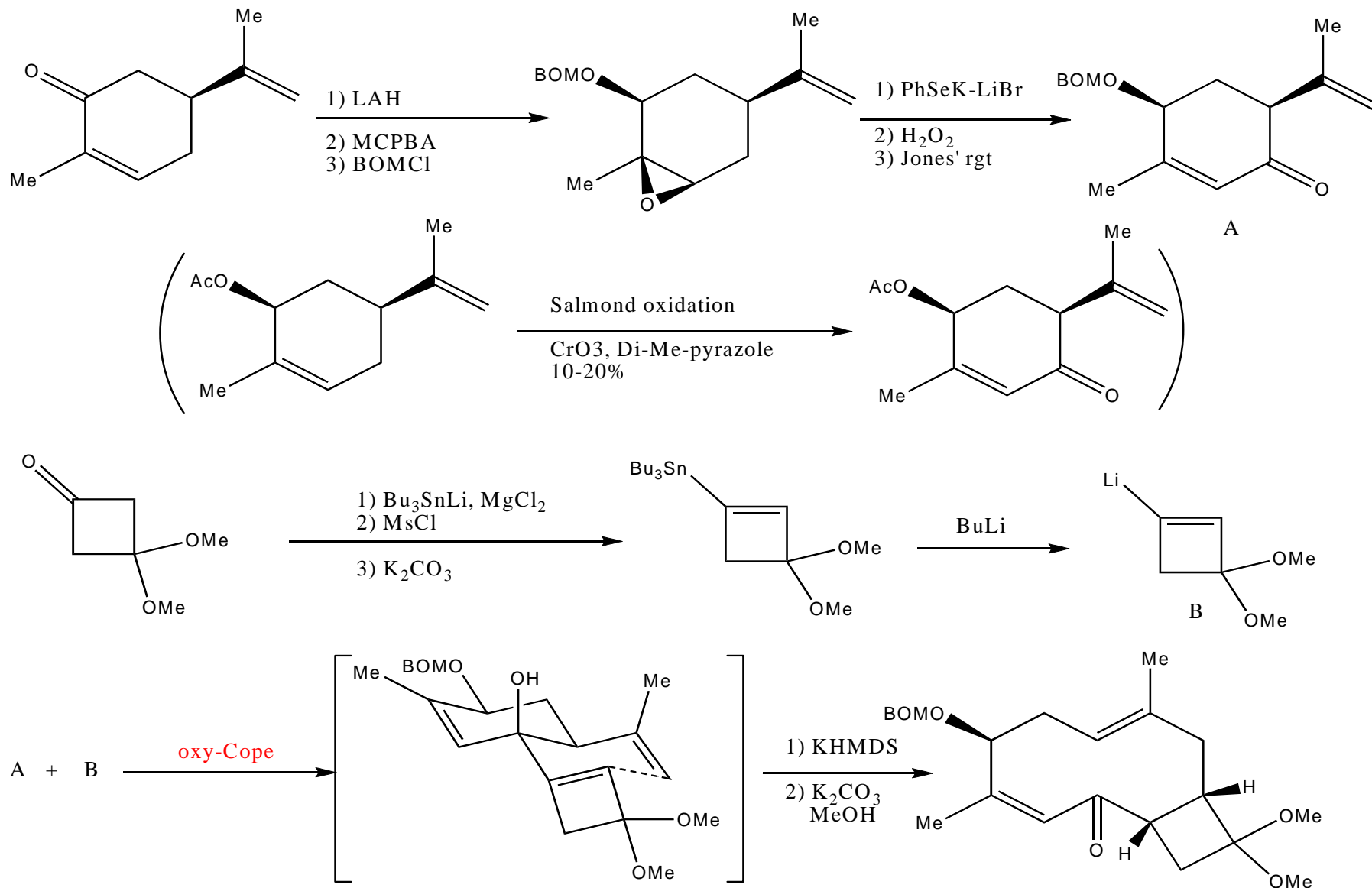


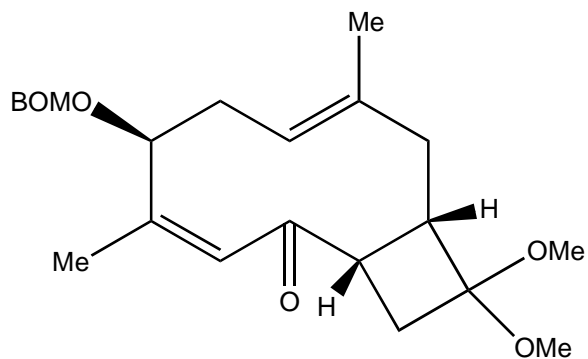
Cf: A rational synthesis of C₆₀ by L. T. Scott, *Science*, **2002**, 295, 1500.



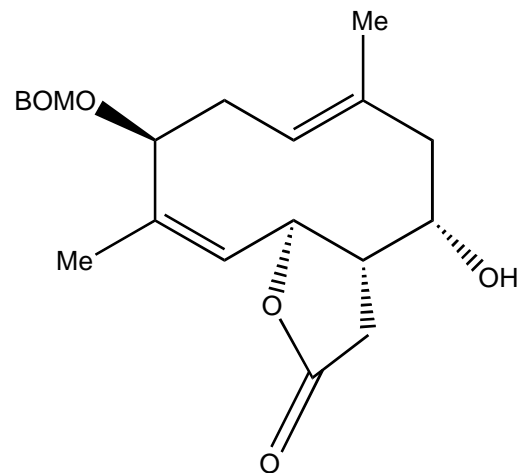
Cf: A rational synthesis of C₆₀ by L. T. Scott, *Science*, **2002**, 295, 1500.



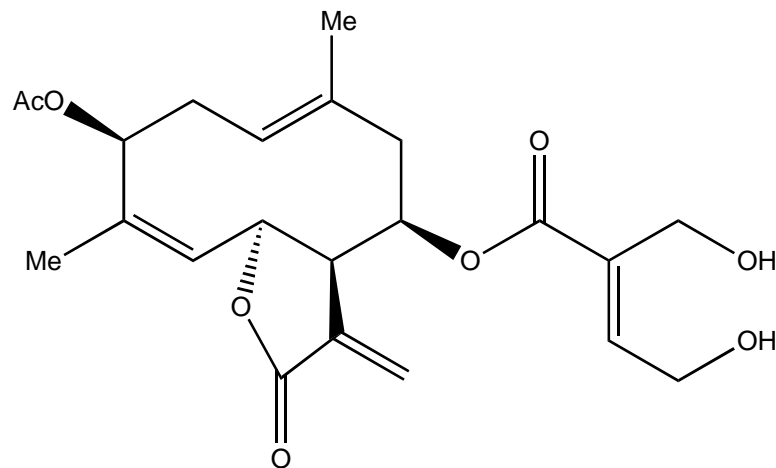
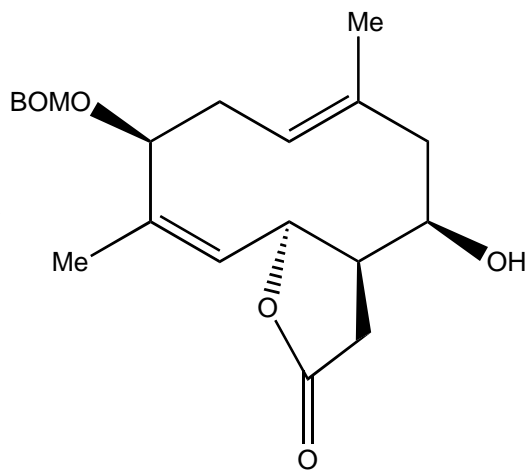




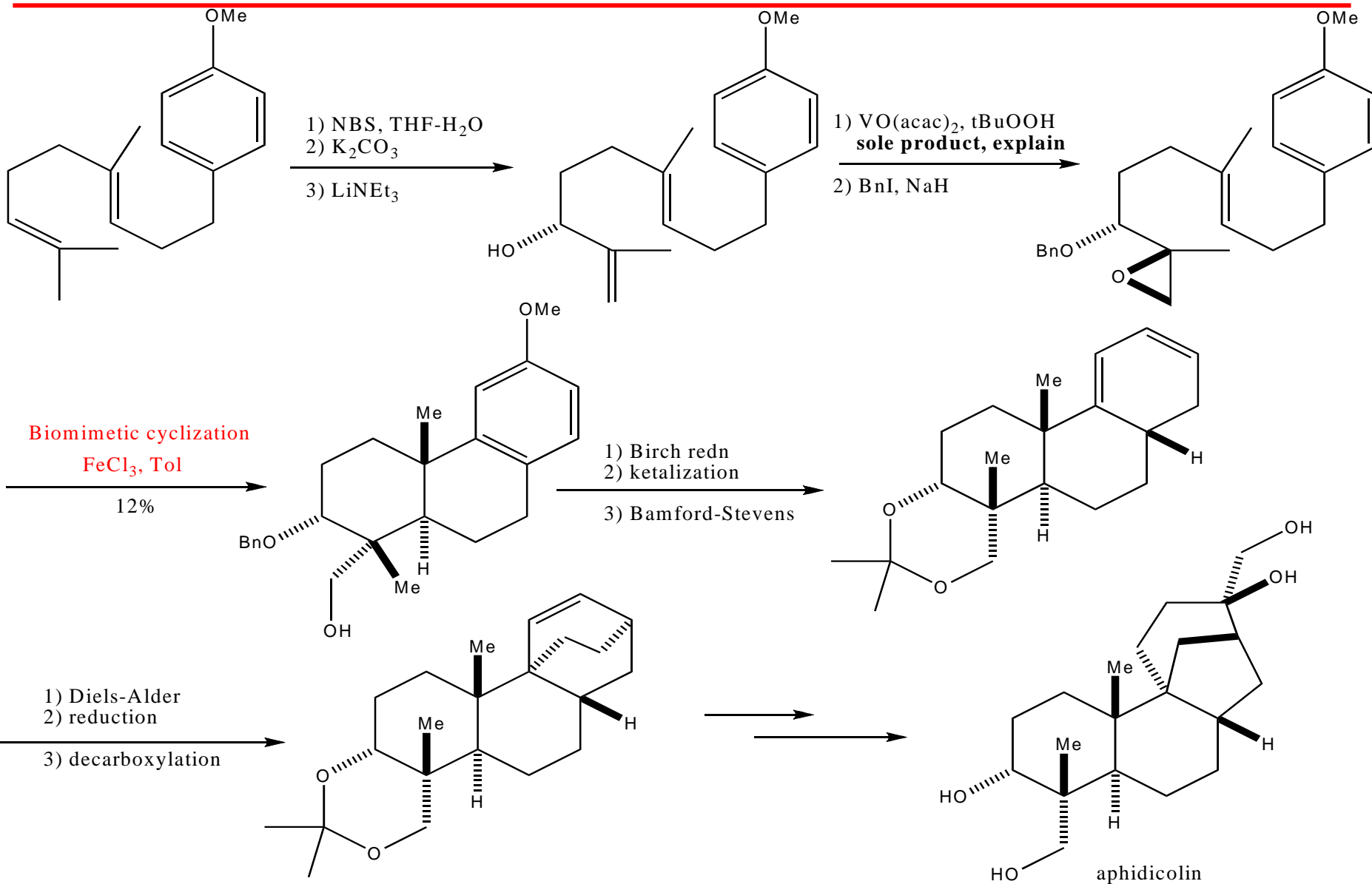
1) $(\text{CO}_2\text{H})_2$
2) H_2O_2 , $\text{Ti}(\text{OiPr})_4$
3) NaBH_4
4) K_2CO_3 , MeOH



1) Collins oxidation
2) DBU
3) NaBH_4

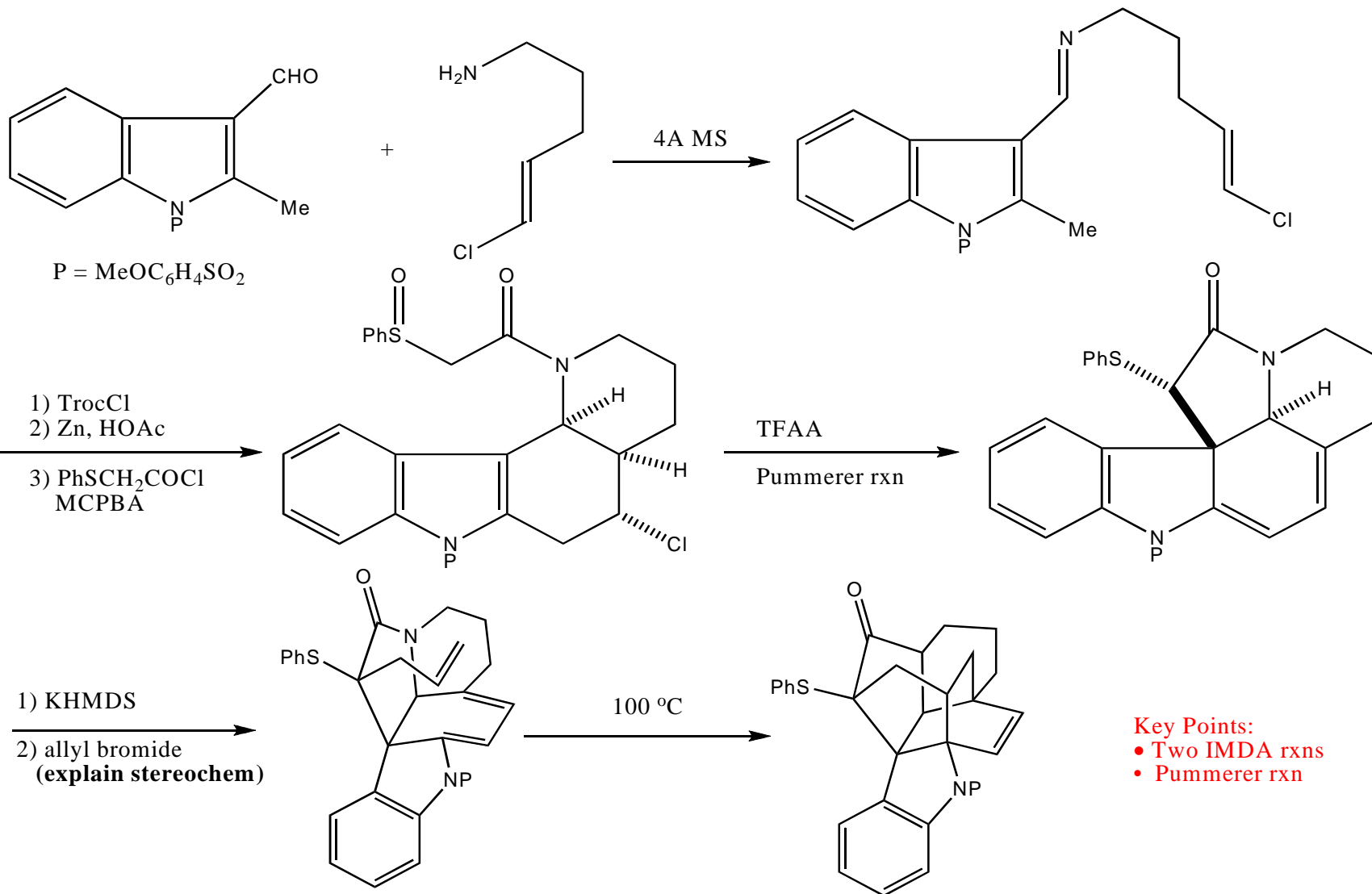


eucannabinolide



Philip Magnus(dioxokopsane)

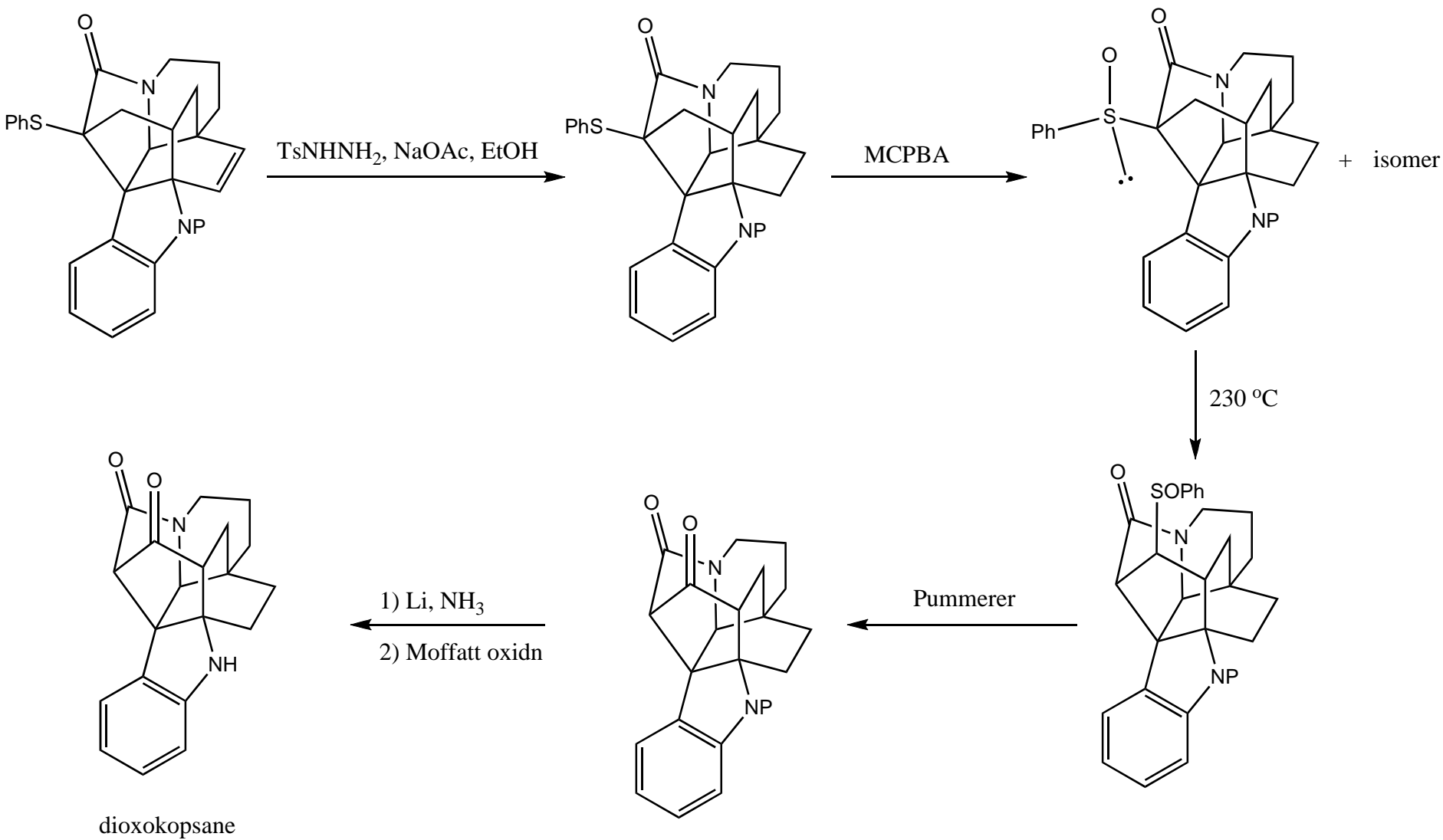
June 30, 2006



Key Points:
• Two IMDA rxns
• Pummerer rxn

Philip Magnus(dioxokopsane)

June 30, 2006



Cf: David Y. Gin, *JACS*, **2006**, *128*, ASAP.

