

Total syntheses of (+)-paspalicine and (+)-paspalinine. Amos B. Smith III, Toshiaki Sunazuka, Tamara L. Leenay, Jill Kingery-Wood; 8197-8198.

Total syntheses of (-)-histrionicotoxin and (-)-histrionicotoxin 235A, Gilbert Stork, Kang Zhao; 5875-5876.

General approach to the synthesis of macroline-related alkaloids. Stereospecific total synthesis of (-)-alstonerine. L. H. Zhang, J. M. Cook; 4088-4090.

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Direct total synthesis of (+)-longifolene via an intramolecular Diels-Alder strategy, Lei Bo, Alex G. Fallis; 4609-4610.

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Stereocontrolled total synthesis of (-)-anisatin: a neurotoxic sesquiterpenoid possessing a novel spiro beta-lactone. Haruki Niwa, Masanori Nisiwaki, Itaru Tsukada, Takeshi Ishigaki, Shigeki Ito, Kazumasa Wakamatsu, Tatsuya Mori, Megumi Ikagawa, Kiyoyuki Yamada; 9001-9003.

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Sequential radical cyclization approach to propellane triquinanes. Total synthesis of (+,-)-modhephene, Craig P. Jasperse, Dennis P. Curran; 5601-5609.

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Total synthesis of both (+)-compactin and (+)-mevinolin. A general strategy based on the use of a special titanium reagent for dicarbonyl coupling, Derrick L. J. Clive, K. S. Keshava Murthy, Andrew G. H. Wee, J. Siva Prasad, Gil V. J. Da Silva, Marek Majewski, Paul C. Anderson, Claire F. Evans, Richard D. Haugen, et al.; 3018-3028.

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Total syntheses of (-)-nocardicins A-G: a biogenetic approach, Gino M. Salituro, Craig A. Townsend; 760-770.

Asymmetric total synthesis of dibenzocyclooctadiene lignans (-)-schizandrin and (-)-isoschizandrin. Structure revision of (+)-isoschizandrin, Alan M. Warshawsky, A. I. Meyers; 8090-8099.

Studies on Gelsemium alkaloids. Total synthesis of (+)-koumine, (+)-taberpsychine, and (+)-koumidine, Philip Magnus, Benjamin Murgre, Mark R. DeLuca, Gary A. Cain; 5220-5230.

Synthetic aspects of an asymmetric nitrogen-insertion process: preparation of chiral, non-racemic caprolactams and valerolactams. Total synthesis of (-)-alloyohimbane, Jeffrey Aube, Yuguang Wang, Marlys Hammond, Mehmet Tanol, Fusao Takusagawa, David Vander Velde; 4879-4891.

Total synthesis and structural investigations of didemnins A, B, and C Wen Ren Li, William R. Ewing, Bruce D. Harris, Madeleine M. Joulie; 7659-7672.

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Chemistry of tricarboxyl hemiketals and application of Evans technology to the total synthesis of the immunosuppressant (-)-FK-506, Todd K. Jones, Robert A. Reamer, Richard Desmond, Sander G. Mills; 2998-3017.

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Total synthesis of the polyether antibiotic ionomycin David A. Evans, Robert L. Dow, Thomas L. Shih, James M. Takacs, Robert Zahler; 5290-5313.

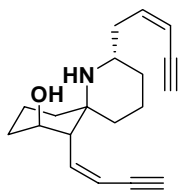
Total synthesis of the macrolide antibiotic cytovaricin, David A. Evans, Stephen W. Kaldor, Todd K. Jones, Jon Clardy, Thomas J. Stout; 7001-7031.

Synthesis of (±)-marasminic acid via 1-oxaspirohexane rearrangement, Yoshito Tobe, Dai Yamashita, Tohru Takahashi, Masashi Inata, Junichi Sato, Kiyomi Kakiuchi, Kazuya Kobiro, Yoshinobu Odaira; 775 - 779.

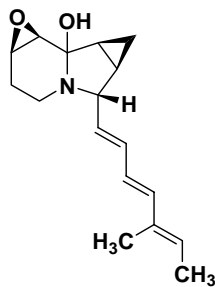
Enantiocontrolled synthesis of quaternary carbon centers via anionic oxy-Cope rearrangement: an efficient synthesis of (+)-dihydromayurone, Eun Lee, In Jae Shin, Tae Seong Kim; 260 - 264.

Template-directed synthesis of (±)-allosamizoline and its 3,4-epimers, Barry M. Trost, David L. Van Vranken; 1261 - 1263.

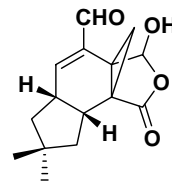
Synthesis of the Antitumor Bisindole Alkaloid Vinblastine: Diastereoselectivity and Solvent Effect on the Stereochemistry of the Crucial C-15—C-18' Bond, Philip Magnus, Andrew Stamford, Mark Ladlow; 8210-8212



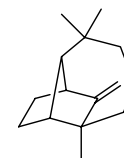
Histrionicotoxin
spiropiperidine



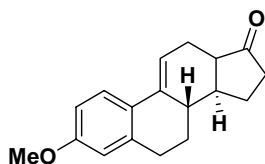
Indolizomycin



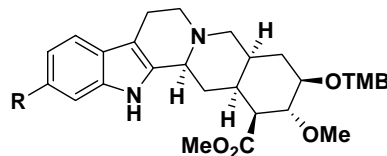
Marasmic acid



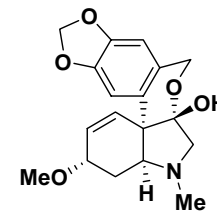
Longifolene



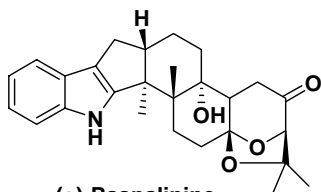
9(11)-dehydroestrone methyl ether



R = OMe Reserpine
R = H Deserpine

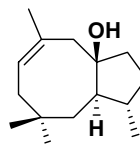


tazettine



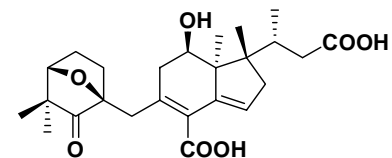
(+)-Paspalinine

Smith III, A. B. et al JACS,1990,112, 8197



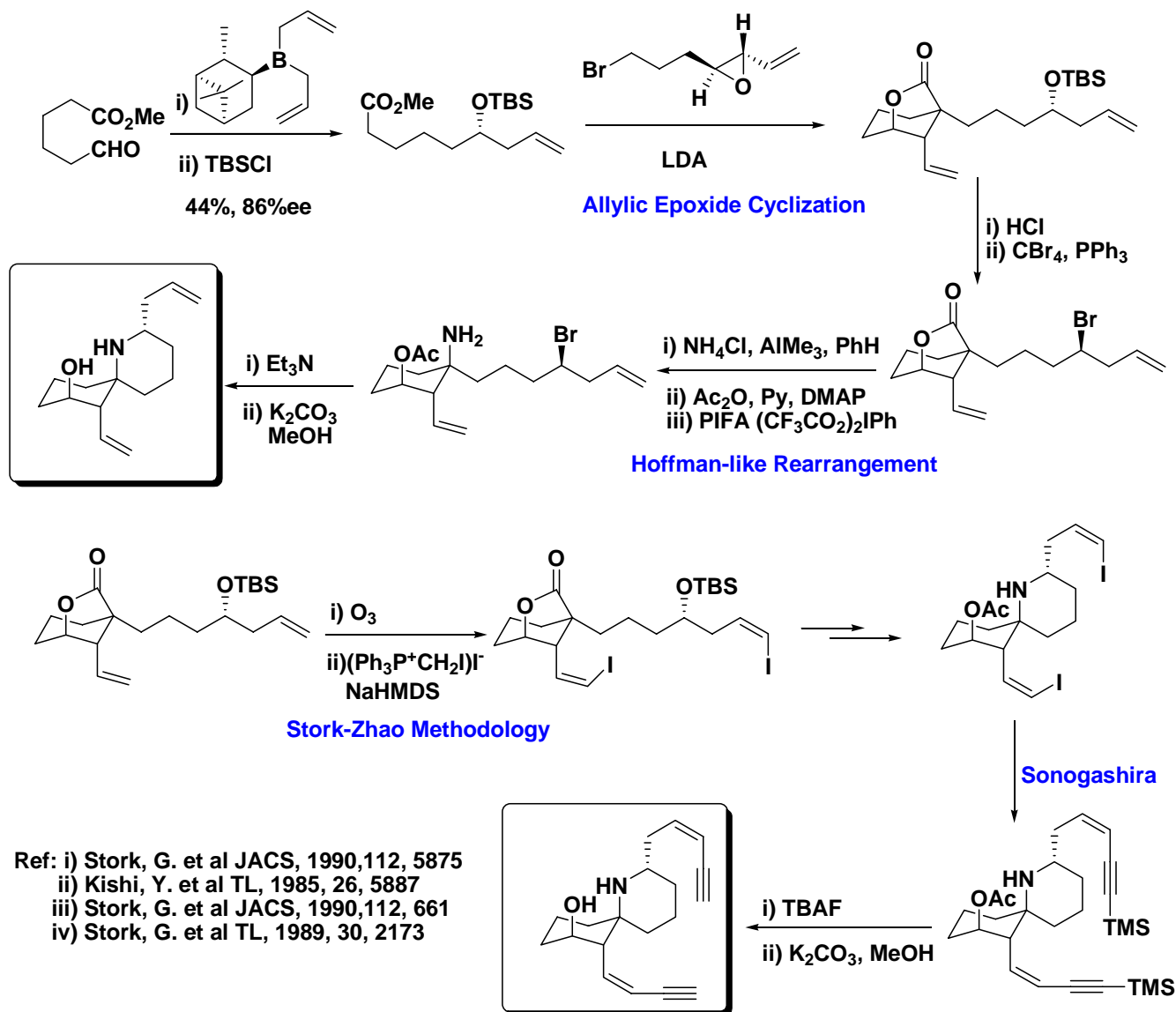
Dactylo

Feldman, K. S. et al JACS, 1990,112, 8490

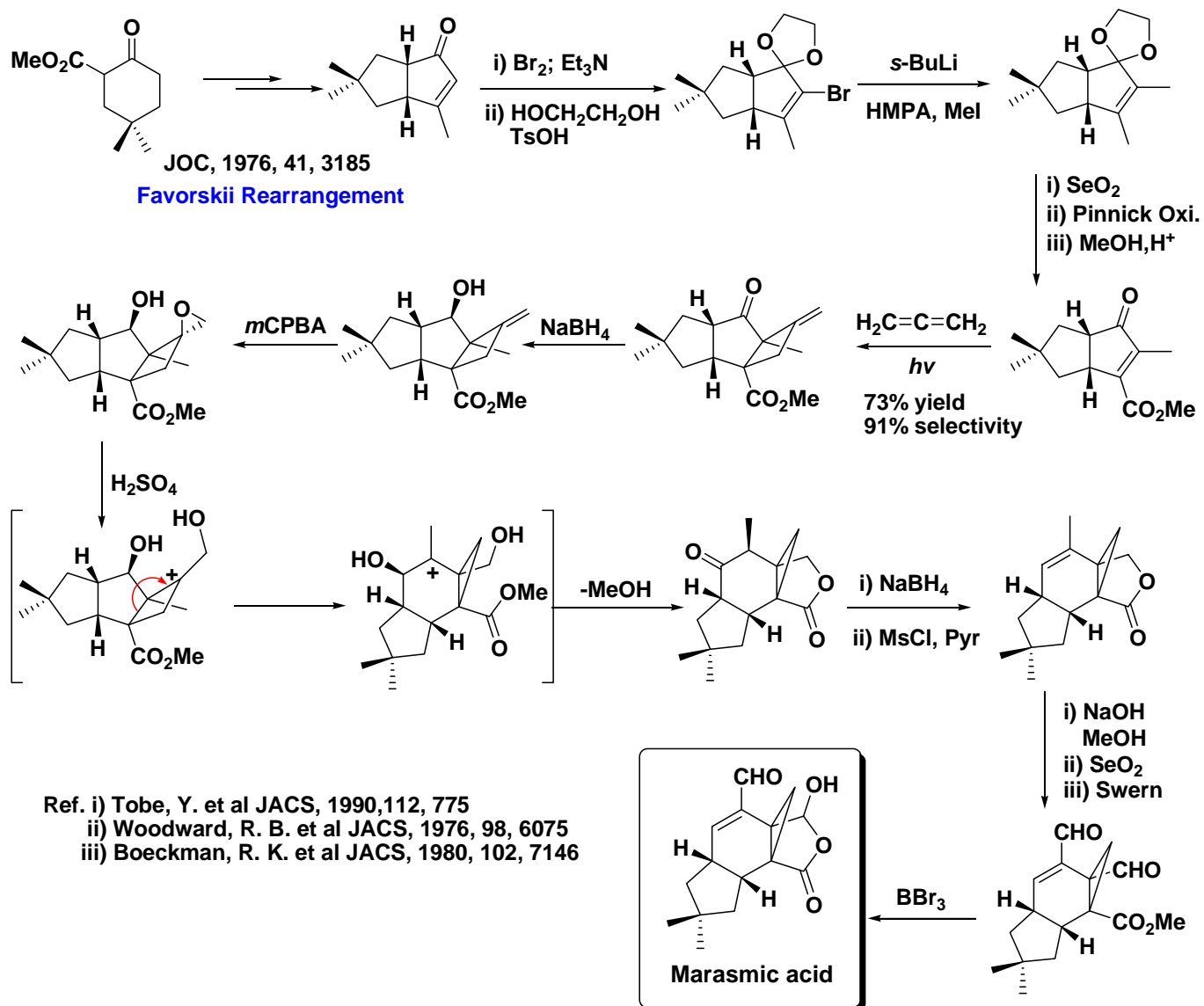


Corey, E. J. et al JACS, 1990,112, 8997

Histrionicotoxin-Stork

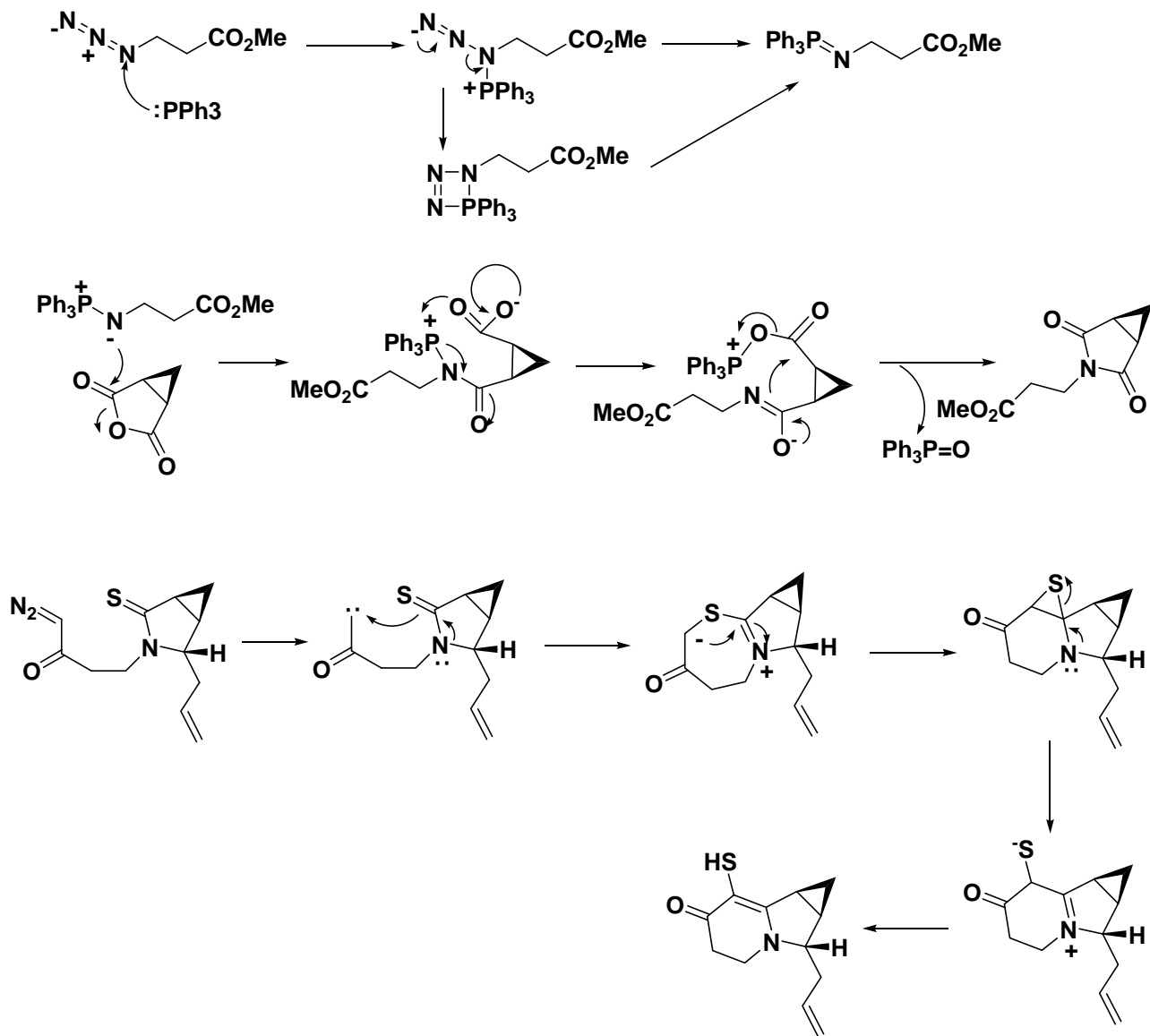


Marasmic Acid via 1-oxaspirohexane rearrangement

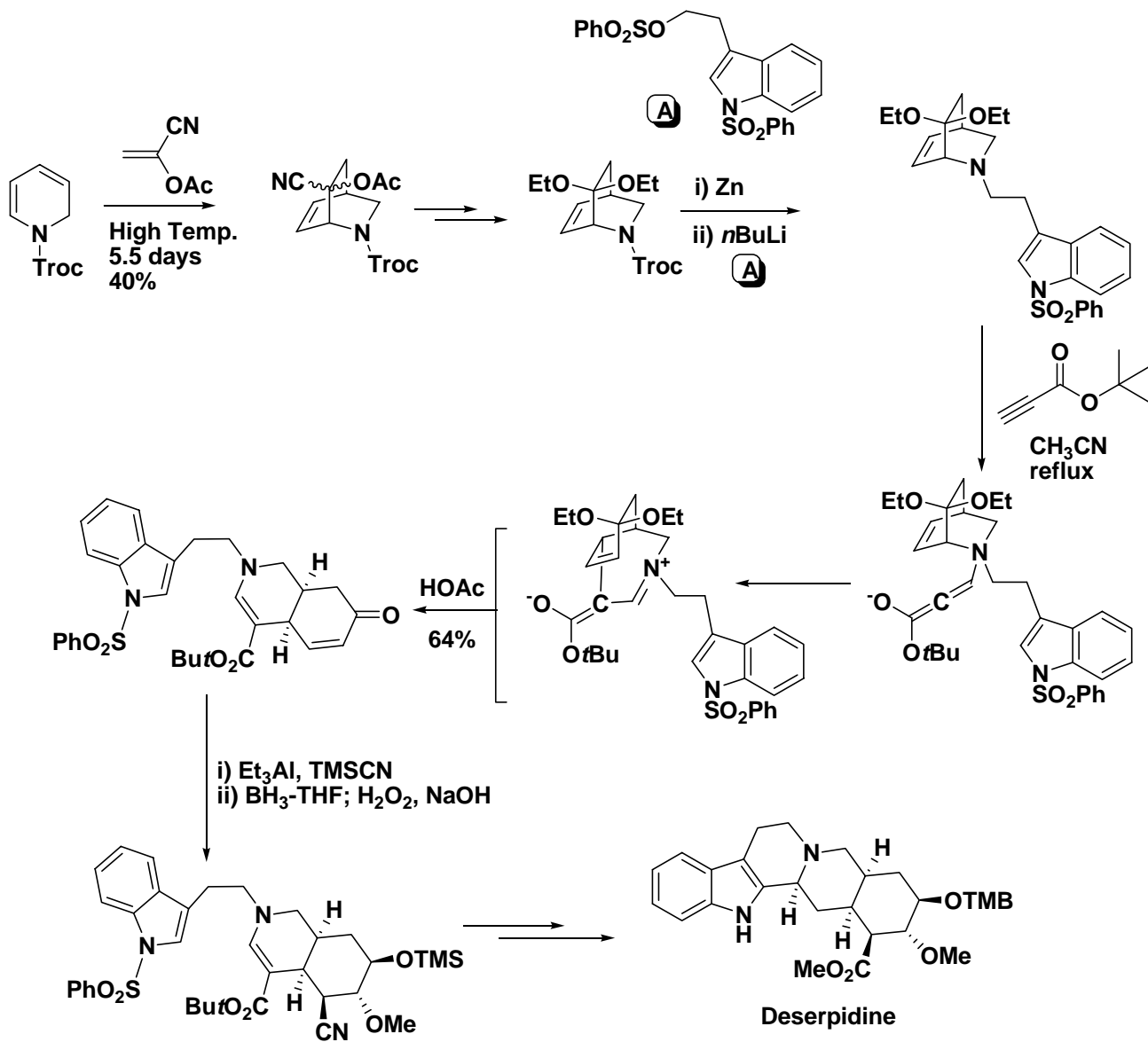


Mechanism

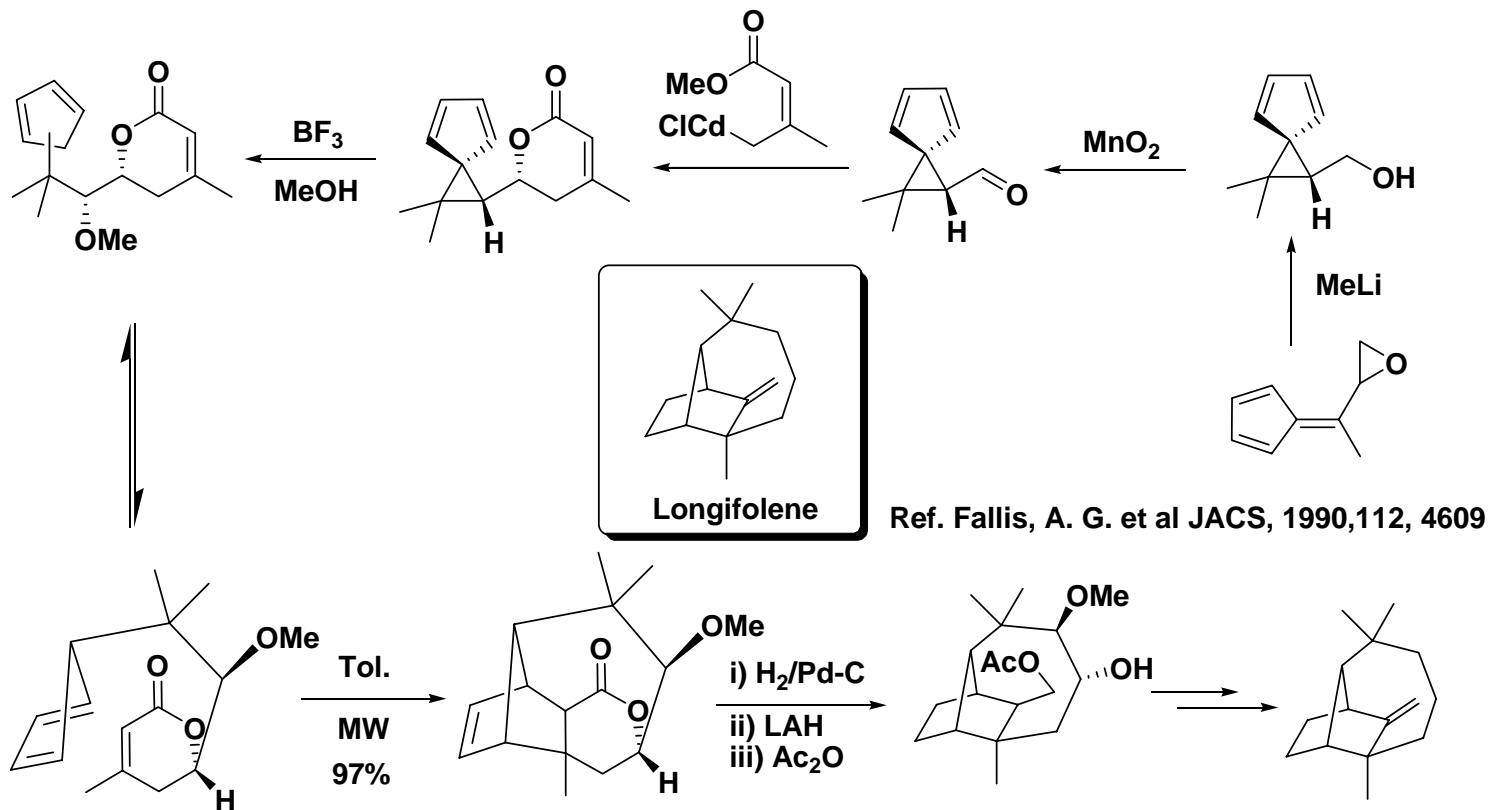
Staudinger Reaction



Deserpidine-Mariano

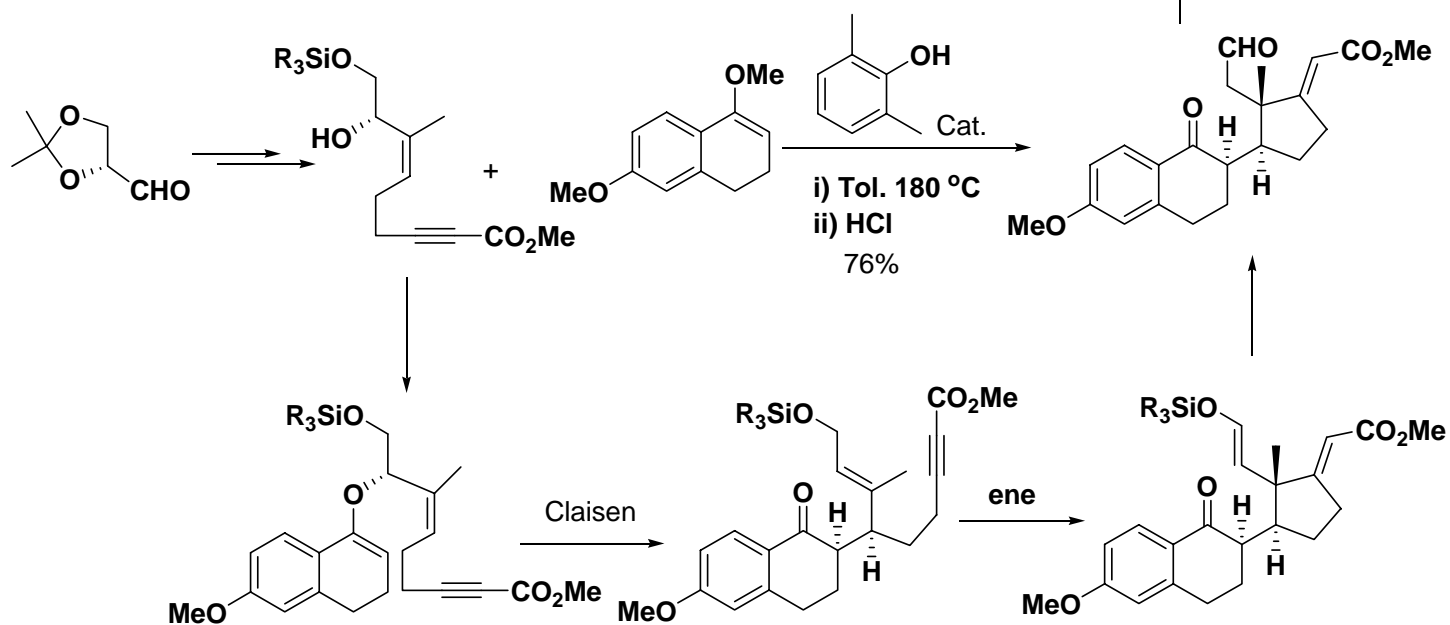
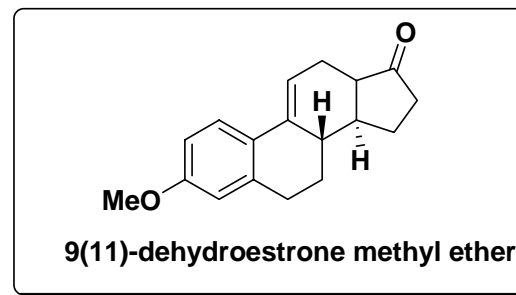


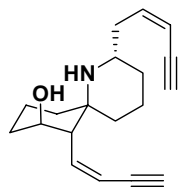
Longifolene-Fallis



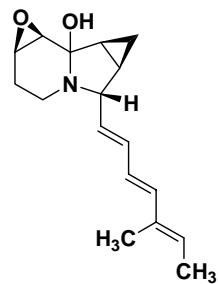
9(11)-dehydroestrone methyl ether-Mikami

Mikami, K. et al JACS, 1990,112, 4035

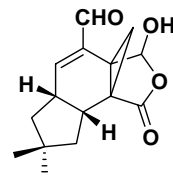




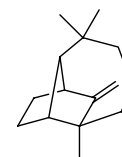
Histronicotoxin
spiropiperidine



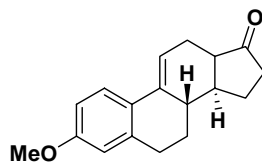
Indolizomycin



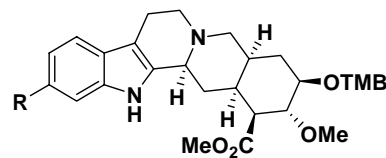
Marasmic acid



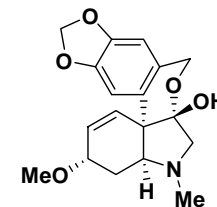
Longifolene



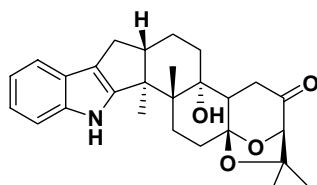
9(11)-dehydroestrone methyl ether



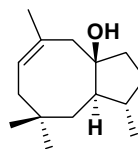
R = OMe Reserpine
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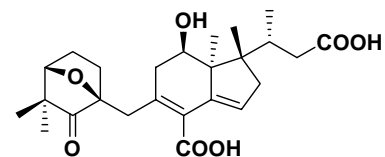
tazettine



(+)-Paspalinine



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Corey, E. J. et al JACS, 1990,112, 8997