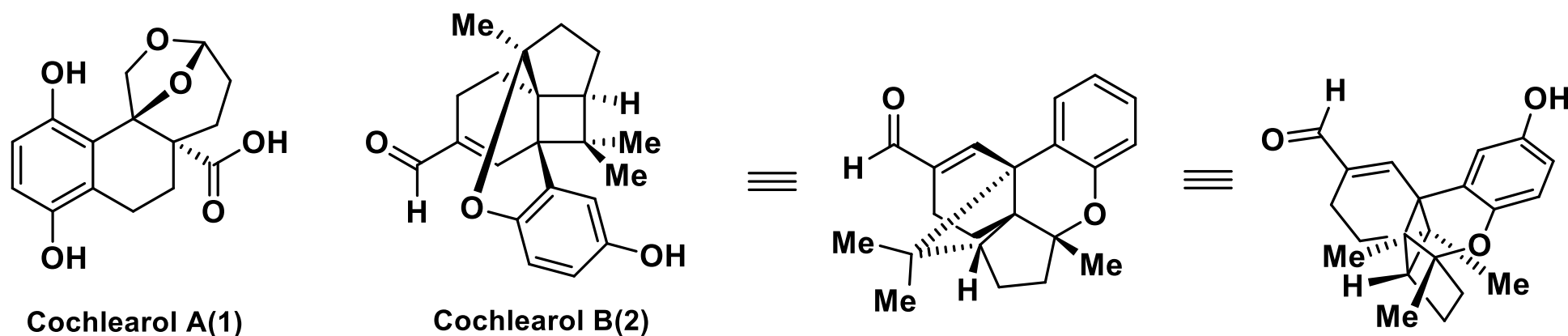


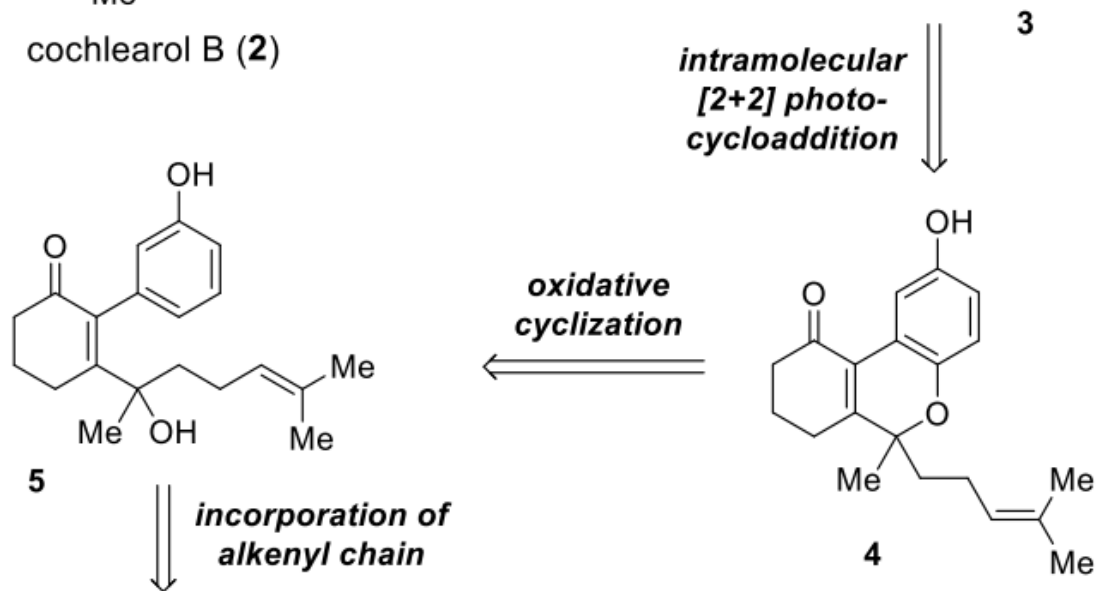
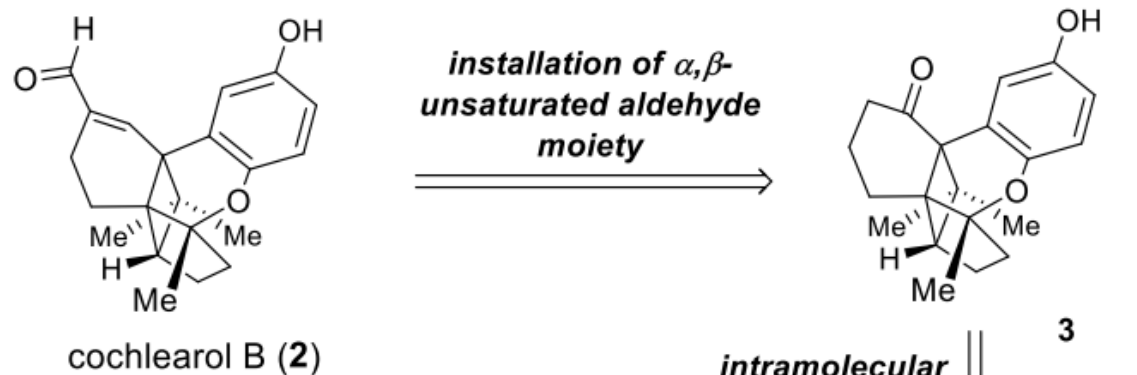
Zuschrift |  Full Access

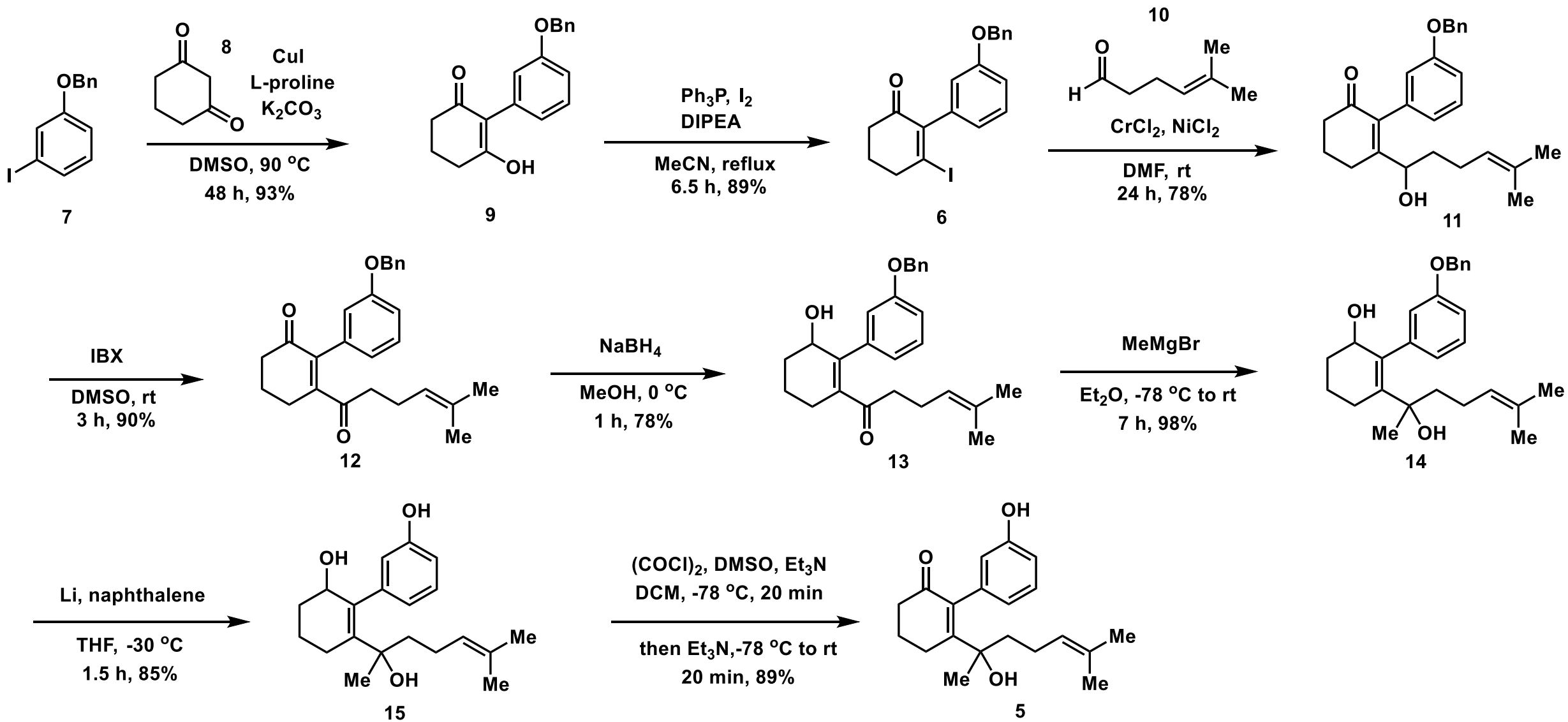
Total Synthesis of Cochlearol B via Intramolecular [2+2] Photocycloaddition

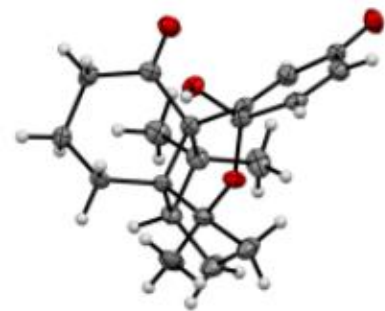
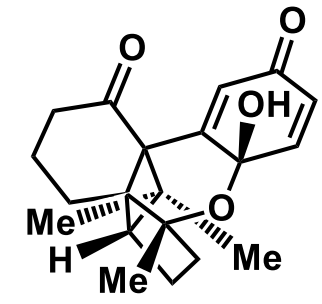
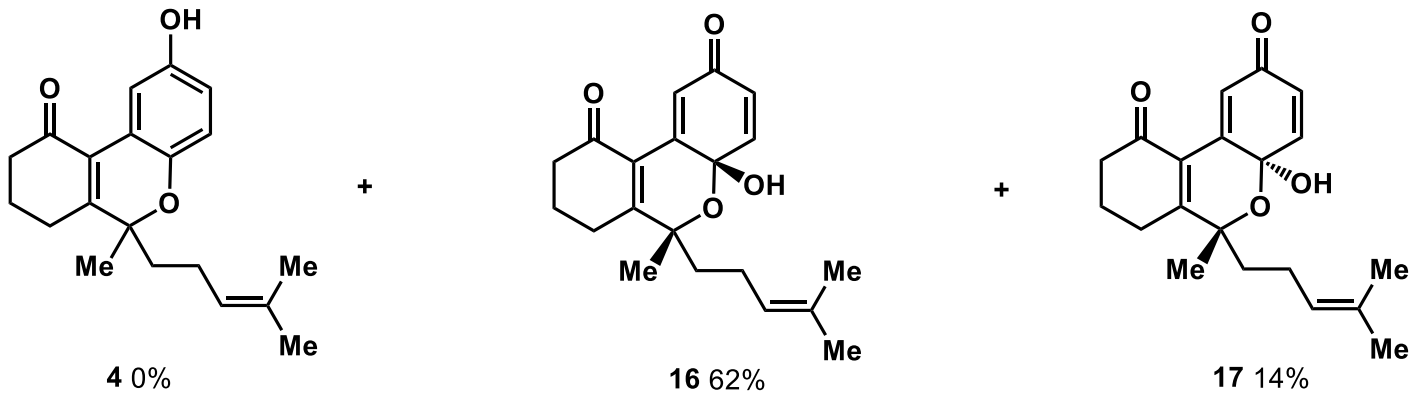
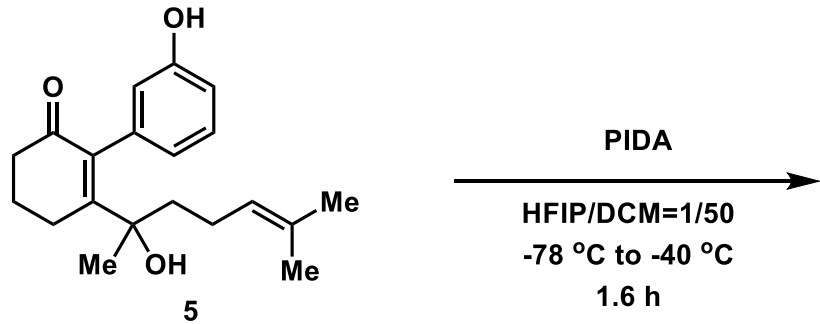
Tomoya Mashiko, Yuta Shingai, Jun Sakai, Dr. Shogo Kamo, Dr. Shinya Adachi, Dr. Akinobu Matsuzawa, Prof. Dr. Kazuyuki Sugita 

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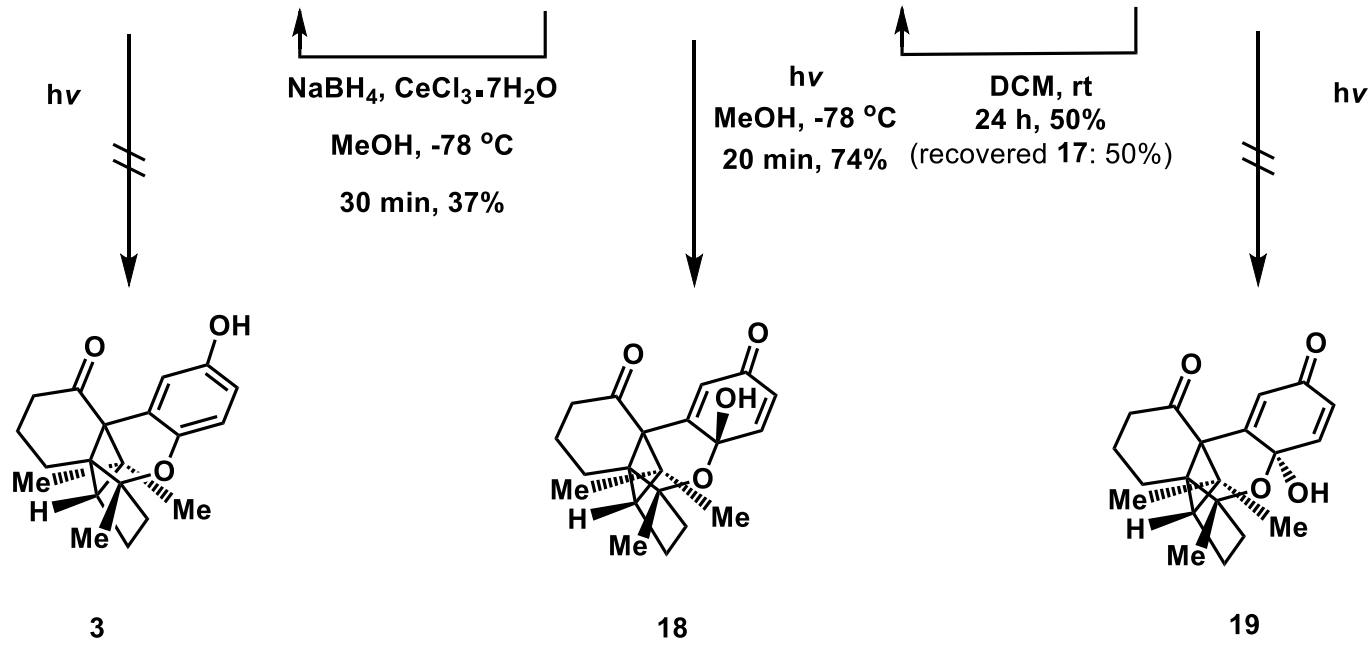


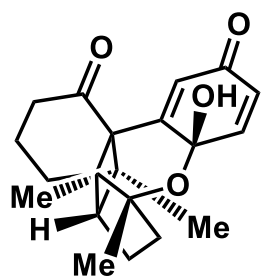




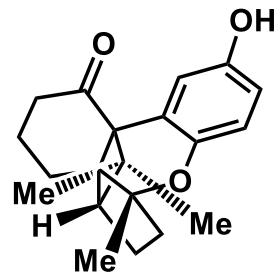
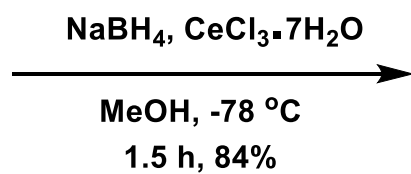


X-ray structure of 18

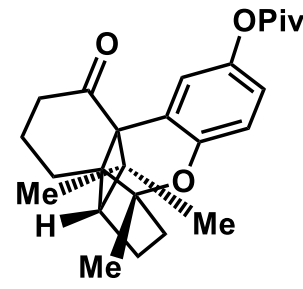
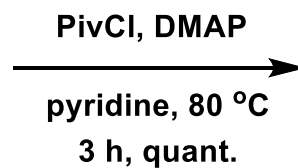




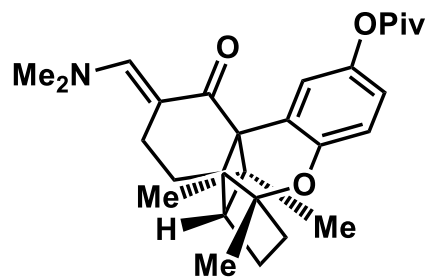
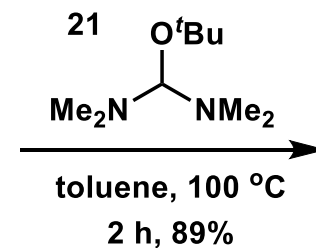
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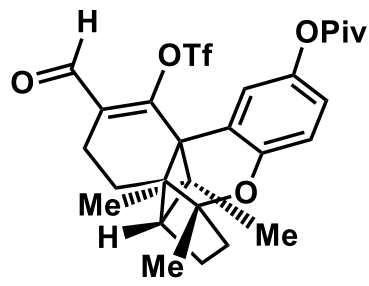
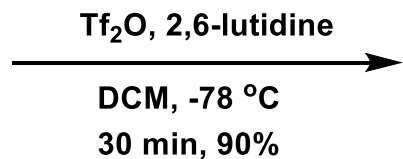
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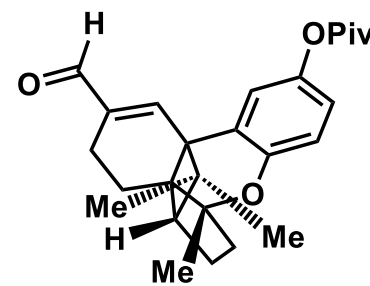
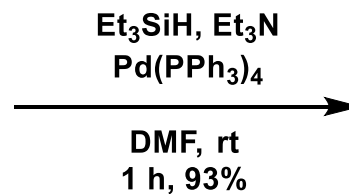
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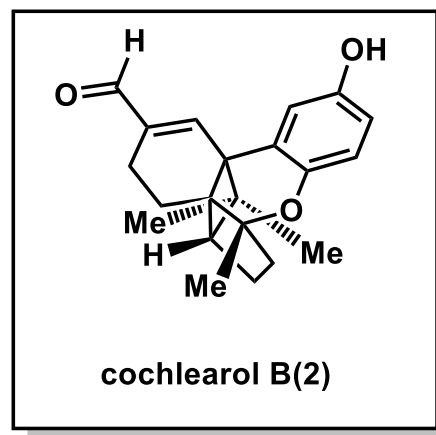
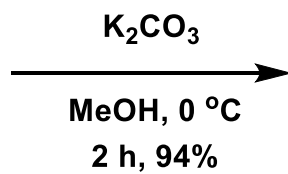
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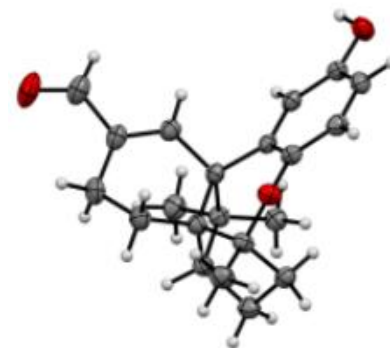
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24



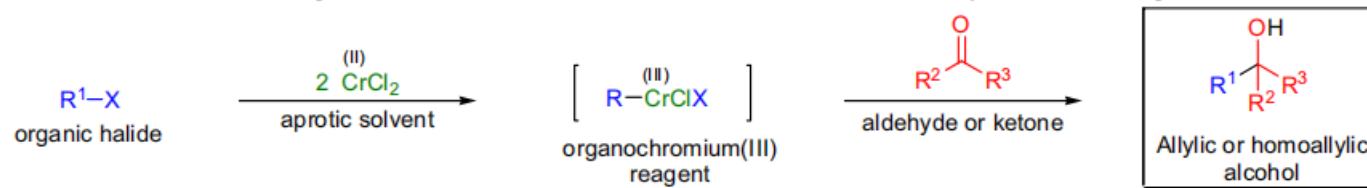
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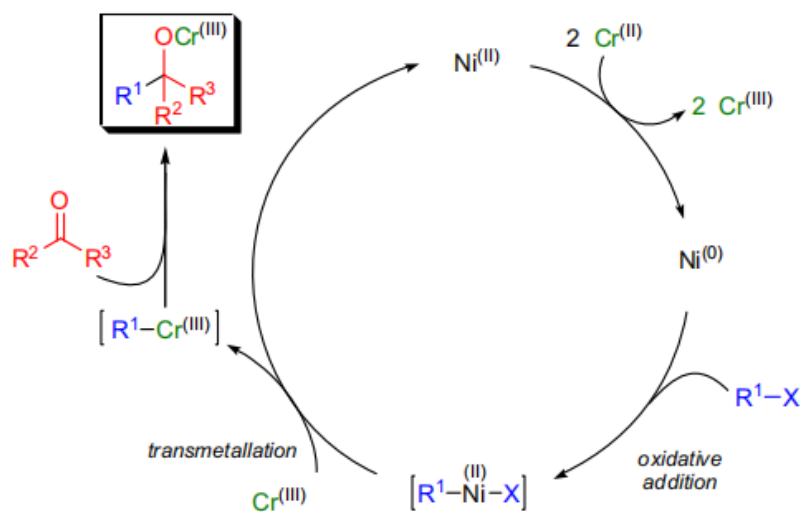
X-ray structure of 2

NOZAKI-HIYAMA-KISHI REACTION

(References are on page 641)

Importance:[Seminal Publications¹⁻⁷; Reviews⁸⁻¹⁶; Modifications & Improvements¹⁷⁻³⁰]

R^1 = alkenyl, aryl, allyl, vinyl, propargyl, alkynyl, allenyl; X = Cl, Br, I, OTf, etc.; R^2, R^3 = alkyl, aryl, alkenyl, H;
solvent: DMF, DMSO, THF

Ni⁽⁰⁾-catalyzed process:

Chromium-catalyzed process:

