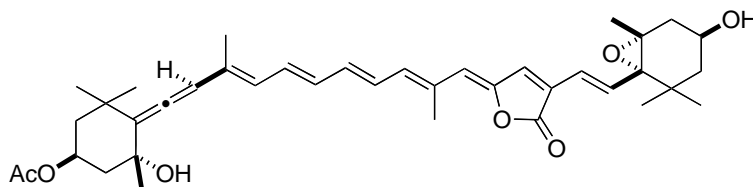


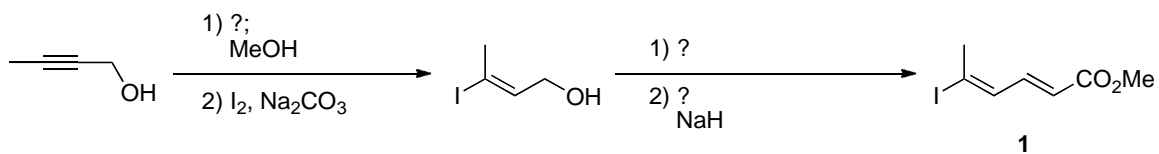
nat-Peridinin (120421-TKGP)

S. Katsumura^{1), 2)}

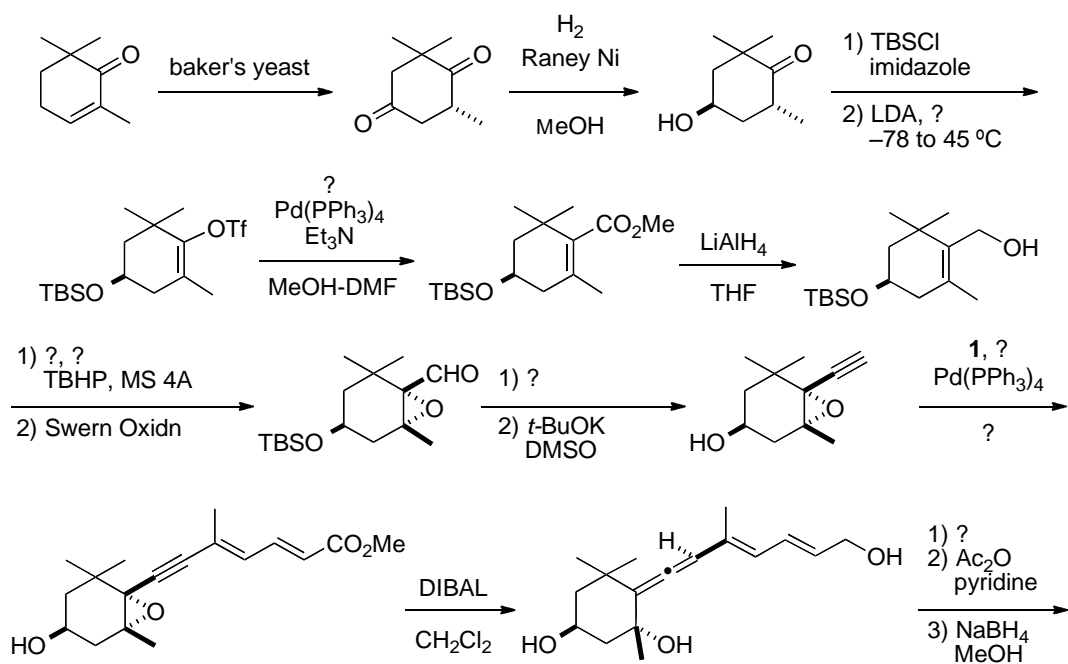


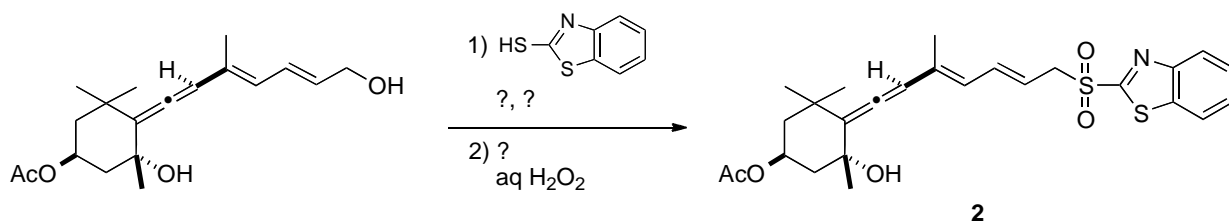
Activity Antenna pigment for photosynthesis (集光性補助色素)

Key Reactions (A) singlet oxygen oxidation of α -silylfuran,
(B) Pd-catalyzed one-pot ylidebutenolide formation,
(C) modified Julia-Kocienski olefination

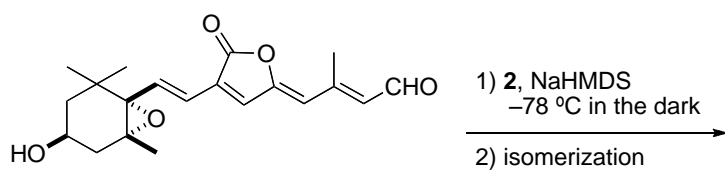
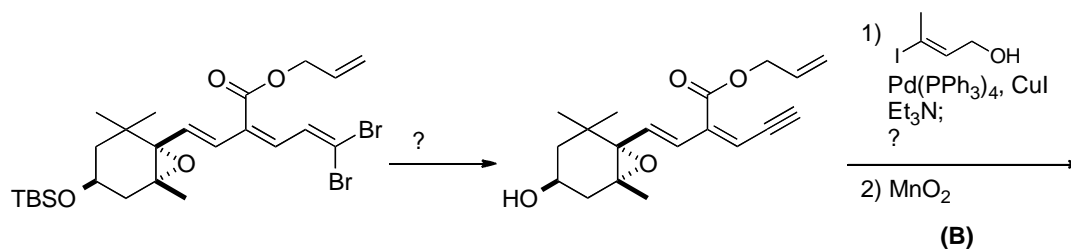
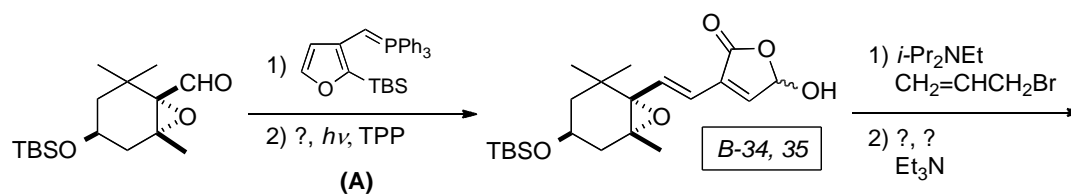


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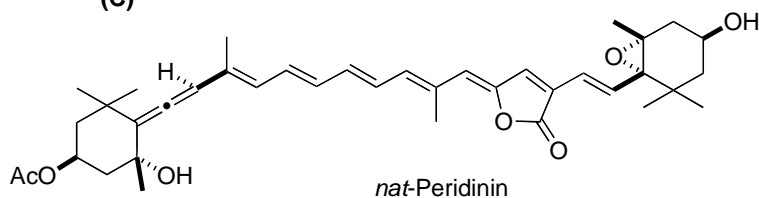




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(C)



References:

- 1) N. Furuichi, H. Hara, T. Osaki, H. Mori, S. Katsumura, *Angew. Chem., Int. Ed.*, **41**, 1023 (2002)
- 2) N. Furuichi, H. Hara, T. Osaki, M. Nakano, H. Mori, S. Katsumura, *J. Org. Chem.*, **69**, 7949 (2004)