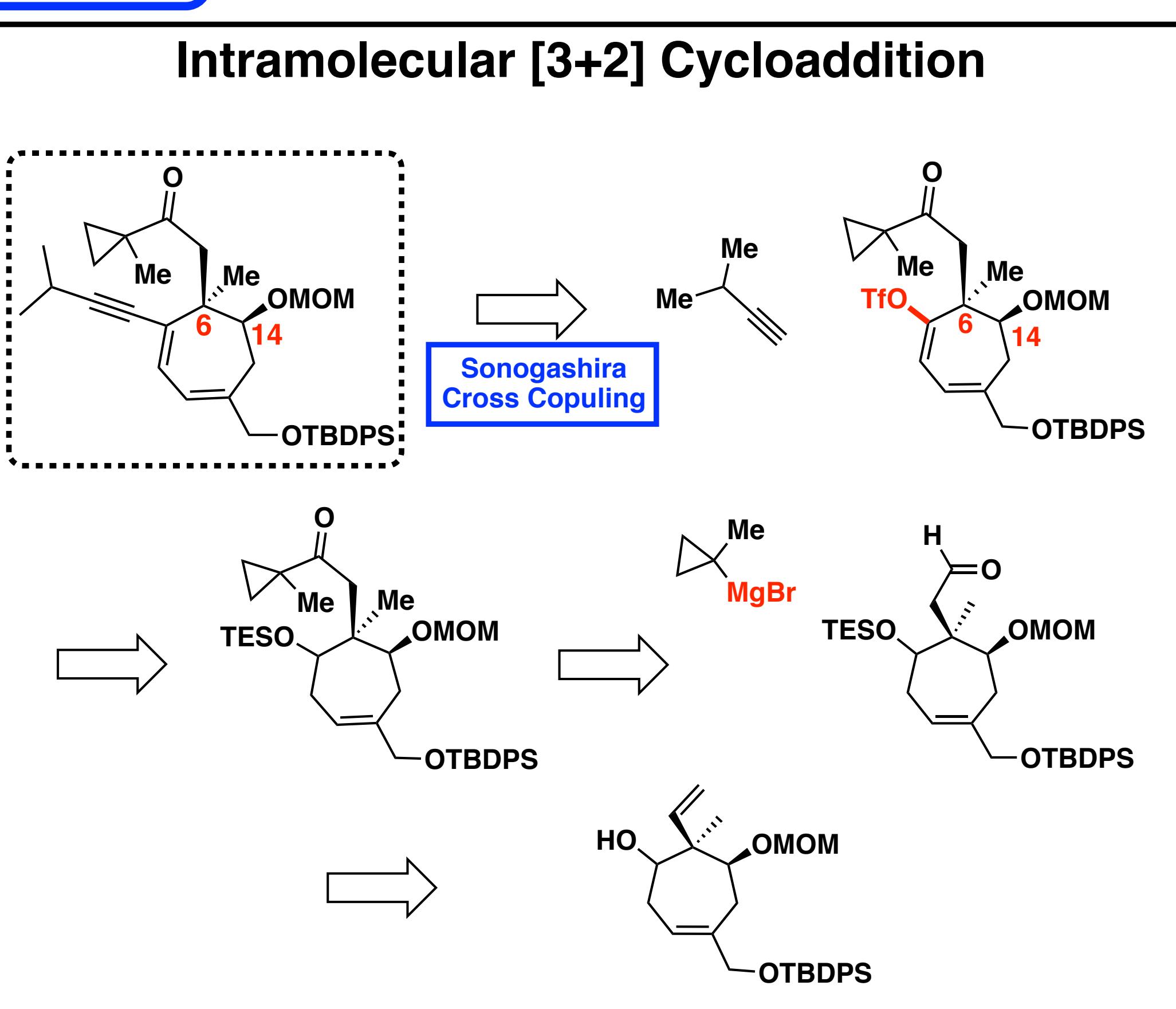
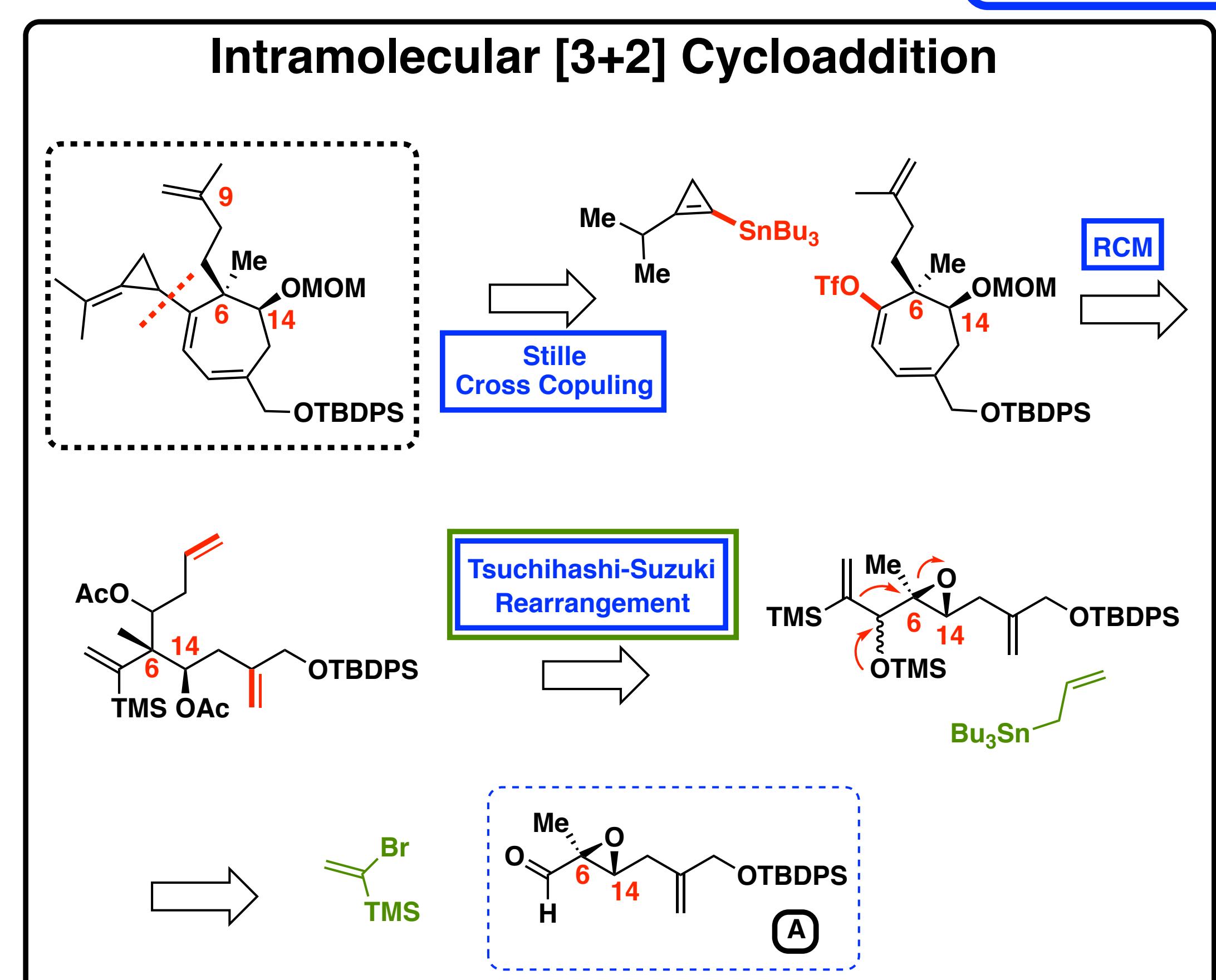
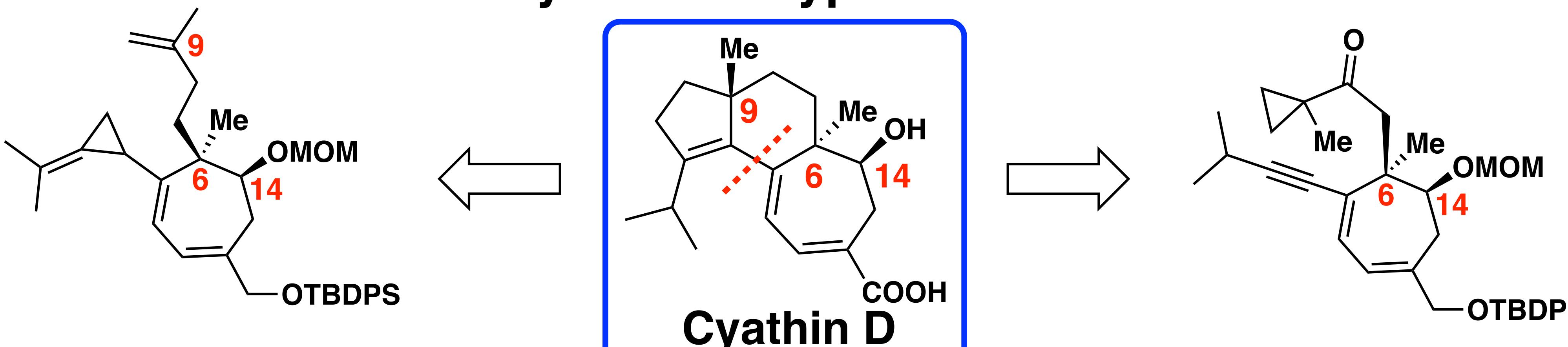




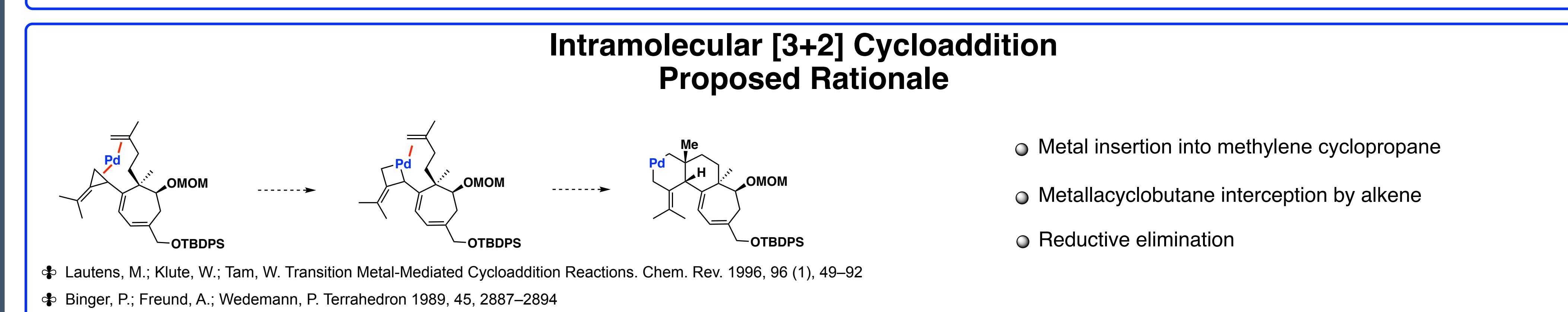
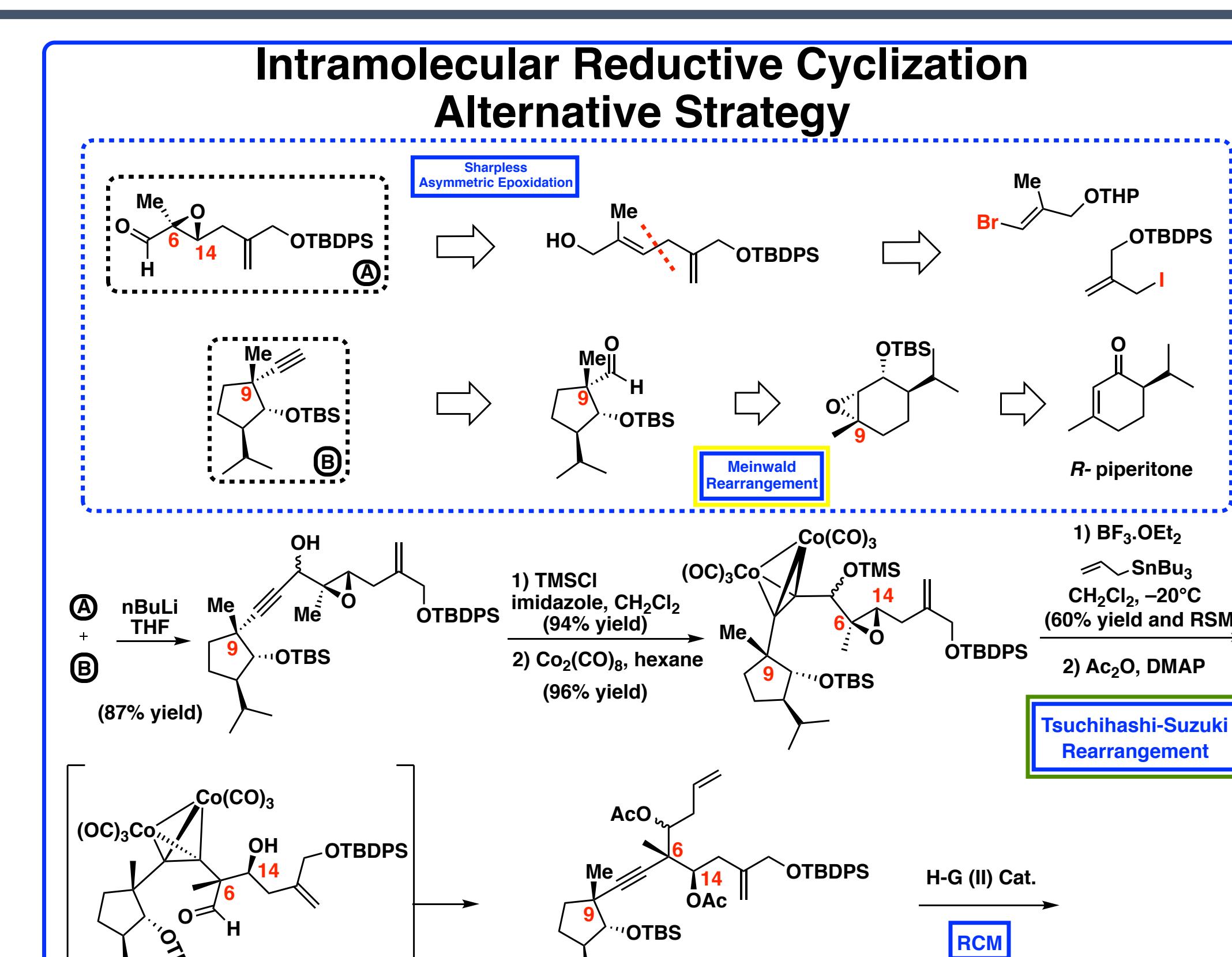
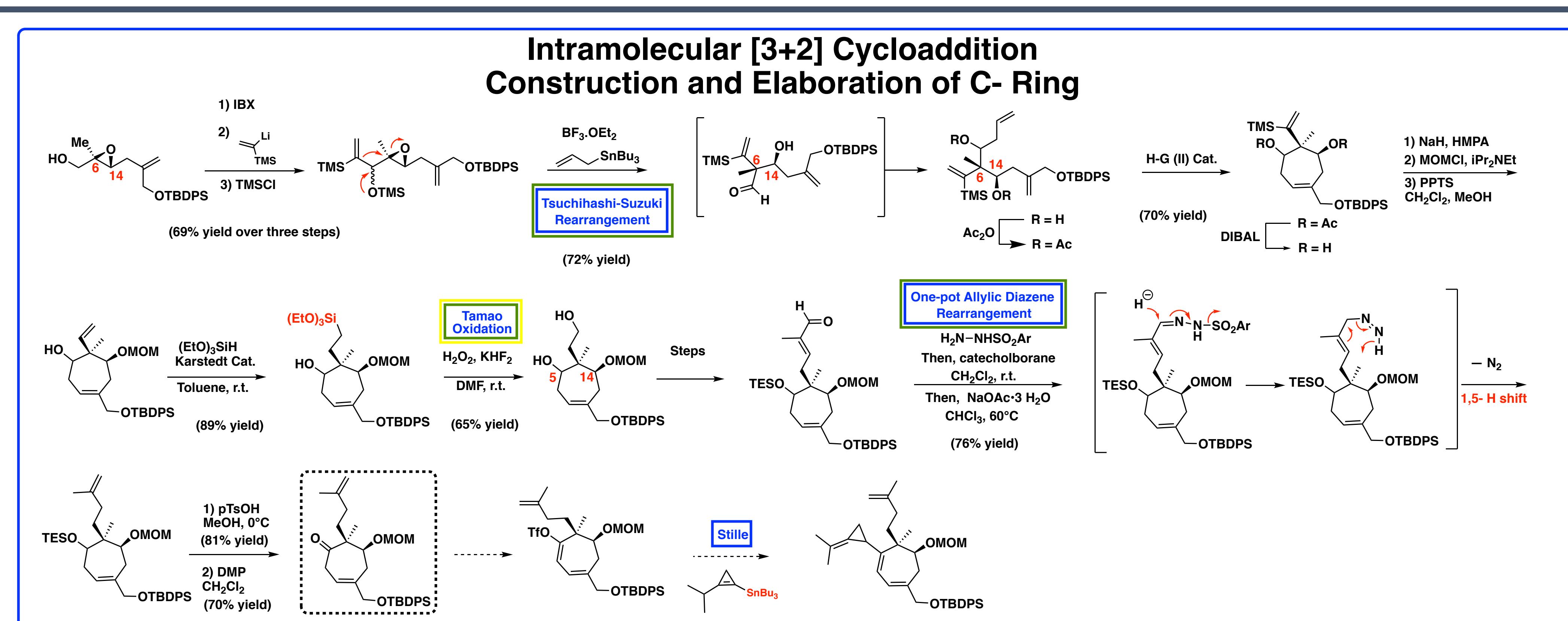
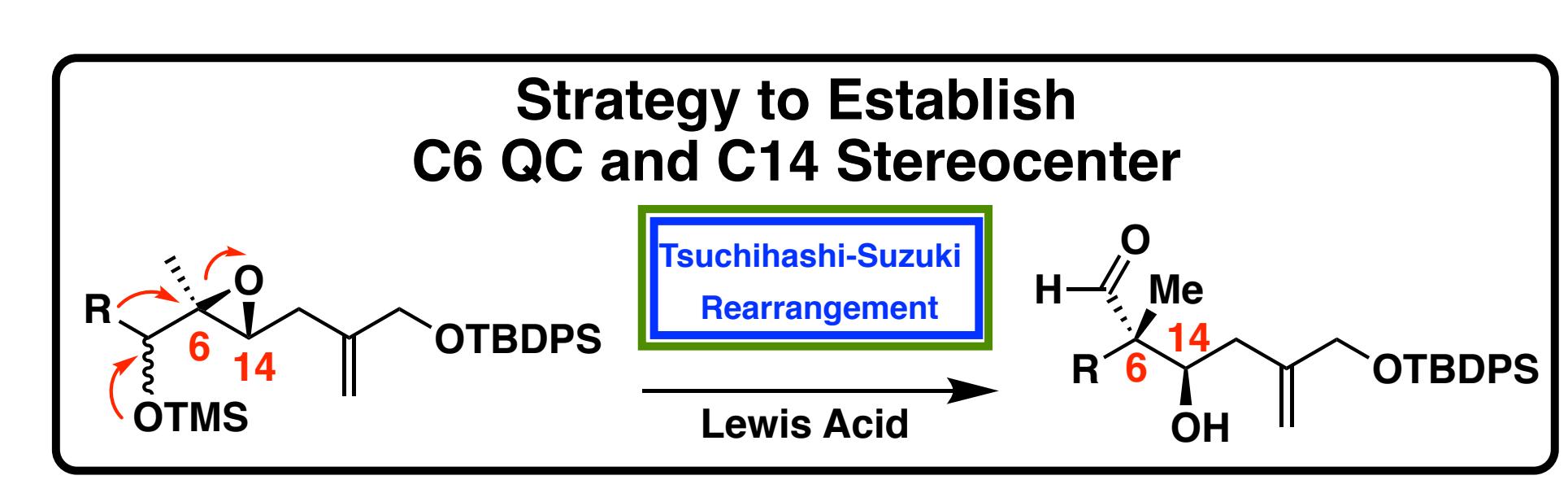
Synthesis Studies of Cyathane Diterpenoids

Professor David R. Williams, Naz Haddadpour
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 800 E. Kirkwood Ave. Bloomington, IN, 47405

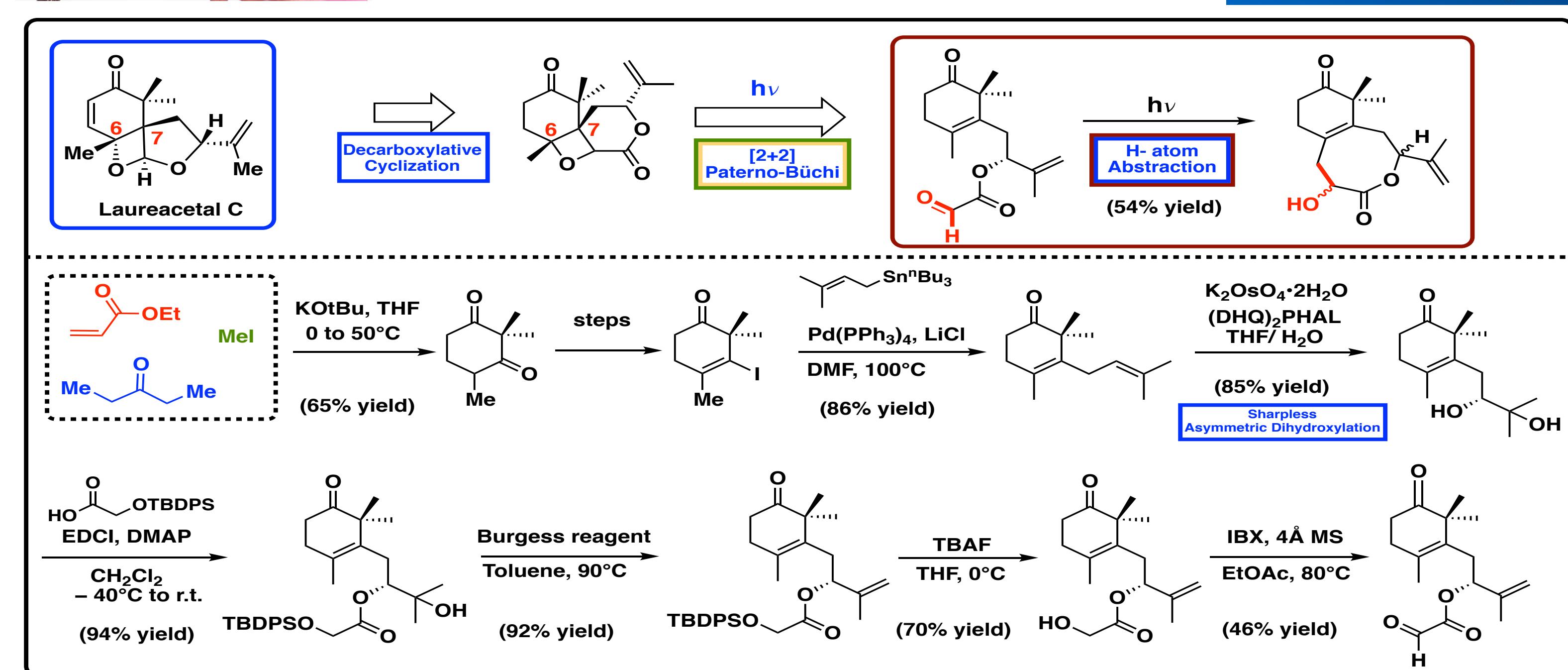
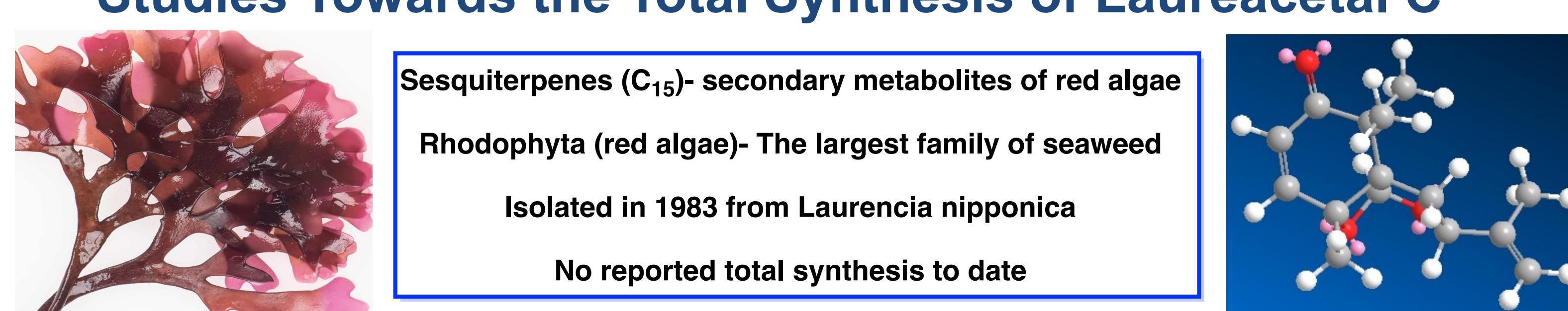
Synthesis Hypotheses



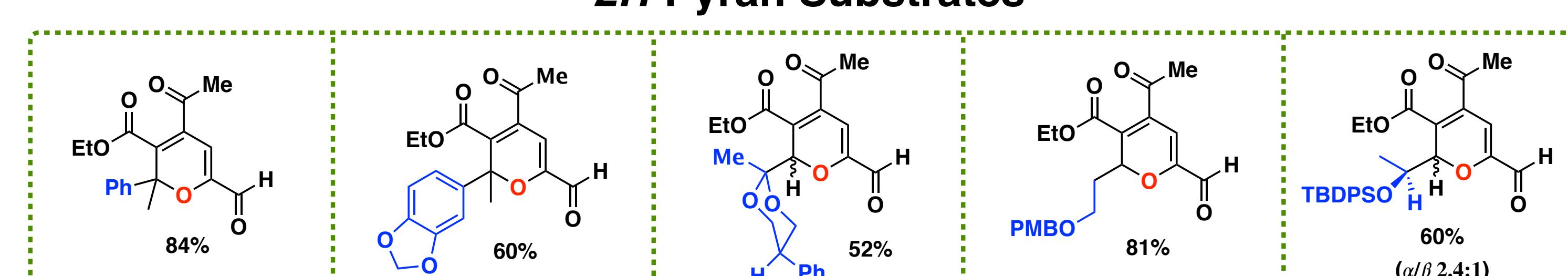
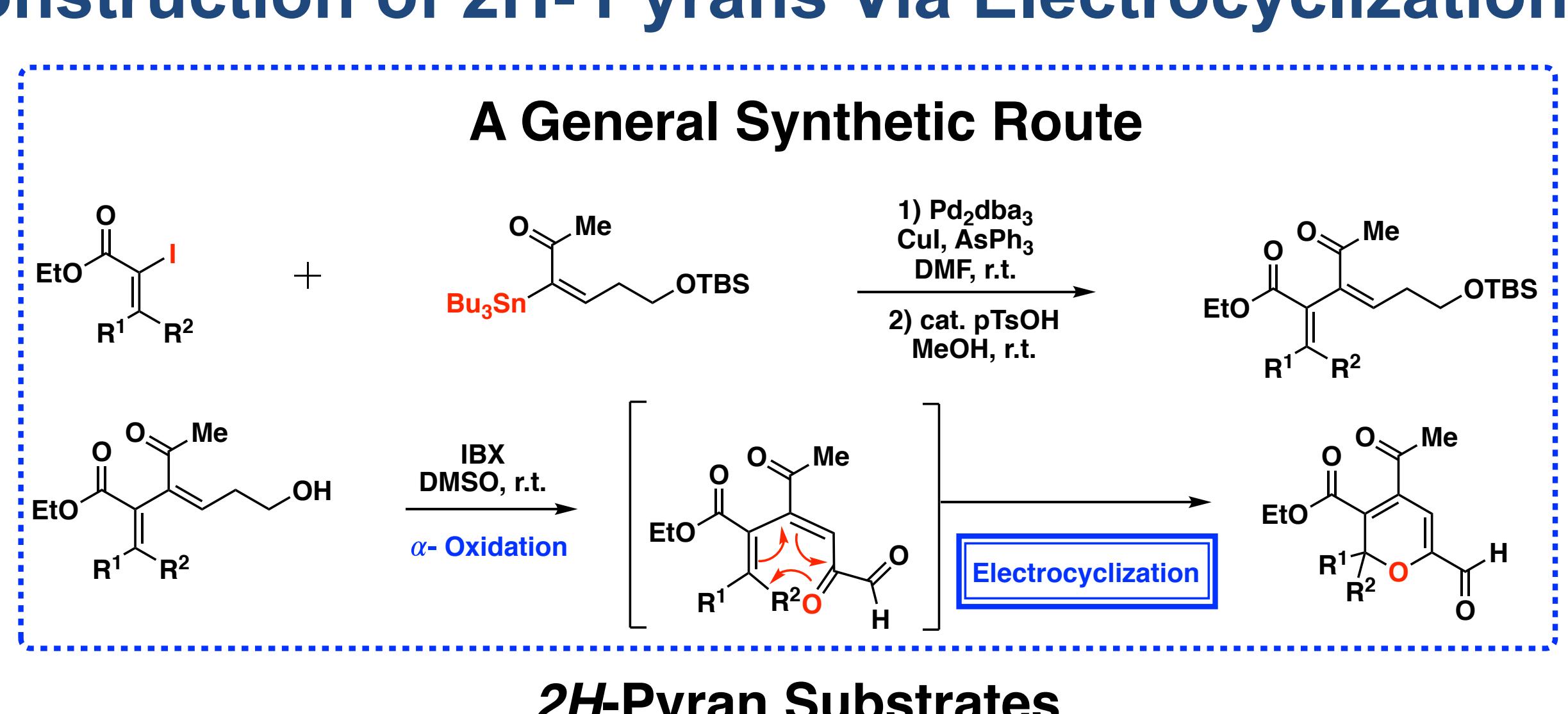
Diterpenoids (C_{20})
 Secondary metabolites of bird's nest fungus *Cyathus helenae*
 Isolated in 1970 by Ayer and Brodie
 Fused 5-6-7 Carbocycle
 Stimulate production of nerve-growth factor (NGF)



Studies Towards the Total Synthesis of Laureacetral C



Construction of 2H-Pyrans Via Electrocyclization



David R. Williams, Seth A. Bawel, Nazanin Haddadpour, Sarah Maier,
 "IBX oxidations for the synthesis of substituted 2H-pyran",
HETEROCYCLES, Vol. 103, 2021, pp 707-713



Acknowledgement
 • Professor David R. Williams
 • Electrocyclization project in collaboration with Dr. Seth Bawel and Sarah Maier
 • Williams' lab, Chemistry Department, Indiana University

