Guoqing Zhao, Guangqing Xu, Chao Qian, and Wenjun Tang J. Am. Chem. Soc.

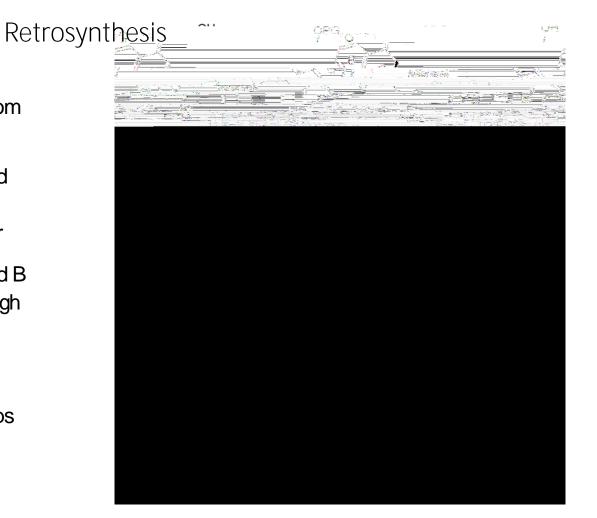
Dalesconol A and B:

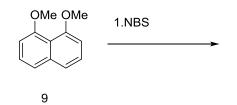
Polyketides that exhibit strong immunosuppressive activities. Isolated by Tan and co-workers in 2008 from mantisassociated fungus

Highly dense carbon skeleton containing seven fused rings of various sizes and two stereogenic centers including one sterically congested quaternary center

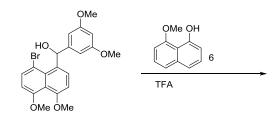
The only total syntheses of racemic dalesconol A and B were accomplished by Shyder and co-workers through a sequence of 15 linear steps and 25 overall steps.

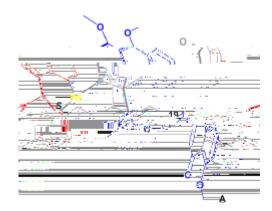
This paper: The concise and first enantioselective syntheses of (+)-dalesconol Bthrough 11 linear steps and 10% overall yield.

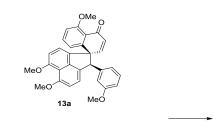




Forward synthesis of Dalesconol B







(b) kinetic resolution by Heck cyclization

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Forward synthesis of Dalesconol A

