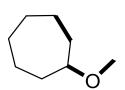
Total Synthesis of Diterpenoid Steenkrotin A

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Angew. Chem. Int. Ed. 2015, 54, 6905 –6908.

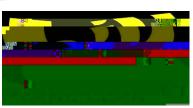
Introduction

Steenkrotin A was first isolated by Hussein and co-workers in 2008 from the extract of leaves of .



It has a [3,5,5,6,7] pentacyclic skeleton and eight stereocenters (including one quaternary center).



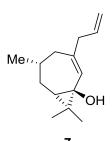


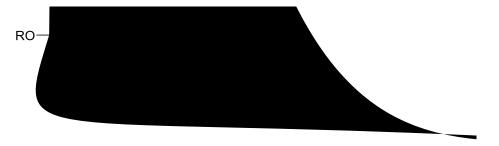
Towards compound **7**

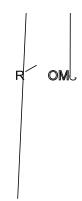


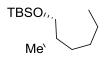


O-H bond activation



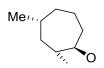




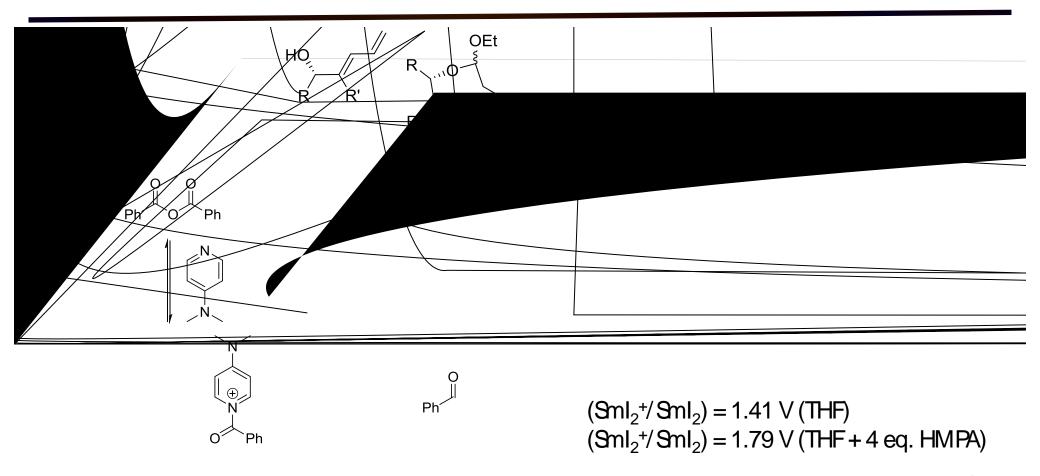


Carbonyl-ene reaction

Ueno-Stork Reaction

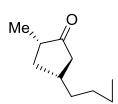


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Aldol condensation

DMP mechanism has been illustrated in the previous slide.



Epimerization



Cascade method



Final step