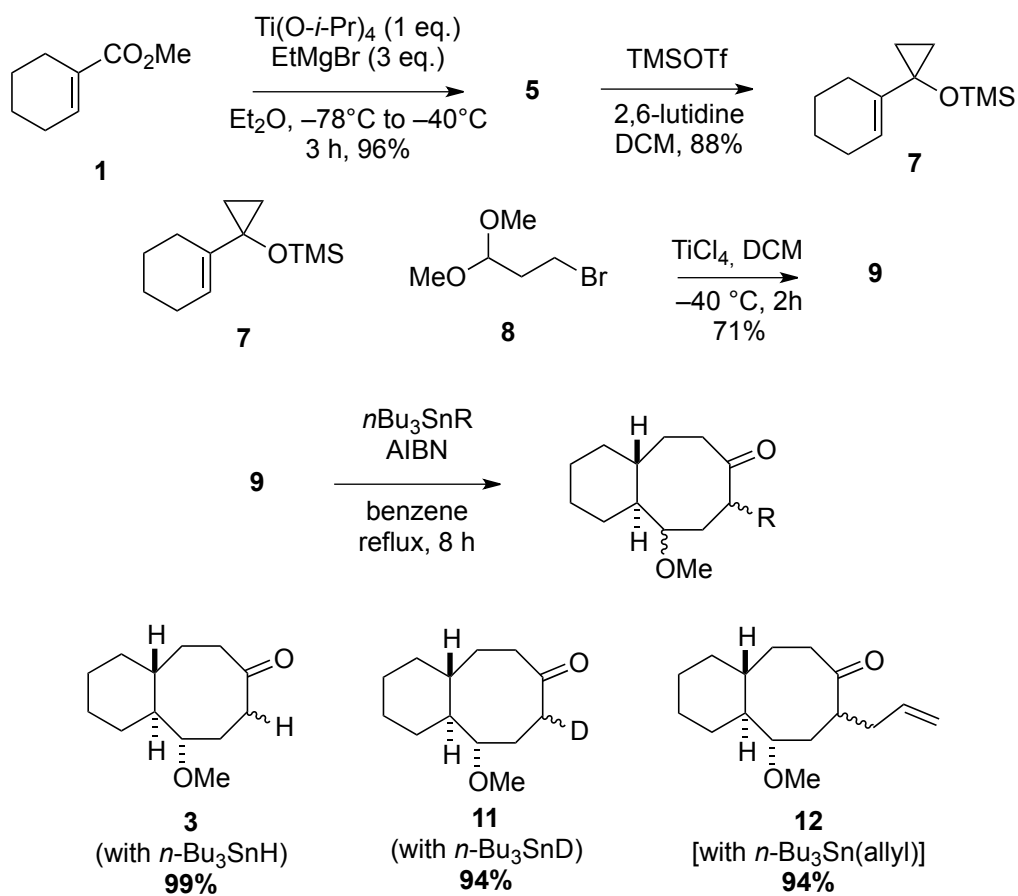


A modular approach to Eight-Membered Carbocycles



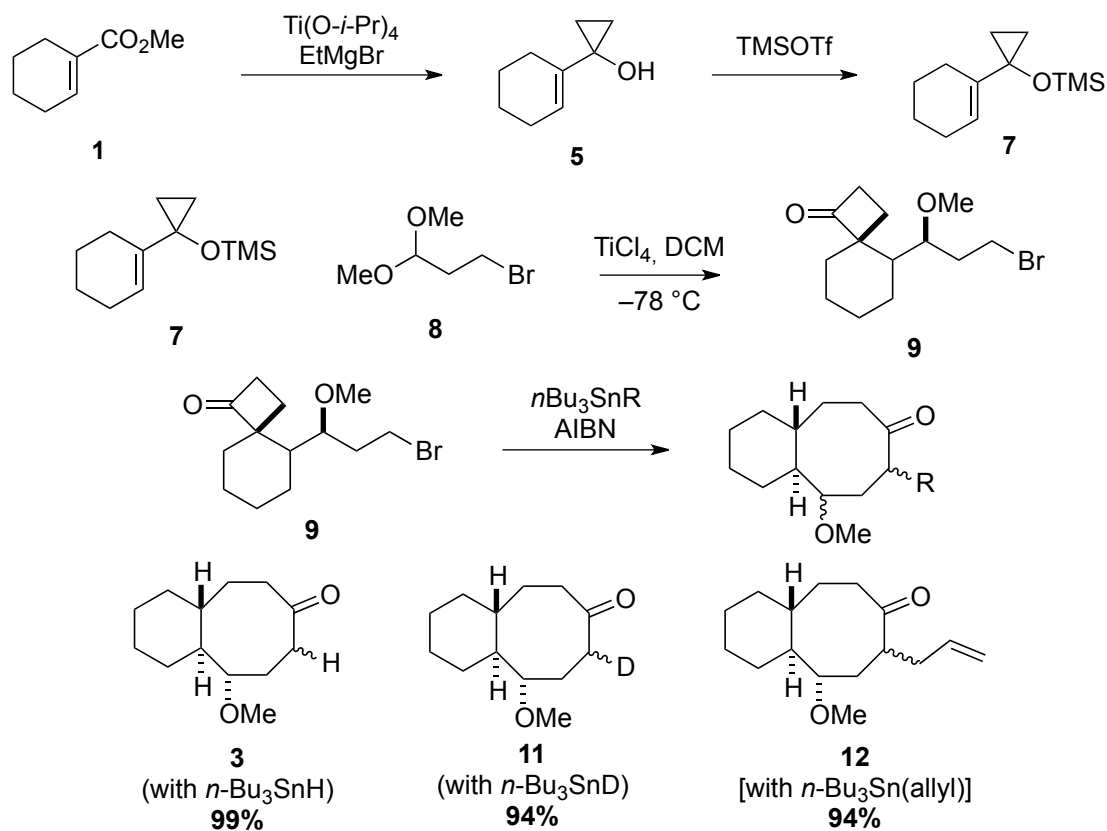
1/ Give the missing structure **5** and **9**.

2/ Give a mechanism for the transformations of **1** to **5** and **7** to **9**.

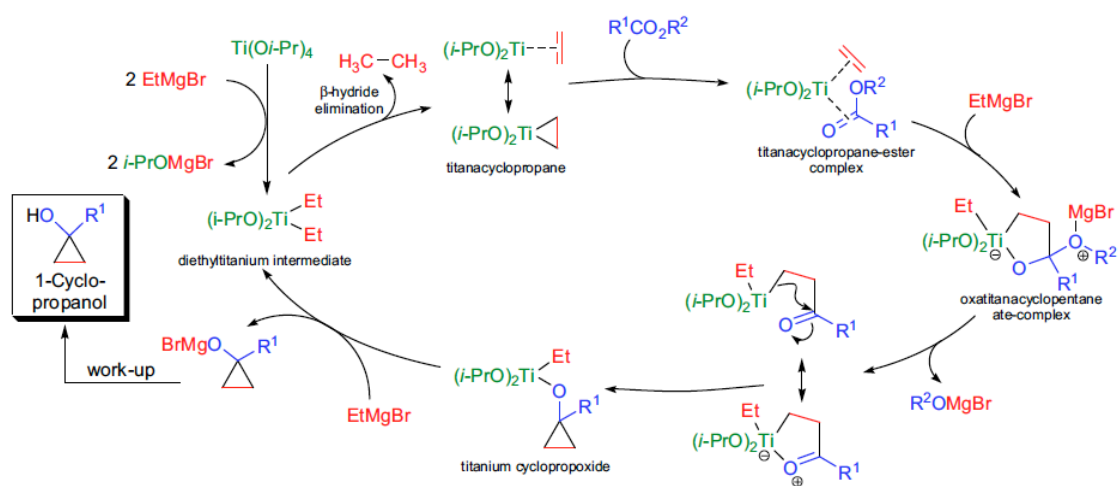
3/ Proposed a mechanism for the transformation of **9** (**9** to **3**)⁸⁸.

Solution:

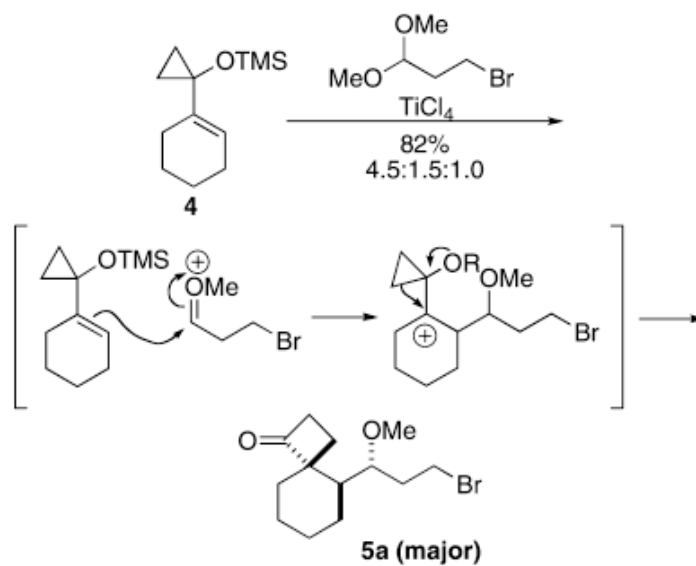
1/



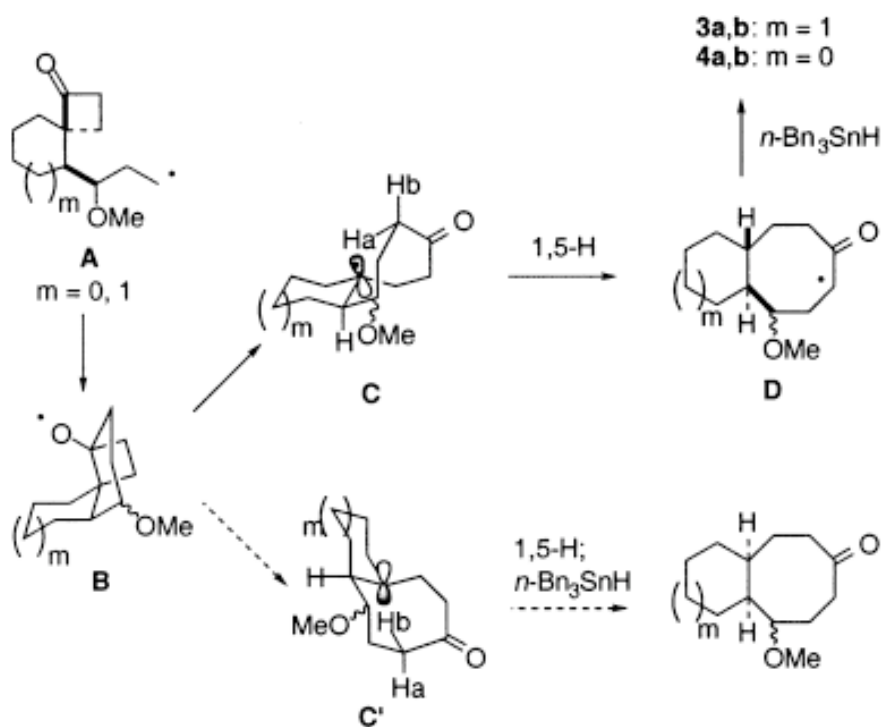
2/ 1 to 5 : Kulinkovich reaction (cyclopropanation)



7 to 9 : Prins reaction



3/

**References:**Oh, H.-S.; Lee, H. L.; Cha, J. K. *Org. Lett.* **2002**, 4, 21, 3707-3709.**Keywords:** Kulinkovich cyclopropanation, Prins reaction, radical cyclization/frangmentation,