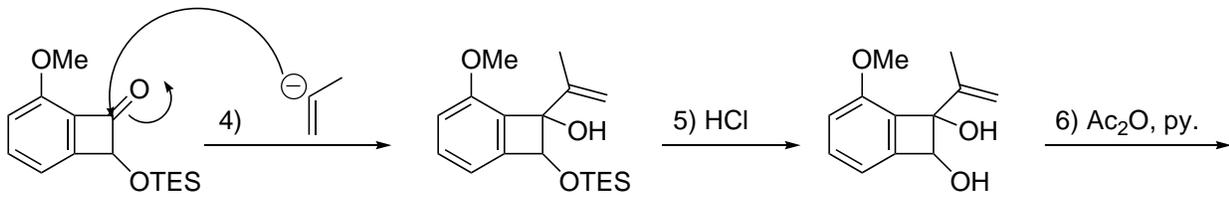


3) TESCI, Imid.

Reaction 3: Protection of the dihydroxy ketone with TESCI and imidazole to form a di-TES ether.

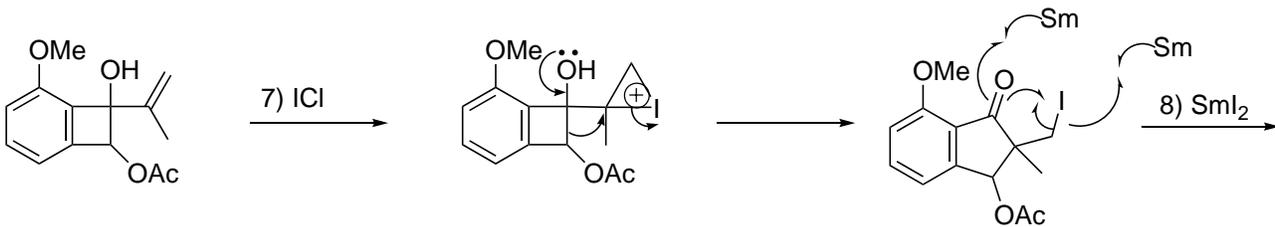


5) HCl

Reaction 5: Hydrolysis of the di-TES ether with HCl to form a dihydroxy ketone.

6) Ac_2O , py.

Reaction 6: Acetylation of the dihydroxy ketone with acetic anhydride (Ac_2O) and pyridine (py.) to form a diacetate.



8) SmI_2

Reaction 8: Radical cyclization of the α -iodo ketone with SmI_2 to form a bicyclic intermediate.

