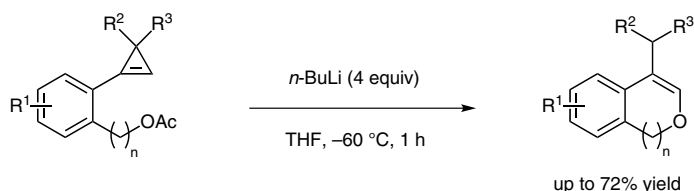
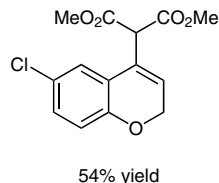
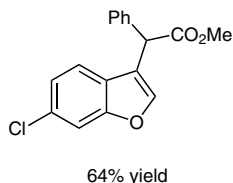
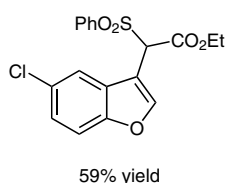
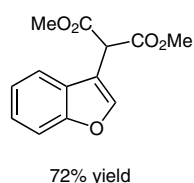


## *n*-BuLi-Initiated Ring-Opening Cyclization of Cyclopropene Derivatives

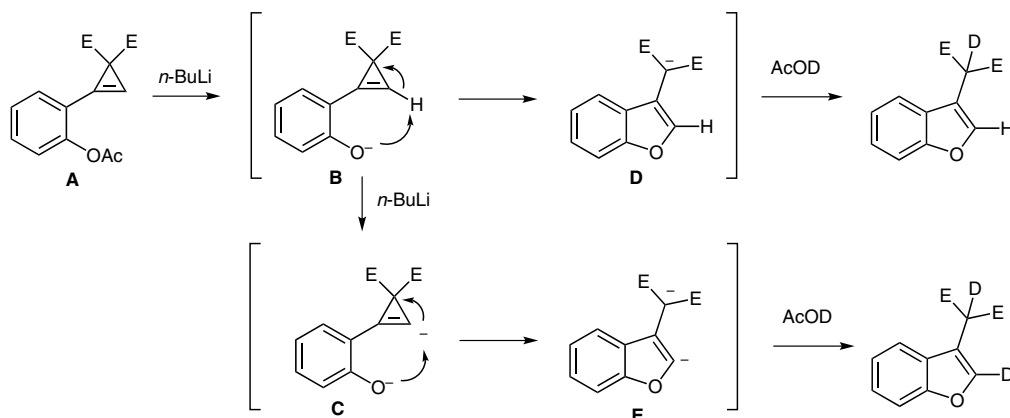


R<sup>1</sup> = H, Me, Cl, F  
R<sup>2</sup> = Ph, CO<sub>2</sub>Me, SO<sub>2</sub>Ph  
R<sup>3</sup> = CO<sub>2</sub>Me, CO<sub>2</sub>Et  
n = 0, 1

### Selected examples:



### Proposed mechanism:



**Significance:** The authors report a new access to benzocycles from cyclopropene derivatives. Treatment of 2-acetyl or 2-acetoxymethyl cyclopropenes with *n*-BuLi leads to deprotection and subsequent ring-opening cyclization to yield benzofurans and isochromenes in a one-pot procedure.

**Comment:** Based on deuterium experiments a plausible mechanism is proposed: The reaction of **A** with *n*-BuLi forms **B** and the oxygen anion in **B** attacks the cyclopropene moiety to give **D**. Alternatively, an excess of *n*-BuLi may further deprotonate the olefinic proton to generate dianion **C**, which may also undergo ring-opening cyclization to give **E**.