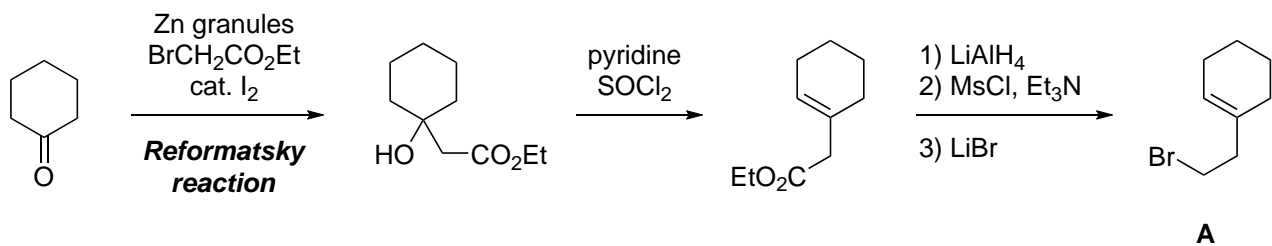(1) Synthetic route to **A**

(2) Mechanisms and intermediates from **B** to **E**

Horner-Wadsworth-Emmons (HWE) reaction
(Ando Modification)

TsOH·H₂O

A

B

A + **B**

Pd₂(dba)₃
AsPh₃, LiCl

Stille coupling

TMSOK

RQN-18690A