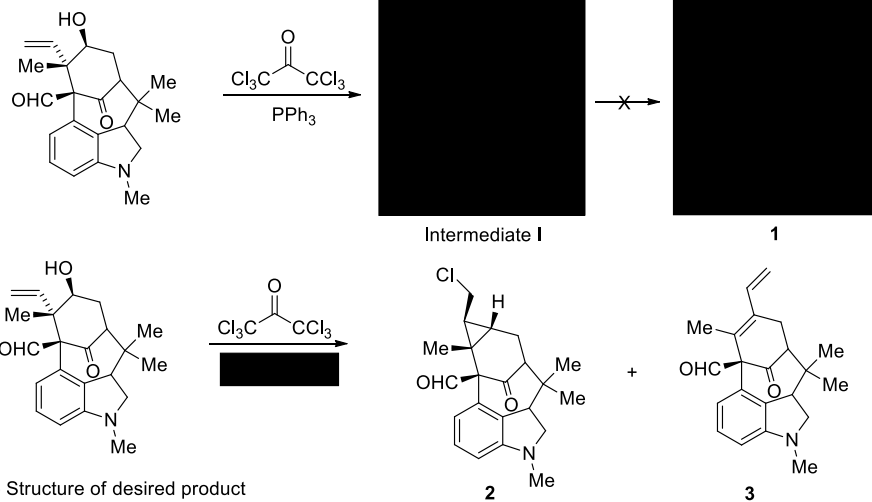


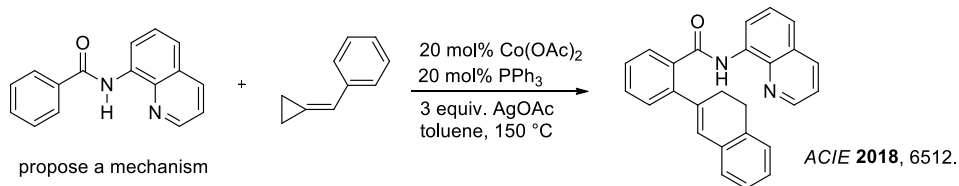
1)



- 1) Structure of desired product
- 2) Structure of isolated intermediate I
- 3) How to change reaction conditions?
- 4) Mechanism for the formation of non-desired **2** and **3**
- 5) How to modify the substrate to get the desired transformation?

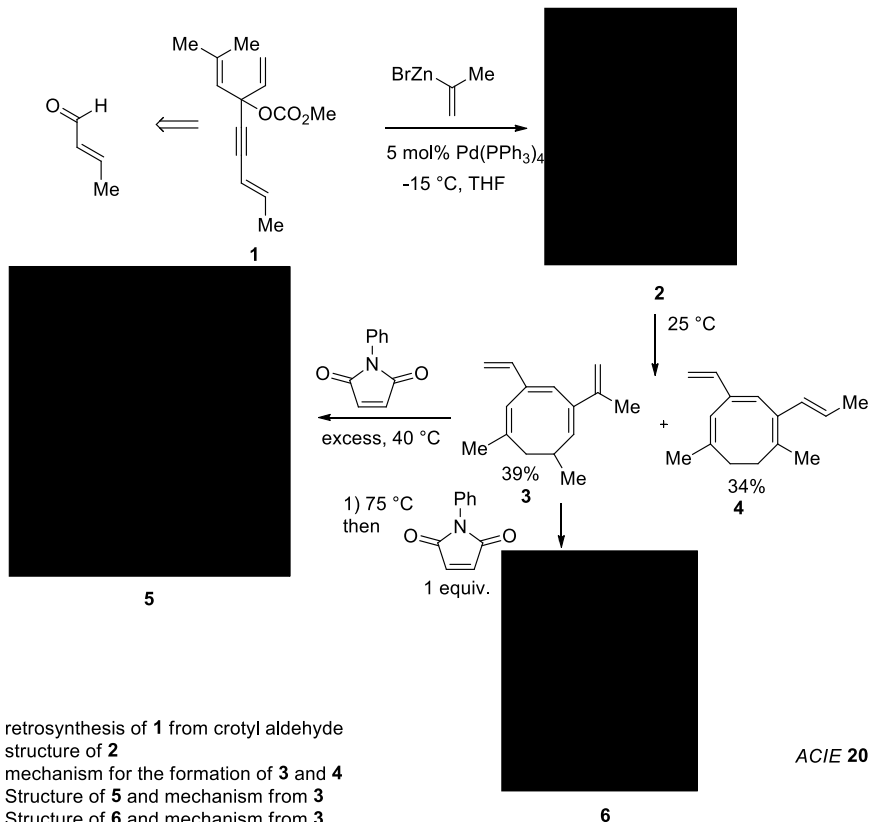
Chem. Commun. **2011**, 9705.

2)



propose a mechanism

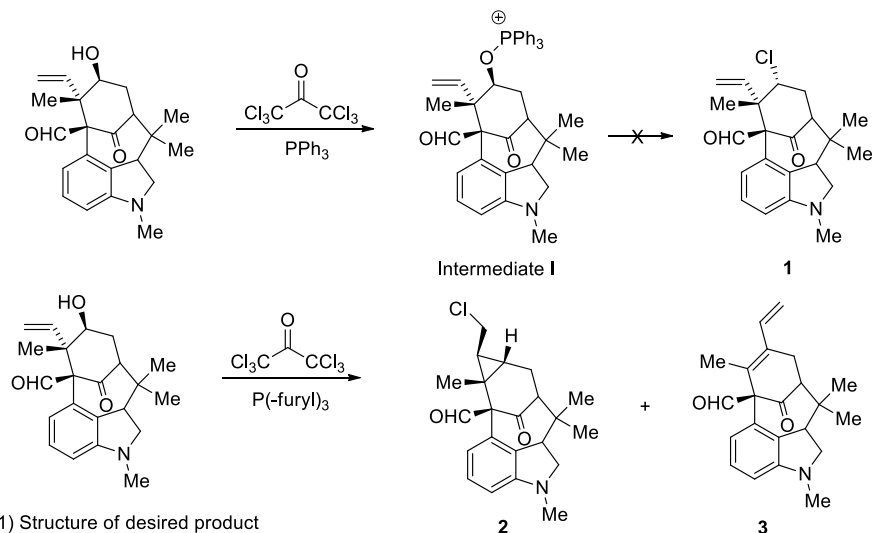
3)



- 1) retrosynthesis of **1** from crotyl aldehyde
- 2) structure of **2**
- 3) mechanism for the formation of **3** and **4**
- 4) Structure of **5** and mechanism from **3**
- 5) Structure of **6** and mechanism from **3**

ACIE **2019**, 14573.

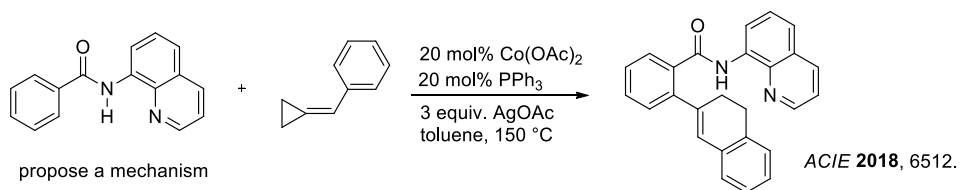
1)



- 1) Structure of desired product
- 2) Structure of isolated intermediate I
- 3) How to change reaction conditions?
- 4) Mechanism for the formation of non-desired **2** and **3**
- 5) How to modify the substrate to get the desired transformation?

Chem. Commun. **2011**, 9705.

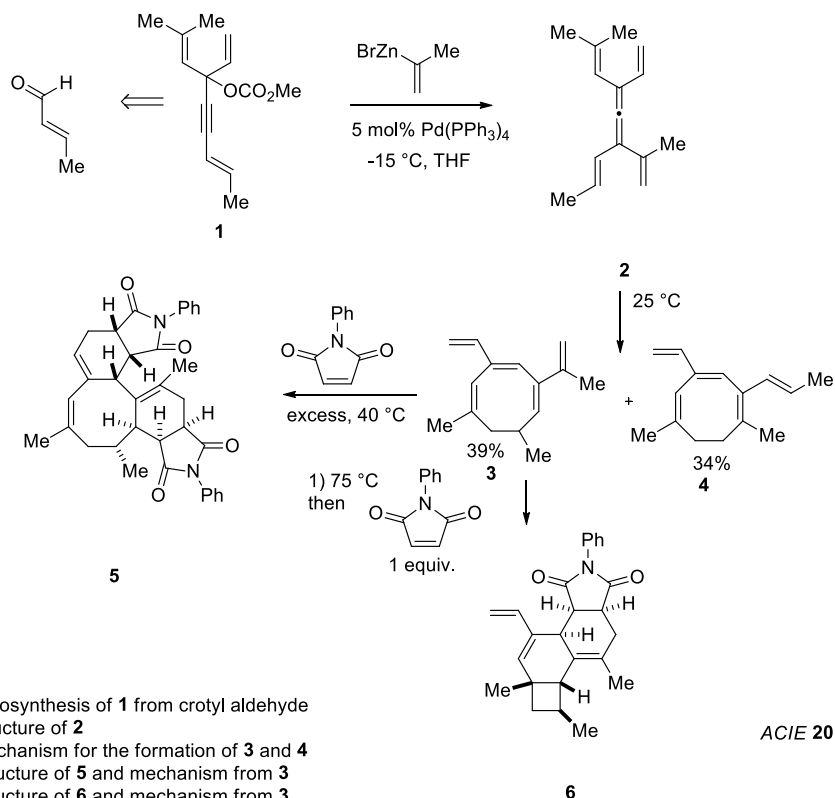
2)



propose a mechanism

ACIE **2018**, 6512.

3)



- 1) retrosynthesis of **1** from crotyl aldehyde
- 2) structure of **2**
- 3) mechanism for the formation of **3** and **4**
- 4) Structure of **5** and mechanism from **3**
- 5) Structure of **6** and mechanism from **3**

ACIE **2019**, 14573.