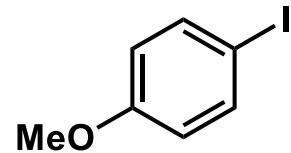
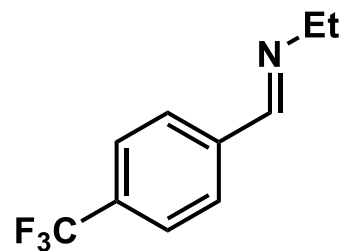


1.

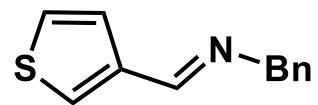


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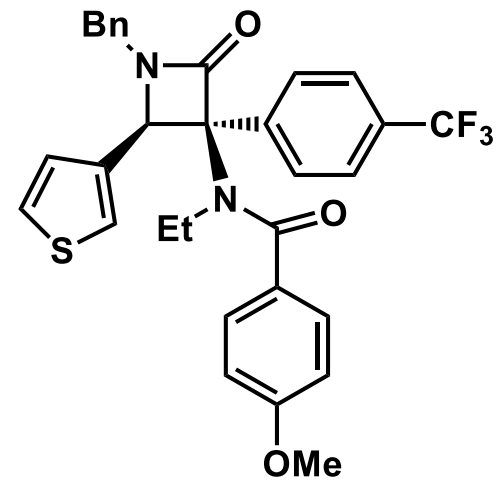


1) Pd(P^tBu₃)₂ (5 mol%)
CO, DIPEA, TBAC
MeCN, 40 °C, 24 h

2)

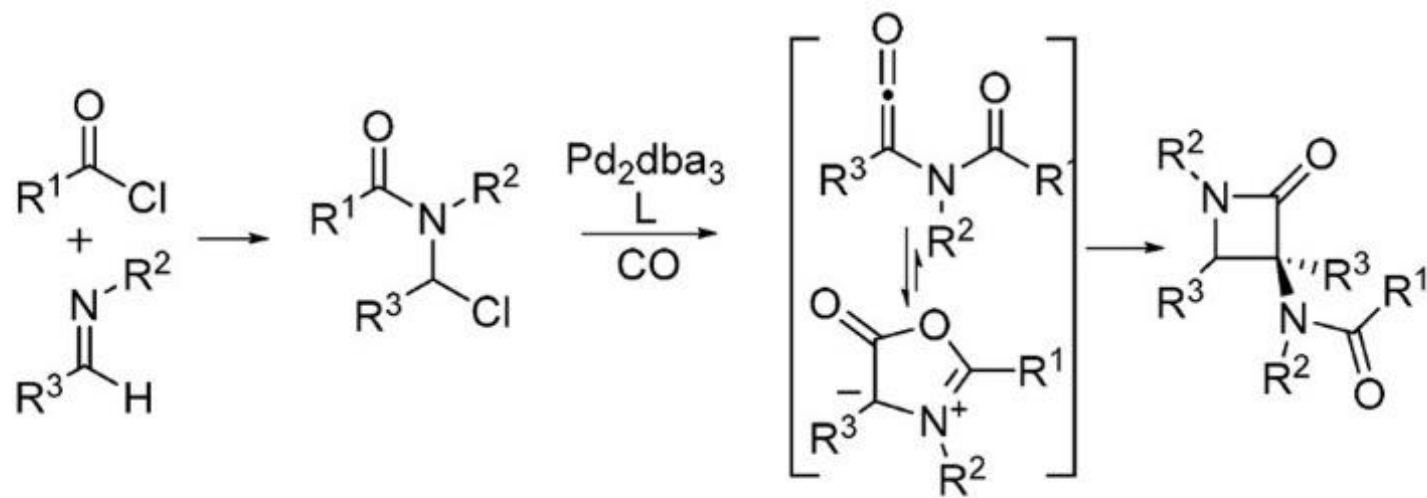
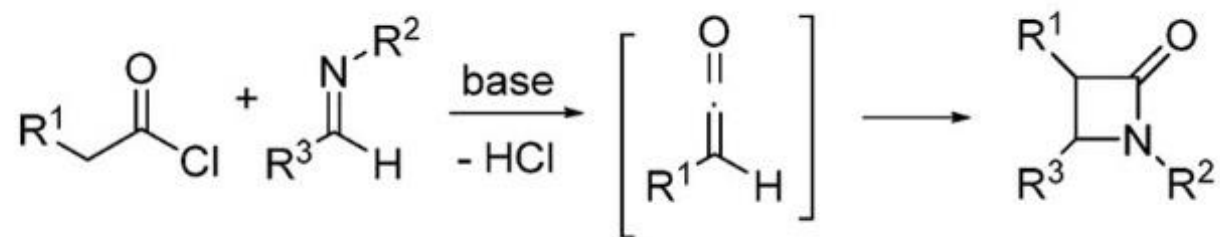


PhH, 70 °C, 24 h



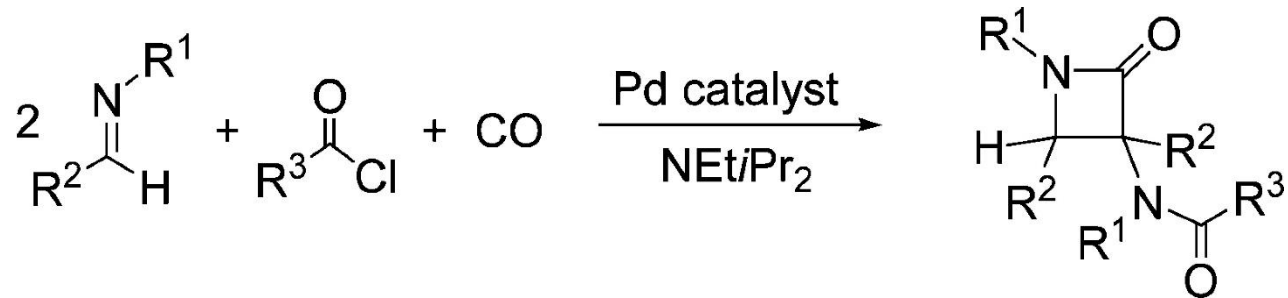
J. Org. Chem., **2016**, *81*, 12106.

a. Acid chloride-based approaches to β -lactam synthesis

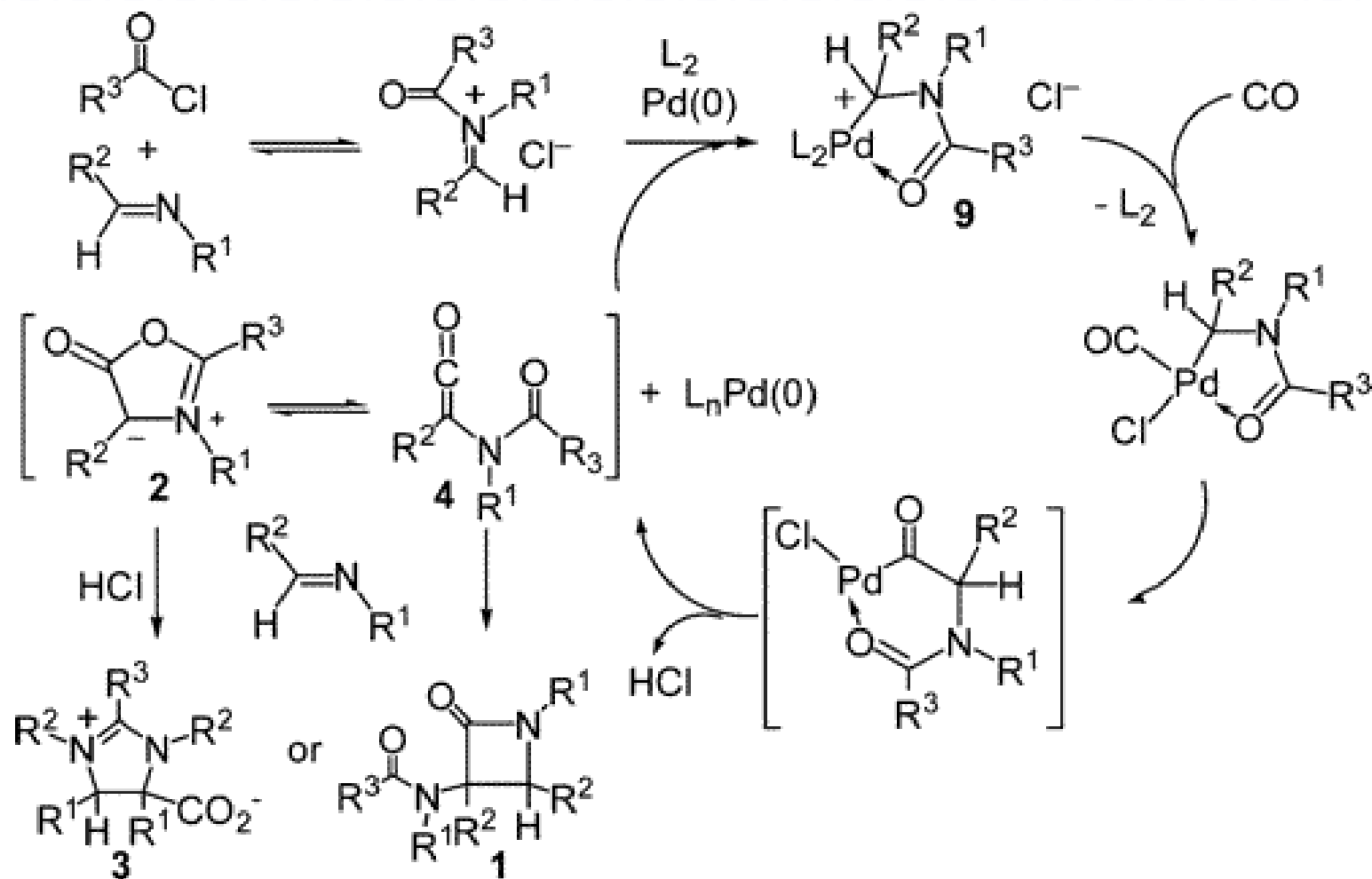


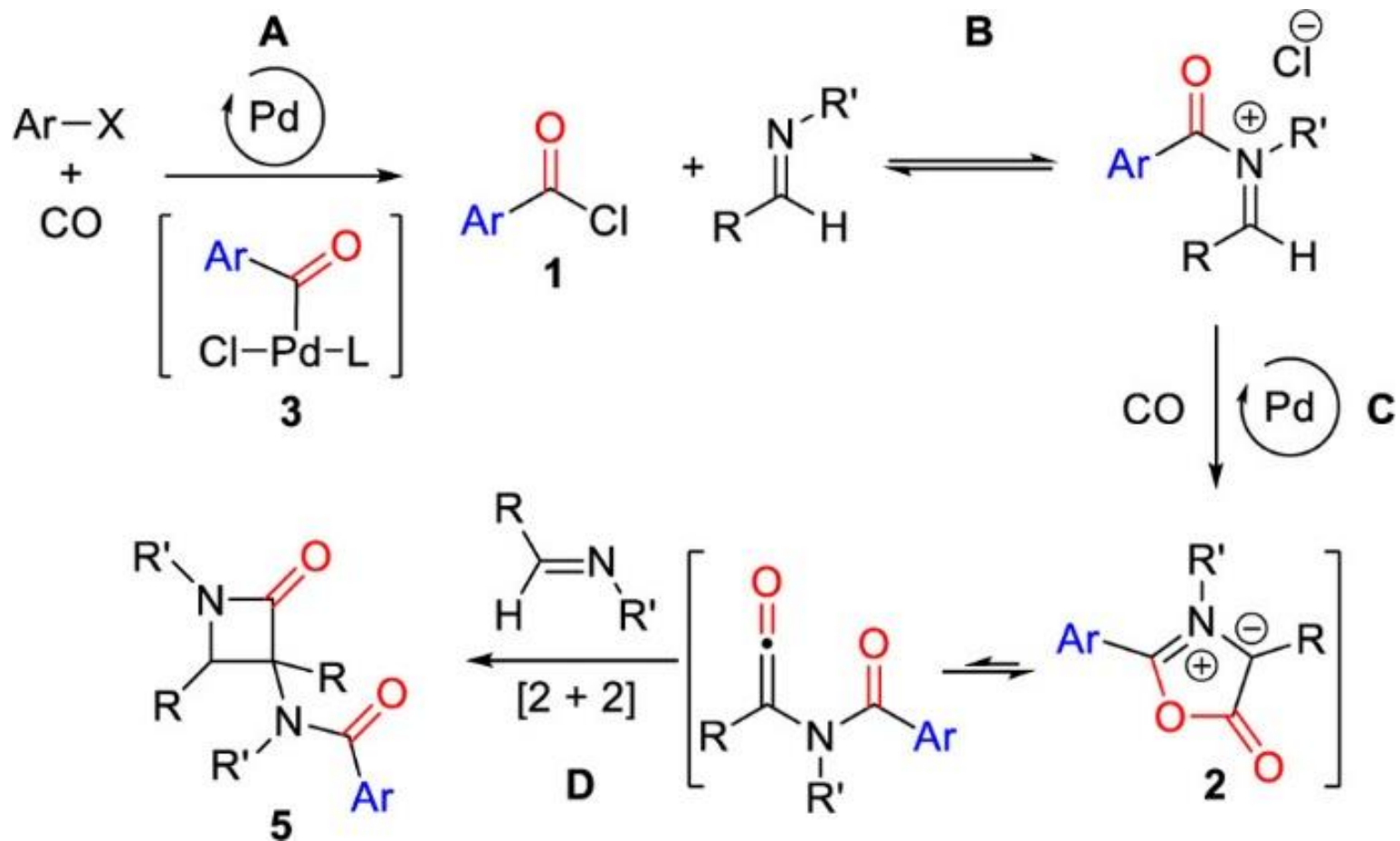
b. This work

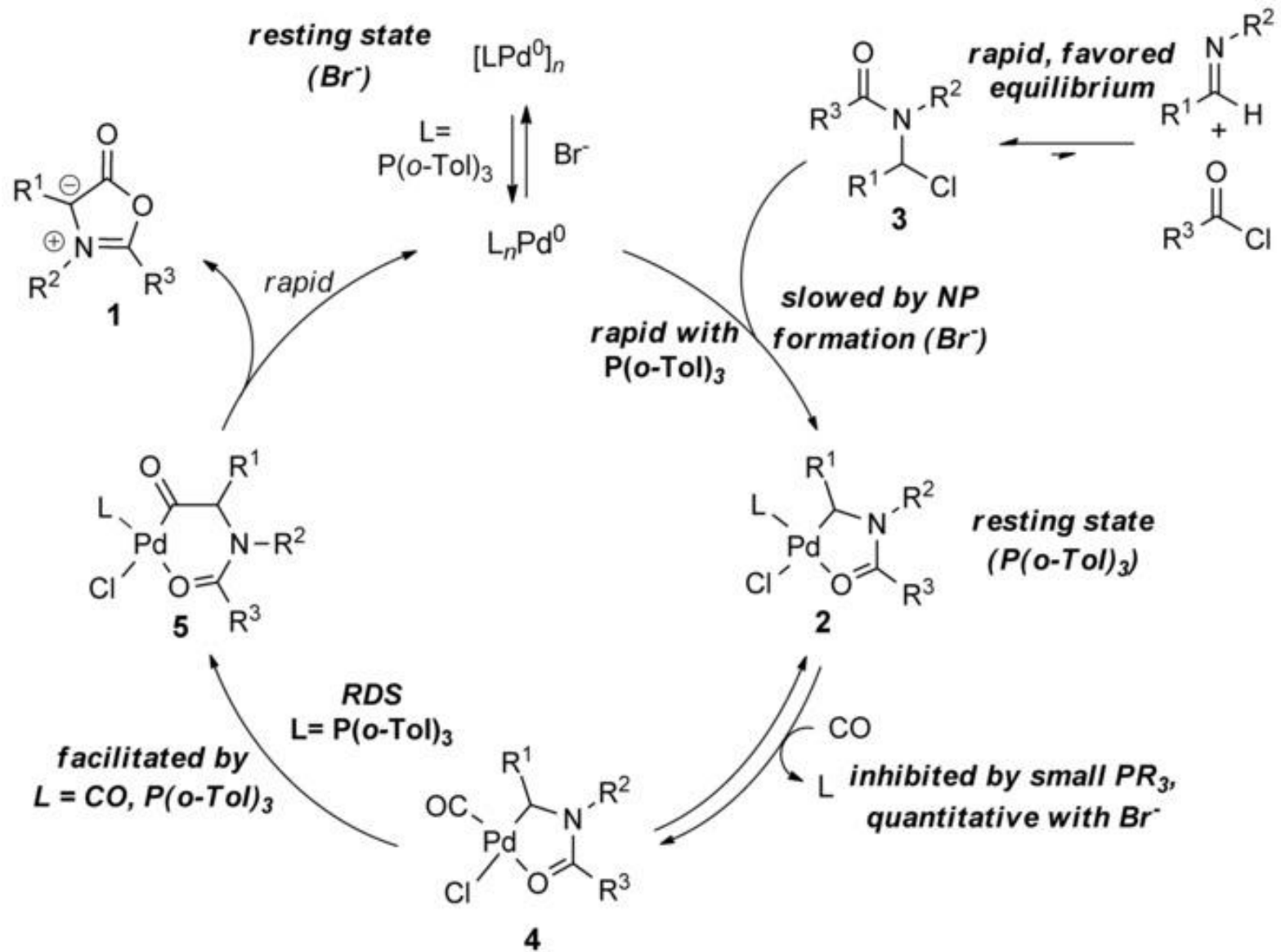




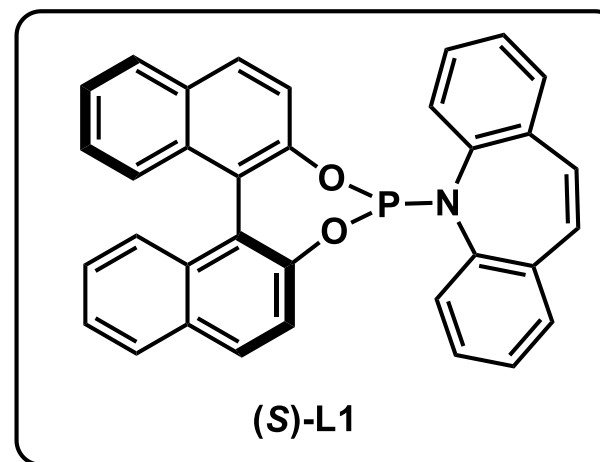
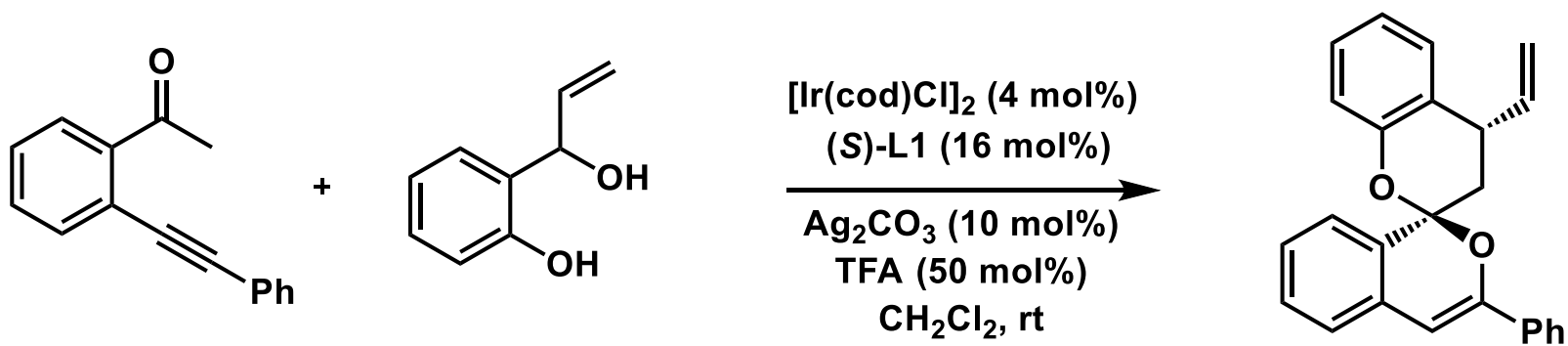
Org. Lett., 2006, 8, 3927.





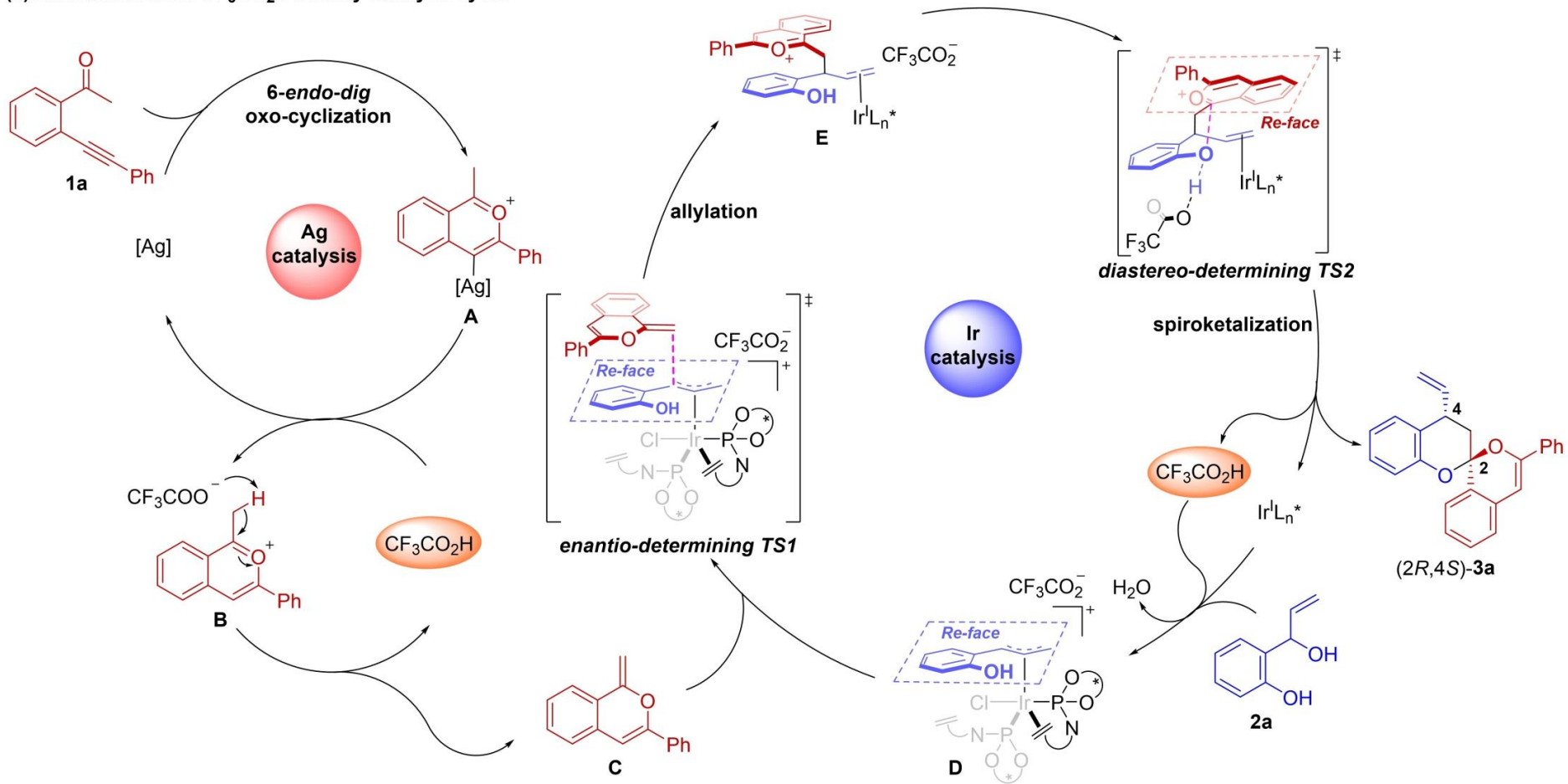


2.

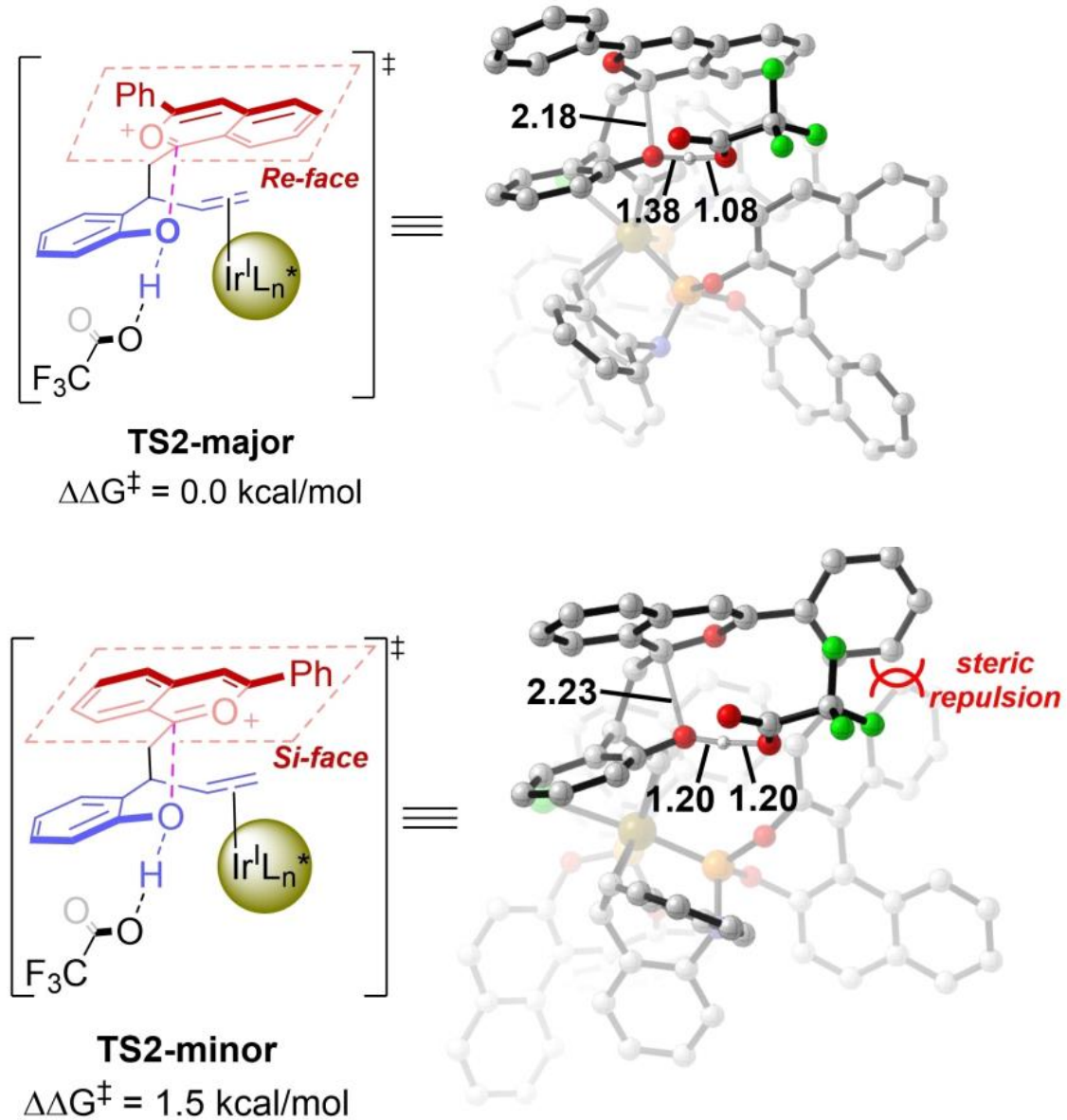


DOI: 10.1002/anie.202210207.

(a) An iridium/silver/CF₃CO₂H ternary catalytic cycle

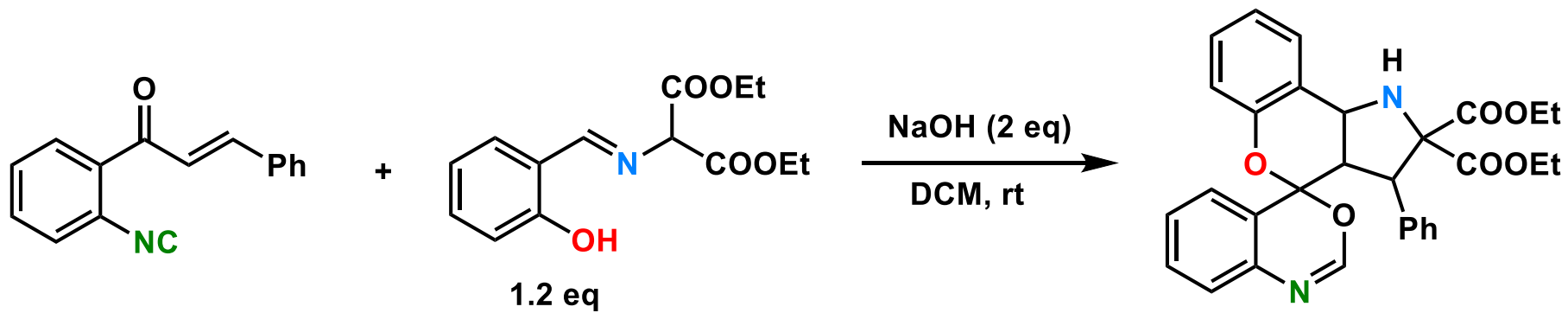


(b) The origin of diastereoselectivity in the spiroketalization step

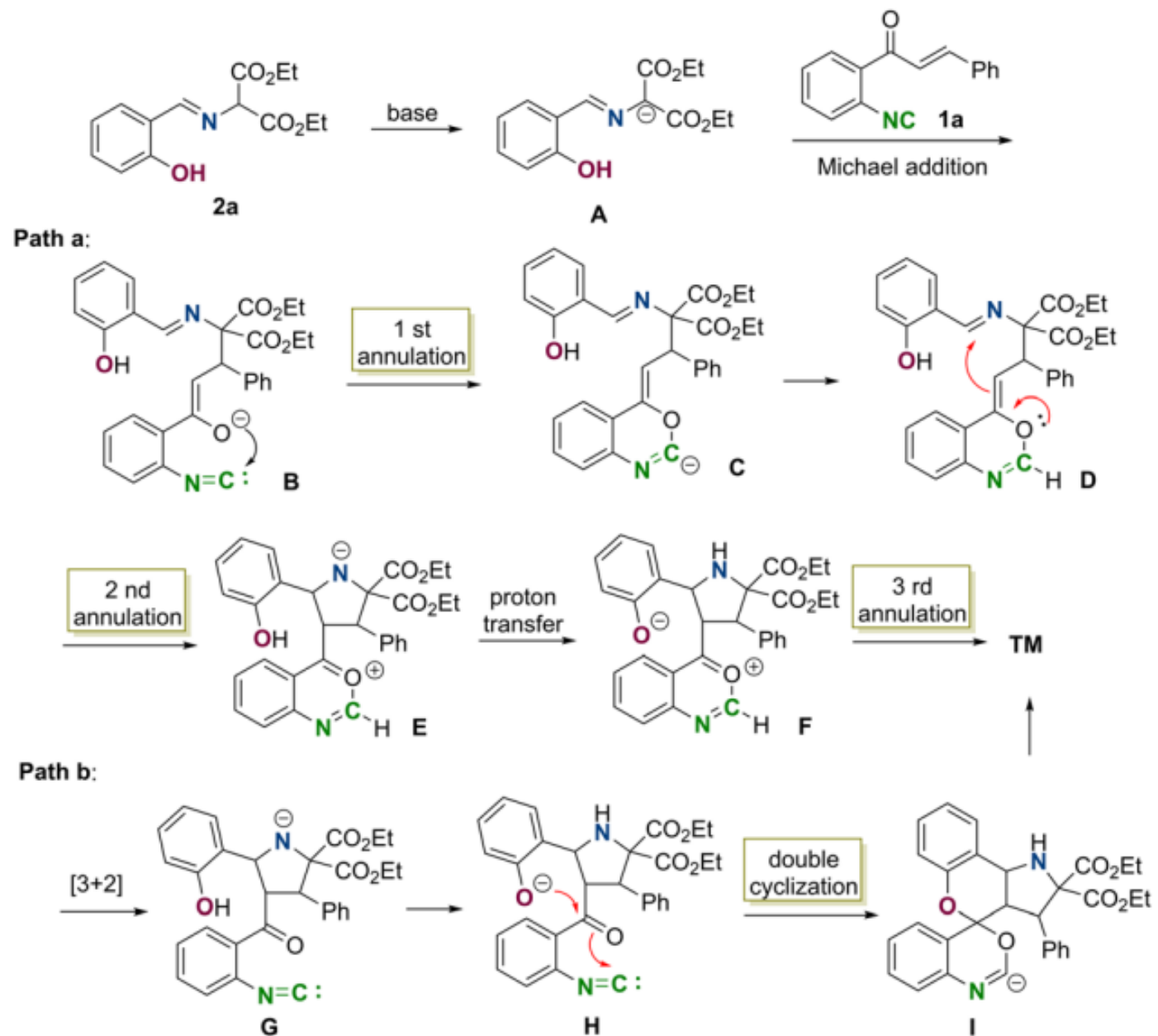


Scheme 7. Proposed reaction mechanism for the cascade cycloisomerization/allylation/spiroketalization reaction.

3.



DOI: 10.1039/d2cc02454c.



Scheme 5 Possible mechanism.