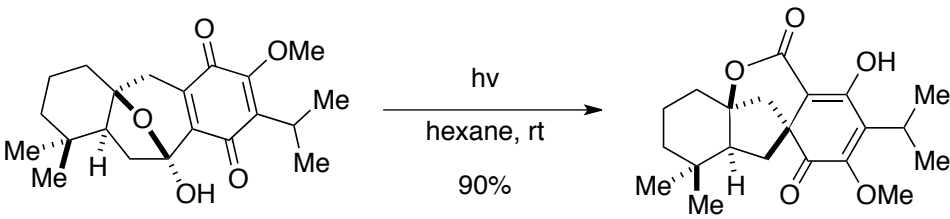Name

1.

problem 04/28/2018 Q3
G. Majetich and J. Yu, *Org. Lett.*, **10**, 89 (2008)

2.

fac-Ir(ppy)₃ (0.2 mol%)

DMSO, rt
5W blue LEDs

67%
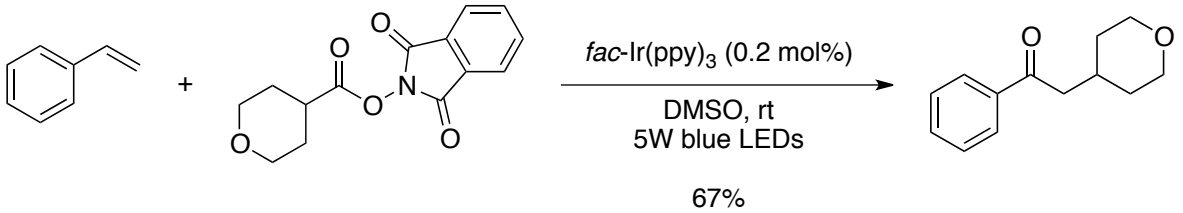
problem 03/10/2018 Q4
F. Glorius *et al.*, *Org. Lett.*, **20**, 1546 (2018)

3.

1)
Me Me
AcO⟋$\overset{}{}$COCl (2 eq)
MeCN

2) NaOMe, THF
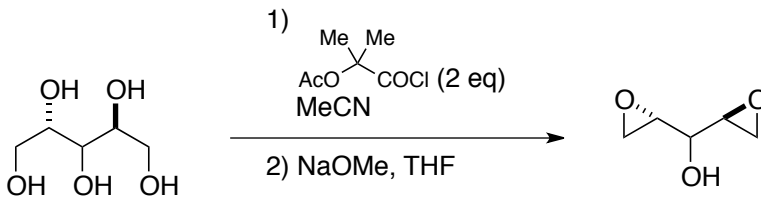
演習で学ぶ有機反応機構（化学同人）C070
S. Shreiber *et al.*, *J. Org. Chem.*, **54**, 15 (1989)

4.

Et₃B (5.0 equiv)
(O₂)

benzene, rt

95%
dr = 1:1
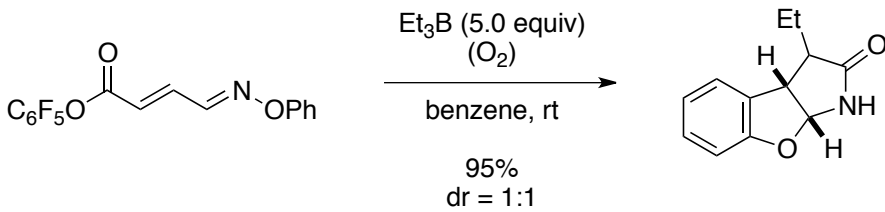
O. Miyata *et al.*, *Chem. Eur. J.*, **20**, 6763 (2014)

5.

PhI(OCOCF₃)₂ (1 eq)
(CF₃)₂CHOH, 0 °C;

NaBH₄, rt;
aq. HCl, 0 °C

63%
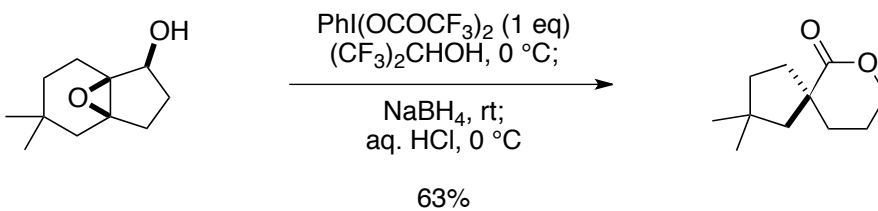
Y. Kita *et al.*, *Heterocycles*, **66**, 309 (2005)

6.

Pd(OAc)₂ (1 mol%)
pyrrolidine (10 mol%)
n-Bu₄NCl, NaHCO₃

DMF, 60 °C

81%
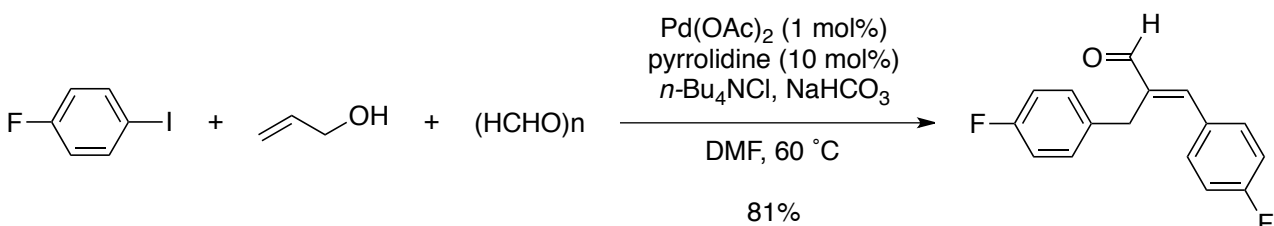
Z. Huang *et al.*, *Chem. Commun.*, **47**, 3995 (2011)