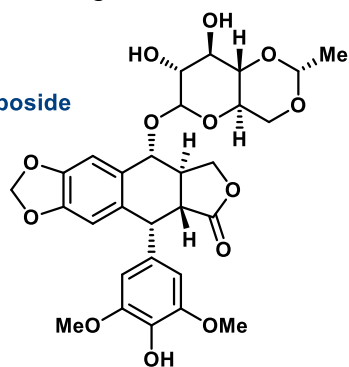
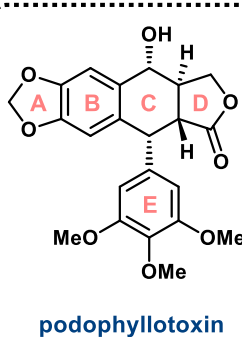
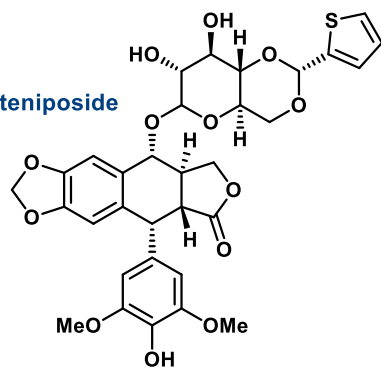


Aryltetralin Lignans:

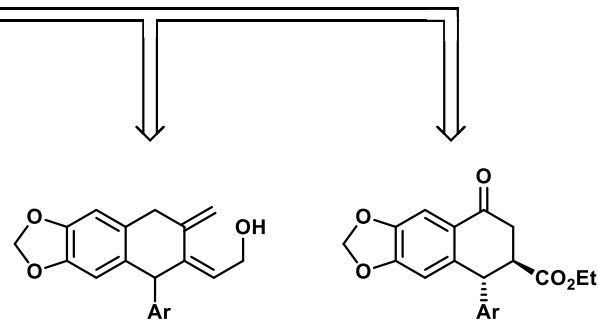
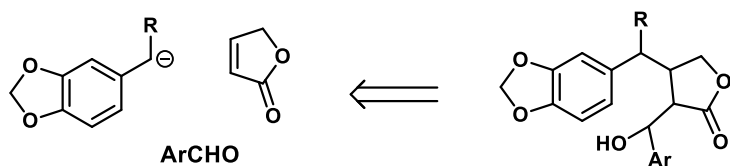
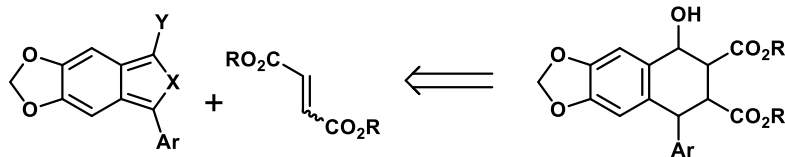
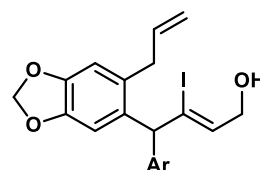
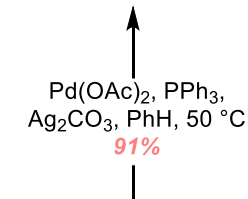
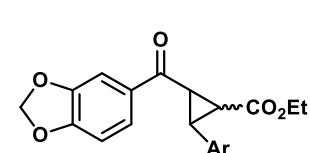
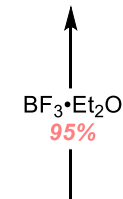
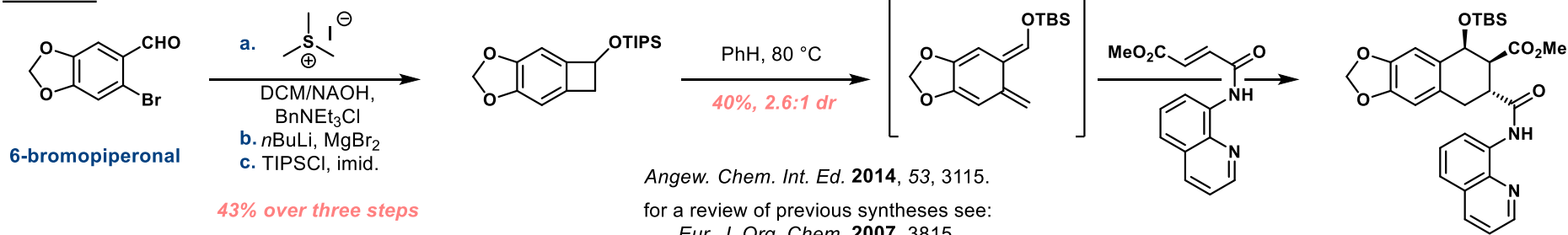
etoposide



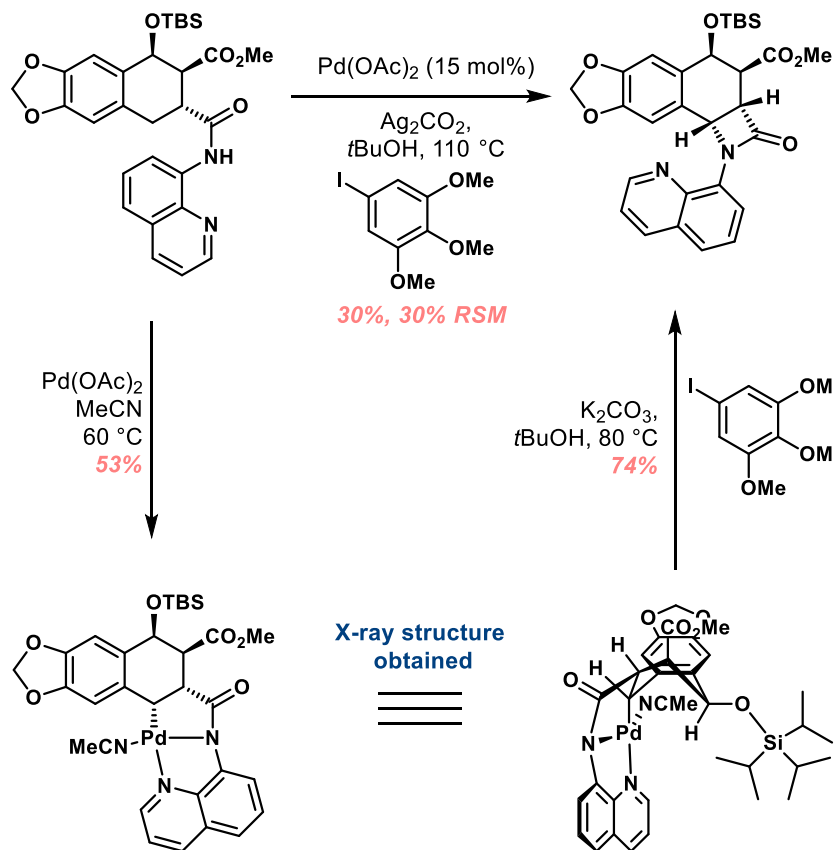
teniposide



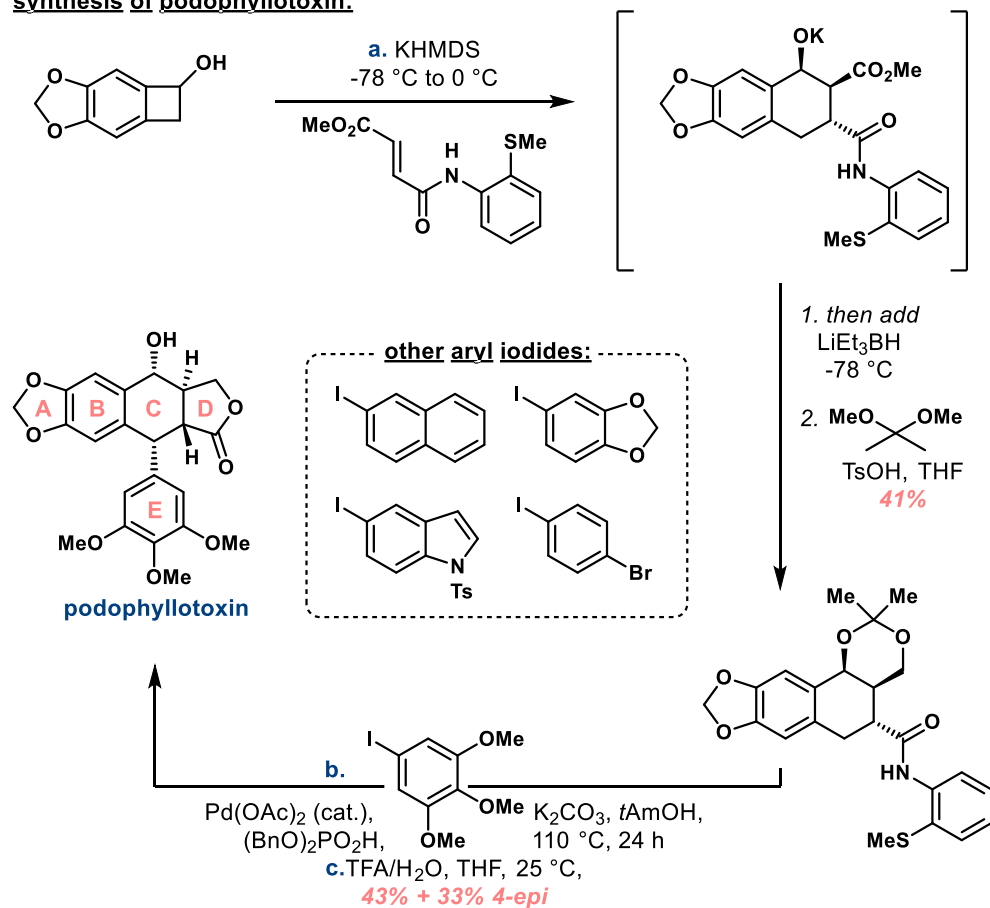
podophyllotoxin

Other examples of C-ring formation:**C-ring formation by aryl substitution:****C-ring formation by cycloaddition:**Eur. J. Org. Chem. **2007**, 3815.Org. Lett. **2004**, 6, 1325.J. Chem. Soc., Perkin
Trans. 1 **1982**, 271..**Maimone:**Angew. Chem. Int. Ed. **2014**, 53, 3115.for a review of previous syntheses see:
Eur. J. Org. Chem. **2007**, 3815.

initial attempts at C-H arylation:



synthesis of podophyllotoxin:



test of hypothesis:

