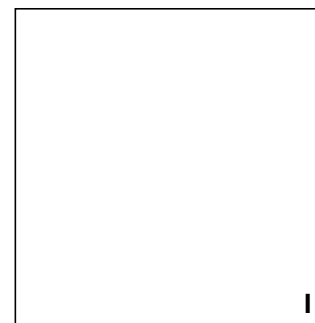


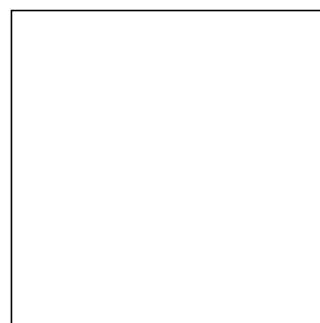
15) CuTC, AsPh₃, Pd₂(dba)₃,
toluene/DMF, 80 °C, **70%**



16) NEt₃, TESOTf, CH₂Cl₂,
-78 to 0 °C
17) TBAF/AcOH, THF, 0 °C,
44%

18) CuCl, Pd(OAc)₂, air,
DMF/H₂O, rt, **41%**

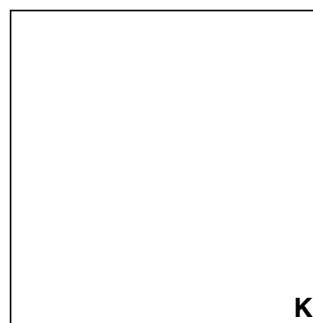
18) Name?



20) **Z**, LiHMDS, THF, -78 °C,
75%

21) MeOH, mesitylene, 120 °C,
sealed tube, **32%**

20) Name?



19) pyrrolidine, pyrrolidine*HCl,
DMF, rt, **26%**

