

1) Ni(acac)₂, L₁
Zn(CN)₂, Mn(0)
MeCN/H₂O, 50 °C
2) TESOTf, 2,6-lutidine
DCM, 0 °C
59% (2 steps)
Mechanism of 1)?



1) DIBAL-H,
tol, -78 °C, **61%**
2) 2-bromopropene
t-BuLi, Et₂O, -78 °C
3) TBAF, THF, 0 °C
4) IBX, DCM/DMSO, r.t.
66% (3 steps)

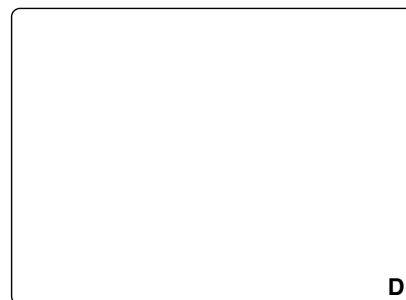
Structure of IBX?
Mechanism of 4)?



B(C₆F₅)₃, tol, r.t.
then TESOTf
2,6-lutidine
0 °C to r.t.
Name?



1) KHMDS, THF
then O₂, P(OEt)₃
28% (2 steps)
2) **1**, 2,6-lutidine
DCM, 0 °C



1) LDA, THF, -30 °C
81% (2 steps)
2) MeMgCl
MTBE, -12 °C, **76%**

