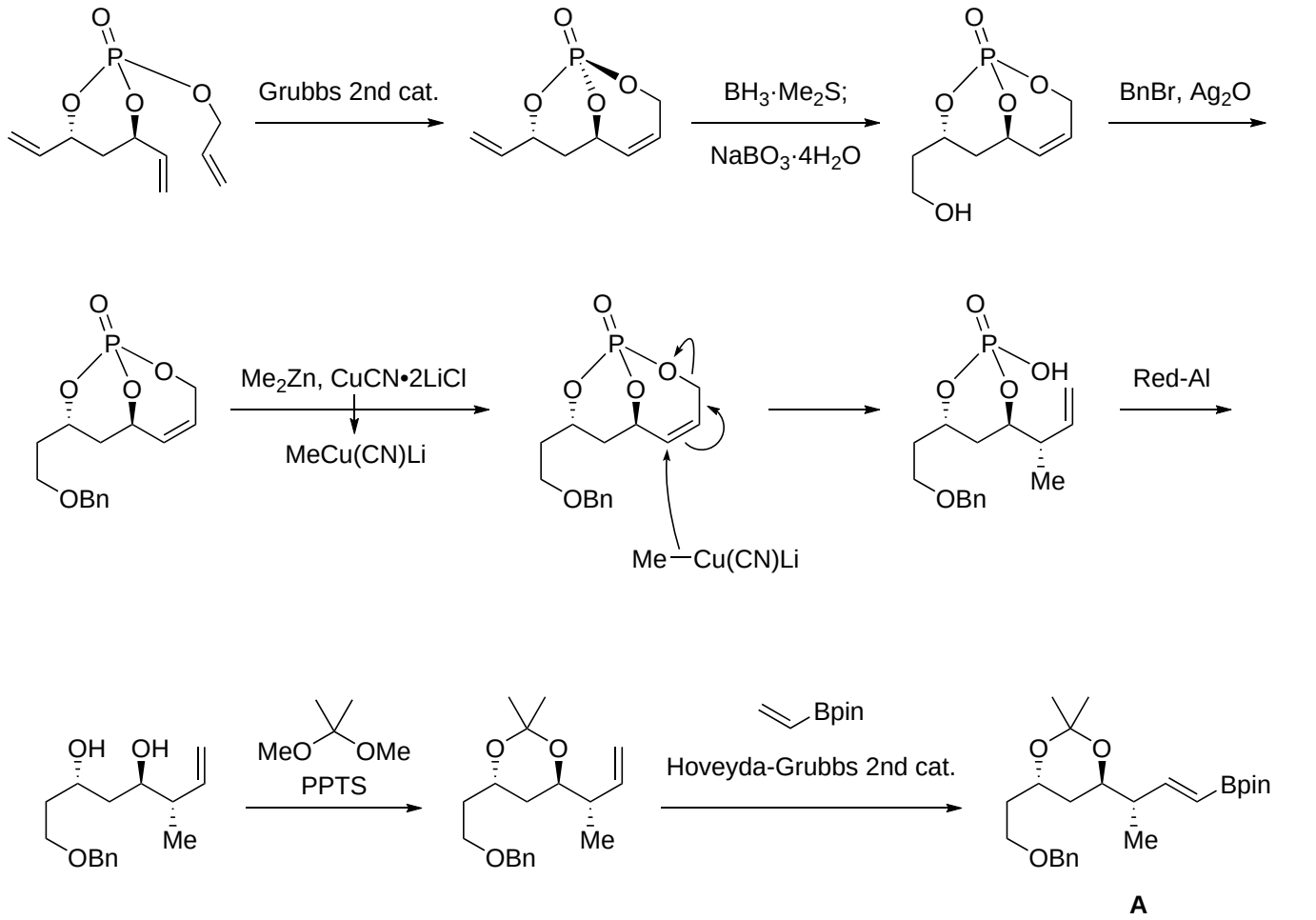
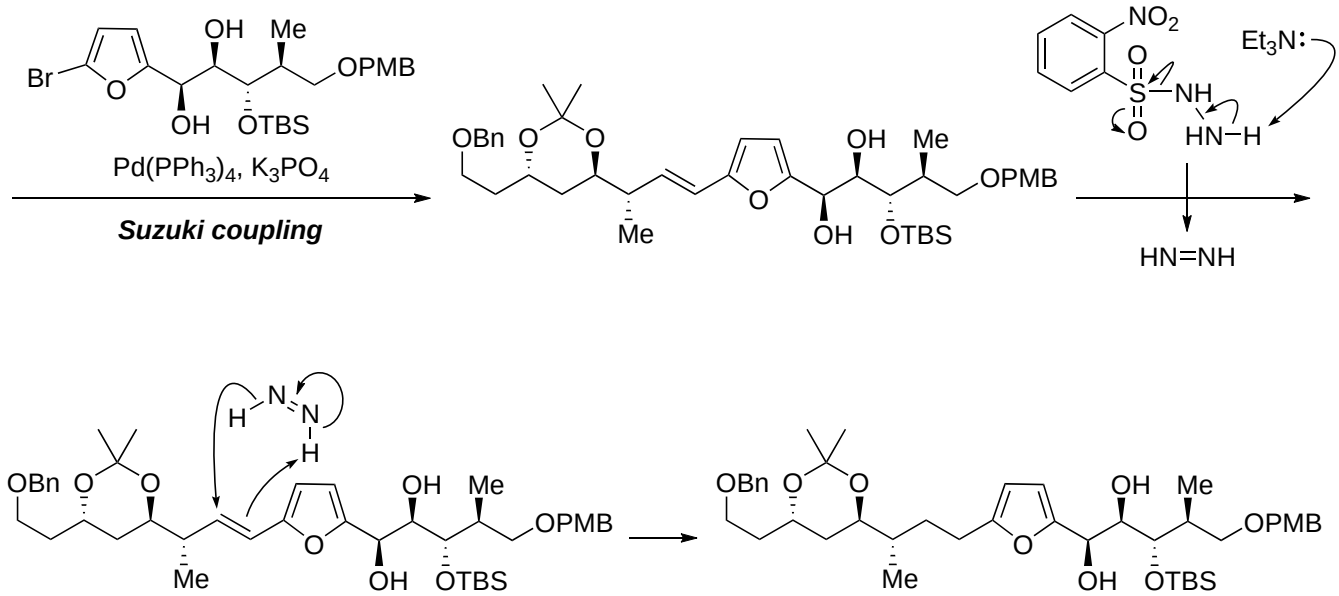
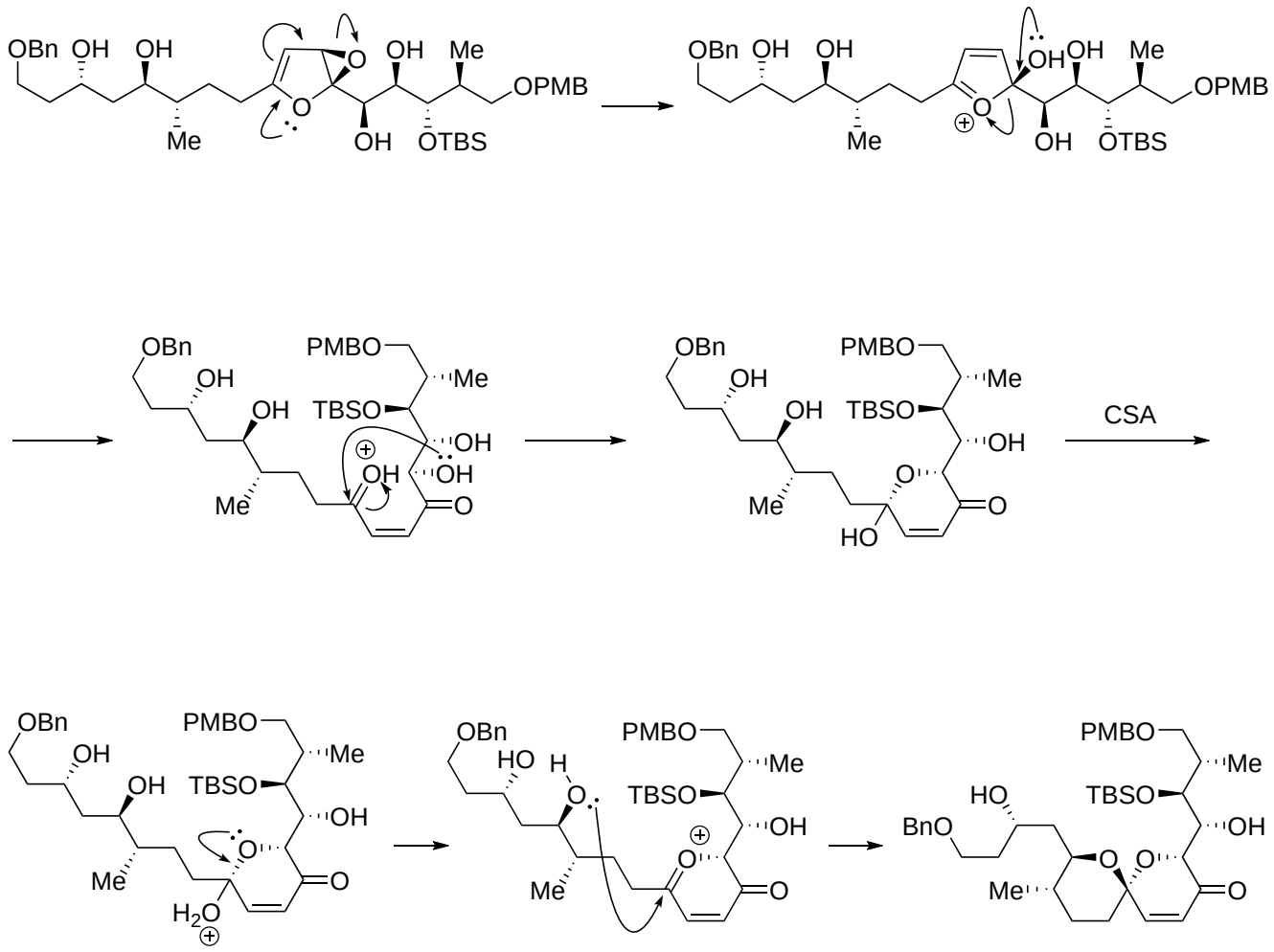
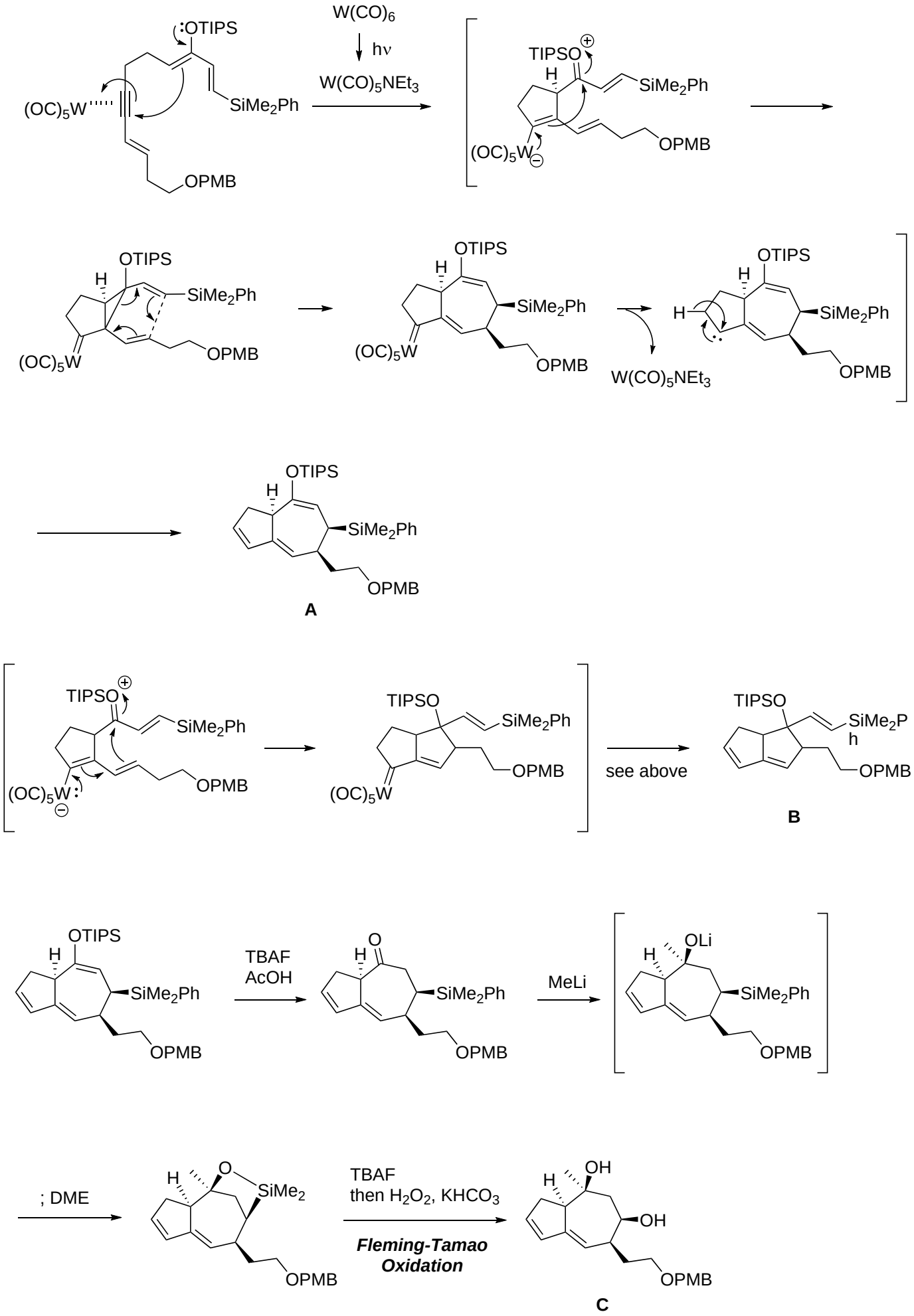

Grubbs 2nd cat.
BH3·Me2S;
NaBO3·4H2O
BnBr, Ag2O
Me2Zn, CuCN•2LiCl
MeCu(CN)Li
Me—Cu(CN)Li
Red-Al
MeO OMe
PPTS
Bpin
Hoveyda-Grubbs 2nd cat.
A


Pd(PPh3)4, K3PO4
Suzuki coupling
Et3N:
HN=NH
CSA, MeOH
m-CPBA
Achmatowicz reaction


OBn
OH
OH
Me
OPMB
OTBS
PMBO
TBSO
CSA
HO
BnO
H
H_2O


W(CO)6
hν
W(CO)5NEt3
:OTIPS
(OC)5W
SiMe2Ph
OPMB
TIPSO
H
(OC)5W
W(CO)5NEt3
A
B
see above
TBAF
AcOH
MeLi
OLi
; DME
SiMe2
TBAF
then H2O2, KHCO3
Fleming-Tamao
Oxidation
OH
C