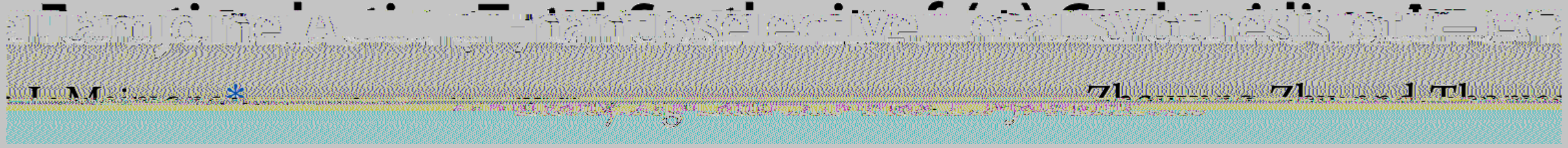

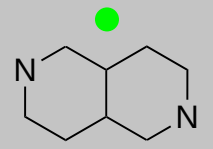

! "#$%&' ()! "$)&' *)+"# , &-)./) 0 &1 , # ' 2)

3456 7)8948 : ;8944<

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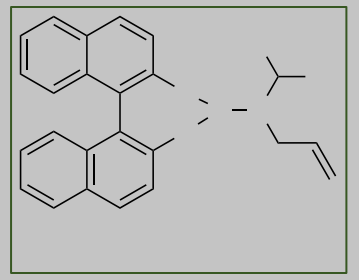
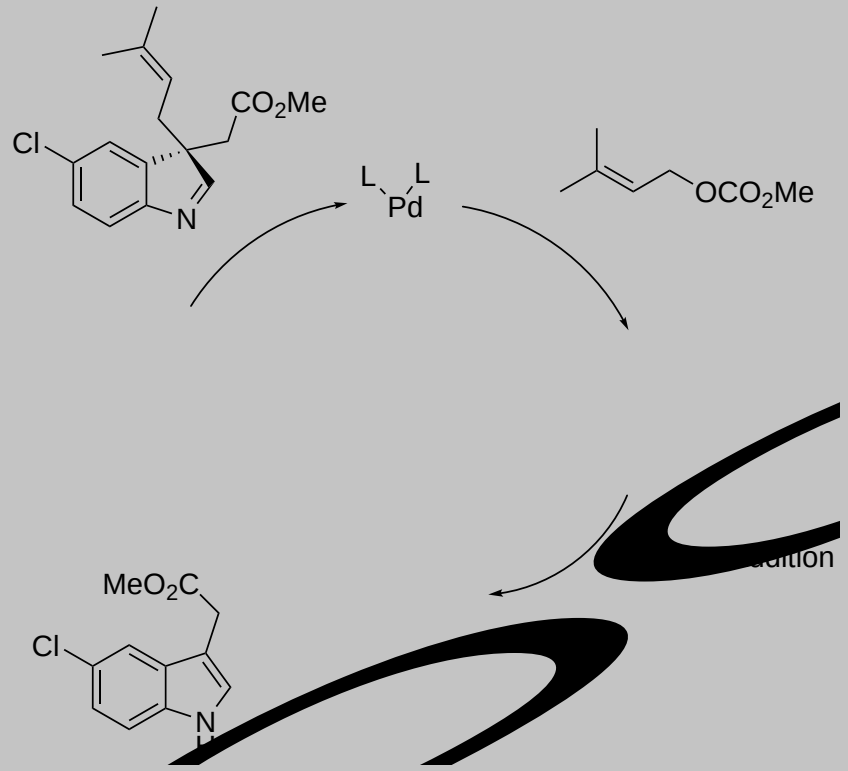
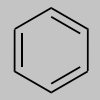
-)+%-"(
. ' /0 1 (02%34%5657

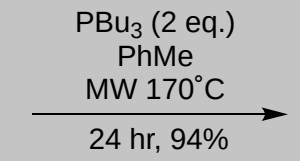


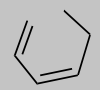
! "#$%&'#$! () *+,&'-. *

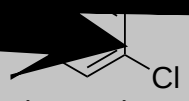

CO2Me
Cl
N
L
L
Pd
OCO2Me
MeO2C
Cl
N

! "#$‰# *' $"‰(#$"$‰#*) –

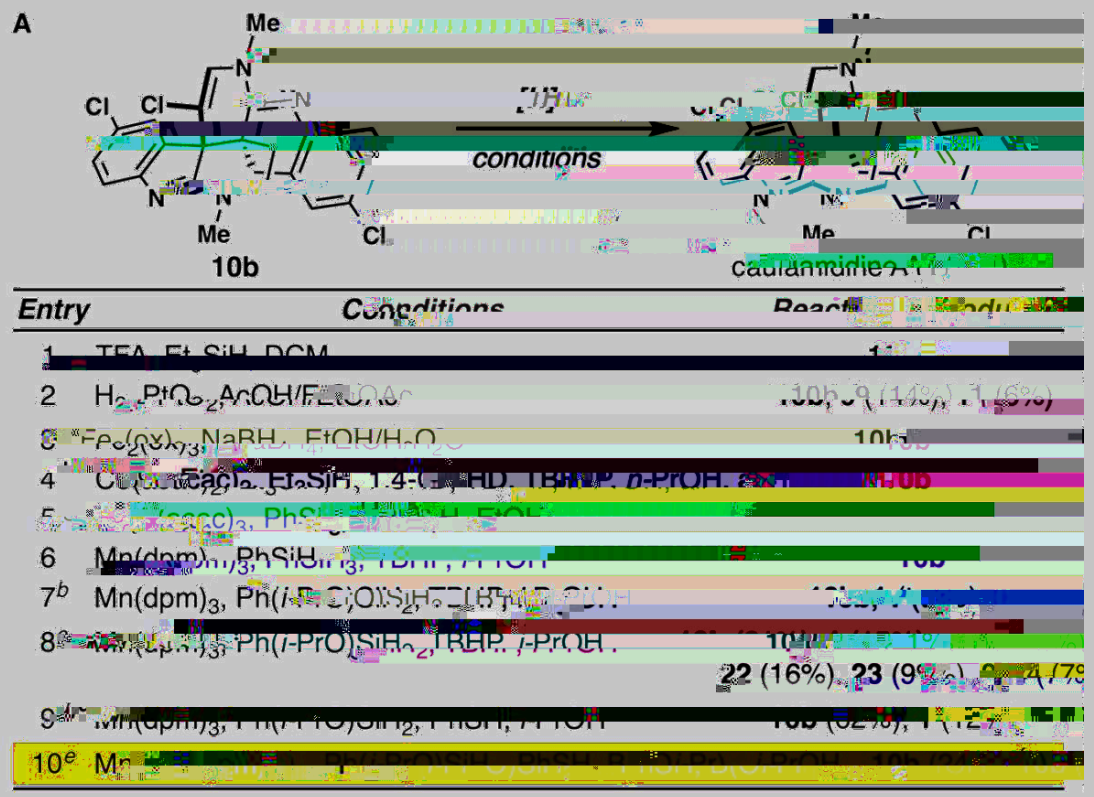



PBu3 (2 eq.)
PhMe
MW 170˚C
24 hr, 94%

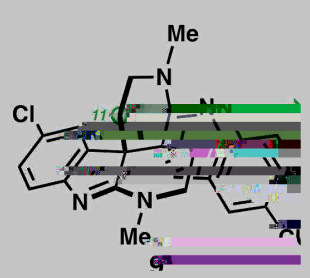


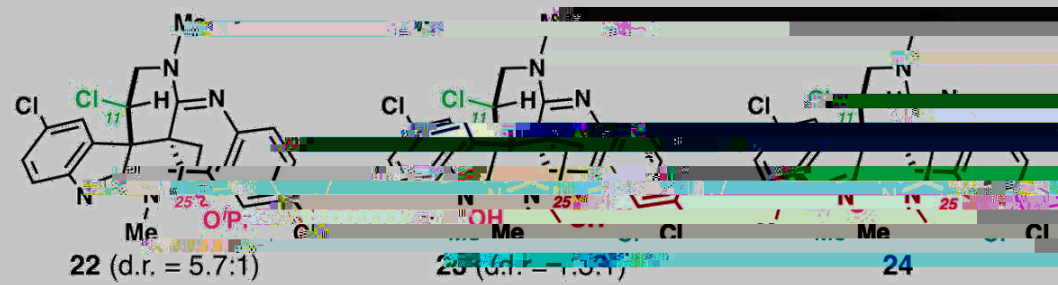


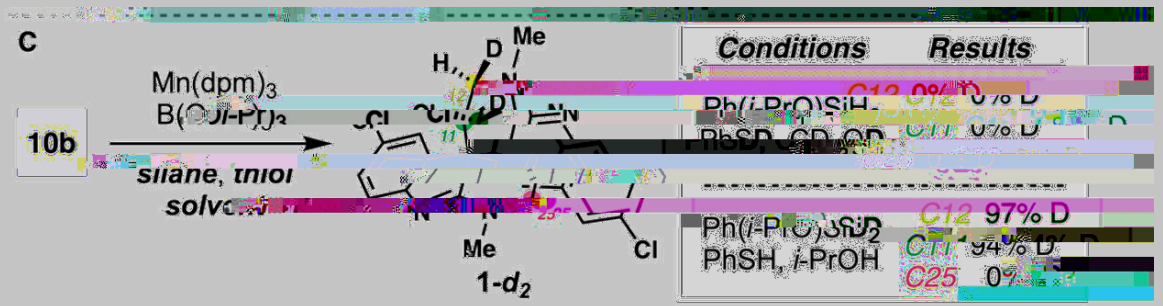
(1.1 eq.)
4 hr, 54%



Entry	Conditions	Reactivity
1	TFA, Et_3SiH, DCM	1
2	H_2, PtO_2, AcOH/EtOAc	10b, 9 (14%), 1 (6%)
3	$Fe_2(ox)_3$, $NaBH_4$, EtOH/H_2O	10b
4	$Cu(acac)_2$, Et_3SiH, 1,4-CHD, TBHP, *i*-PrOH	10b
5	$Co(acac)_3$, PhSiH$_3$, EtOH	10b
6	Mn(dpm)$_3$, PhSiH$_3$, TBHP, *i*-PrOH	10b
7[b]	Mn(dpm)$_3$, Ph(*i*-PrO)SiH$_2$, TRIP, *i*-PrOH	10b, 1
8[c]	Mn(dpm)$_3$, Ph(*i*-PrO)SiH$_2$, TRIP, *i*-PrOH	10b, 22 (16%), 23 (9%), 1 (79%)
9[d]	Mn(dpm)$_3$, Ph(*i*-PrO)SiH$_2$, PhSH, *i*-PrOH	10b (62%), 1 (12%)
10[e]	Mn	







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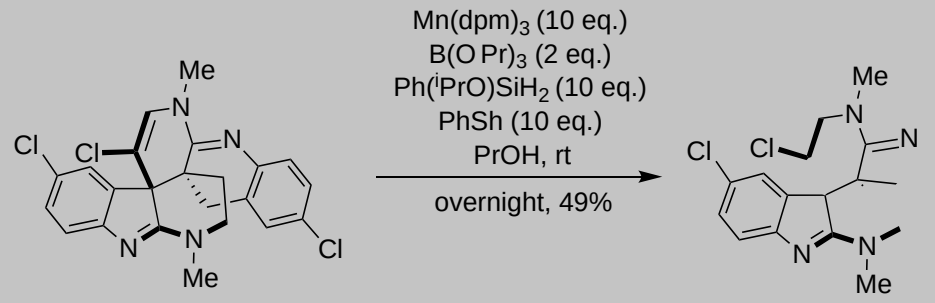
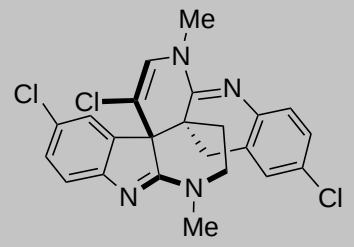

Mn(dpm)3 (10 eq.)
B(OiPr)3 (2 eq.)
Ph(iPrO)SiH2 (10 eq.)
PhSh (10 eq.)
PrOH, rt
overnight, 49%
Me
N
N
Cl
Cl
N
N
Me
Cl
Me
N
N
Cl
Cl
N
N
Me



$Mn(dpm)_3$ (10 eq.)
$B(O^iPr)_3$ (2 eq.)
$Ph(^iPrO)SiH_2$