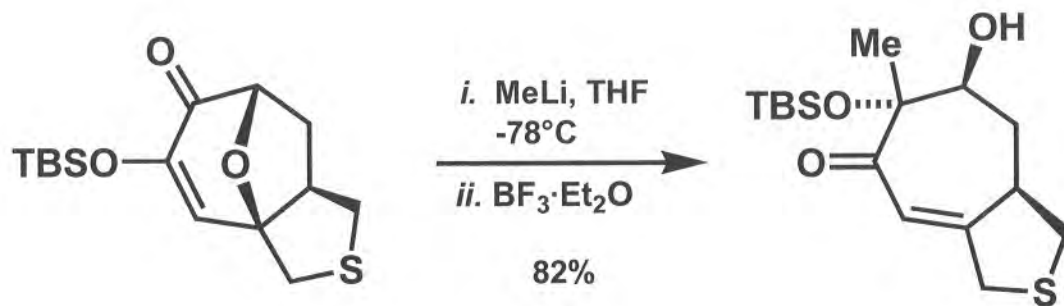
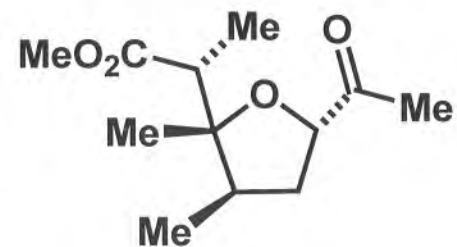
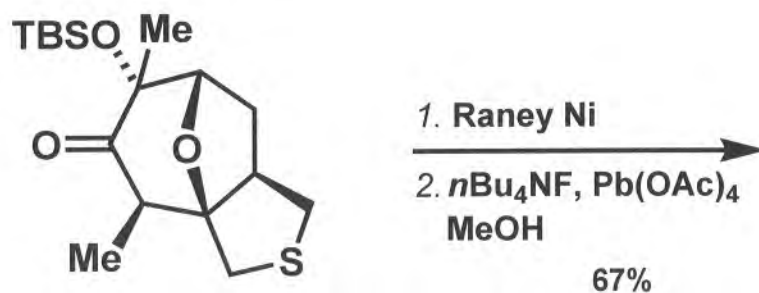
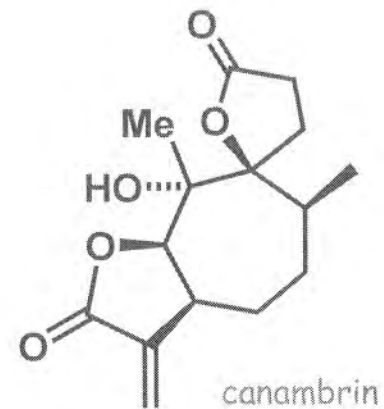
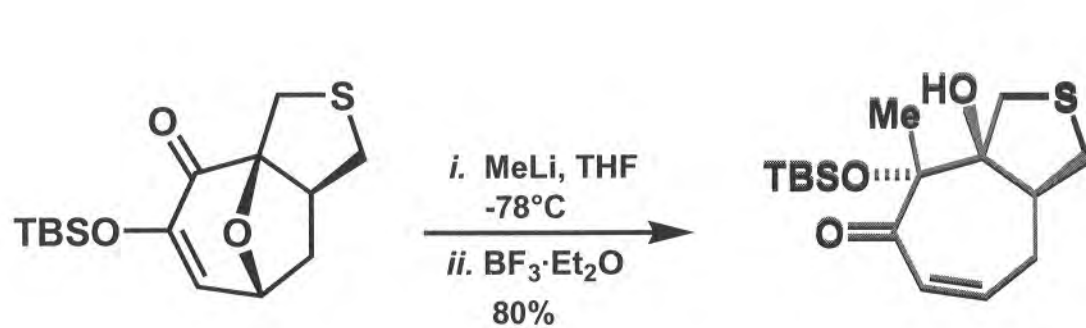


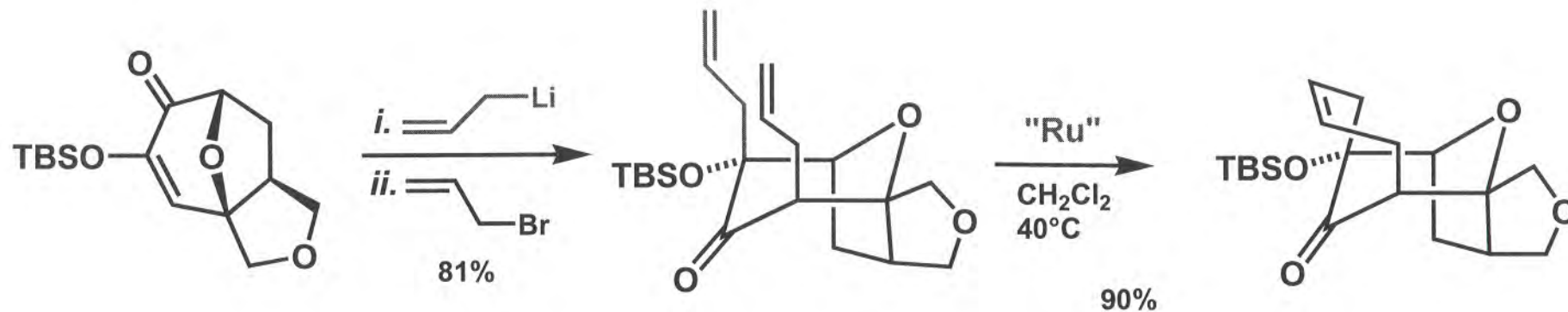
A. Rumbo
 J. Org. Chem. 1993, 58, 5585



J. R. Rodríguez
 Synthesis 2000, 980



A. Rumbo, J. R. Rodríguez
 J. Org. Chem. 1999, 64, 4560

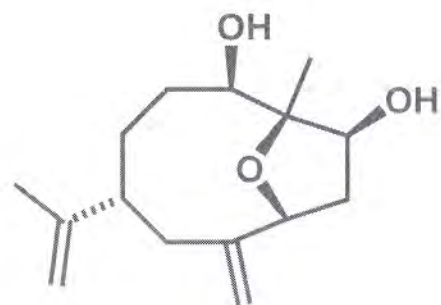


1. H₂/Pd-C

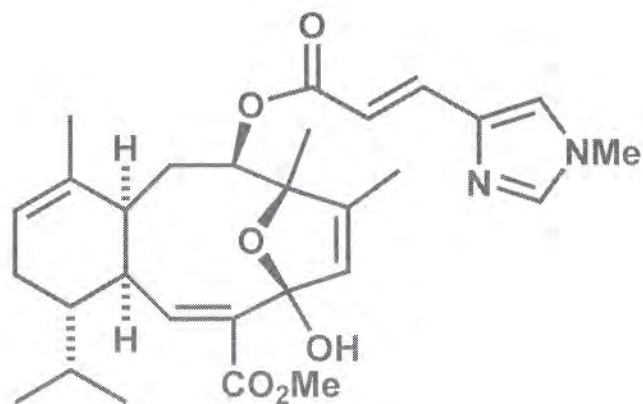
2. i. TBAF

ii. Pb(OAc)₄, MeOH
100°C

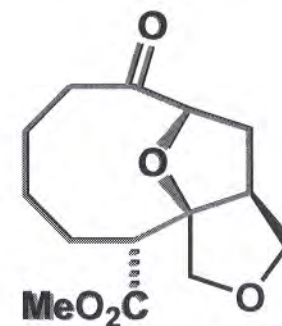
65%



chrisandiol

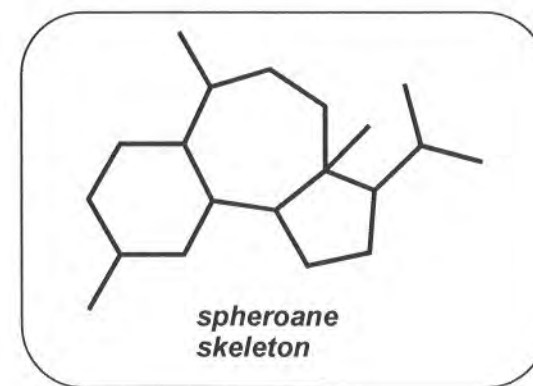
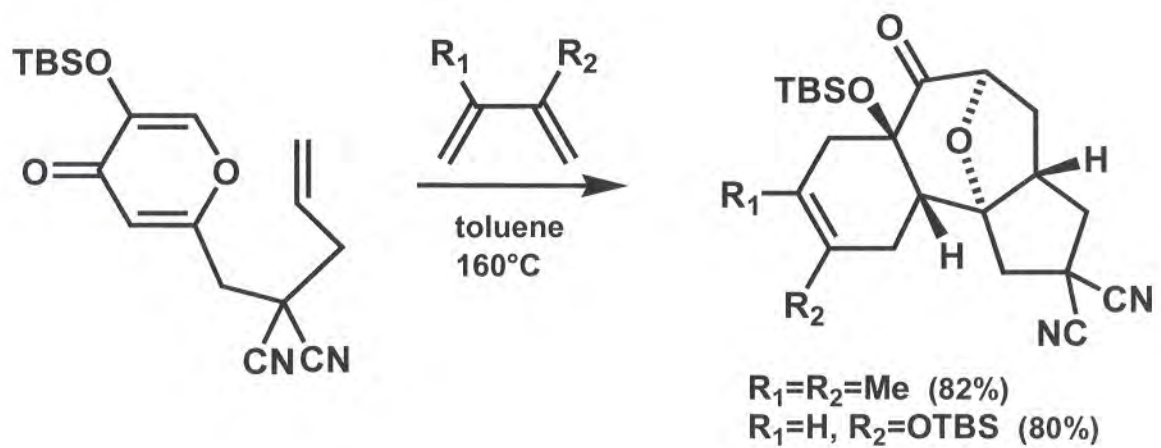
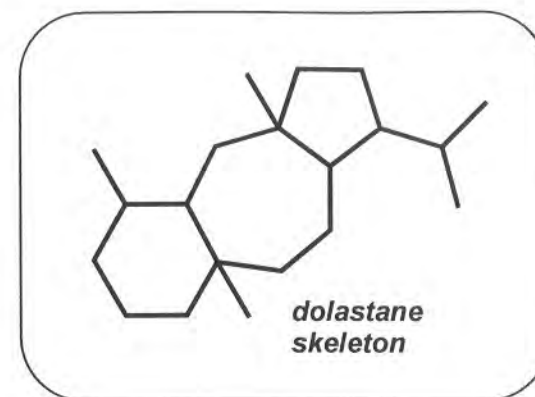
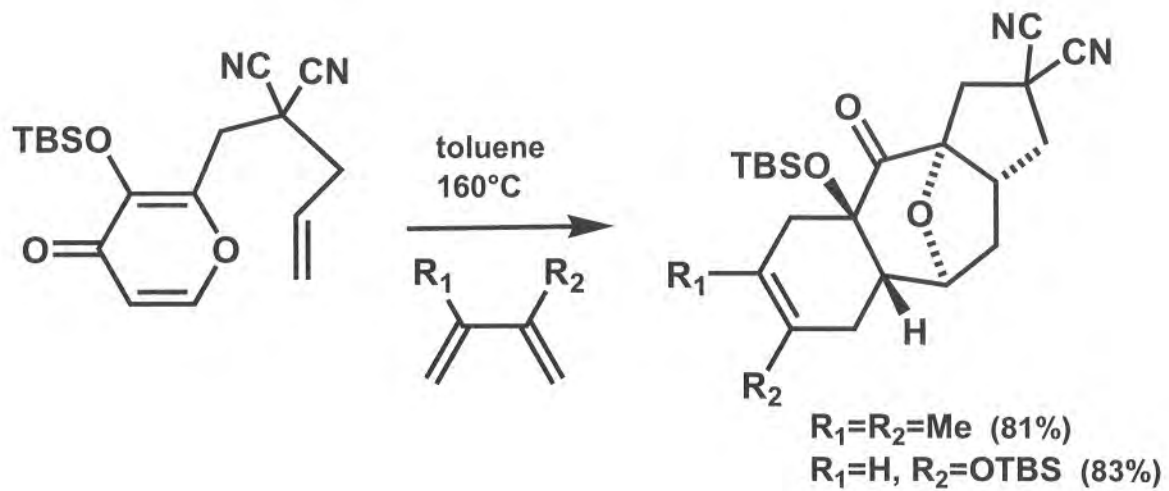


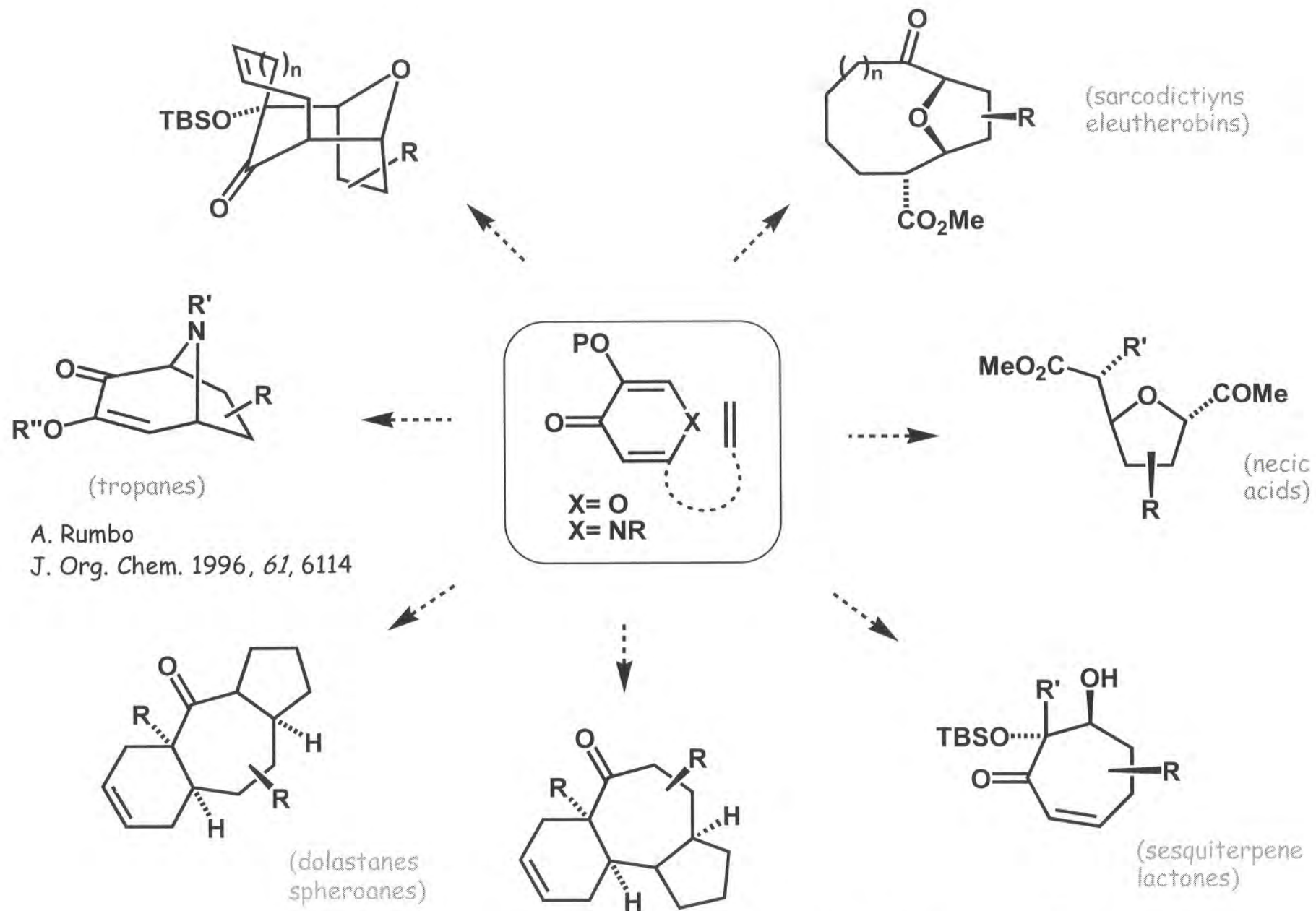
sarcodictyene A



A. Rumbo

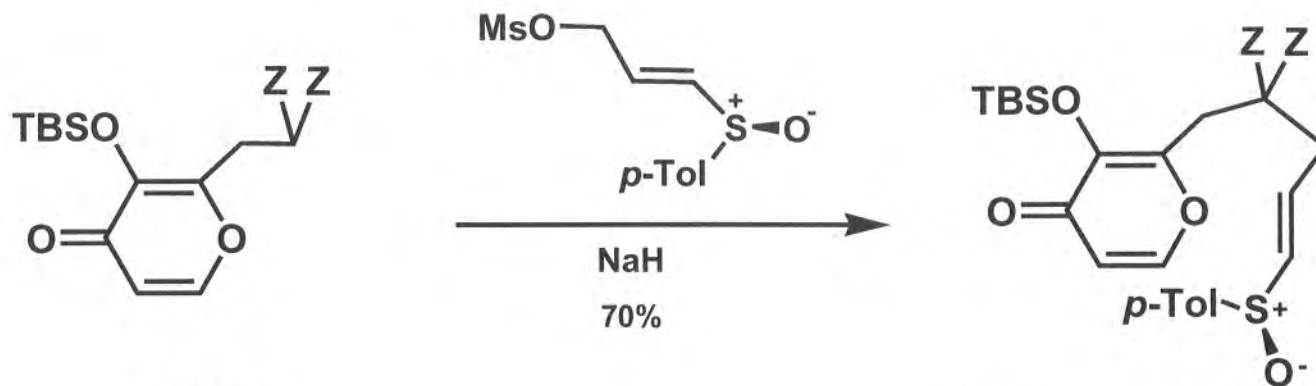
J. Org. Chem. 1997, 62, 8620



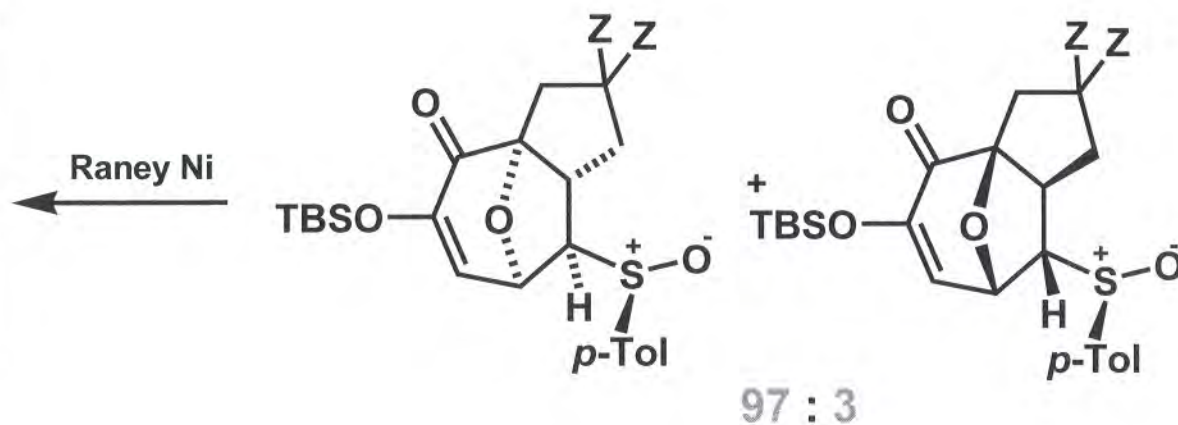
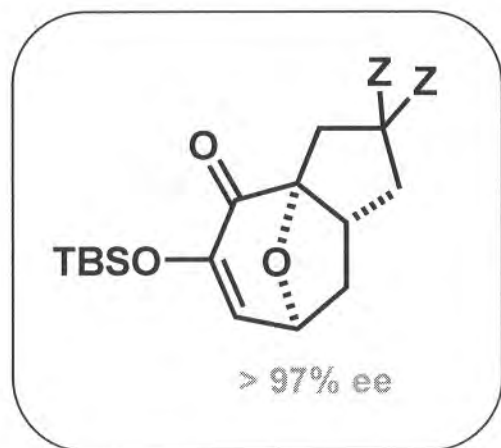


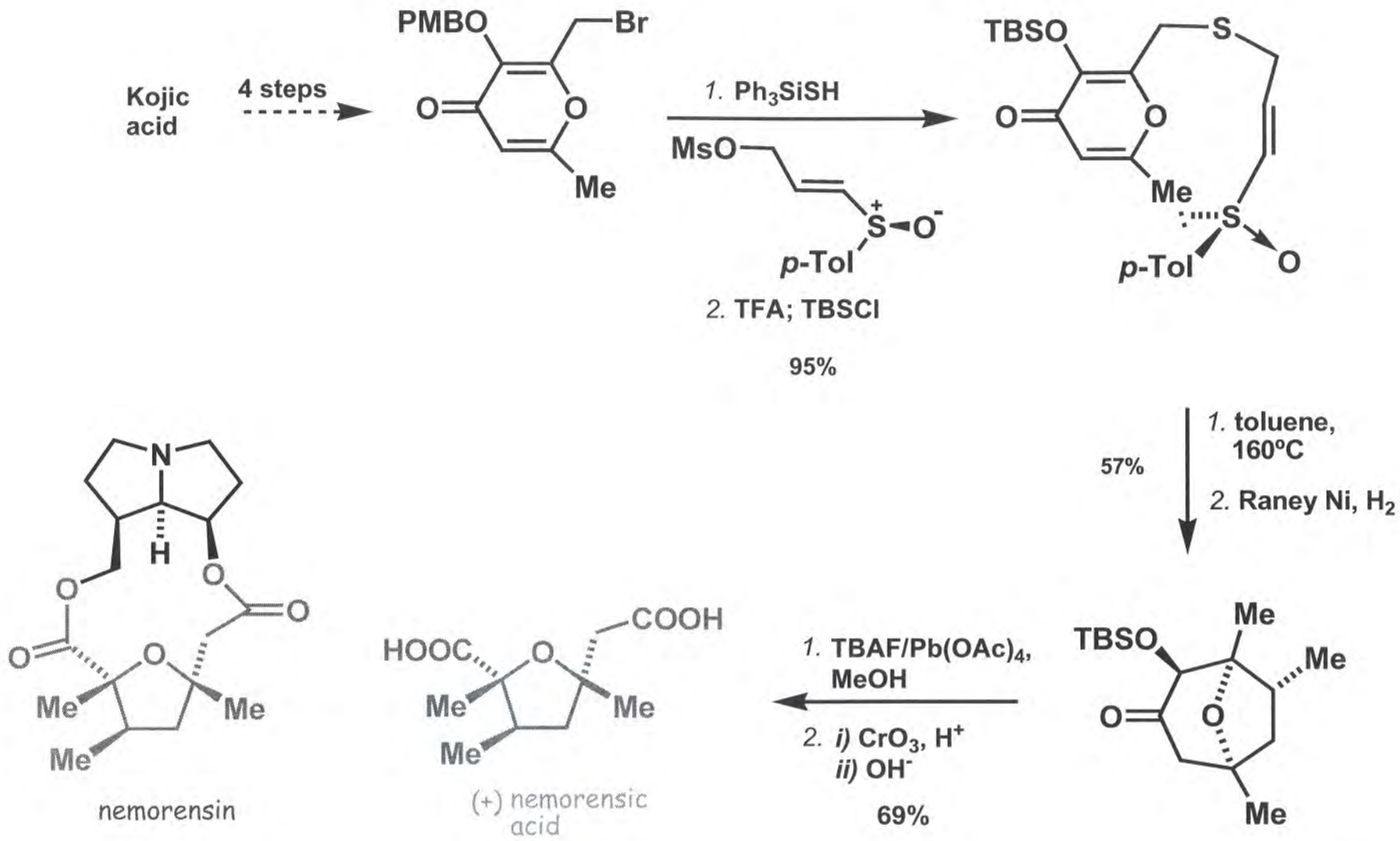
A. Rumbo
J. Org. Chem. 1996, *61*, 6114

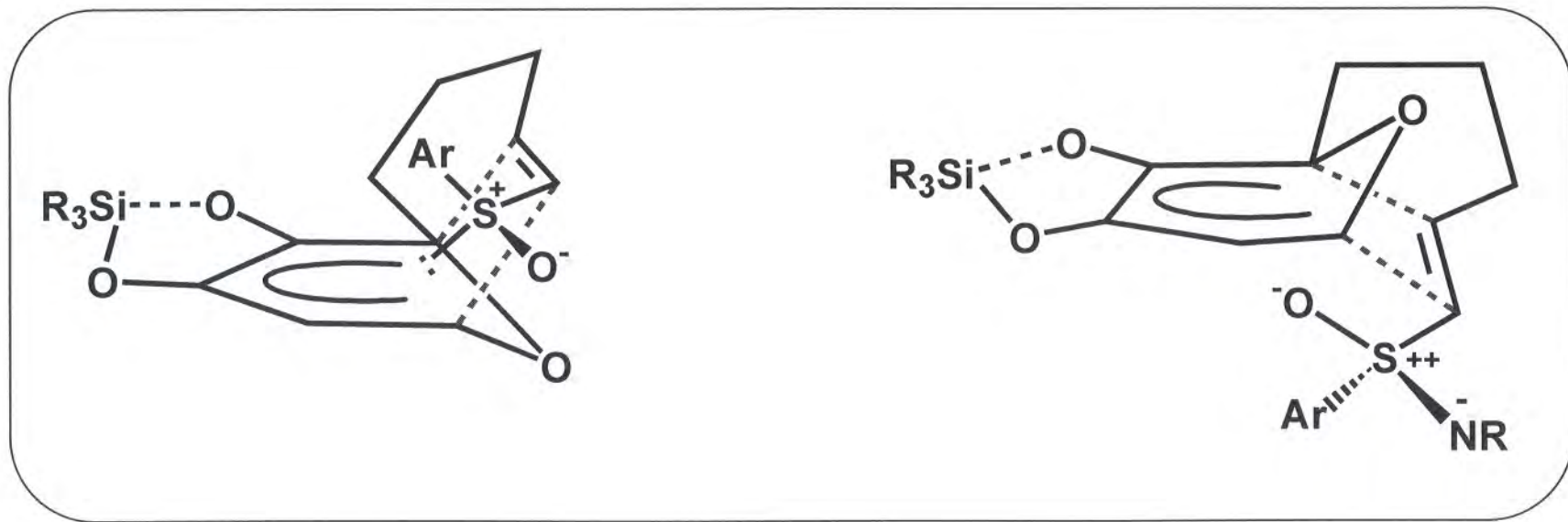
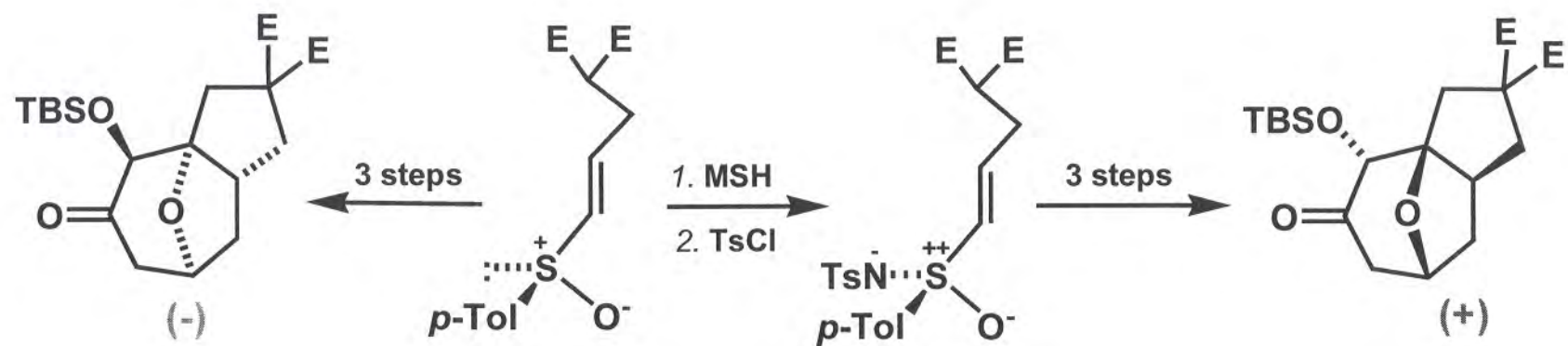
Adv. Cycloadd. 1999, 1-54

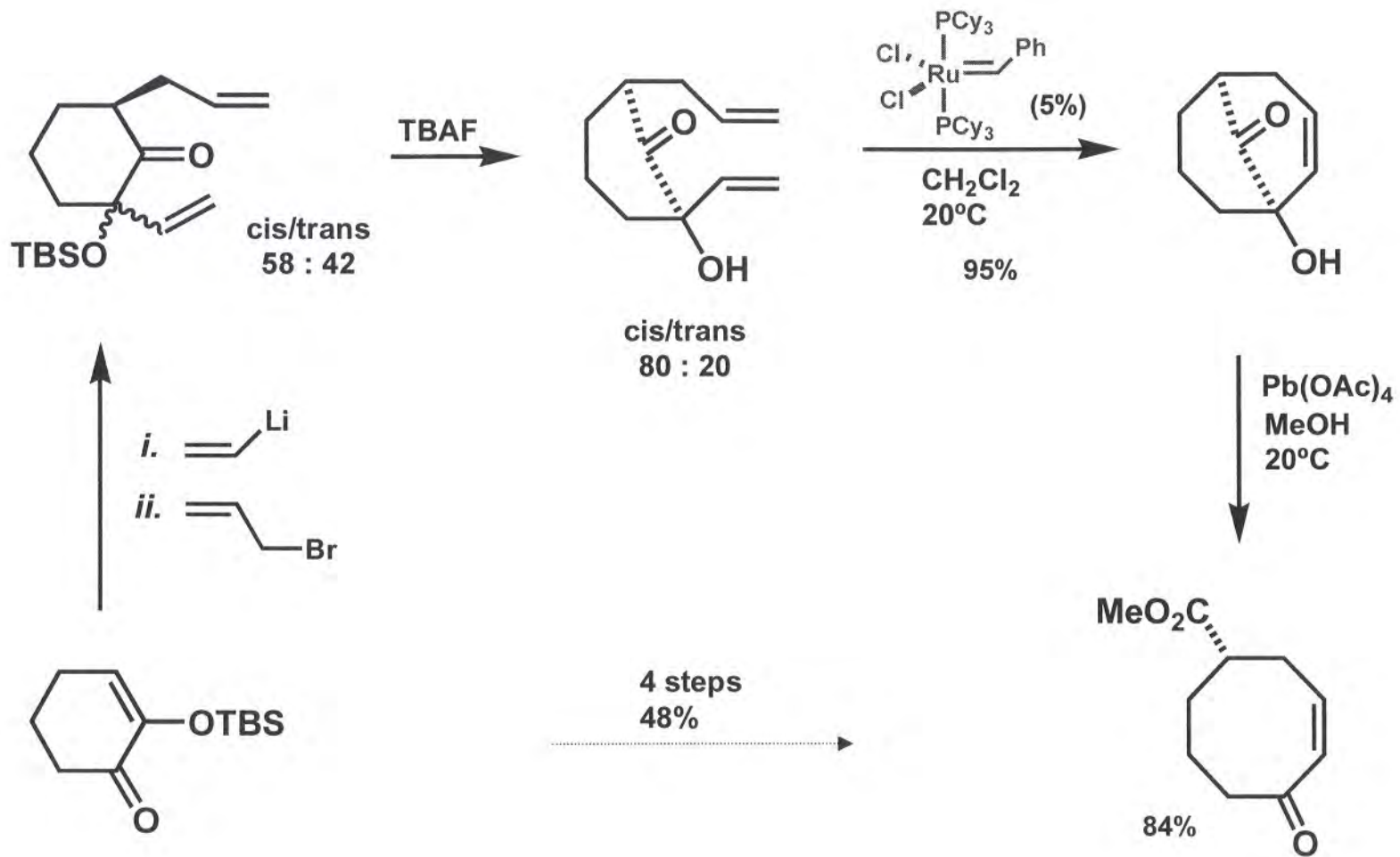


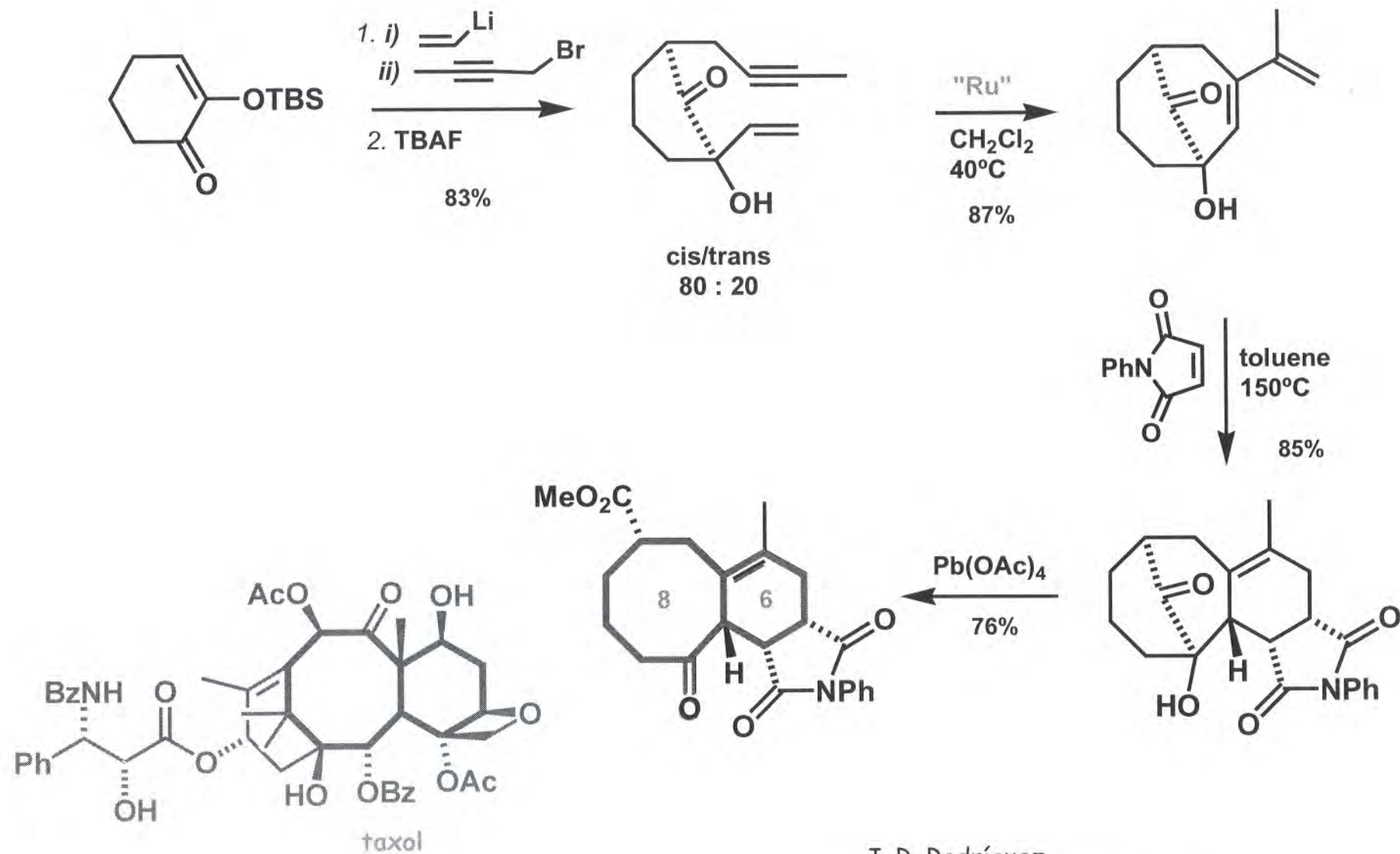
Z = CO₂Et



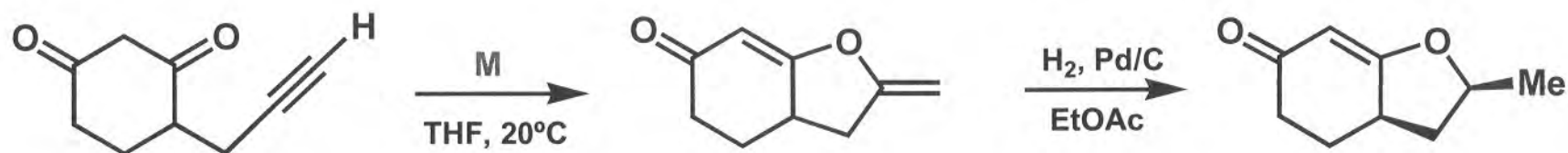




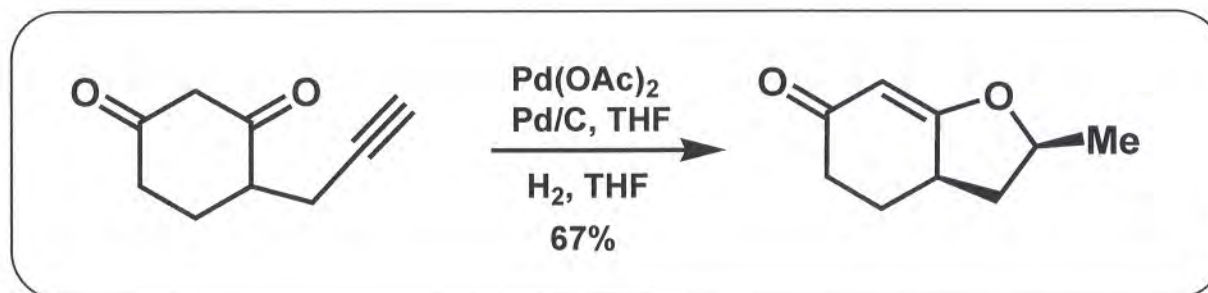


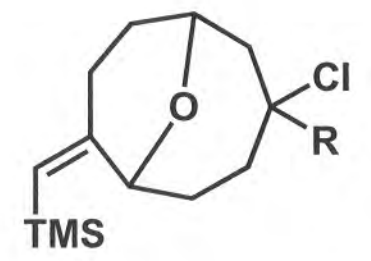
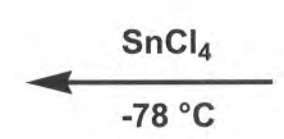
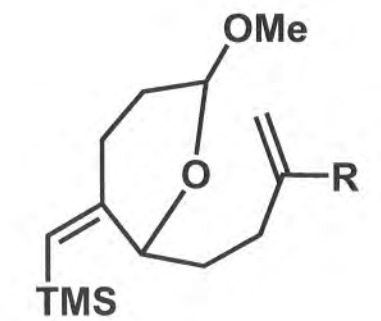
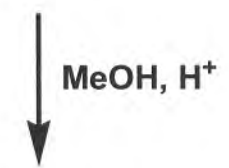
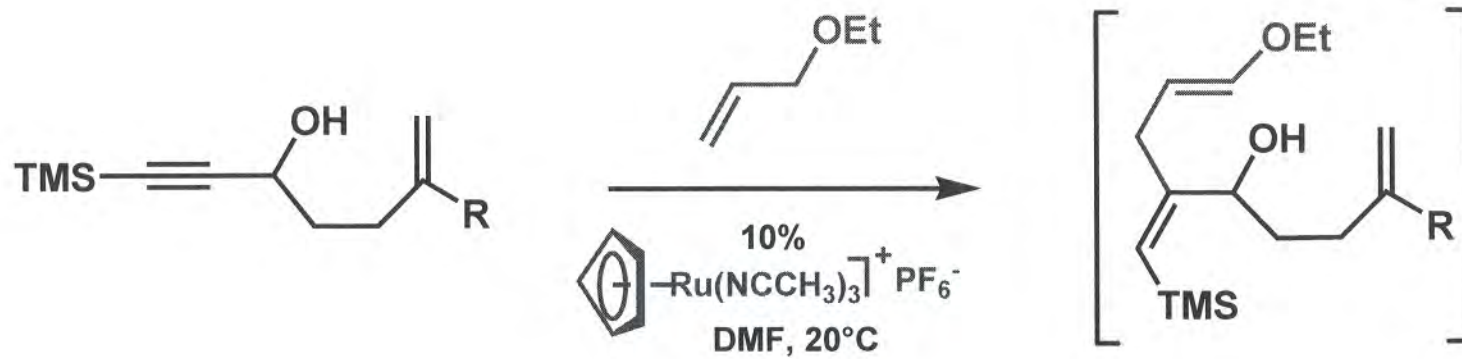


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 Chem. Eur. J. 2002, 8, 2923



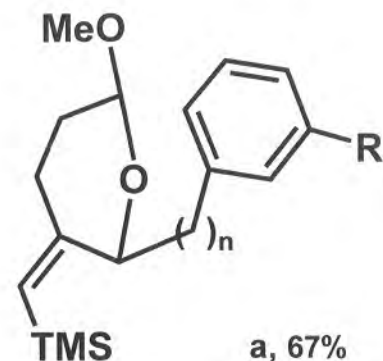
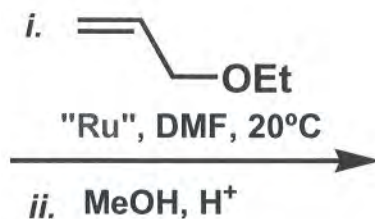
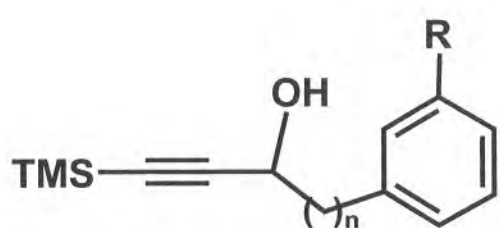
M (mol%)	%	time
Pd(OAc) ₂ (5)	85	2 min
W(CO) ₅ ·THF (10)	85	30 min
PtCl ₂ (10)	79	15 min





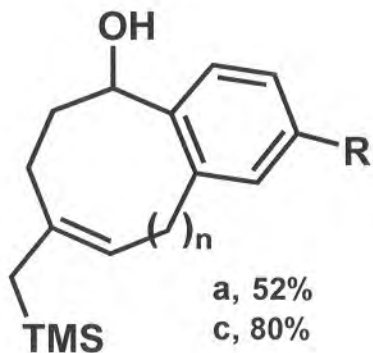
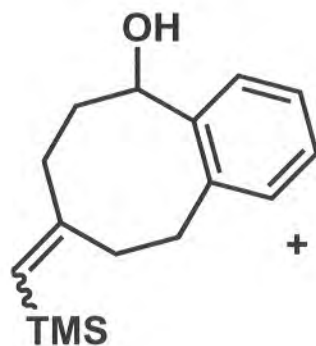
R = Me 82%
 R = TMS 86%

65-70%

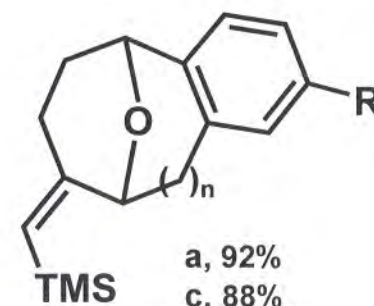
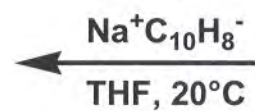


a, 67%
 b, 63%
 c, 65%

a, R = H, n = 1
 b, R = H, n = 2
 c, R = OMe, n = 2



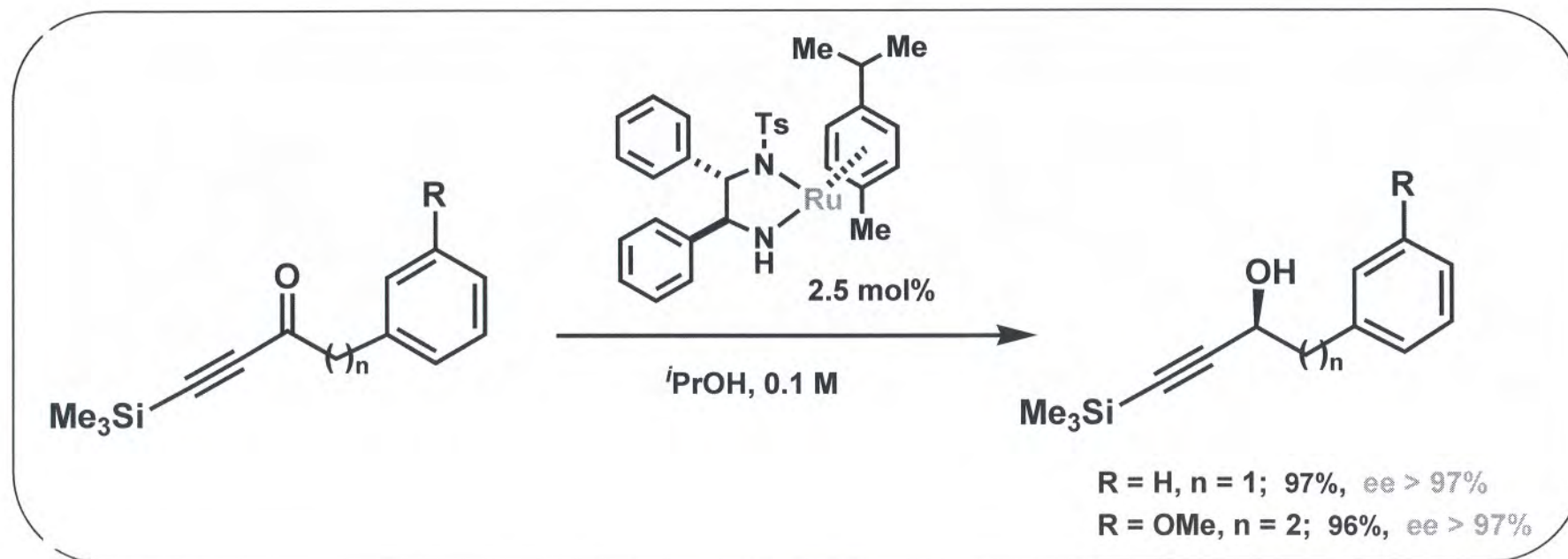
a, 52%
 c, 80%

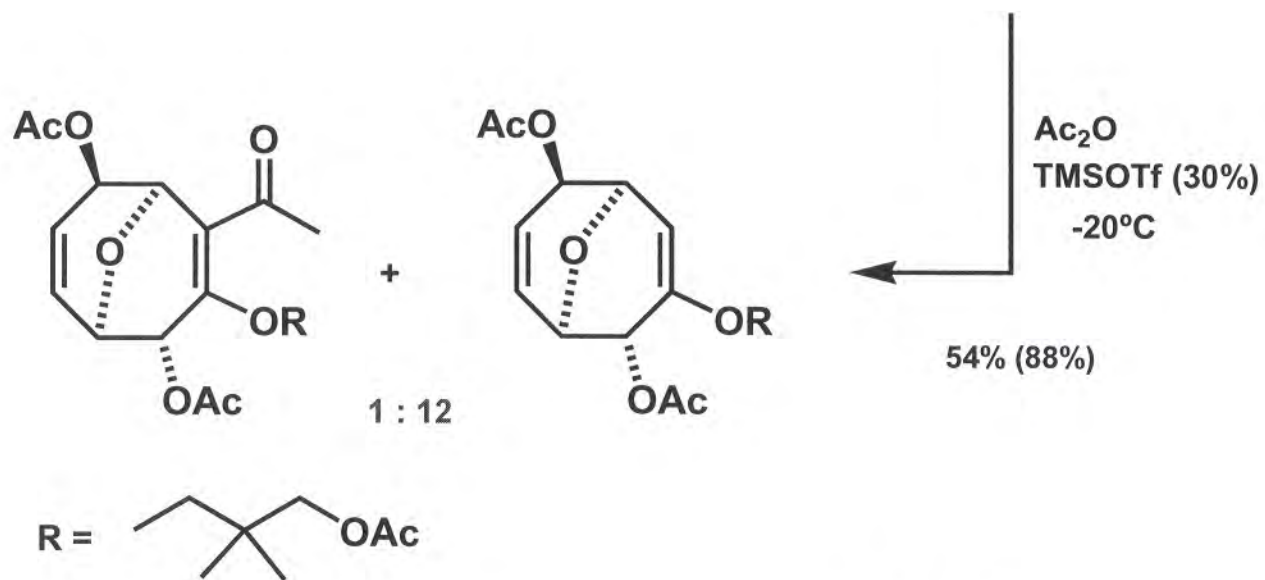
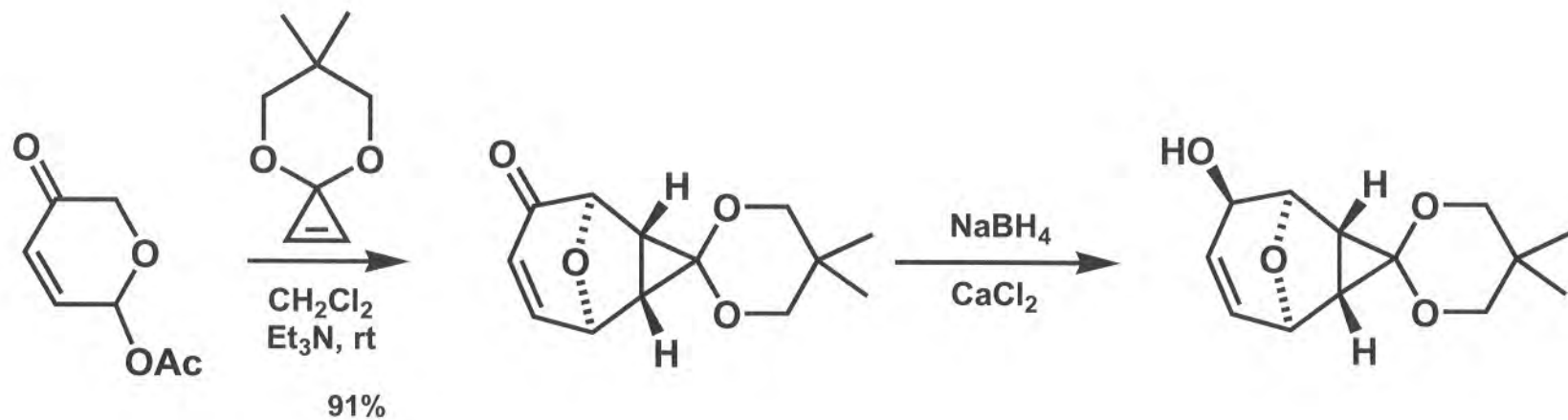


a, 92%
 c, 88%

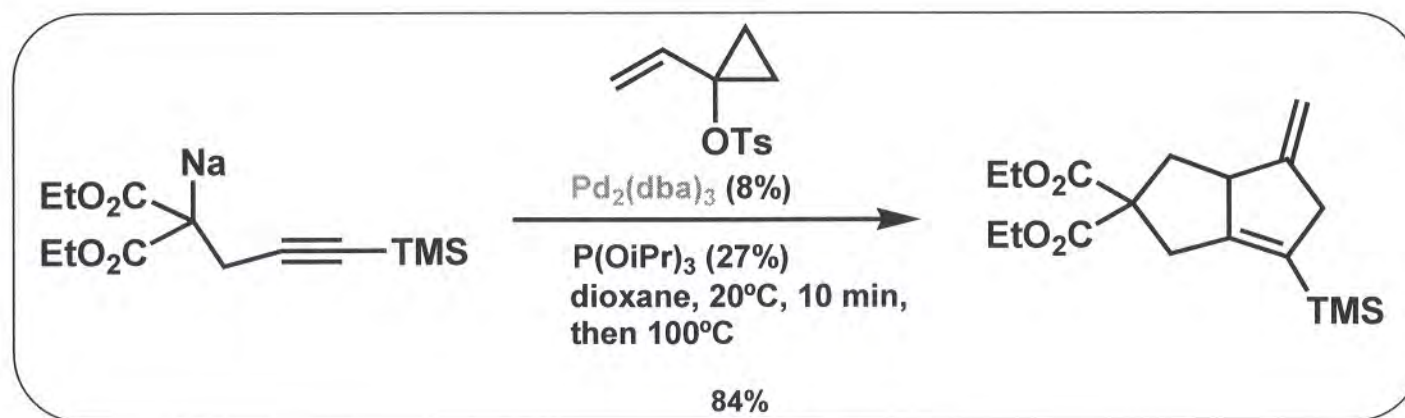
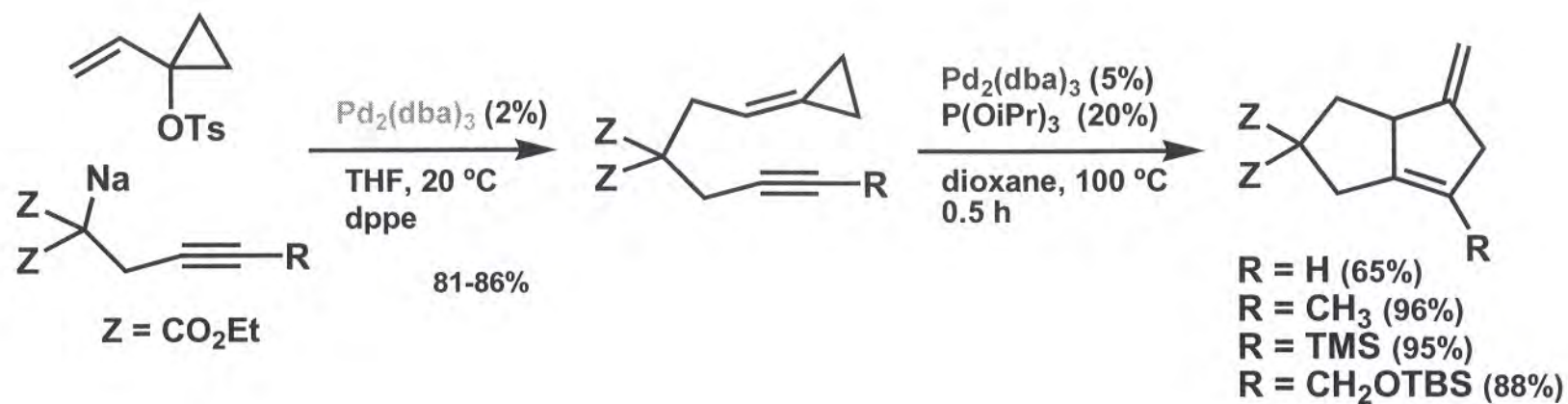


F. López,
J. Am. Chem. Soc. 2002, *124*, 4218

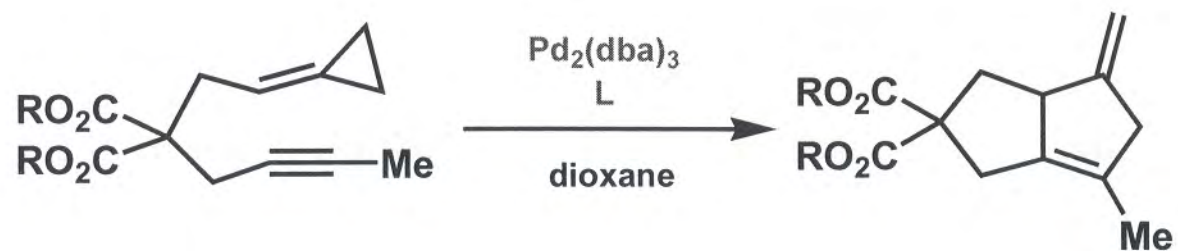




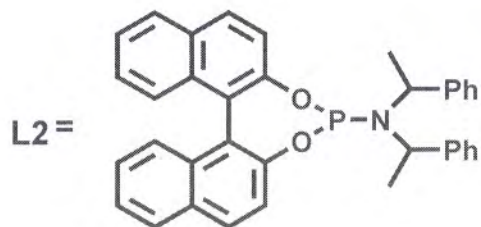
A. Delgado
 Org. Lett. 2002, 4, 3091

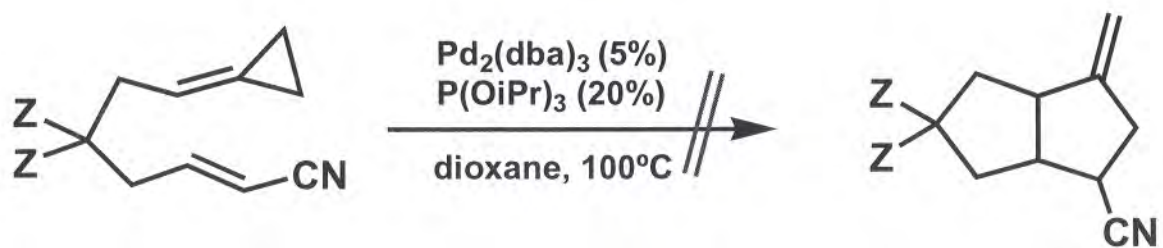
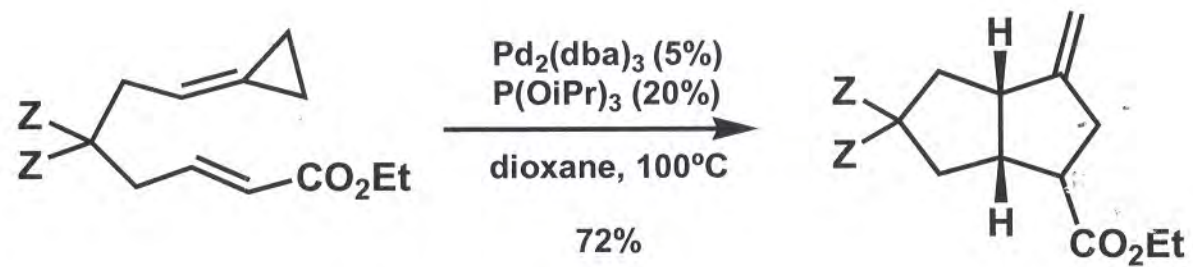
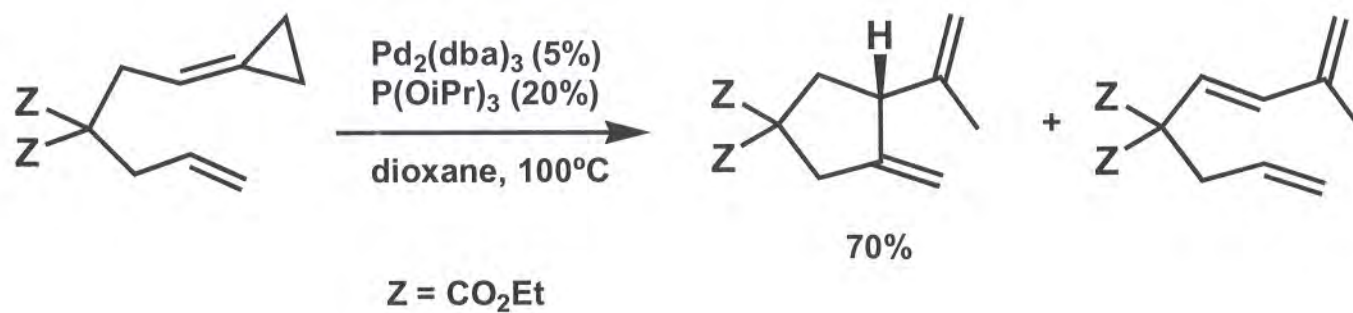


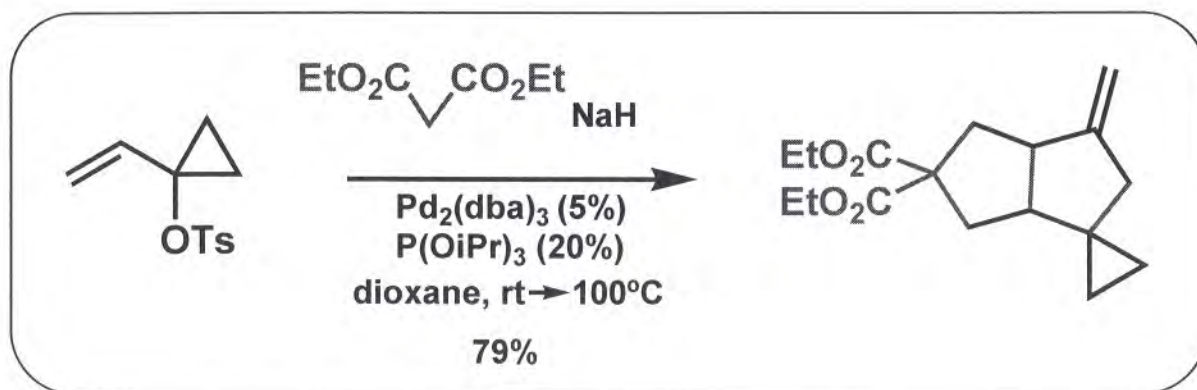
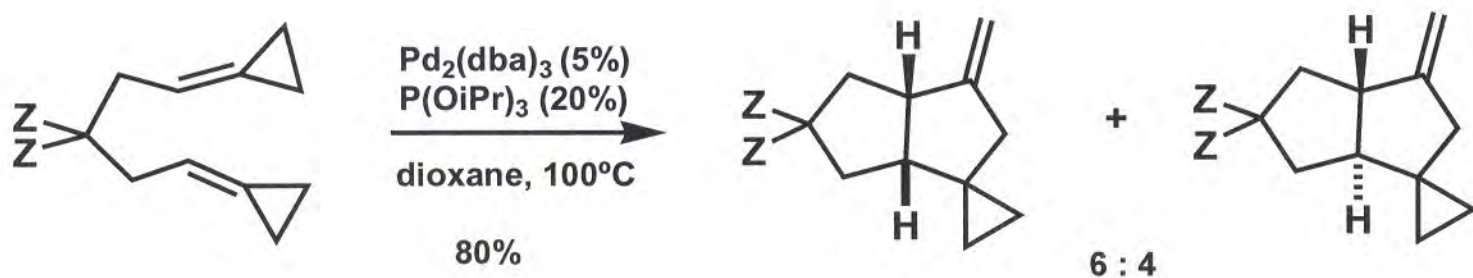
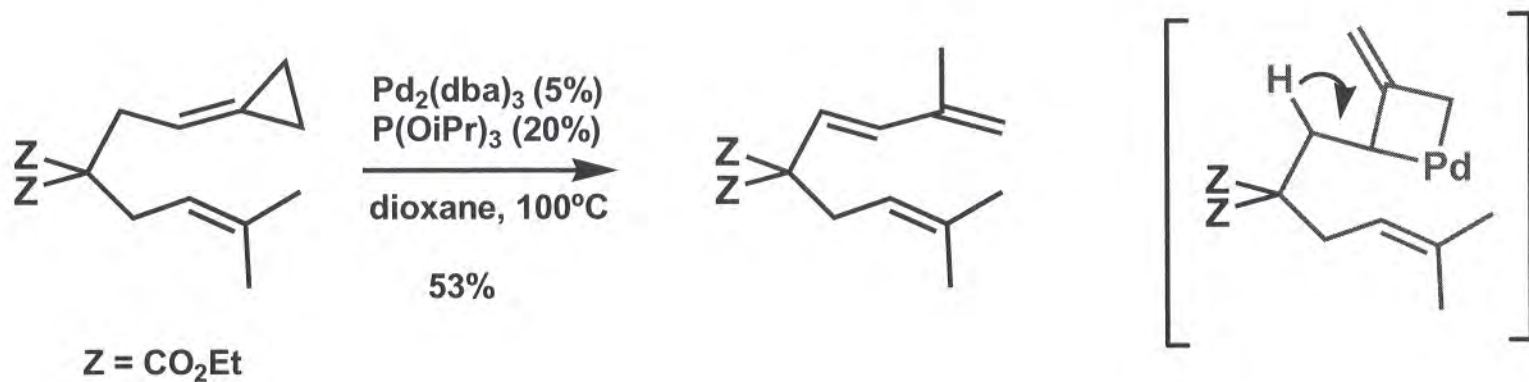
A. Delgado,
 J. Am. Chem. Soc. 2003, 125, 9282

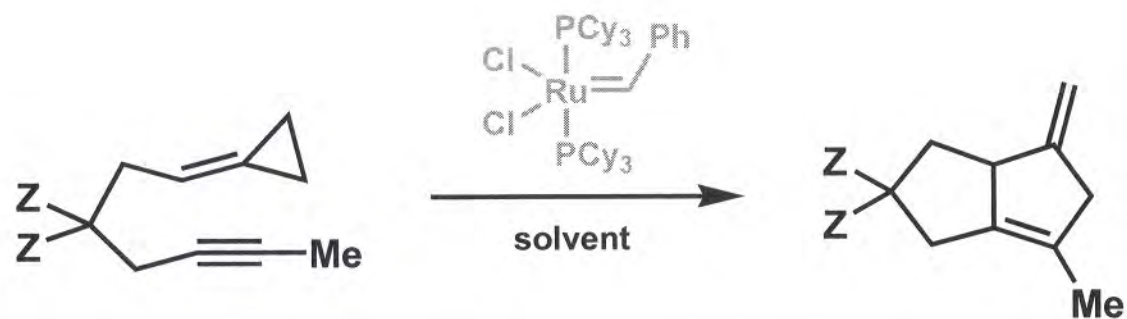
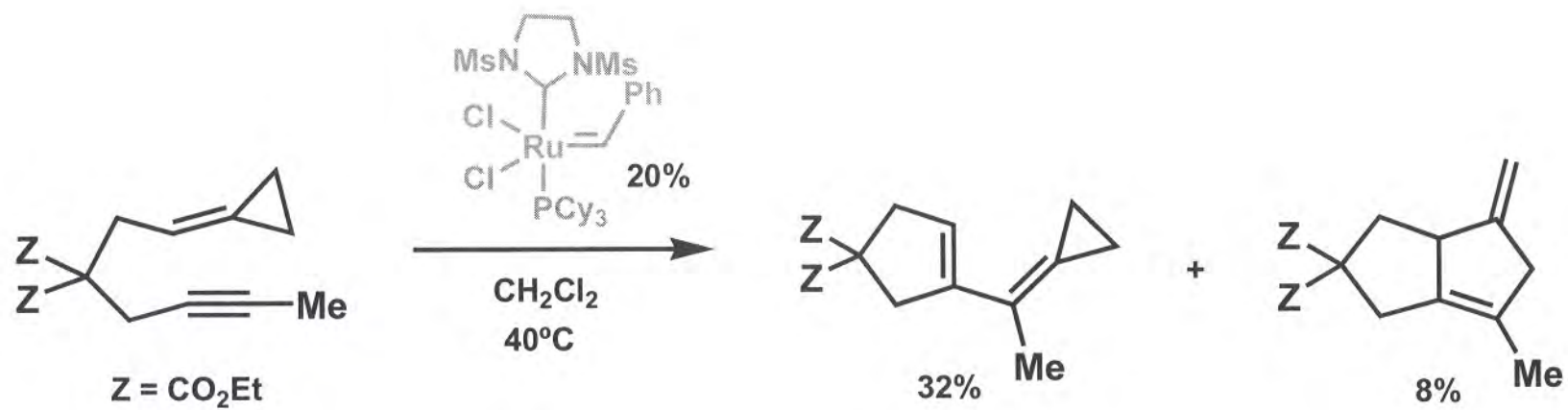


T^a	% $\text{Pd}_2(\text{dba})_3$	L (%)	Time	Conversion
100°C	1	$\text{P}(\text{OiPr})_3$ (4)	1 h	2%
100°C	1	L2 (4)	1 h	73%
50°C	5	$\text{P}(\text{OiPr})_3$ (20)	3 h	13%
50°C	5	L2 (20)	3 h	62%

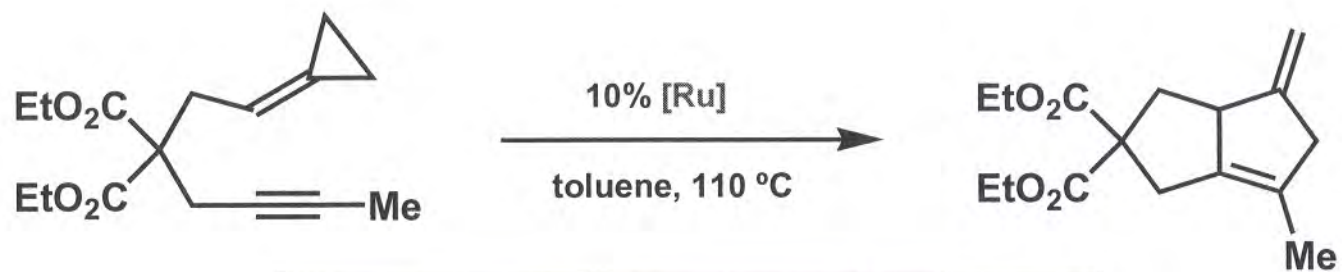








[Ru] %	Solvent (mM)	T (°C)	Time	Yield
20	CH ₂ Cl ₂ (10)	40	2h	36%
20	Cl ₂ (CH ₂) ₂ (10)	84	4h	43%
20	toluene (10)	110	4h	59%
10	toluene (100)	110	45 min	78%



[Ru]	%
$\text{Cp}^*\text{Ru}(\text{CH}_3\text{CN})_3\text{PF}_6/\text{Et}_4\text{NCl}$	11
$\text{Cl}_2\text{Ru}(\text{PPh}_3)_3$	35 (77)

