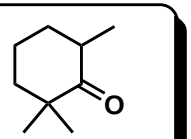
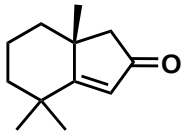
MOM 10-13-07
Lisa, Bill, and Chad

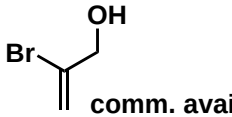


comm. avail.



JACS, **2006**, *128*, 7738.

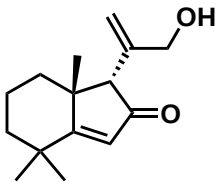
Substrate controlled
Pd-catalyzed alkylation

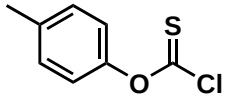


comm. avail.

PhOK (2.5 eq)
$Pd(PPh_3)_4$ (5 mol %)

OL, **2005**, *7*, 5461.
JOC, **1983**, *58*,3435.

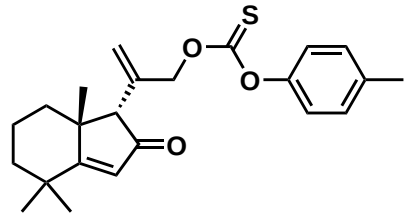




comm. avail.

pyridine

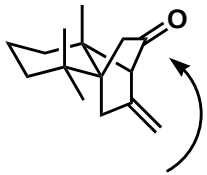
JOC, **1989**, *54*, 5678.
TL, **1988**, *29*, 107.
J. Carb. Chem. **2004**, *23*, 83.



Diastereoselective
radical cyclization

AIBN,
nBu_3SnH

TL, **1985**, *26*, 5927.
OL, **2000**, *2*, 2479,
TL, **1988**, *29*, 5789.
JACS, **1988**, *110*, 6911.
Synlett, **1990**, 575.
JOC, **1998**, *63*, 4151.

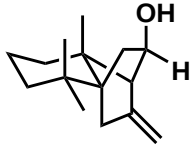


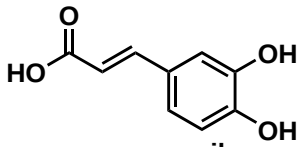
most accessible face
for hydride delivery

Facial selective
reduction

DIBAL-H

OL, **2007**, *9*, 1437.

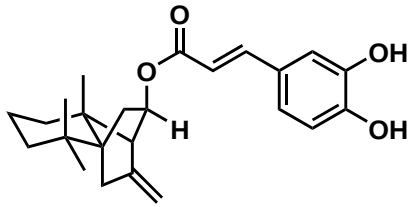




comm. avail.

DCC

J. Chem. Res. **2005**, *12*, 802.



Myltaylane Caffeate
J. Nat. Prod., **2007**, *70*, 856.

Key points: Protecting group free synthesis
Five steps utilizing a readily available chiral nonracemic starting material and commercially available reagents
Substrate controlled diastereoselective Pd-catalyzed alkylation, radical cyclization, and reduction