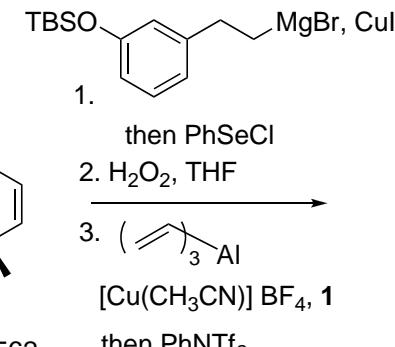


JACS 1999, 121, 9562.

TBDPSO

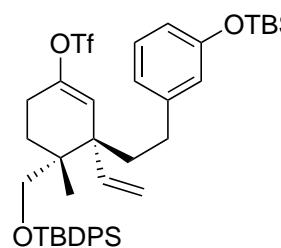
Chem. Eur. J. 2007, 13, 9647.



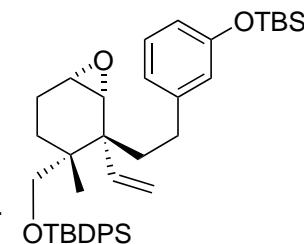
JACS 2006, 128, 7128.

JOC 2004, 69, 447.

Marija, Jared, Filip



1. Et3N, HCO2H  
Ph3P, Pd(OAc)2  
2. Shi epoxidation



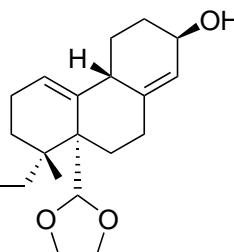
1. TBAF/BF3·Et2O  
2. PhSiH3,  
Stryker's reagent

3. O3, then HO(CH2)2OH, H+  
4. MsCl, DMAP  
5. Li(t-BuO)3AlH

TL 1998, 39, 4627.

J. Serb. Chem. Soc. 1996, 61, 1113.  
J. Med. Chem. 1995, 38, 816.

Org. React. 1985, 34.



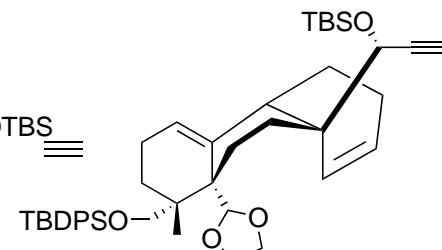
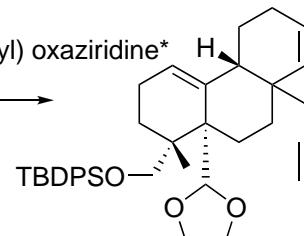
1. HC(OEt)3, Δ  
2. KHMDS, (camphorsulfonyl) oxaziridine\*  
3. TBSCl, imid.

4. DIBALH  
5. Seydel-Gilbert

Synlett 1996, 129.

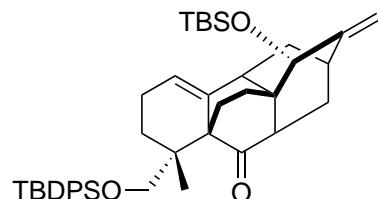
Org. React. 2003, 62.  
OBC 2008, 6, 693.

OL 2008, 10, 3153.  
JOC 2006, 71, 4685.

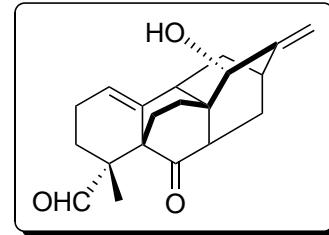


1. BF3·OEt2, toluene, -18 °C  
then CBr4, Ph3P  
then Zn, NH4Cl

2. Dess-Martin Periodinane  
3. TBTH, AIBN, benzene



1. HF  
2. TEMPO



Atropurpuran

Tetrahedron 2006, 62, 7056.  
Tetrahedron 2006, 62, 7071.  
Tetrahedron 2006, 62, 7093.