

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

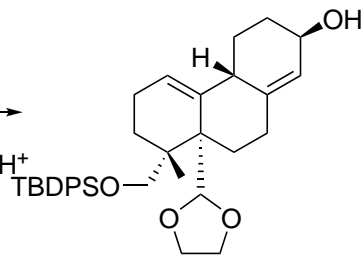
3. O₃, then HO(CH₂)₂OH, H⁺
4. MsCl, DMAP
5. Li(*t*-BuO)₃AlH

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. Seyferth-Gilbert

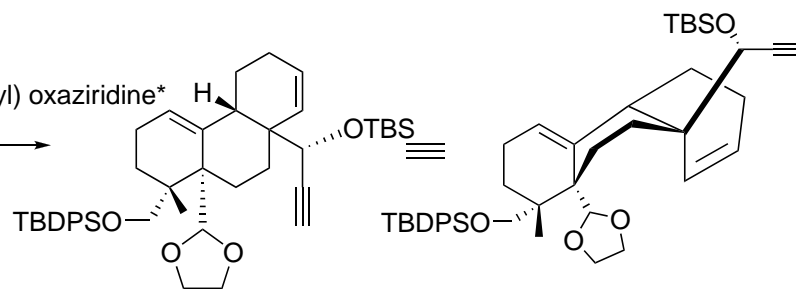
Synlett **1996**, 129.

Org. React. **2003**, 62.

OBC **2008**, 6, 693.

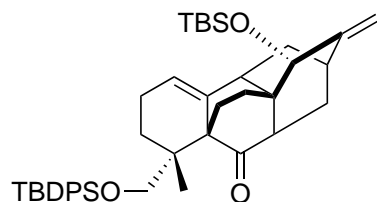
OL **2008**, 10, 3153.

JOC **2006**, 71, 4685.

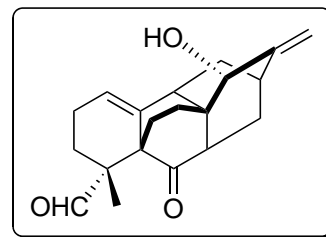


1. BF₃·OEt₂, toluene, -18 °C
then CBr₄, Ph₃P
then Zn, NH₄Cl

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.