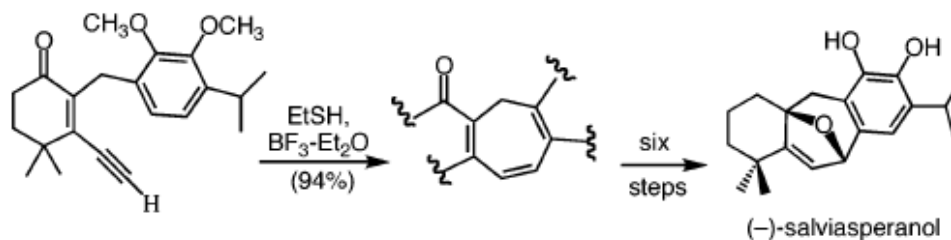


Literature Report
12/6/2007 D. Marten

- **Total Synthesis of (-)-Salviasperanol**
- **George Majetich,* Ge Zou, Jeremy Grove**
- *Department of Chemistry, University of Georgia,*



Key step is intramolecular Friedel-Crafts (or **cyclialkylation**) strategy

Org. Letters, 2007, ASAP Dec. 4

Two other articles are published together with this one. All deal with this same chemistry and class of natural products. Two other papers are in the special issue of *Heterocycles*, Vol. 73, 2007 which has not yet been released.

Majetich, G.; Li, Y.; Zou, G. *Heterocycles* **2007**, *73*, 217-225

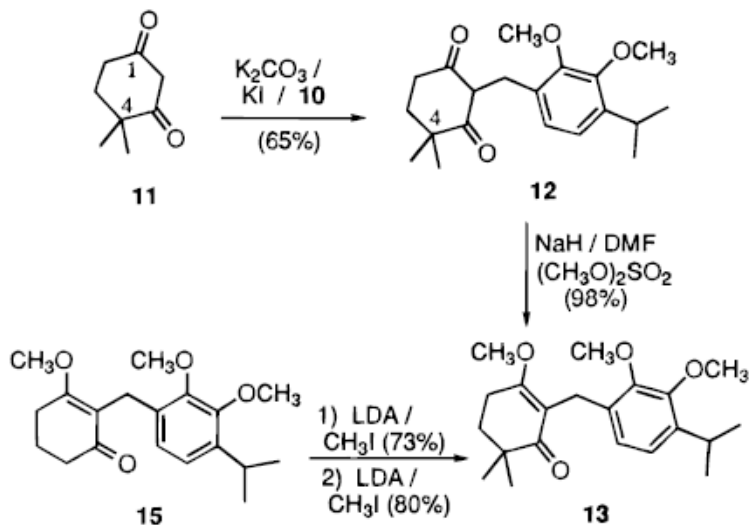
Majetich, G.; Li, Y.; Zou, G. *Heterocycles* **2007**, *73*, 227-235

Icetexane and abietane diterpenoids from *Salvia gilliessi*

Phytochemistry **53** (2000) 911-915

Matias Nieto, Eduardo E. Garcia, Oscar S. Giordano, Carlos E. Tonn*; Argentina

Alkylation in the 4,4-dimethyl-1,3-cyclohexanedione system:
Majetich, *J. Org. Chem.*, **61**, No. 23, **1996**, 8169-8185



Formation of **11** using methyl isopropyl ketone, *t*-butyl acrylate and $KO-tBu$
J. Org. Chem. **2001**, *66*, 8000-8009

Regiochemistry of enol ether formation in **11**:
J. Org. Chem. **2006**, *71*, 2384-2388

Enantioselective reduction of ketones to secondary alcohols using the CBS methodology,
see the review in:
Corey–Bakshi–Shibata (CBS): Corey, Helal. *Angew. Chem. Int. Ed.* **1998**, *37*, 1986 -
2012; uses an Oxazaborolidine complex.

Myers' use of Mitsunobu chemistry for a reductive allylic transposition in allyl alcohols.
 $DEAD$, PPh_3 , NH_2NHSO_2Ar ; Diazine ($R-N=N-H$) as intermediate.

(a) Myers, A. G.; Zheng, B. *Tetrahedron Lett.* **1996**, *27*, 4841-4844.

(b) Myers, Zheng, B.; Movassaghi, M. *J. Org. Chem.* **1997**, *62*, 7507-7507.