Supporting Information

Synthesis of Indenyl Ethers by Gold(I)-Catalyzed Intramolecular Carboalkoxylation of Alkynes

Pascal Dubé and F. Dean Toste

*Center for New Directions in Organic Synthesis, Department of Chemistry,
University of California, Berkeley, California 94720*

Spectral Data

A Proton NMR

A Carbon NMR

1c Proton NMR

1c Carbon NMR

B Proton NMR

B Carbon NMR

C Proton NMR

C Carbon NMR

D Proton NMR

D Carbon NMR

11 Proton NMR

11 Carbon NMR

2b Proton NMR

2b Carbon NMR

2c Proton NMR

2c Carbon NMR

2d Proton NMR

2d Carbon NMR

2e Proton NMR

2e Carbon NMR

2f Proton NMR

2f Carbon NMR

2h Proton NMR

2h Carbon NMR

2i Proton NMR

2i Carbon NMR

2j Proton NMR

2j Carbon NMR

2k Proton NMR

2k Carbon NMR

2k HMQC

{¹H,¹³C} gHMQC (phase-sensitive, TPPI)
/B-400 (zBBO-ATM probe)
28 increments, 4 scans each; total acq. 11 min.
edte (300K) strongly recommended*
20506 HvH

2k HMBC

2k HMBC

2D {1H,13C} gHMBC (magnitude mode)
AVB-400 (zBB-ATM probe)
16 scans/increment x 64 increments (23 min.)
020506 HvH

2I Proton NMR

2I Carbon NMR

5 Proton NMR

5 Carbon NMR

7 Proton NMR

7 Carbon NMR

14a Proton NMR

14b Proton NMR

14b Carbon NMR

17 Proton NMR

17 Carbon NMR

15 Proton NMR

15 Carbon NMR

15 nOesy

20 Proton NMR

20 Carbon NMR

21 Proton NMR

21 Carbon NMR