SUPPORTING INFORMATION

Chiral $N$-phosphonyl imine chemistry: an efficient asymmetric synthesis of chiral $N$-phosphonyl propargylamines

Parminder Kaur, a Gaurav Shakya, a Hao Sun, b Yi Pan b and Guigen Li a

Department of Chemistry and Biochemistry, Texas Tech University, Lubbock, Texas 79409-1061; Fax: 806-742-3015; E-mail: guigen.li@ttu.edu.

School of Chemistry and Chemical Engineering, and the State Key Lab of Coordination Chemistry, Nanjing University, Nanjing 210093, PR China; Fax: 86-25-83314502; E-mail: yipan@nju.edu.cn.

Table of Contents

$^{31}$P-NMR spectra for compounds 13b (p. 2), 13c (p. 2), 13d (p. 3) and 13e (p. 3)

$^{31}$P-NMR spectra for compounds 17 (p. 4), 18 (p. 4), 19 (p. 5), 20 (p. 5), 21 (p. 6), 23 (p. 6) and 26 (p. 7)
13d

Pulse Sequence: zgpt1

13e

Pulse Sequence: zgpt1