Supplementary Information

Bismuth Compounds in Organic Synthesis. A One-Pot Synthesis of Homoallyl Ethers and Homoallyl Acetates from Aldehydes Catalyzed by Bismuth Triflate.

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General Experimental

NMR spectra were recorded at 270 MHz (^1H) and 67.5 MHz (^{13}C) in CDCl_3 as the solvent. Flash chromatography was performed on silica gel (230-400 Mesh). Thin-layer chromatography was performed on aluminum backed silica gel plates. Spots were visualized under UV light and by spraying the plate with phosphomolybdic acid followed by heating. All products have been previously reported in the literature and were characterized by ^1H and ^{13}C NMR spectroscopy. Product purity was also checked by GC analysis on a capillary GC instrument equipped with a capillary column (CP-Sil 8). Bismuth triflate was stored in a vacuum desiccator.

afp1043.3

afp1043carbon.3

afp1095pure.3

atp109Spurecar.2

afp1041pure.3

afp1041purecar.3

mp100/pure2.5

afp1067pure2car.3

pwa1139.6

X : parts per Million : 1H

pwa1139.6

pwa1131pump.4

pwa1125pump.6

X : parts per Million : 1H

pwat1120pump.6

X : parts per Million : 13C

pwat1159pump.4

pwa1159pump.4

arb147frac4966.3

arb1147frac4866car.4

emd1129pure.3

emd1129purecar.3

arb1083purified.5

arb1083purified.5

arb1077purified1.4

emd1049pure.3

arb1105frac2556.5

arb1105frac2556.5

arb1101frac1428.3

arb1101frac1428car.3