Preparation of Allyl Sulfoxides by Palladium-Catalyzed Allylic Alkylation of Sulfenate Anions

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Supporting Information

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(I) General remarks

Dichloromethane was distilled from CaH_2 . All other reagents and solvents were used without further purification. ^1H NMR (400 MHz) and ^{13}C NMR (100 MHz) were recorded on a 400 MHz spectrometer using the residual peak of chloroform-*d* as internal standard. Chemical shifts are reported in ppm. Only the strongest or structurally most important IR spectra peaks were listed. Chromatographic purifications were conducted using 40-63 μm silica gel and analytical TLC were performed on precoated silica 60-F₂₅₄ plates.

7.3204
7.3160
7.3046
7.3002
7.1398
7.1203

3.1174
3.0991
3.0801

2.5498
2.5302
2.5119
2.3433

1.4702

3-*para*-tolylsulfanyl-propionic acid *tert*-butyl ester

1a

3-isopropylsulfanyl-propionic acid *tert*-butyl ester

1c

3-(propane-2-sulfinyl)-propionic acid *tert*-butyl ester

126.3248
122.9660

52.6461
48.6876

16.3166
14.3031

allyl-isopropyl sulfoxide

(cyclohex-2-enyl)-isopropyl sulfoxide