Mono and β,β -double Heck reactions of α,β -unsaturated carbonyl compounds in aqueous media

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Supporting Information

Table of Contents:

1. General experimental methods (S1)
2. ¹H NMR spectra for synthesized compounds **5b**, **5g**, **5i**, **5j**, **5l**, **5p** and **6d** (S2-S8)

1. General Experimental Methods. All reagents were of commercial quality and were used as supplied. Melting points were performed by using a metal block. Gas chromatographic analyses were performed on a fused silica capillary column. Column chromatography was carried out with silica gel 60 (230-400 mesh). TLC was performed on precoated aluminium plates on silica gel 60 F254 (0.25 mm). A Fourier transform infrared spectrometer was used. ¹H NMR and ¹³C NMR spectra were recorded at 300 MHz and 75 MHz, respectively in CDCl₃ as solvent and with TMS as the internal reference. GC-MS(EI) was used to determine the molecular masses of the products (*m/z* rel. intensity in % of base peak). High-resolution mass spectral analysis was carried out by electronic impact. The catalysts were weighed up in an electronic microscale with precision of 1 μ g.