

Supplementary Material

Facile and eco-friendly synthesis of bis(2-tetrahydrobenzofuranyl)alkanes catalyzed by $\text{H}_2\text{SO}_4 \cdot \text{SiO}_2$ under solvent-free conditions

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1. General

Chemicals

All chemical reagents and materials were purchased from commercial suppliers and used without further purification.

The solvents of ethyl acetate and petroleum ether (boiling range, 60-90 °C) were dried by CaCl_2 and distilled immediately before use.

Flash column chromatography for purification was performed in a glass column by using 200-300 mesh silica gel.

Analytcs

Melting points were determined with an uncorrected X-4 Digital melting point apparatus. IR spectra were recorded on a PE-983 infrared spectrometer as KBr pellets with absorption in cm^{-1} . NMR spectra were recorded in deuterated chloroform (CDCl_3) as

solvent employing tetramethylsilane (TMS) as internal standard on Bruker AVANCE III 400 MHz Plus NMR spectrometer. MS data were measured on API 4000 LC-MS/MS system or Finnigan Trace MS instrument. Elemental analyses were carried out with a Vario EL III elementary analysis instrument.

2. ^1H NMR and ^{13}C NMR Spectra for the compounds 3a-3r





































