Supporting Information for:

A New [2+2+1] Heterocyclization for the Synthesis of 2,3,5-Trisubstituted Thiophenes under Microwave Irradiation

Hai-Wei Xu, a Guan-Hua Ma, a Bo Jiang, *, a and Shu-Jiang Tu *, a

a School of Chemistry and Chemical Engineering, and Jiangsu Key Laboratory of Green Synthetic Chemistry for Functional Materials, Jiangsu Normal University, Xuzhou, 221116, Jiangsu, P. R. China

Fax: 86516-83500065.

E-mail: jiangchem@jsnu.edu.cn (B. J.); laotu@jsnu.edu.cn (S. J.)
$^1$H NMR Spectrum of Compound 3c

$^{13}$C NMR Spectrum of Compound 3c
$^{13}$C NMR Spectrum of Compound 3g

$^1$H NMR Spectrum of Compound 3h
$^{13}$C NMR Spectrum of Compound 3h

$^1$H NMR Spectrum of Compound 3i
$^{13}$C NMR Spectrum of Compound 3k

$^1$H NMR Spectrum of Compound 3l
$^{13}$C NMR Spectrum of Compound 3m

$^1$H NMR Spectrum of Compound 3n
1H NMR Spectrum of Compound 3r

13C NMR Spectrum of Compound 3r