

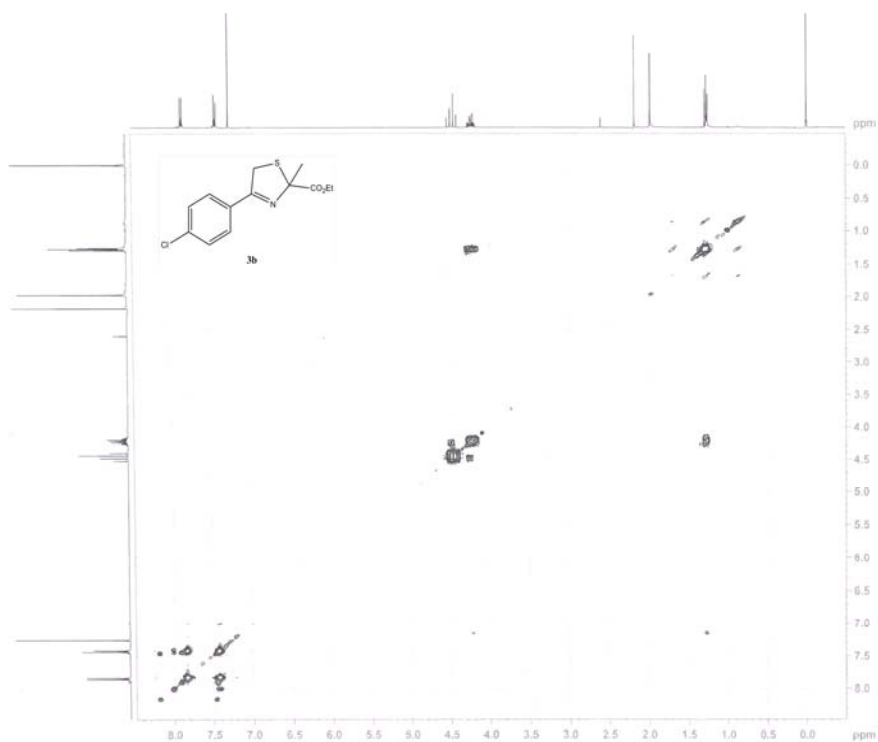
Supporting Information
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Support information

Unexpected Rearrangement, A Novel Route to 3-Thiazoline

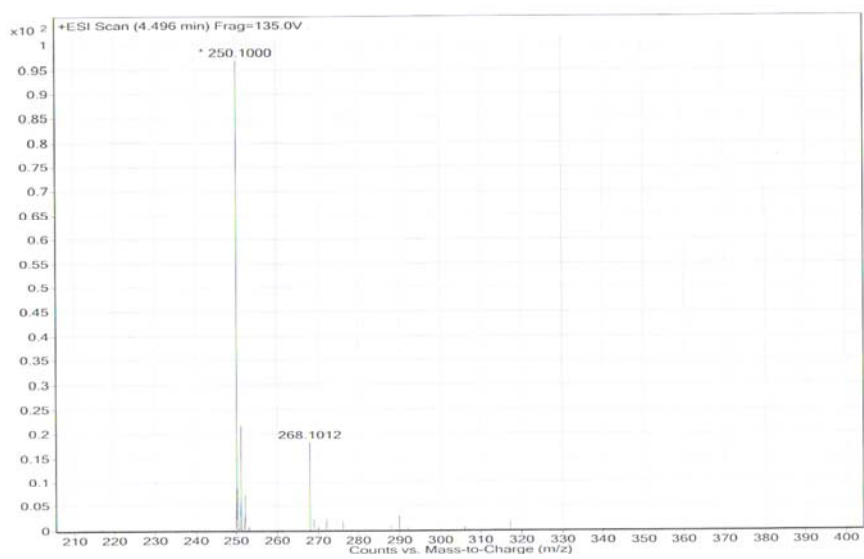
Yingrui Liu, Baoxiang Zhao,* Yonghai Li, Liangwen Zheng, Jinting Liu

Institute of Organic Chemistry, School of Chemistry and Chemical Engineering, Shandong University, Jinan 250100, PR China,. Fax: 86 531 88564464; Tel: 86 531 88366425; E-mail: bxzhao@sdu.edu.cn

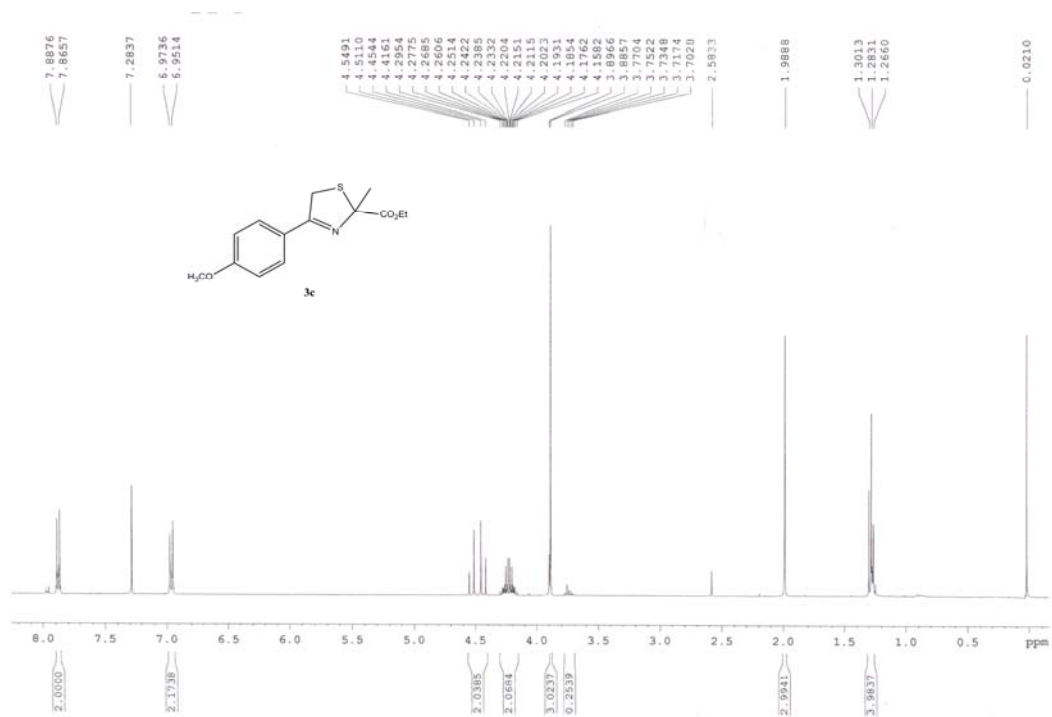


H,H-COSY of compound 3b

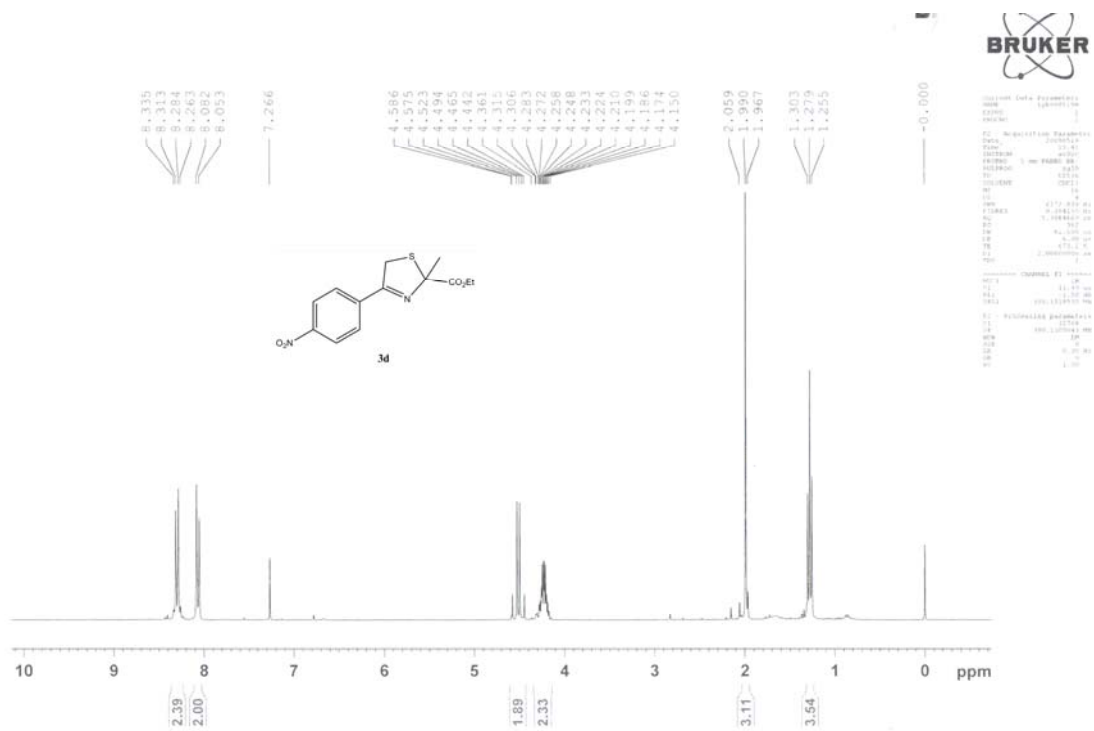
Inj Vol	InjPosition	SampleType	Sample	IRM Calibration Status	Success
-1	0319-1.m	Comment		Acquired Time	6/8/2011 5:28:53 PM



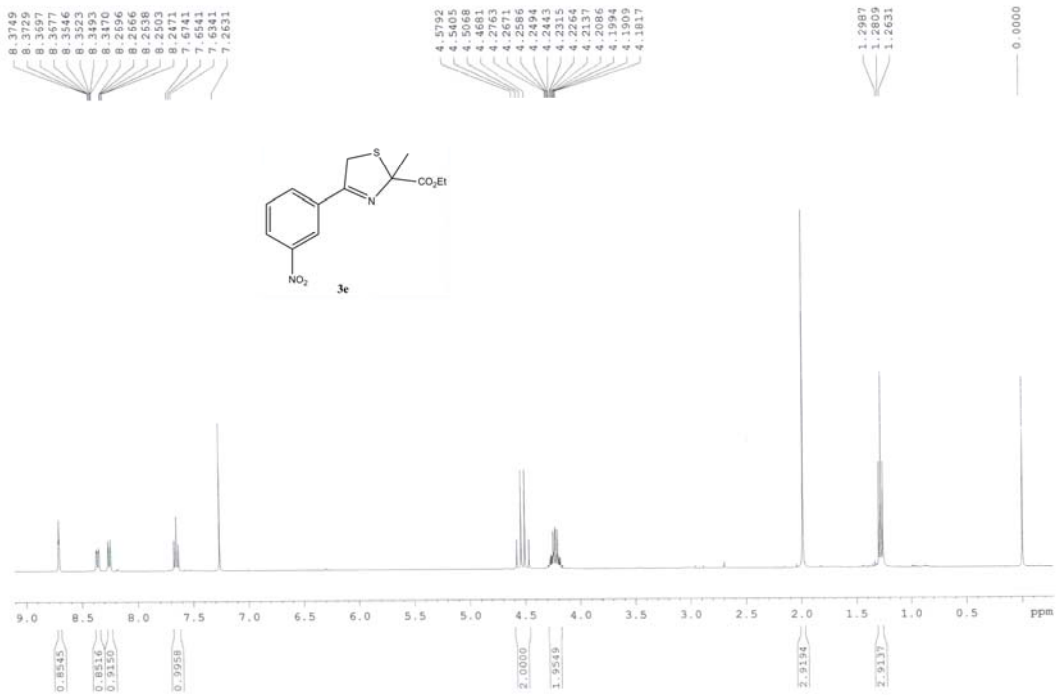
LC-MS of the reaction mixture at the reaction time of 20 min.



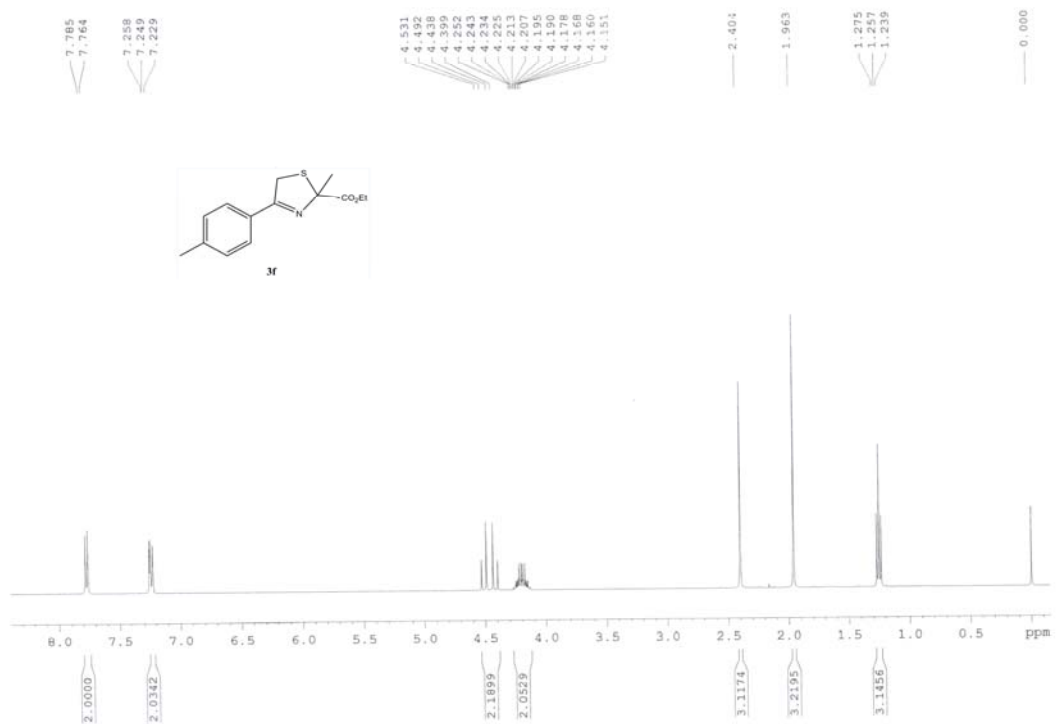
400 MHz ^1H NMR spectrum of compound 3c, in CDCl_3



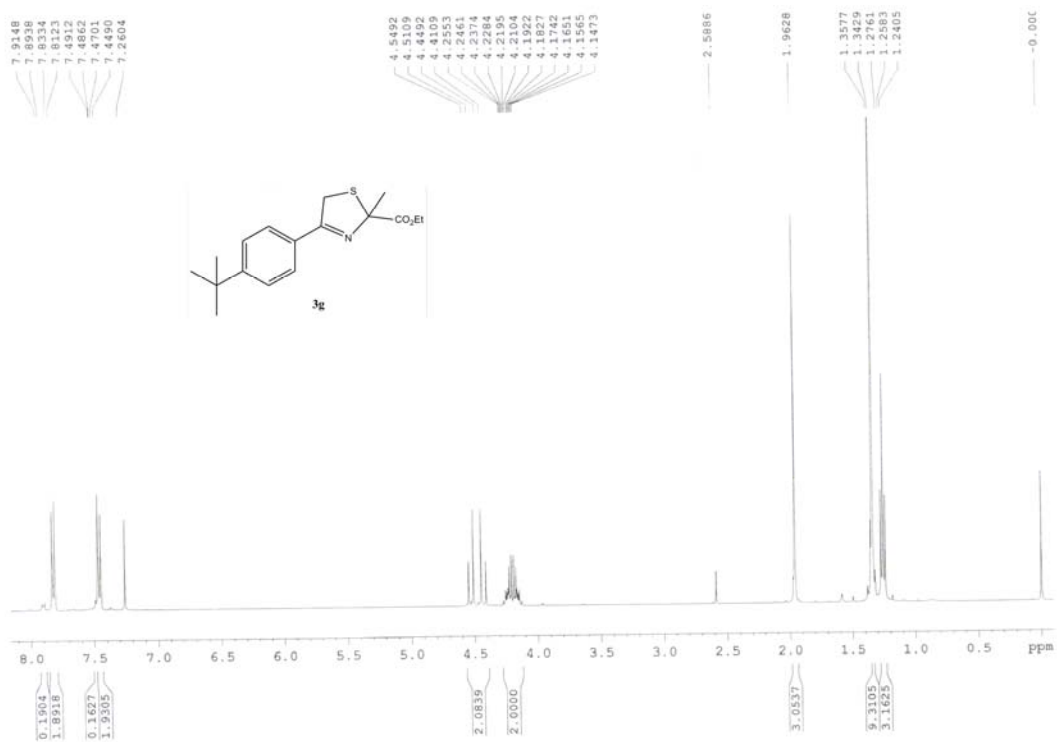
300 MHz ^1H NMR spectrum of compound 3d, in CDCl_3



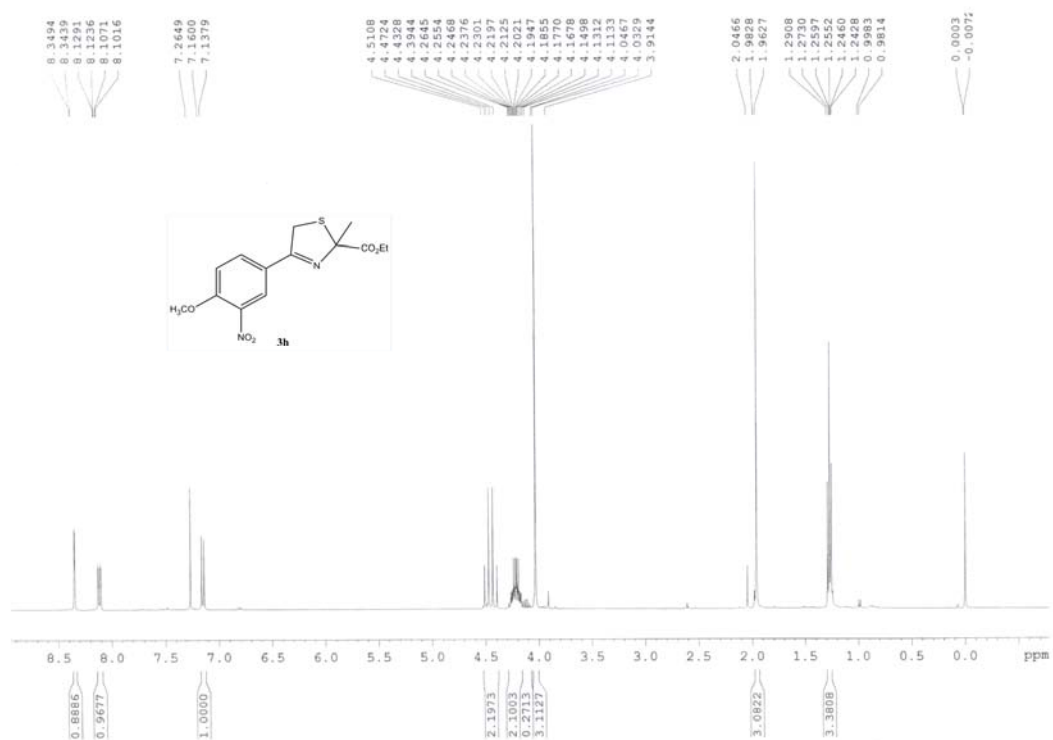
400 MHz ^1H NMR spectrum of compound **3e**, in CDCl_3



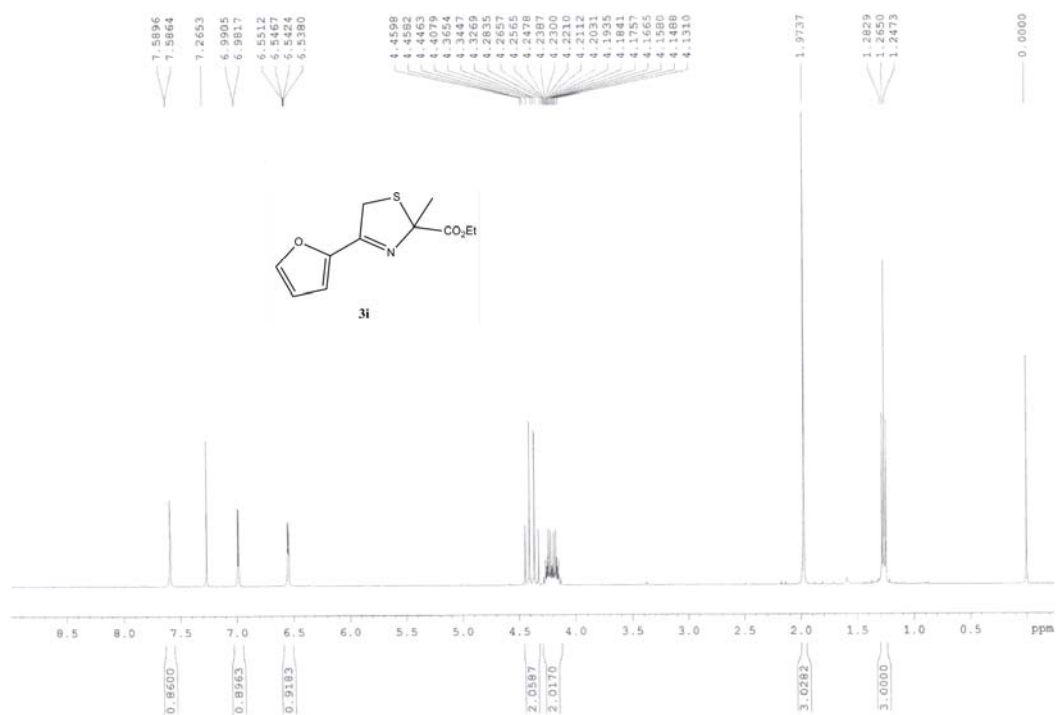
400 MHz ^1H NMR spectrum of compound **3f**, in CDCl_3



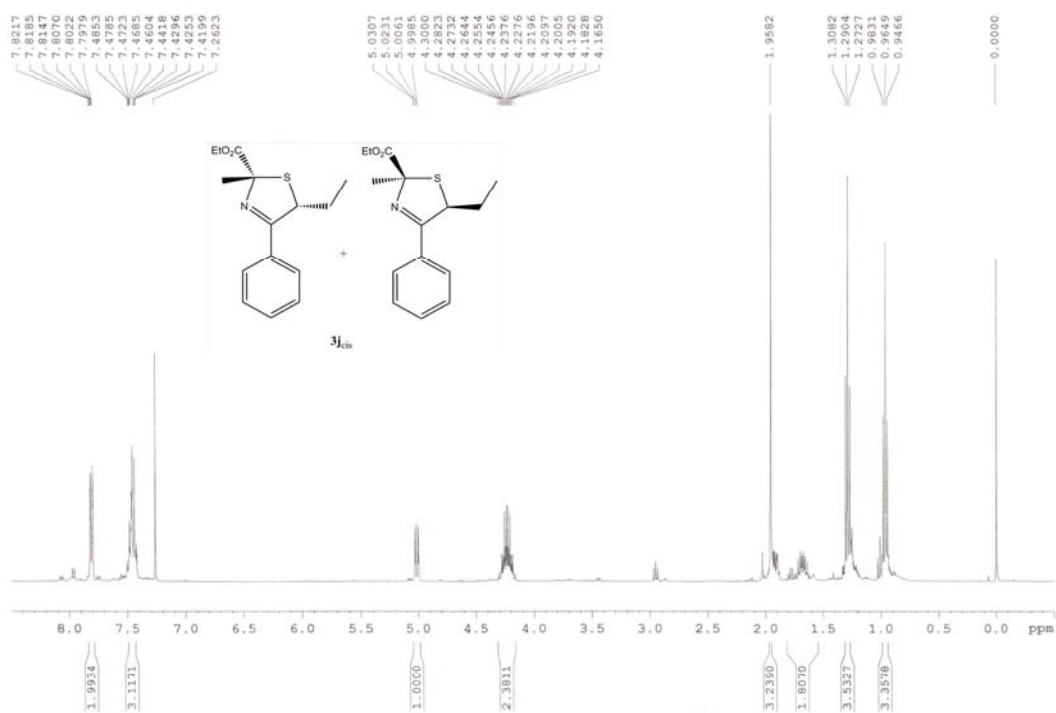
400 MHz ^1H NMR spectrum of compound **3g**, in CDCl_3



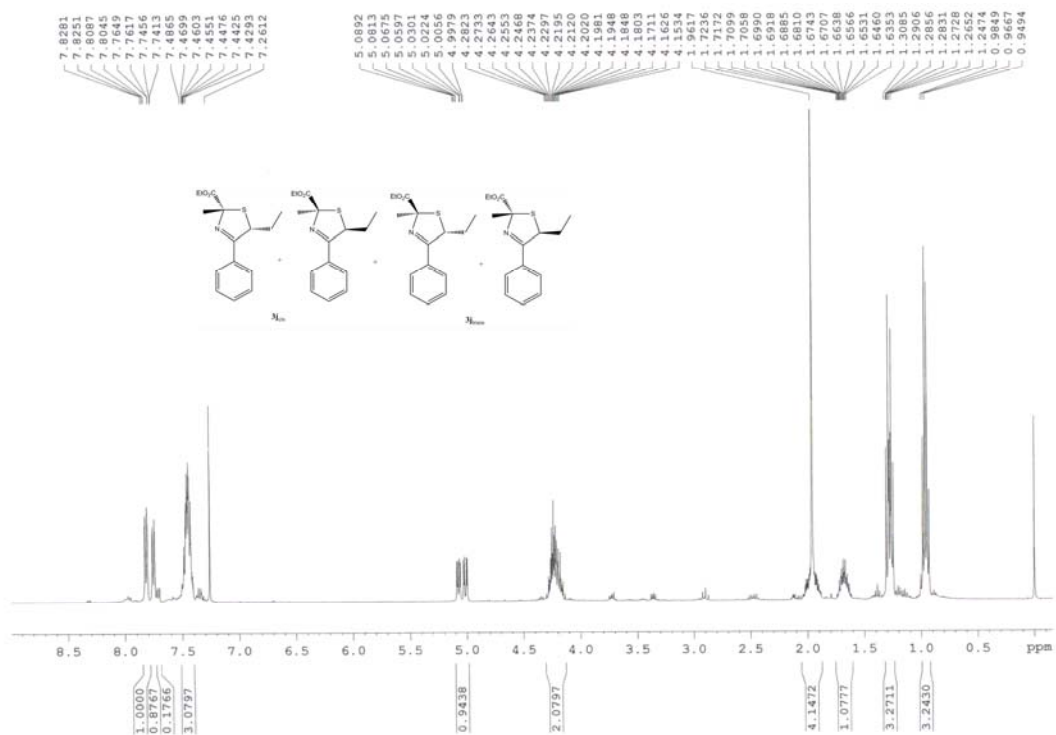
400 MHz ^1H NMR spectrum of compound **3h**, in CDCl_3



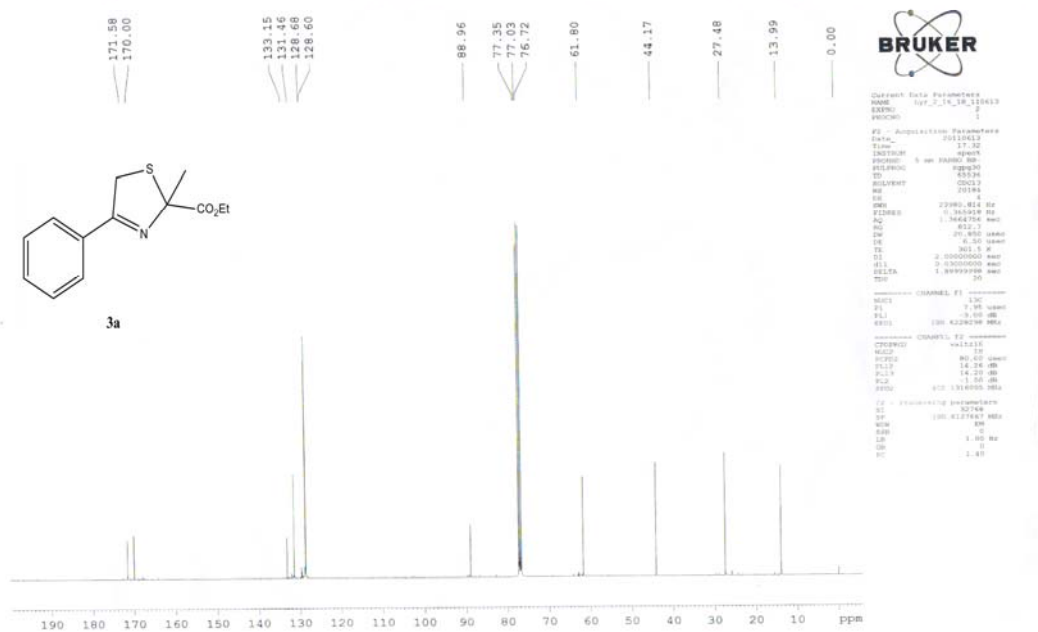
400 MHz ^1H NMR spectrum of compound **3i**, in CDCl_3



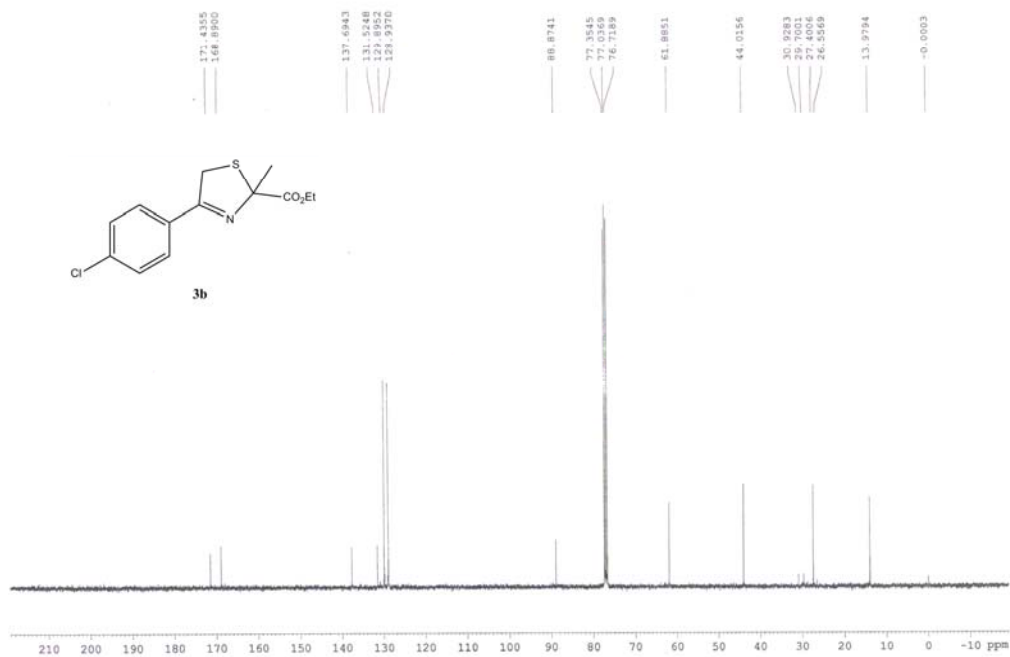
400 MHz ^1H NMR spectrum of compound **3j_{cis}**, in CDCl_3



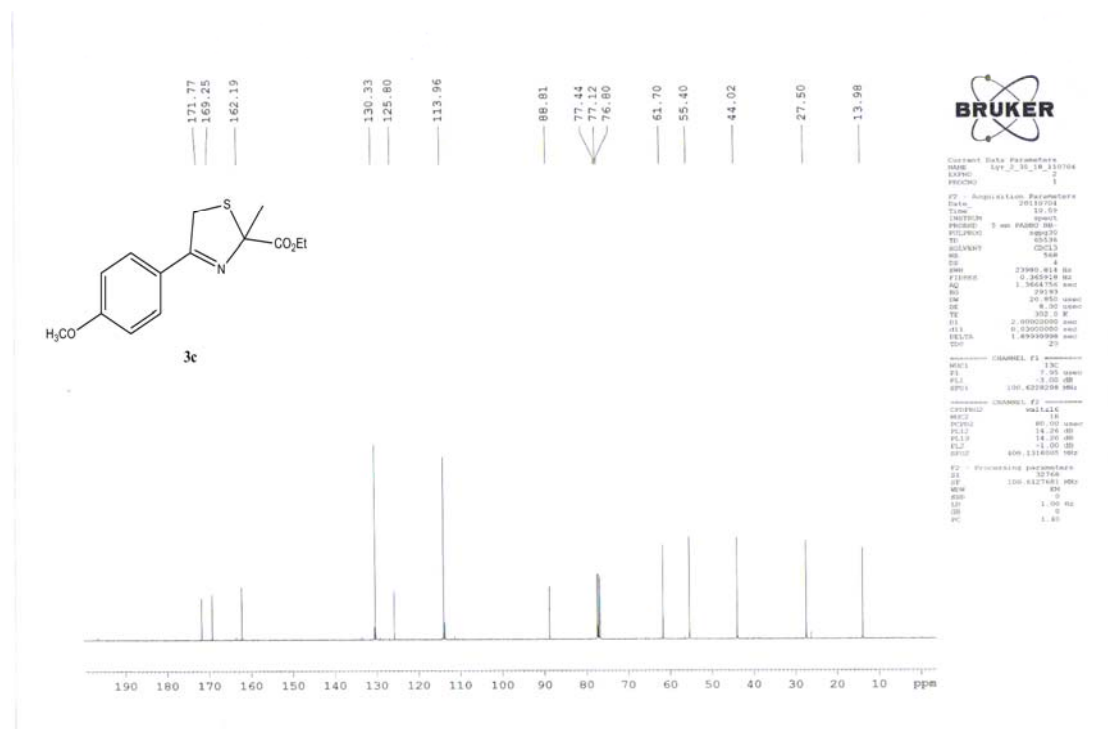
400 MHz ^1H NMR spectrum of compound 3j, in CDCl_3



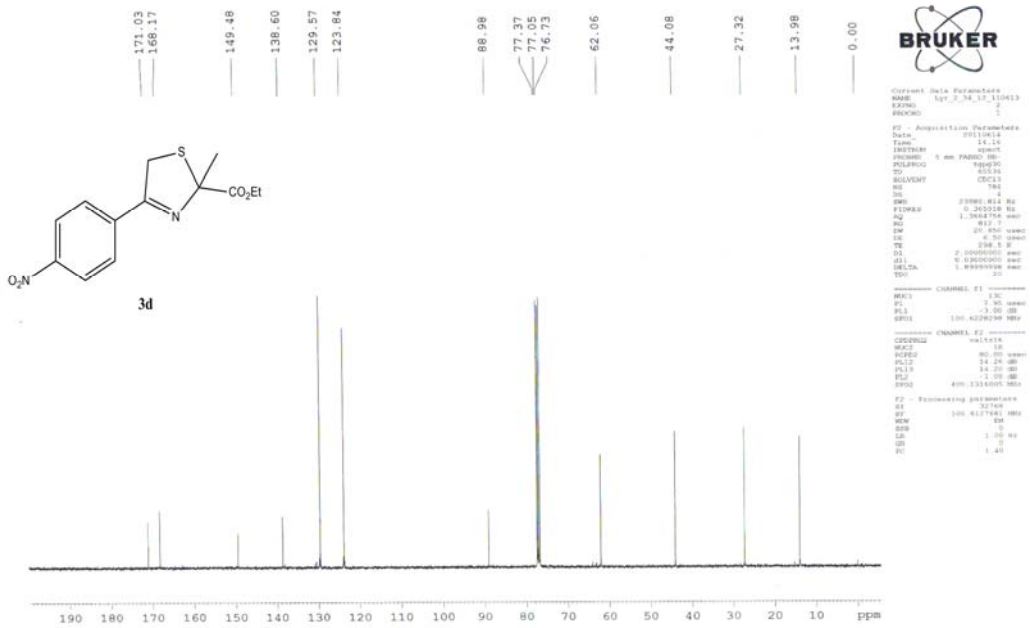
100 MHz ^{13}C NMR spectrum of compound 3a, in CDCl_3



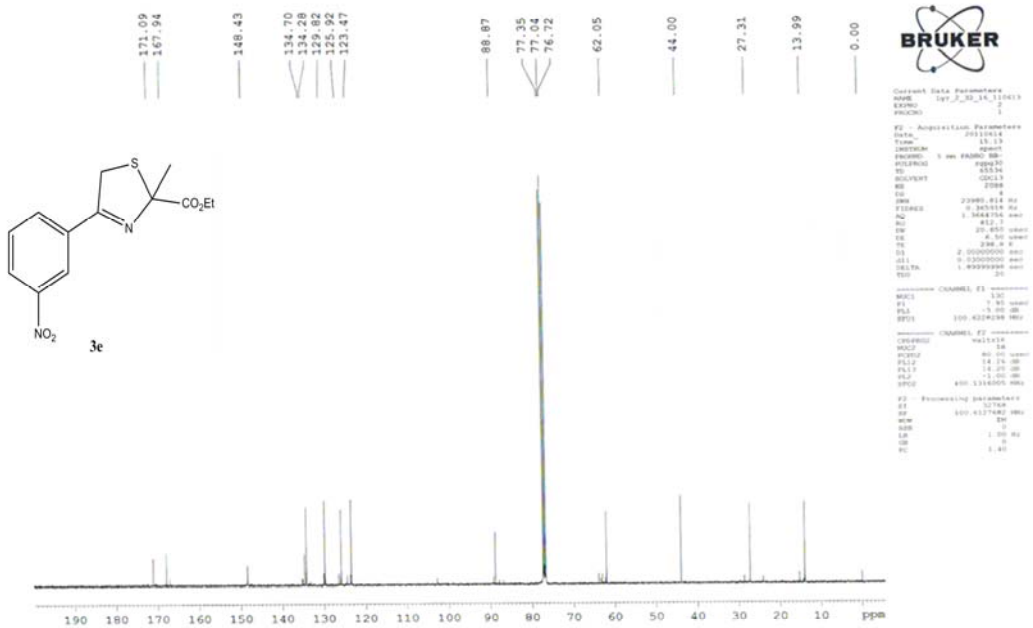
100 MHz ^{13}C NMR spectrum of compound **3b**, in CDCl_3



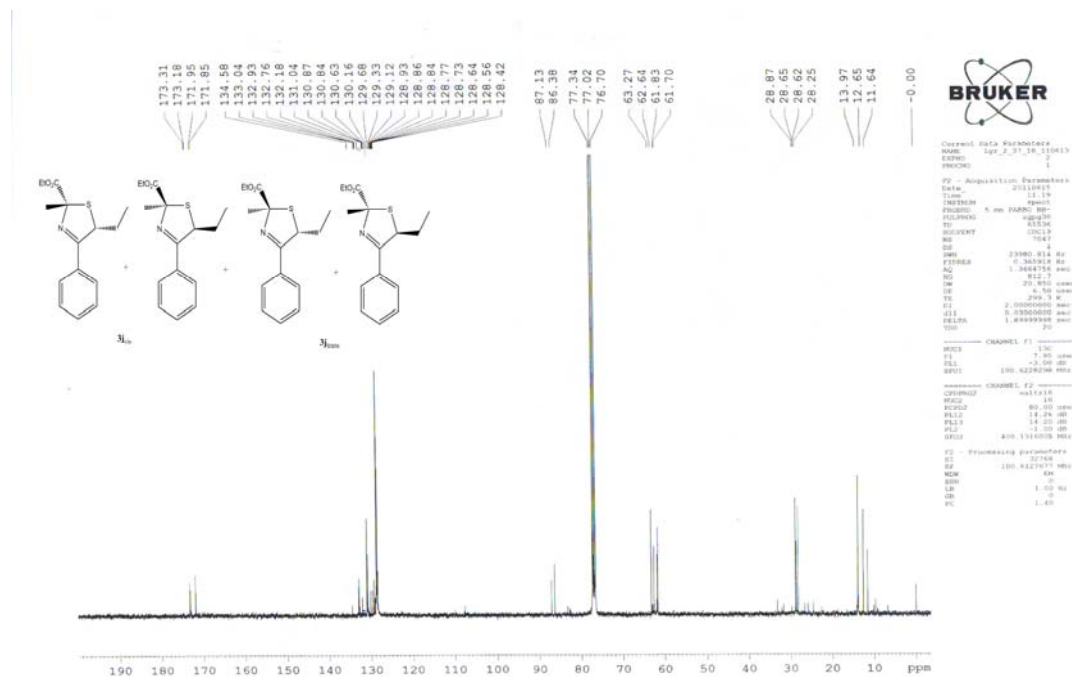
100 MHz ^{13}C NMR spectrum of compound **3c**, in CDCl_3



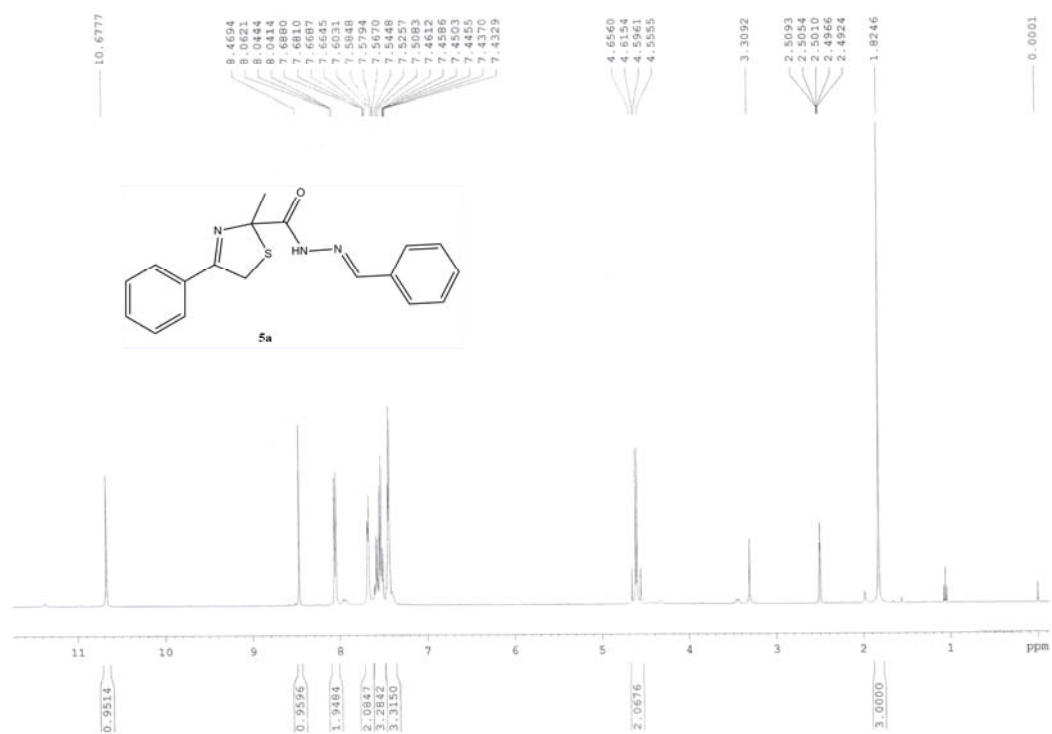
100 MHz ^{13}C NMR spectrum of compound **3d**, in CDCl_3



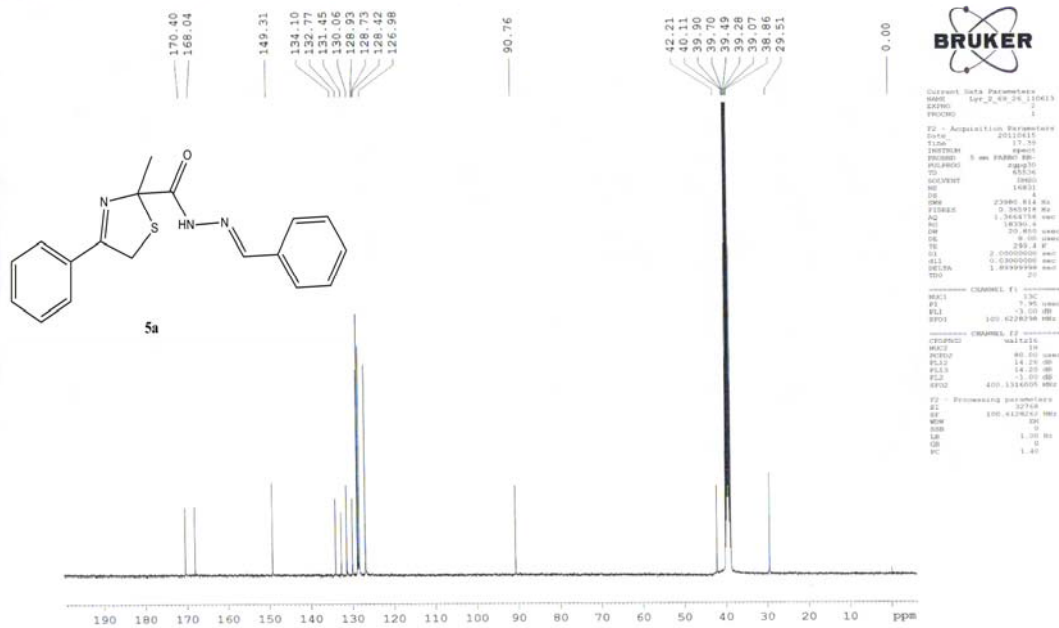
100 MHz ^{13}C NMR spectrum of compound **3e**, in CDCl_3



100 MHz ¹³C NMR spectrum of compound **3j**, in CDCl₃



400 MHz ¹H NMR spectrum of compound **5a**, in DMSO



100 MHz ^{13}C NMR spectrum of compound 5a, in DMSO