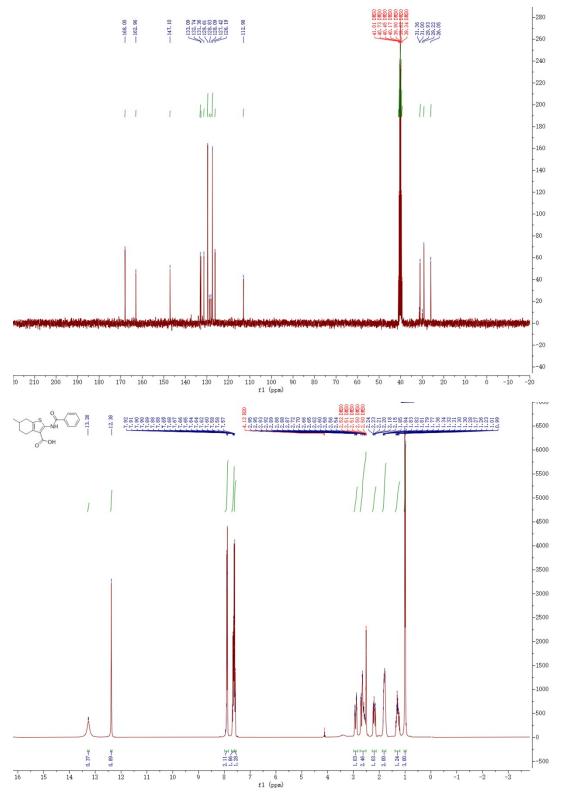
Electronic Supplementary Material (ESI) for RSC Medicinal Chemistry. This journal is © The Royal Society of Chemistry 2022

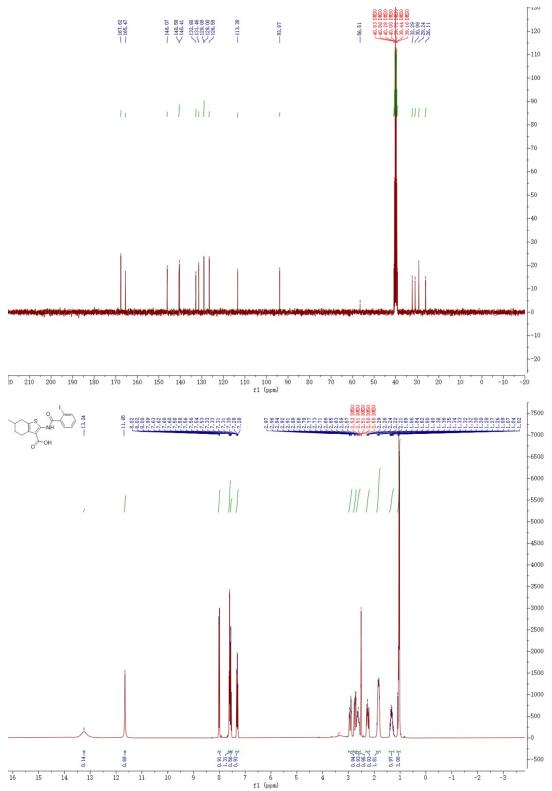
# Support information

# Design, synthesis and Antibacterial Evaluation of a novel class of Tetrahydrobenzothiophene Derivatives

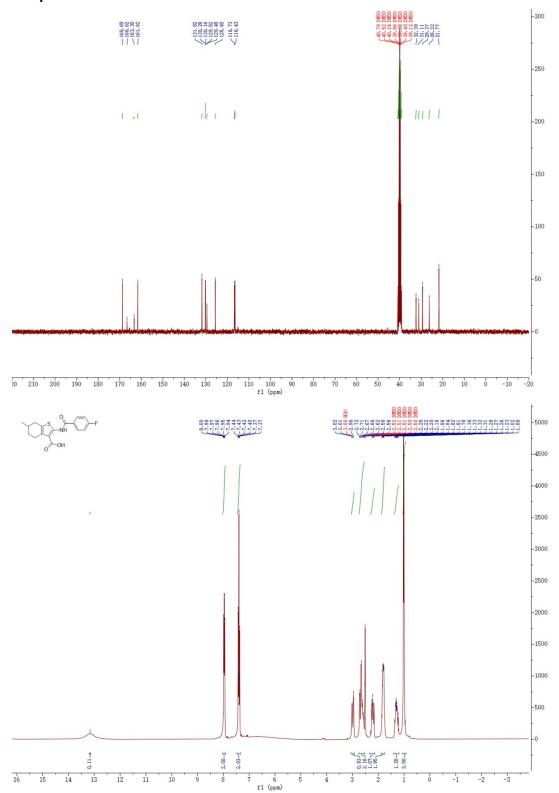
Lin Lai<sup>a</sup>, Jinhua Yang<sup>a</sup>, Wanling Sun<sup>a</sup>, Xiaoyan Su<sup>a</sup>, Jun Chen<sup>a</sup>, Xinan Chen<sup>b</sup>, Shuchen Pei<sup>\*a</sup> <sup>a</sup>Key Laboratory of Industrial Fermentation Microorganism, Chongqing University of Science and Technology, Chongqing, 401331, China <sup>b</sup> German Institute of Engineering, Chongqing College of Mobile Communiton, Chongqing, 401520, China \*e-mail: peishuchen928@163.com The compound characterization, <sup>1</sup>H and <sup>13</sup>C NMR spectra of new compounds Compound 3a

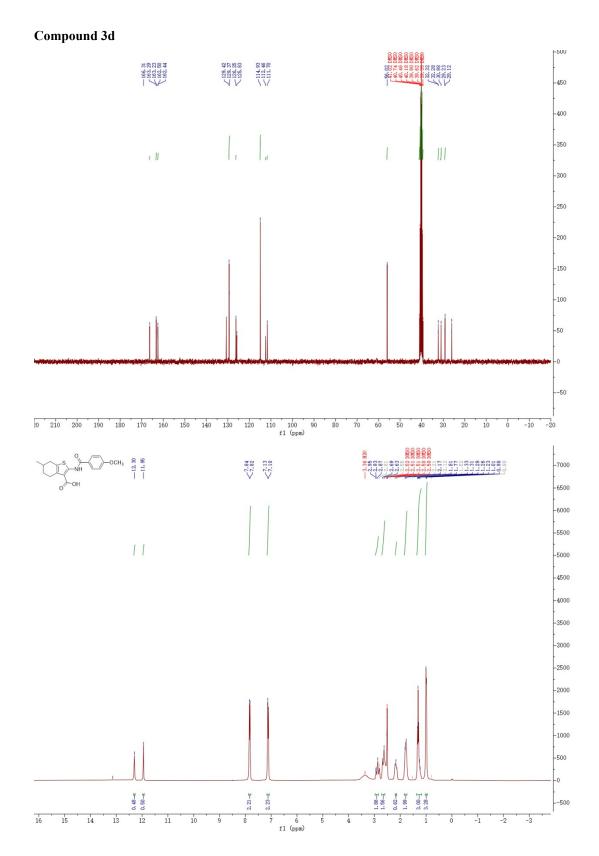




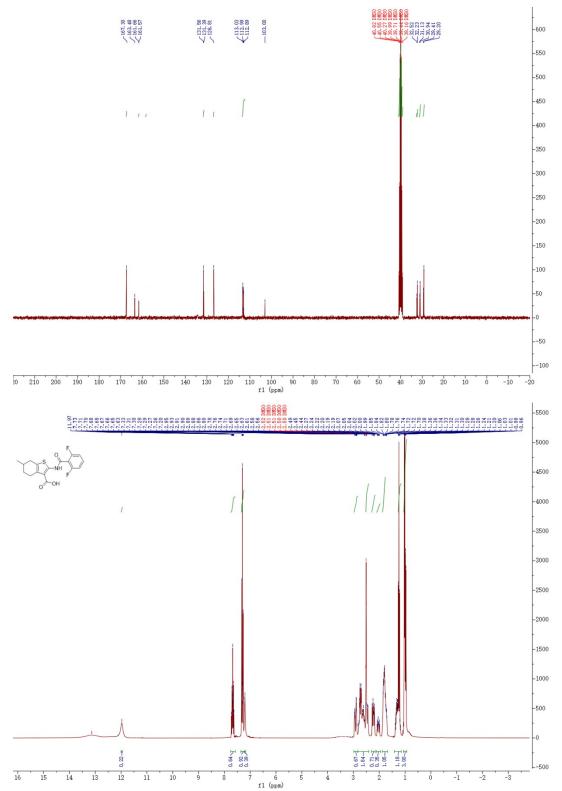


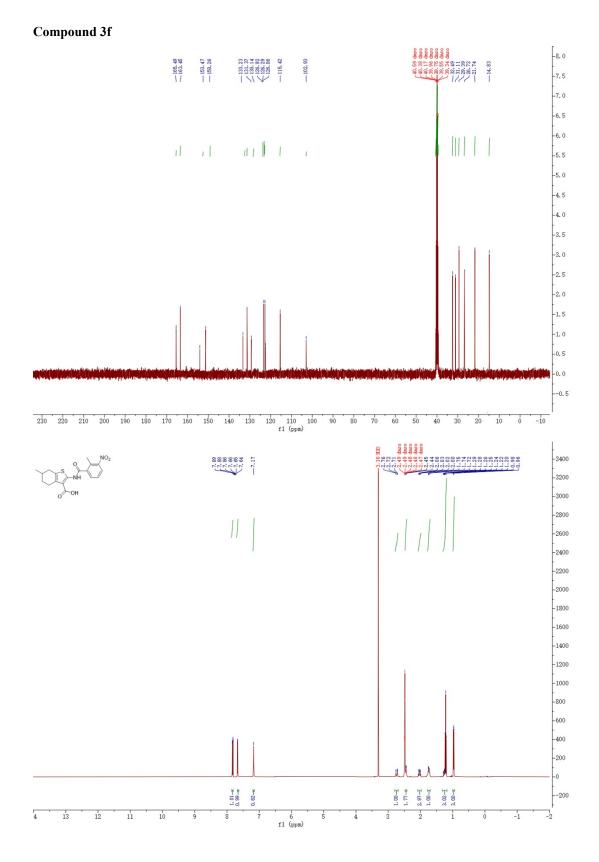
# Compound 3c



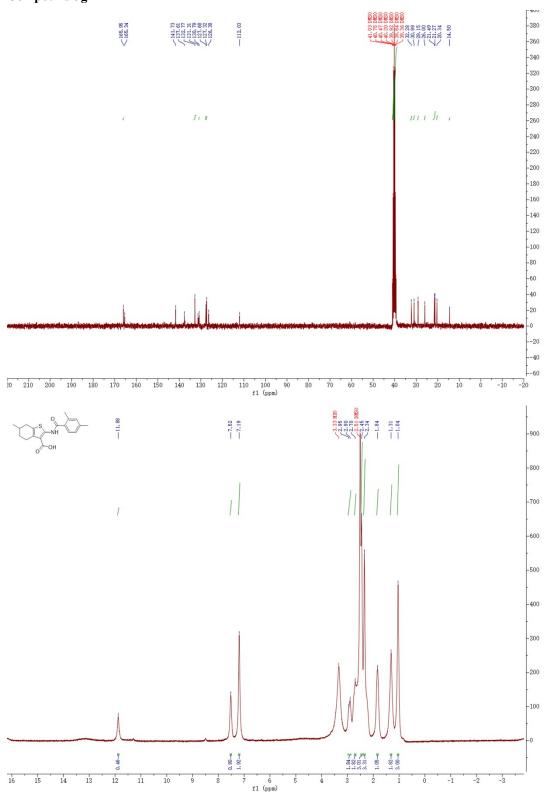


#### Compound 3e

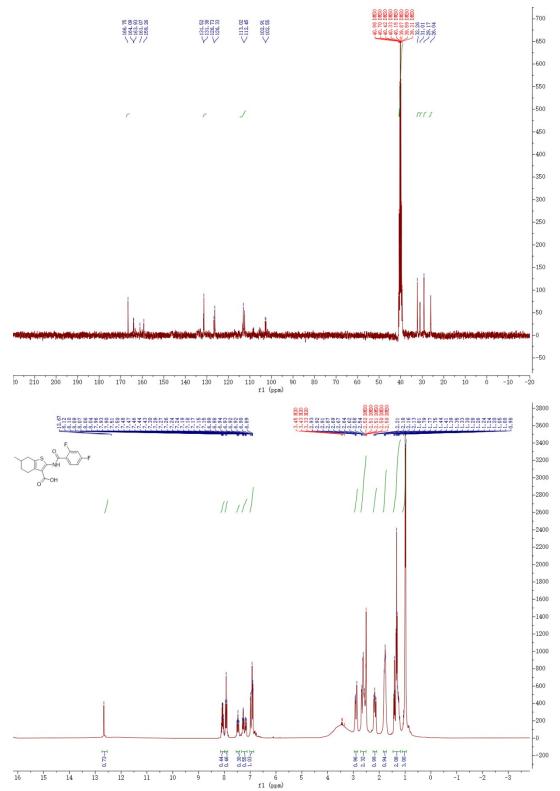


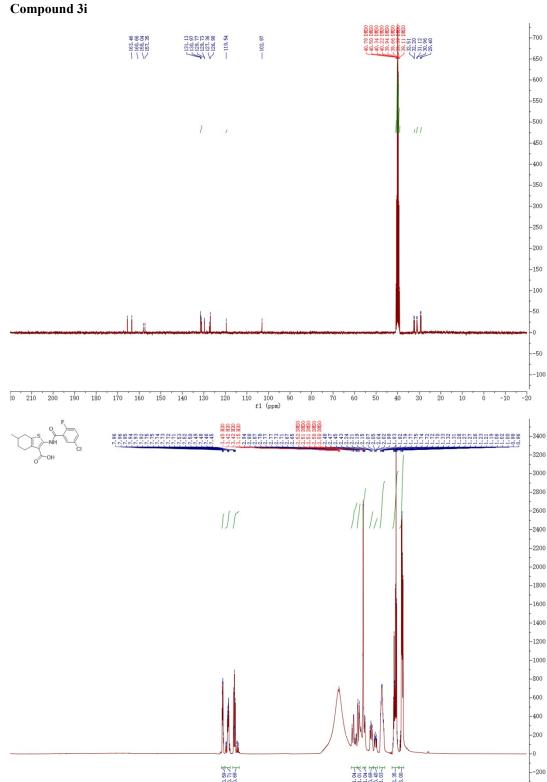






#### **Compound 3h**

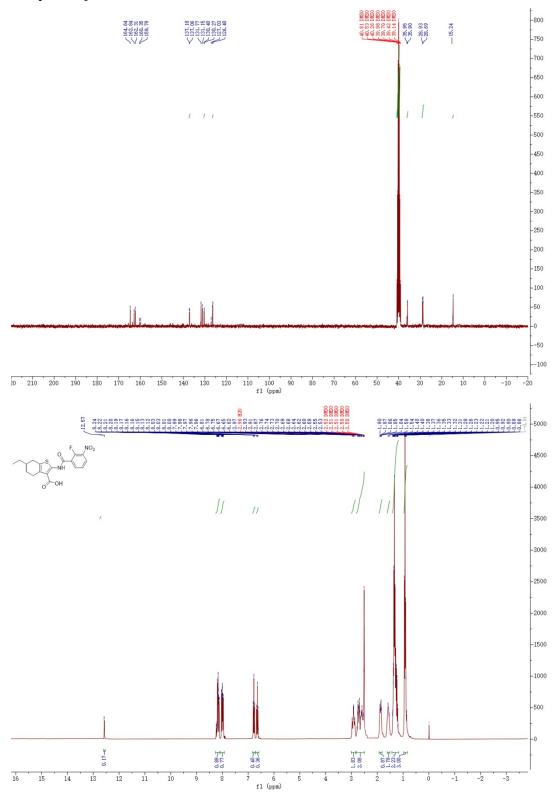




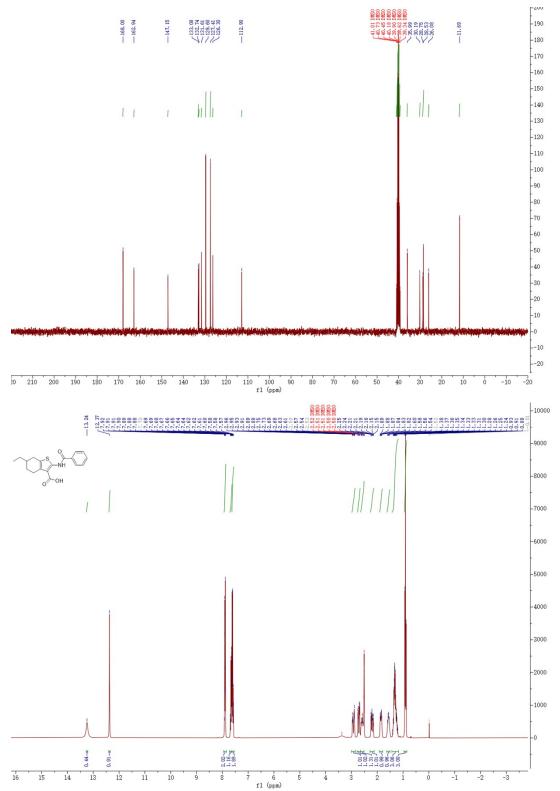
8 8 8 8 8 f1 (ppm) -1 -2 

-3

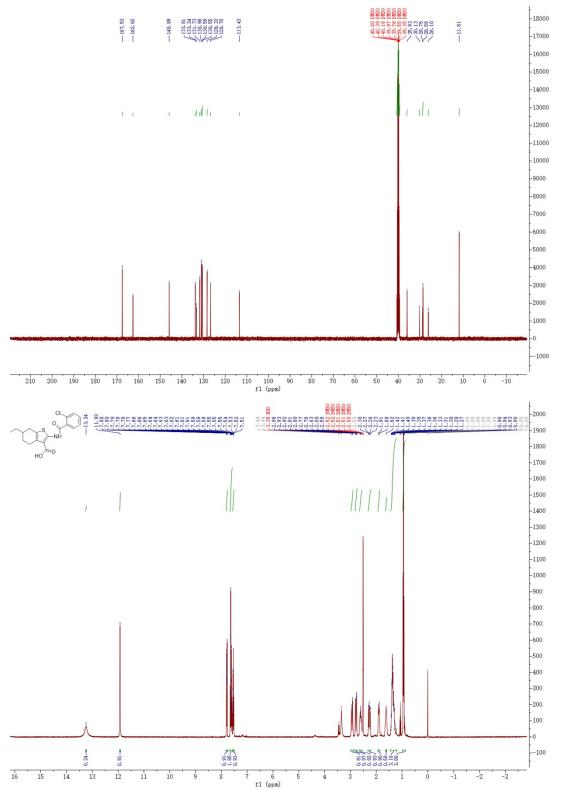




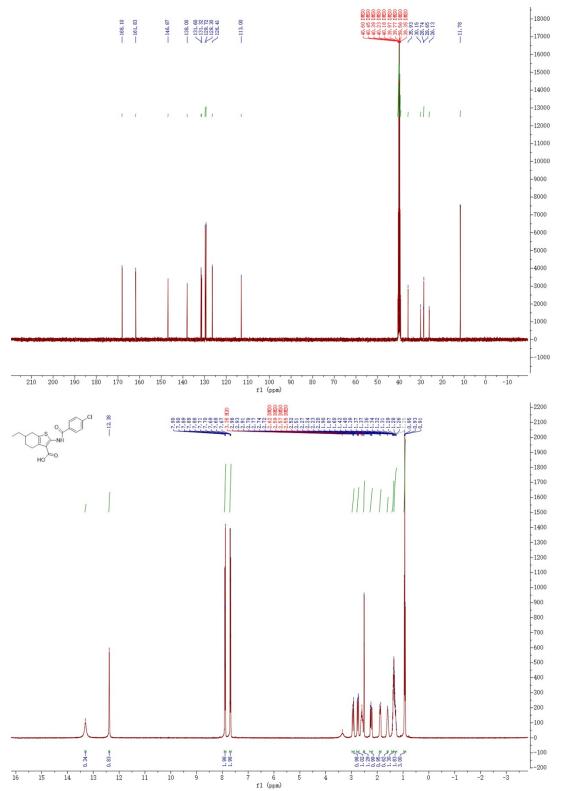
Compound 3k



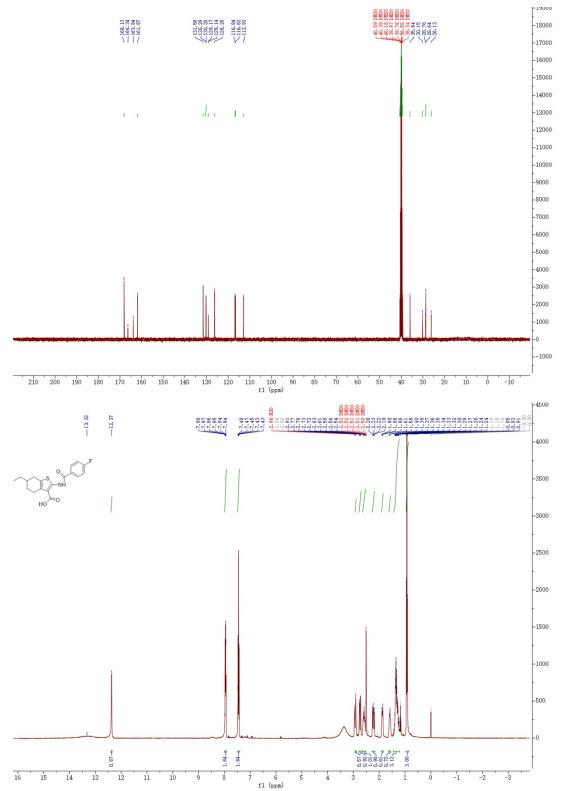




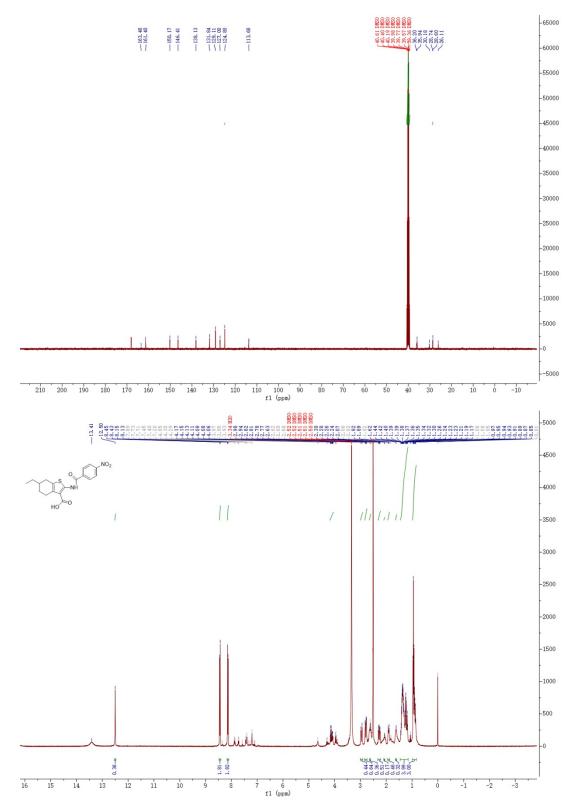
Compound 3m



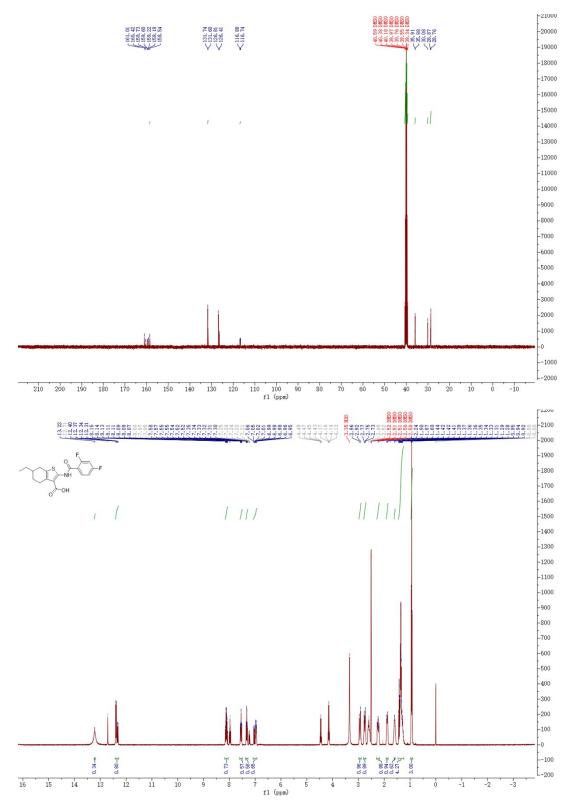
#### Compound 3n



#### **Compound 3o**



## **Compound 3p**



## Compound 3q

