

Supplementary Material

Synthesis of carboxamide and sulfonyl carboxamide linked heterocycles under green conditions

Lakshmi Teja Gaddam, Sreenivasulu Thata, Padmaja Adivireddy, and Padmavathi Venkatapuram

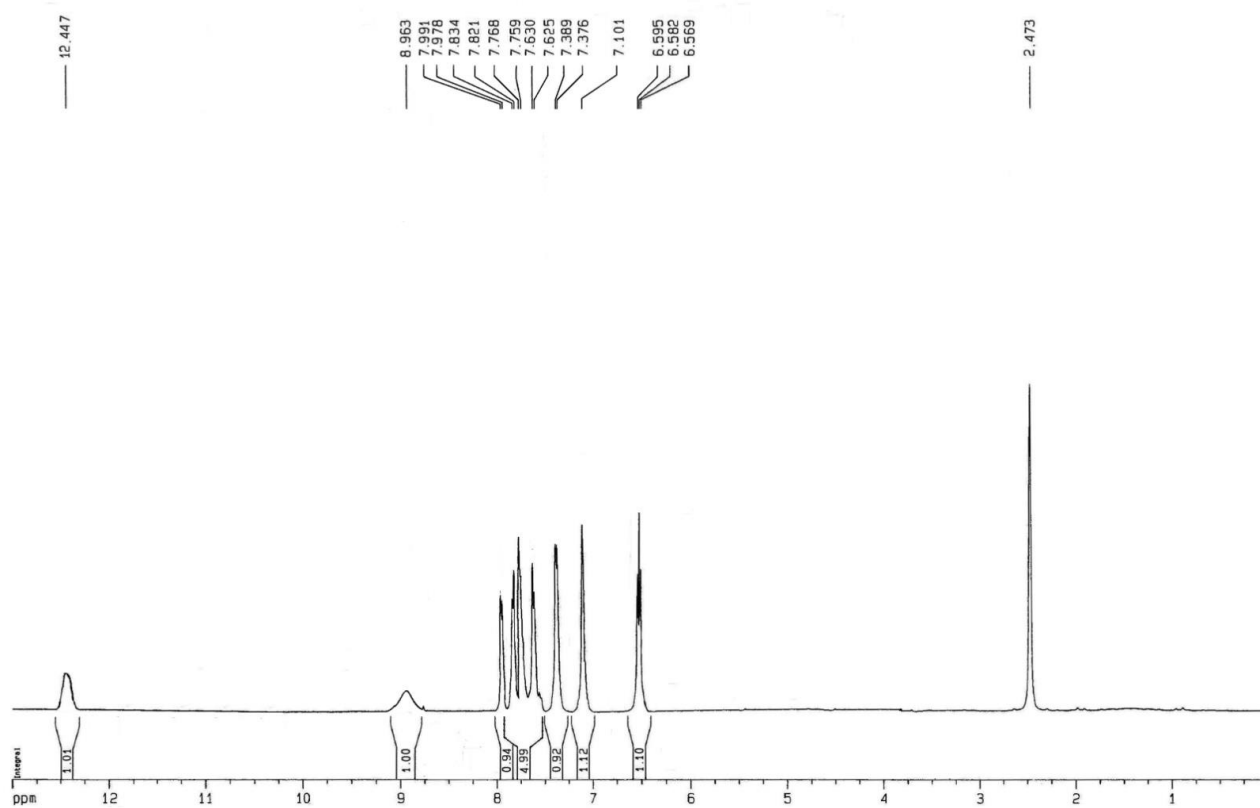
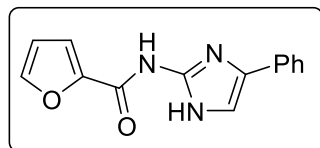
Department of Chemistry, Sri Venkateswara University, Tirupati 517 502, Andhra Pradesh, India

Email: vkpuram2001@yahoo.com

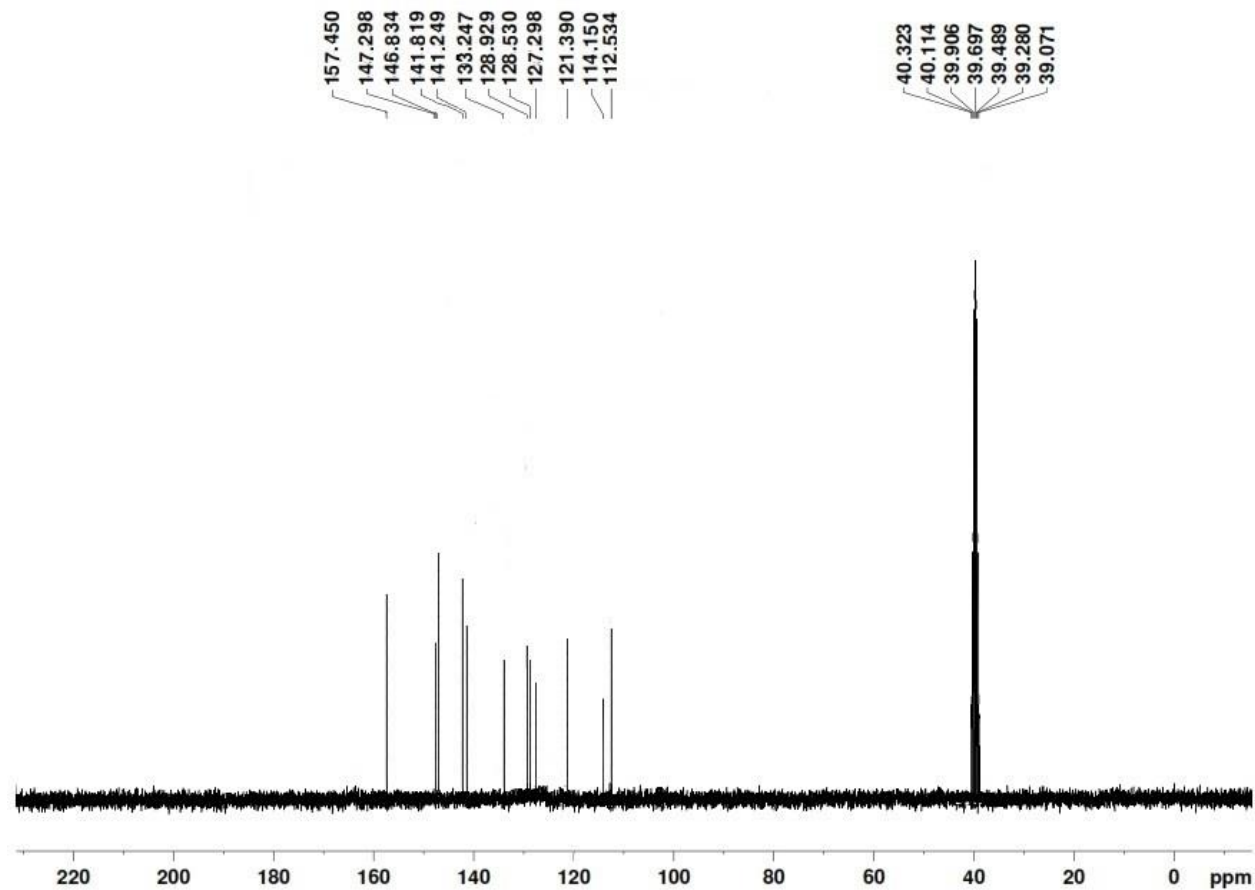
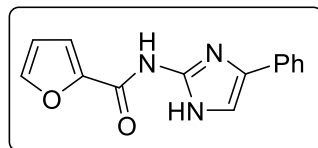
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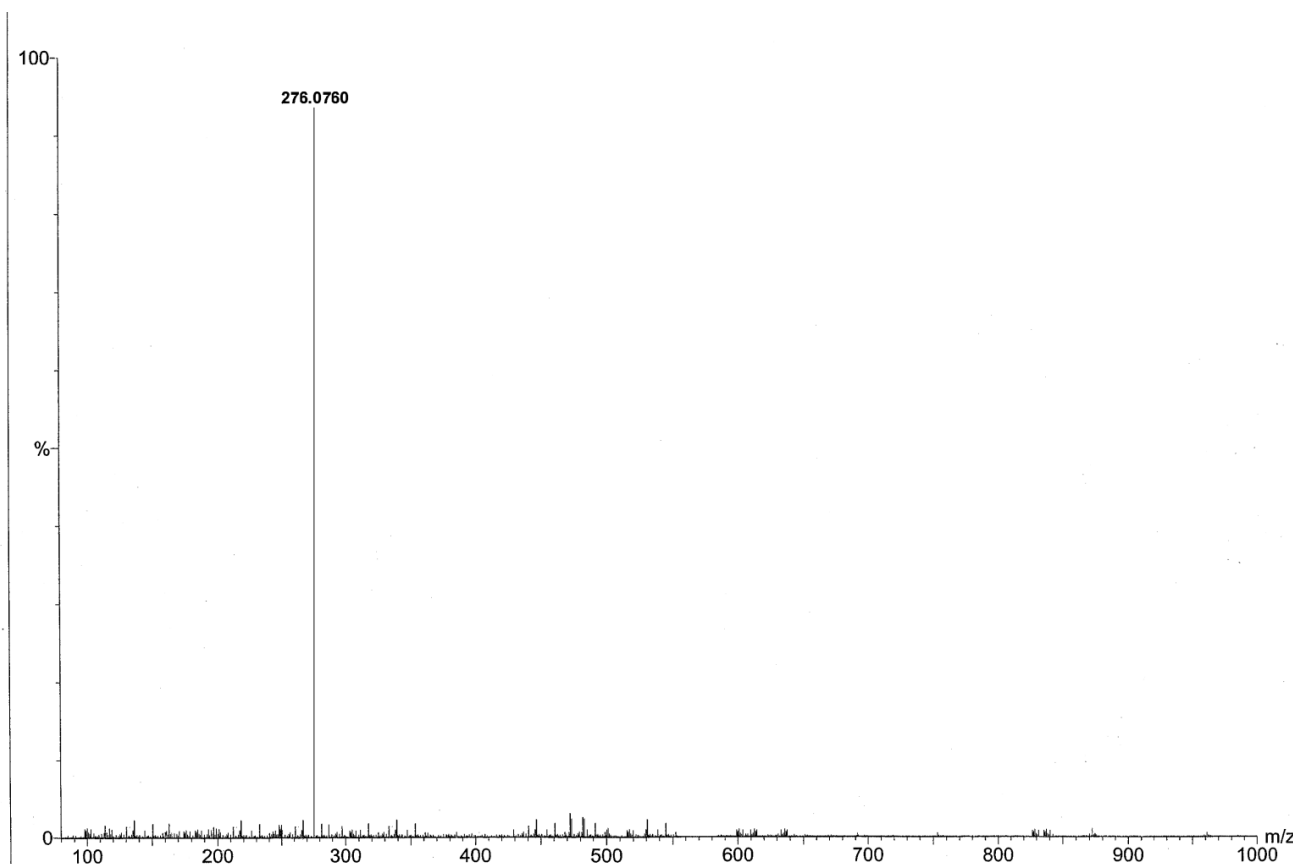
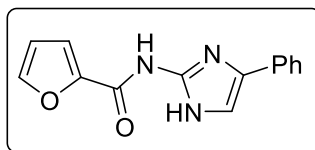
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¹H NMR spectrum of compound **3a**

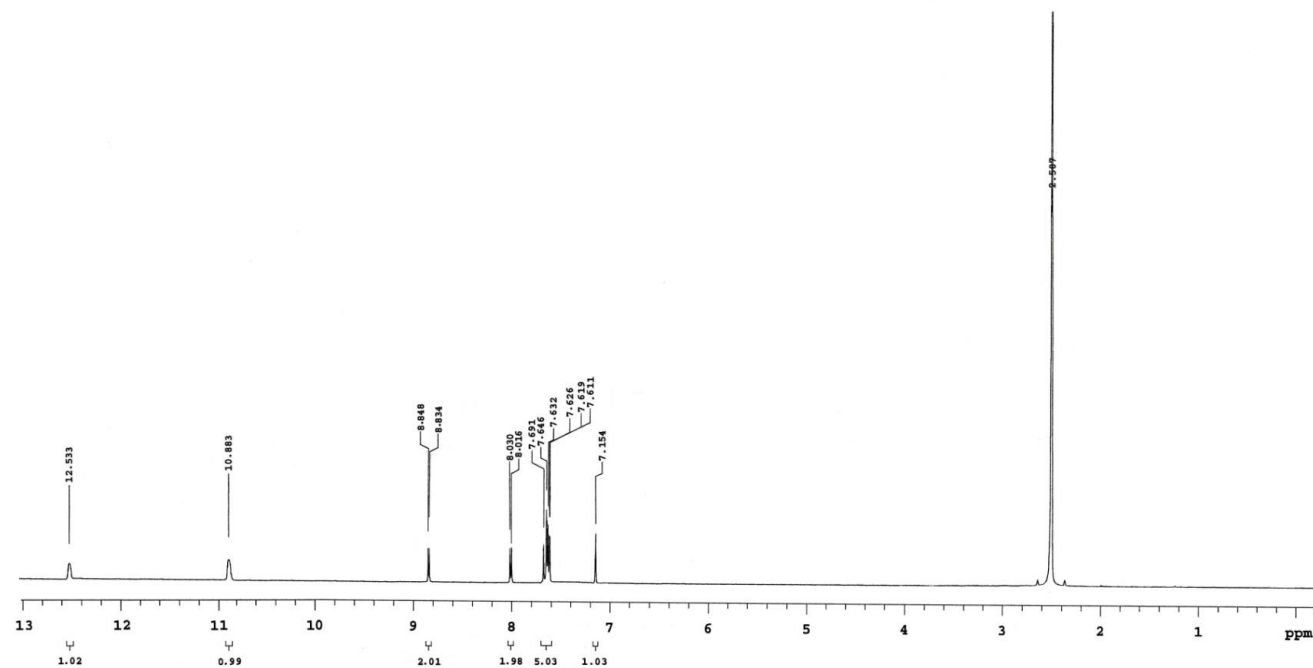
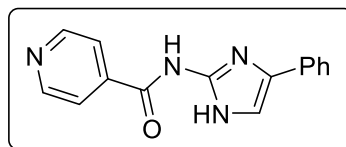


^{13}C NMR spectrum of compound **3a**

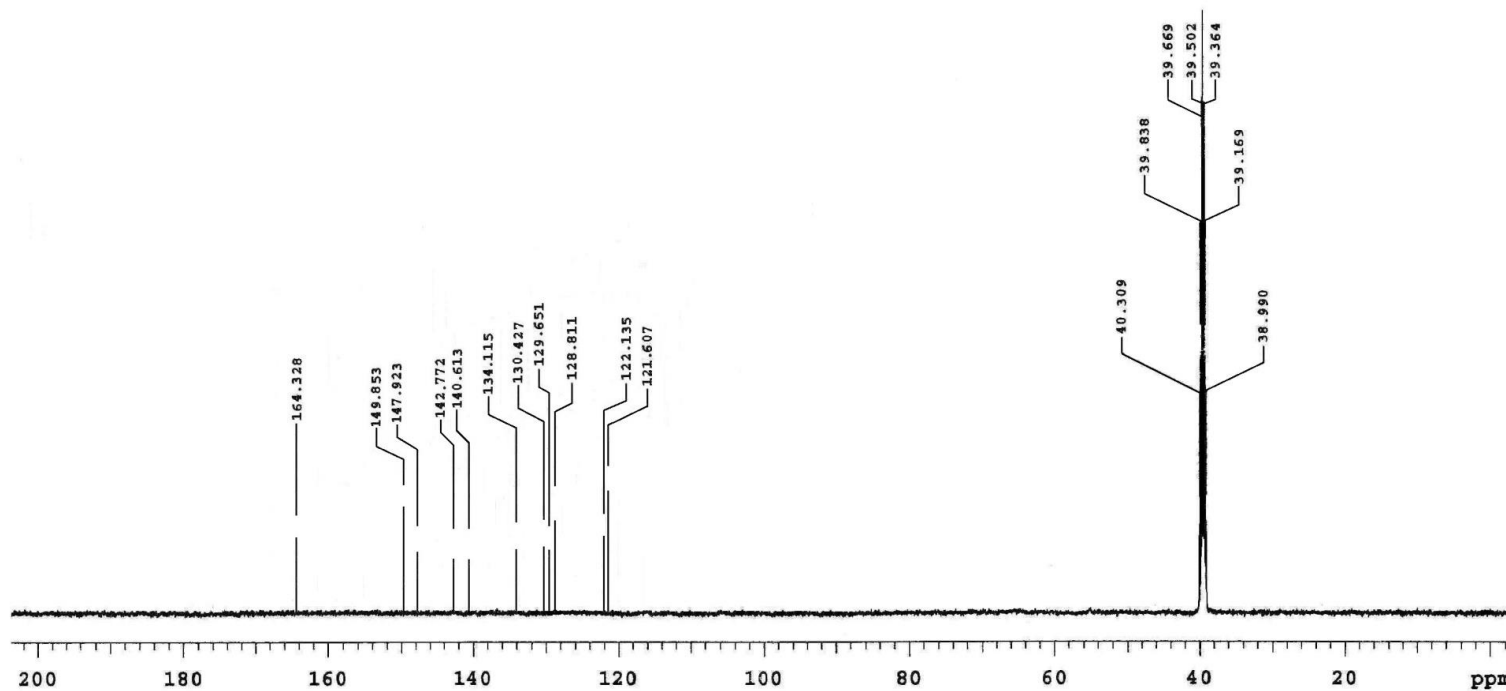
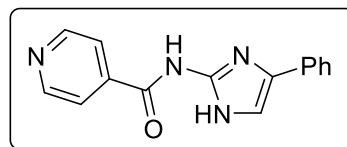


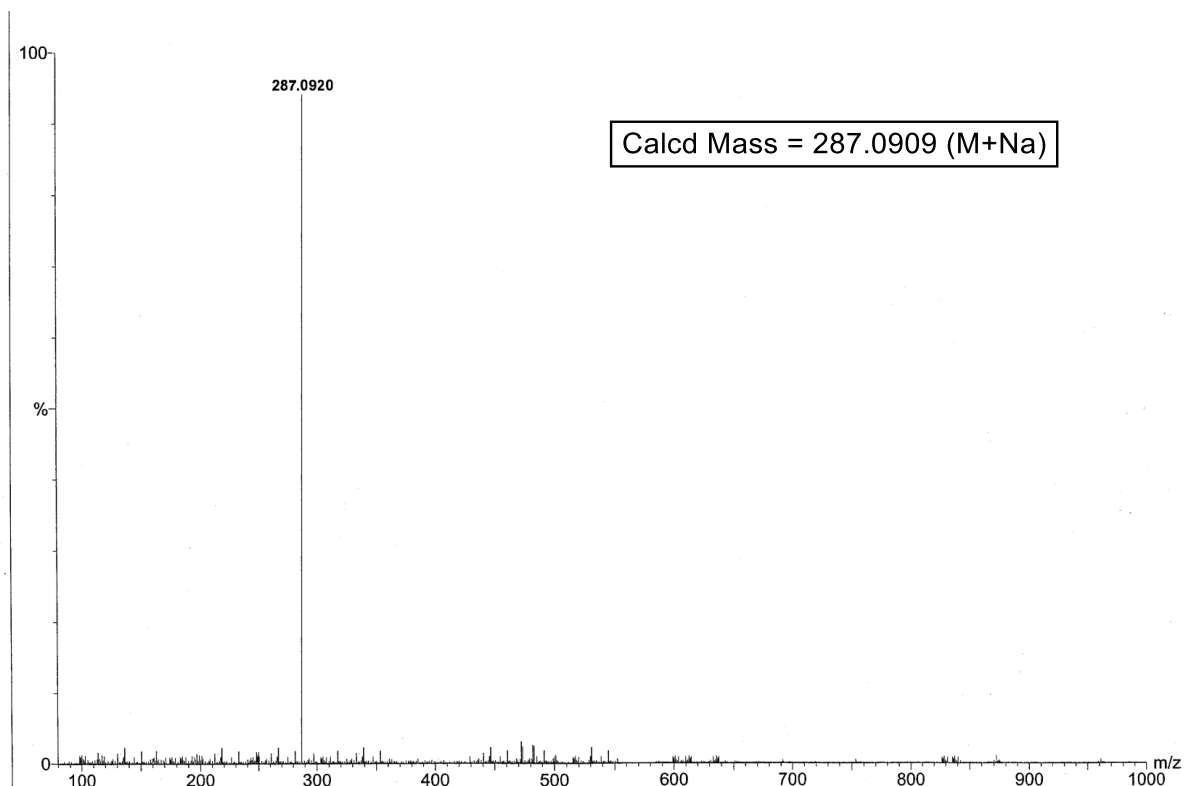
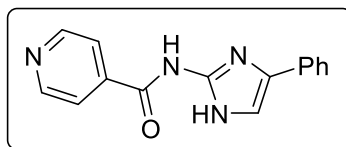
HRMS spectrum of compound **3a**

^1H NMR spectrum of compound **3g**

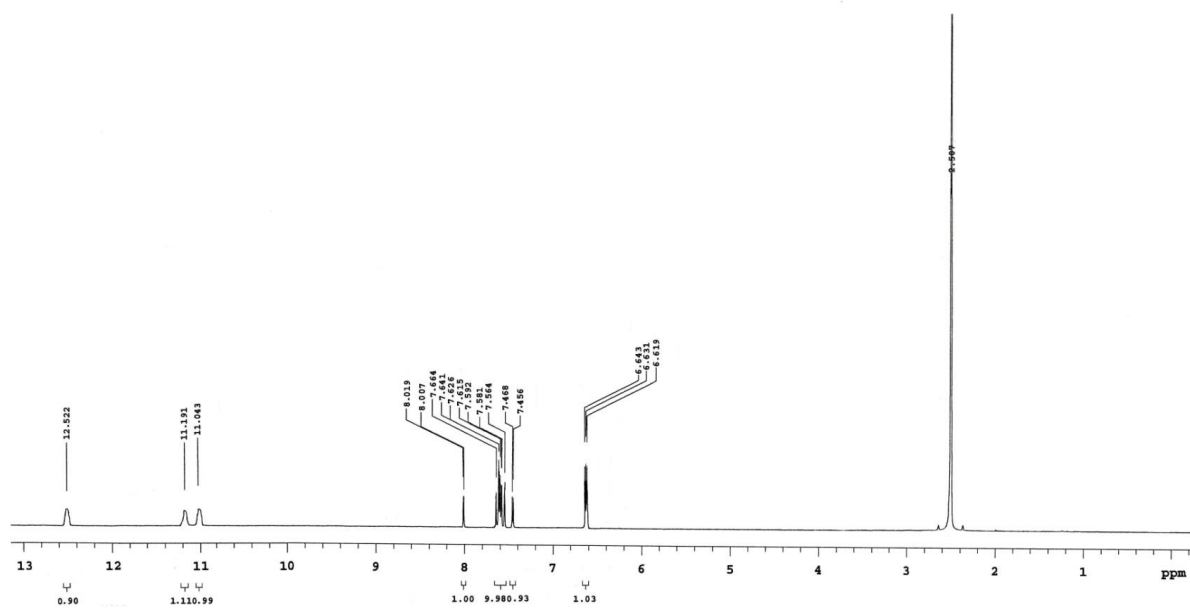
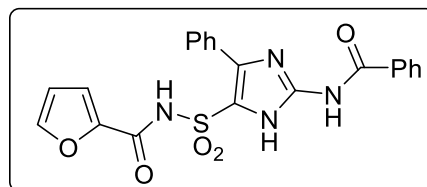


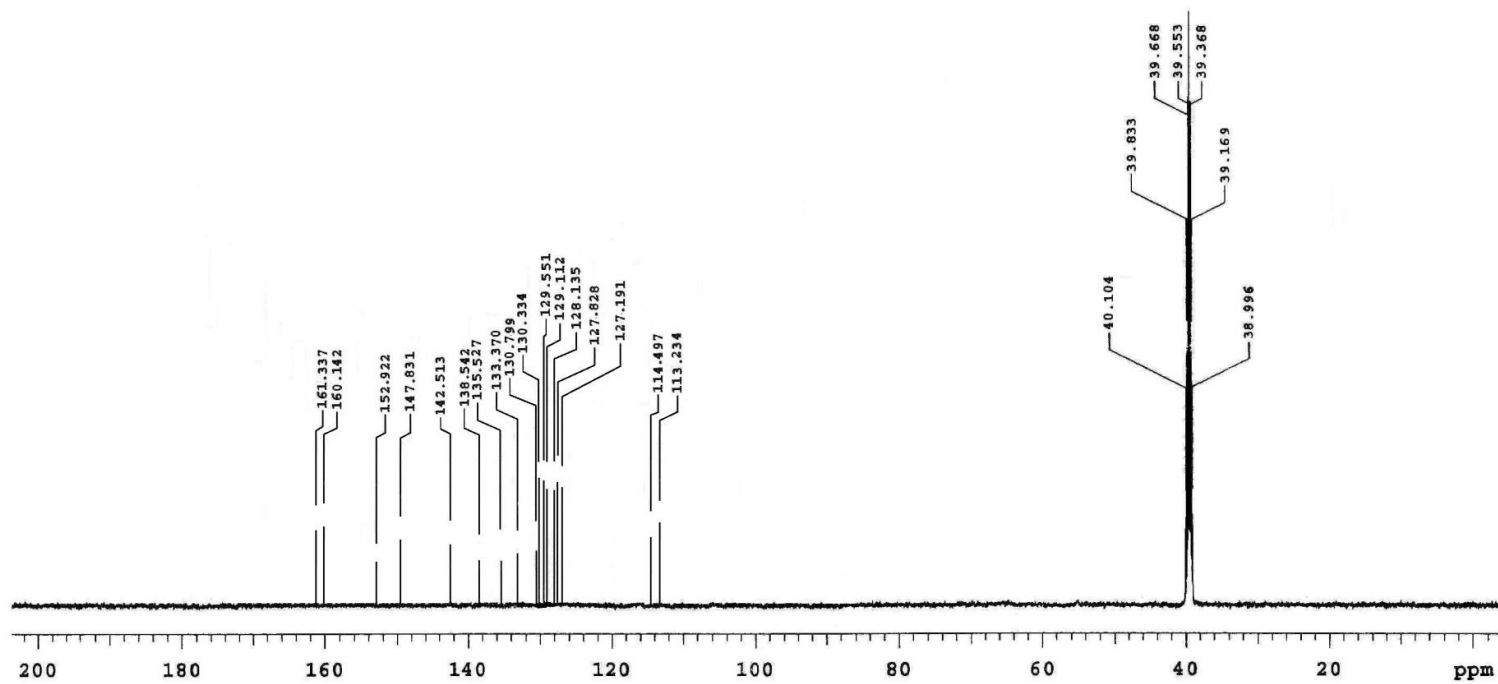
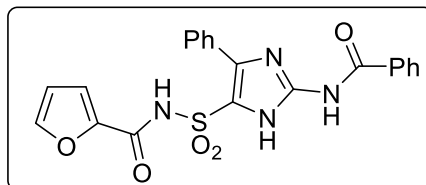
^{13}C NMR spectrum of compound **3g**

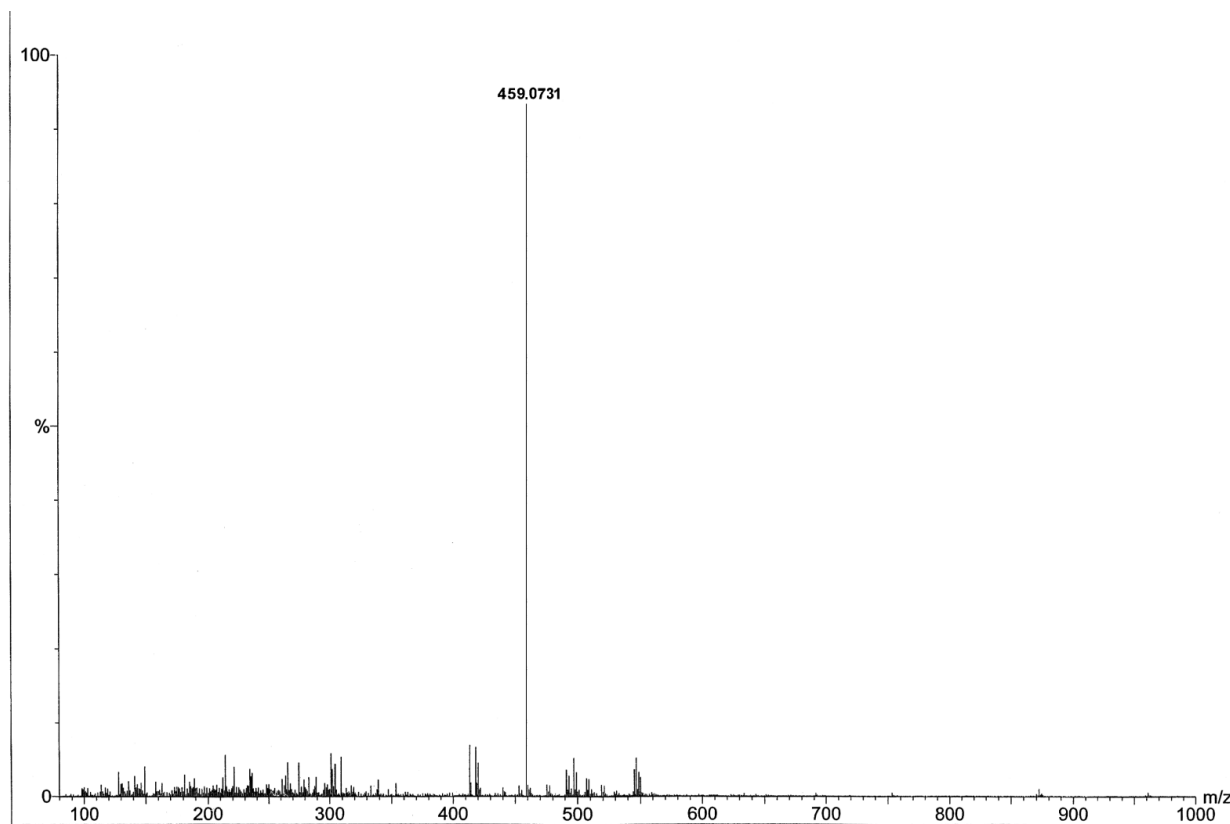
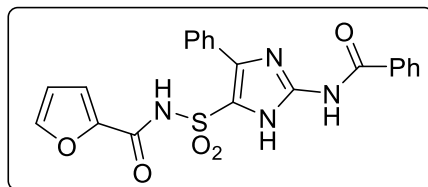


HRMS spectrum of compound **3g**

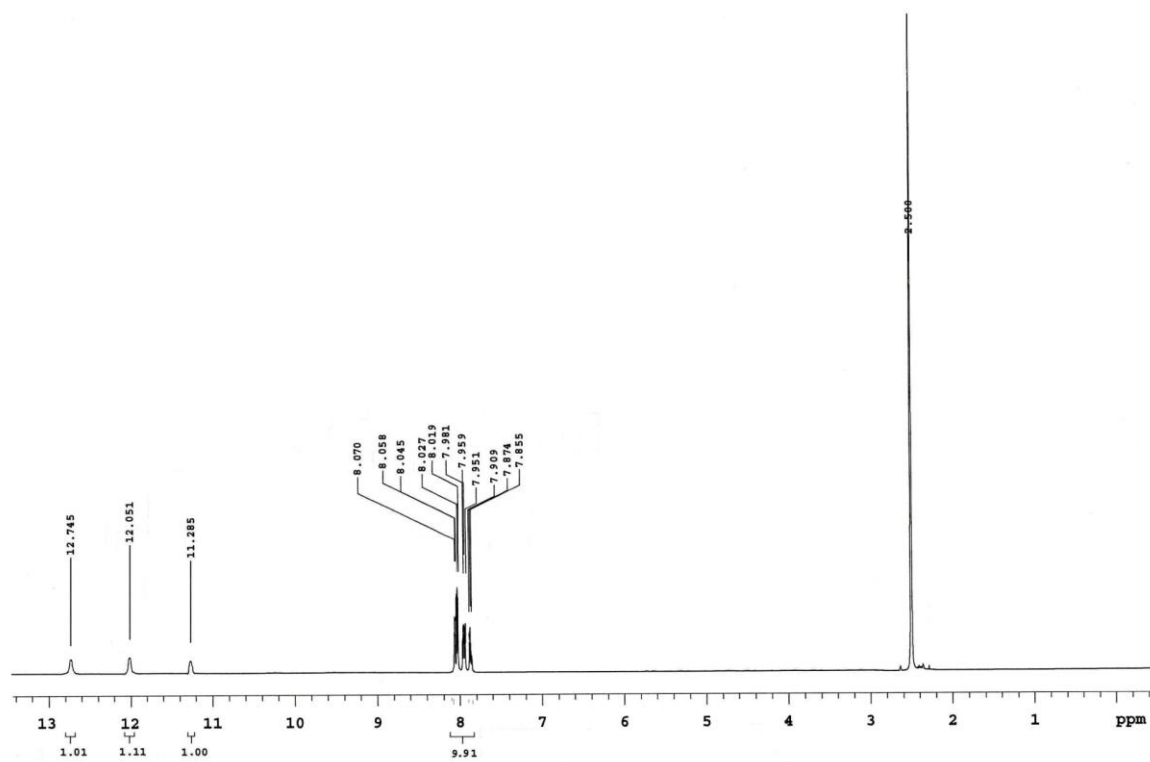
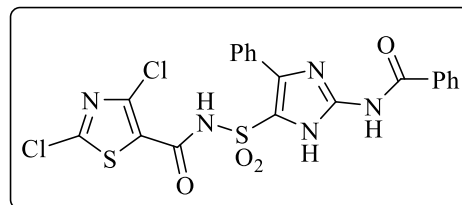
^1H NMR spectrum of compound **5a**



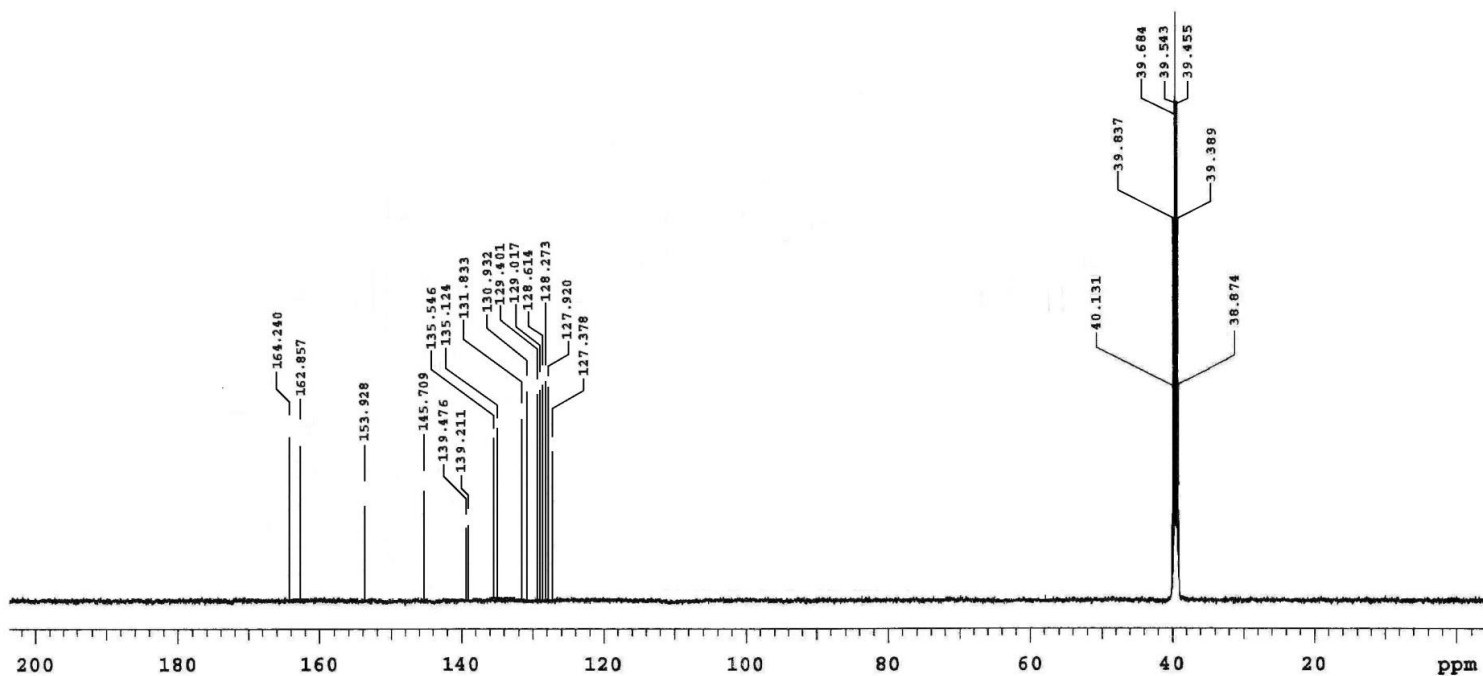
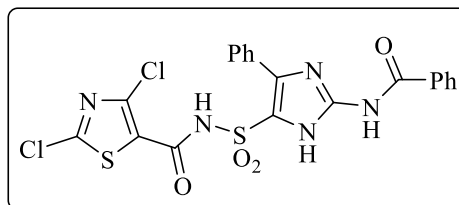
^{13}C NMR spectrum of compound 5a

HRMS spectrum of compound **5a**

^1H NMR spectrum of compound **5g**



^{13}C NMR spectrum of compound **5g**



HRMS spectrum of compound **5g**