

Supplementary Information

Synthesis, Antibacterial, Anthelmintic and Anti-Inflammatory Studies of Novel Methylpyrimidine Sulfonyl Piperazine Derivatives

Nadigar R. Mohan,^a Swamy Sreenivasa,*^a Karikere E. Manojkumar,^a Tadimety M. C. Rao,^b Boreddy S. Thippeswamy^c and Parameshwar A. Suchetan^a

^aDepartment of Studies and Research in Chemistry, Tumkur University, Tumkur 572 103, Karnataka, India

^bTadimety Aromatics Pvt. Ltd, Hirehalli Industrial Area, Tumkur 572 168, Karnataka, India

^cDepartment of Pharmacology, Sree Siddaganga College of Pharmacy, Tumkur 572 102, Karnataka, India

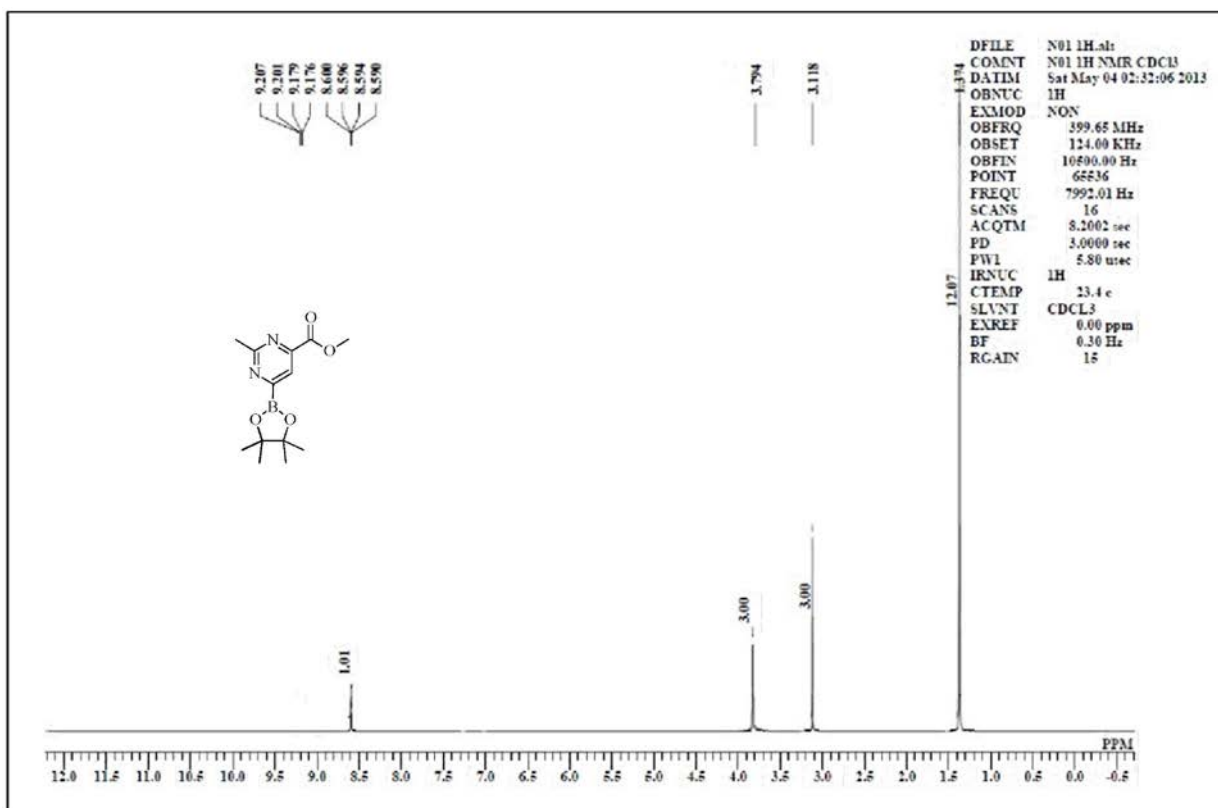
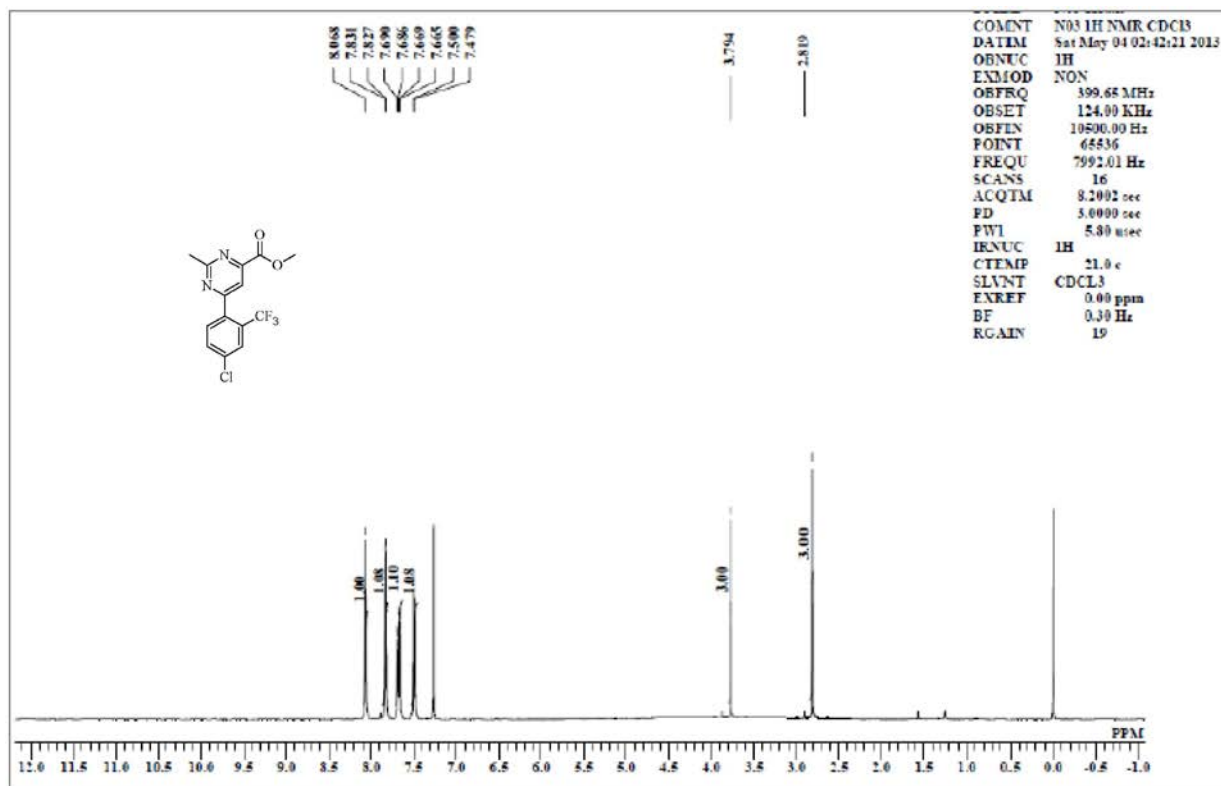
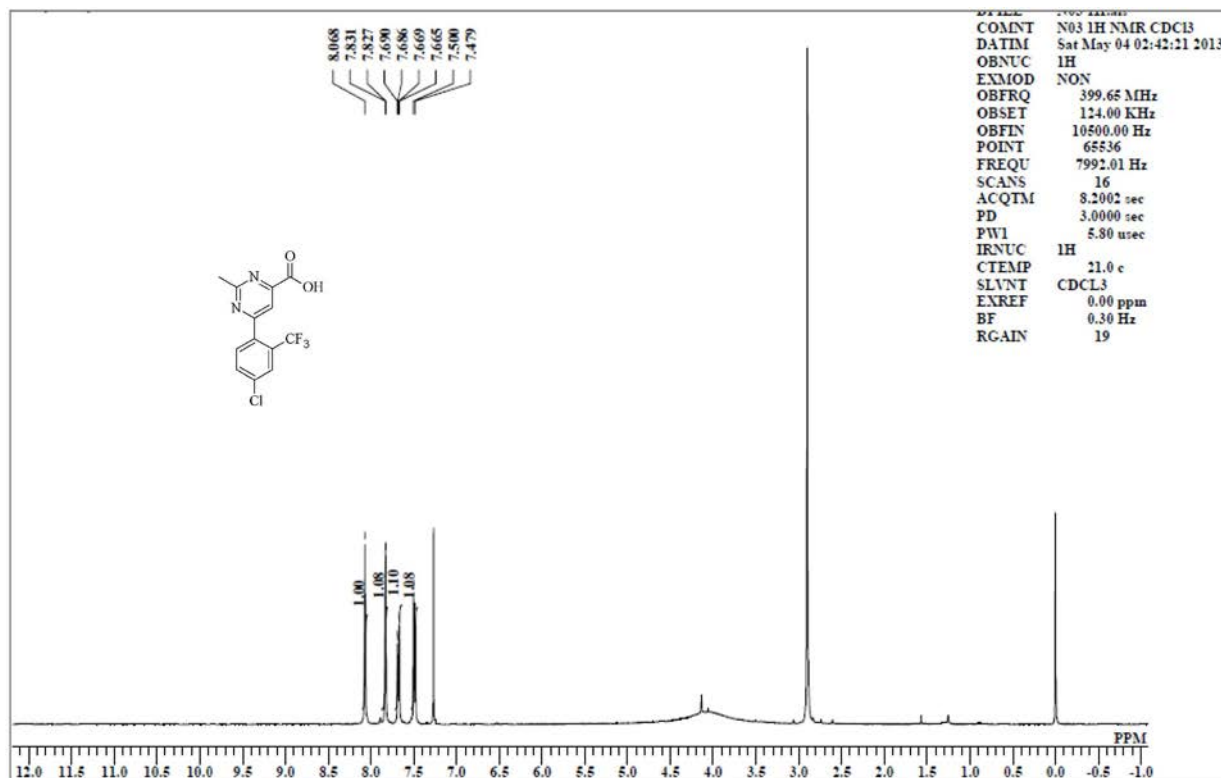
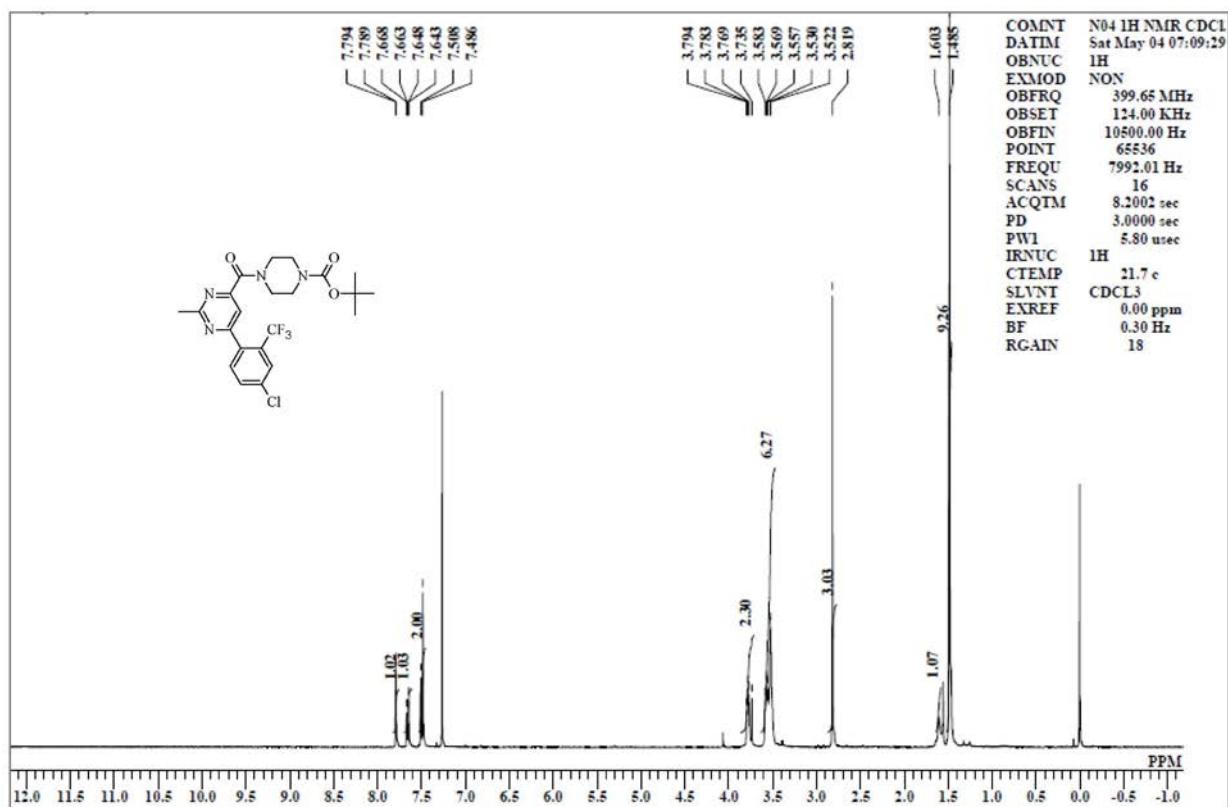
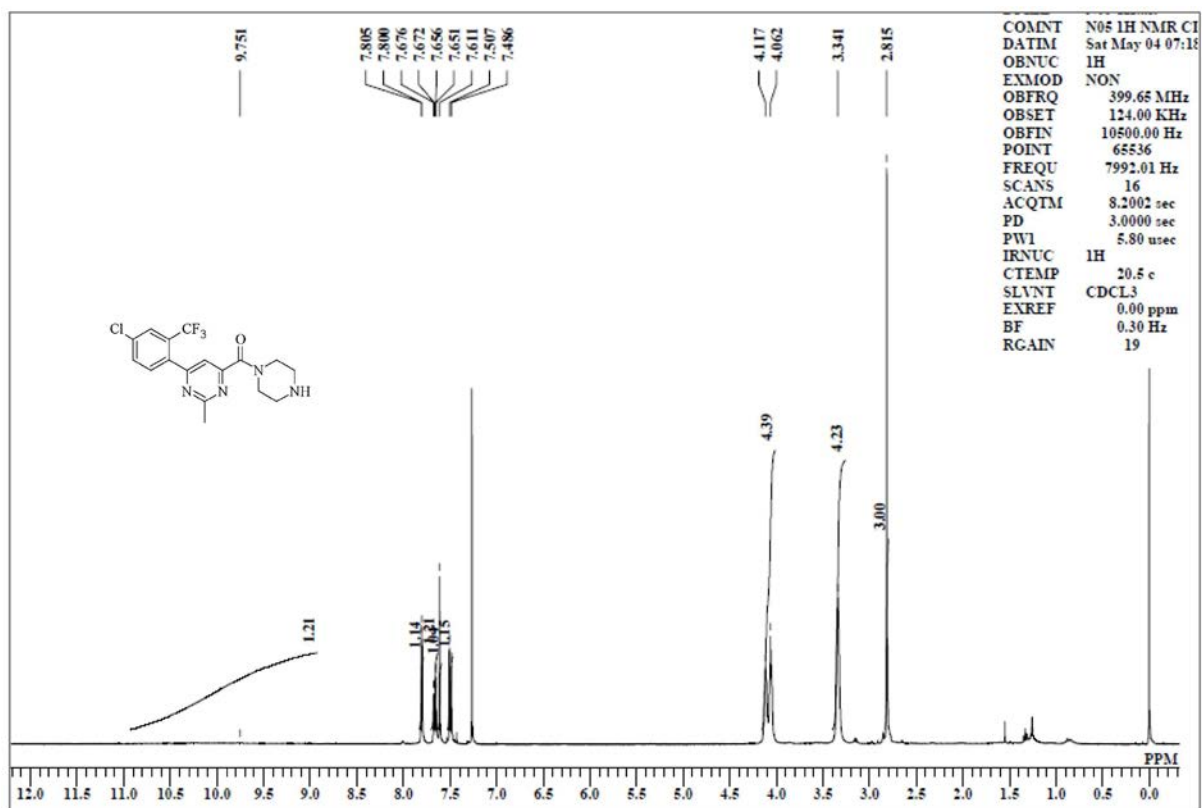
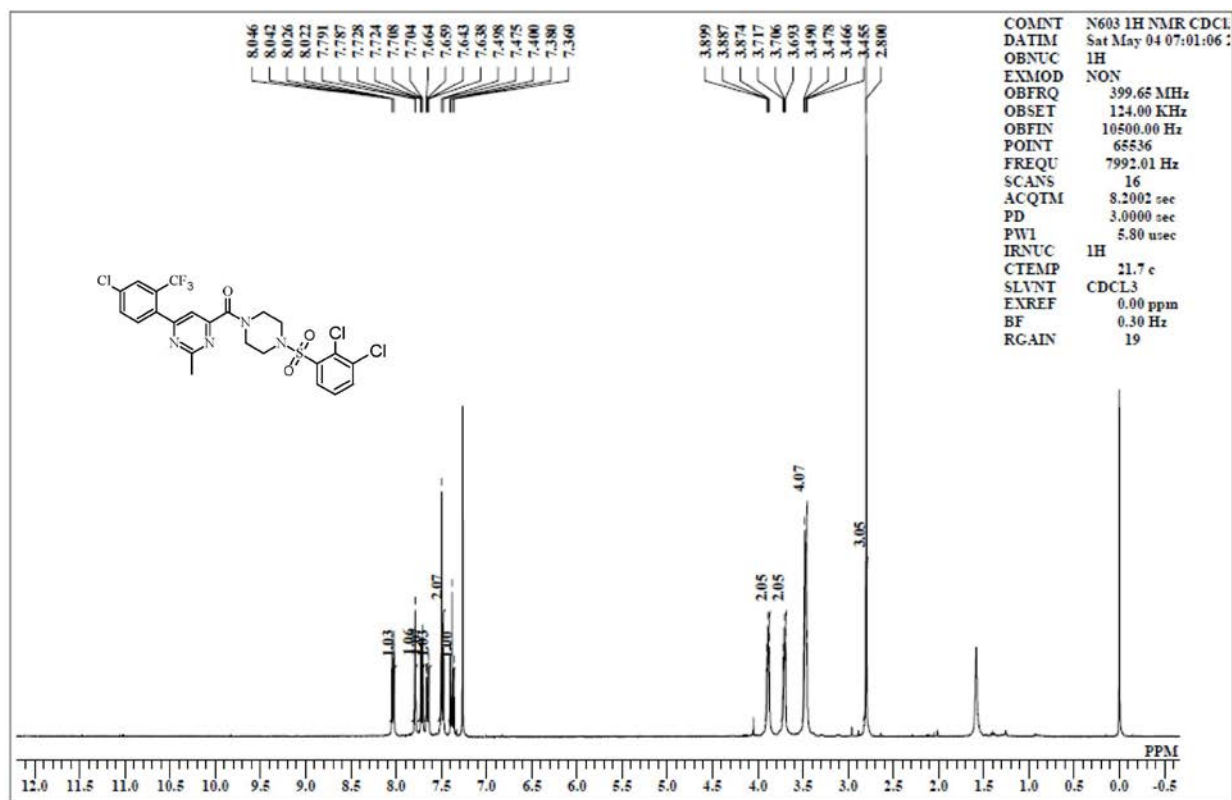
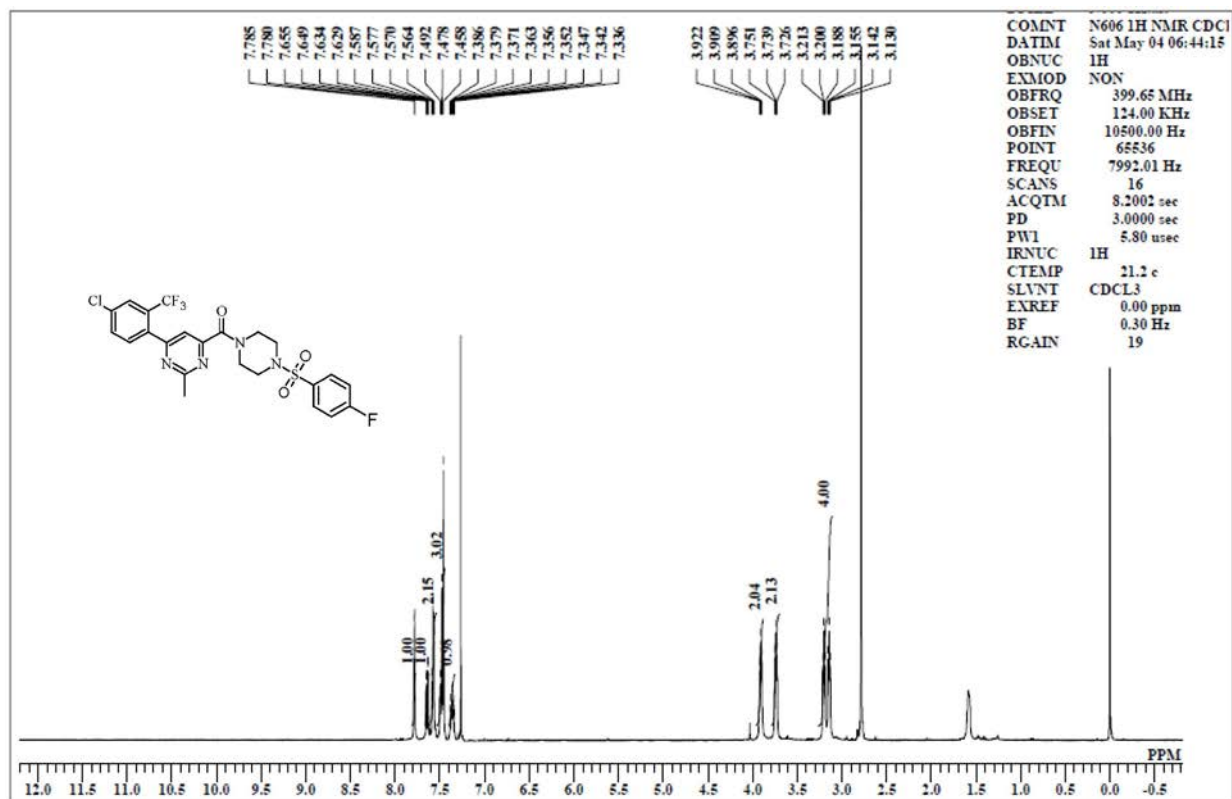
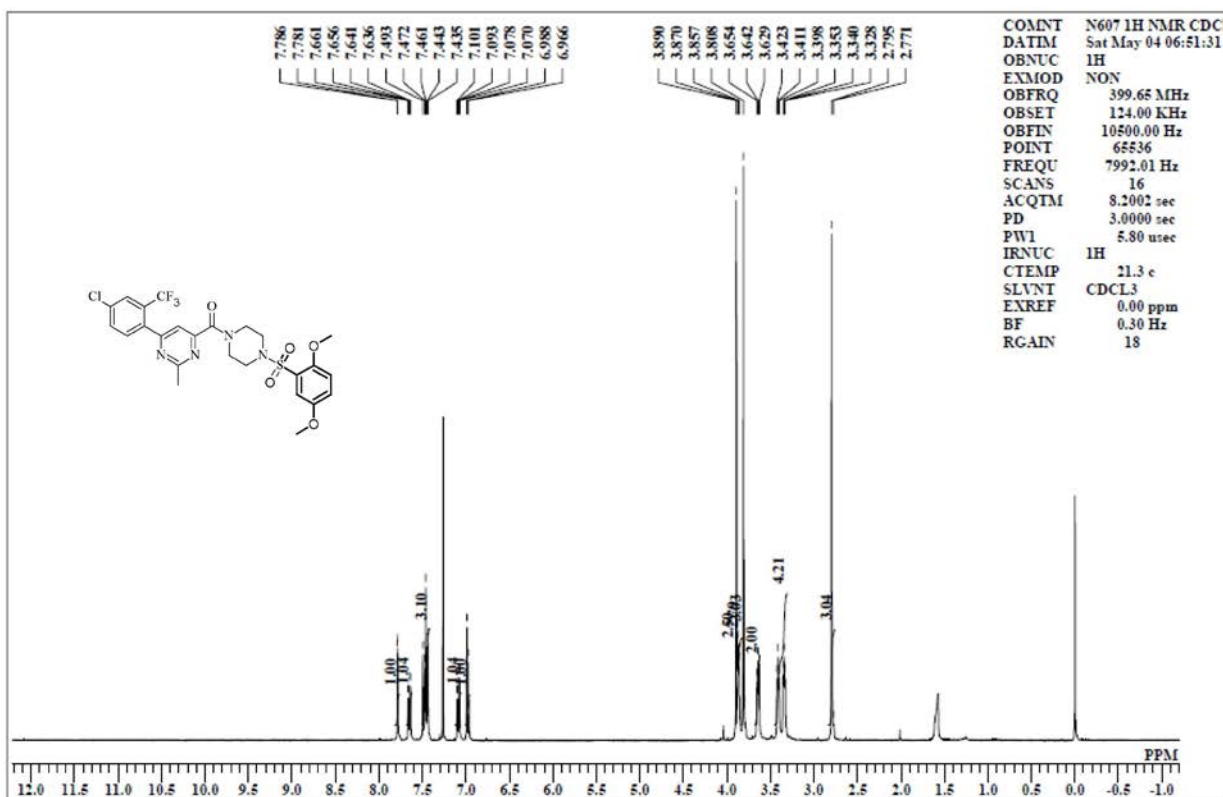
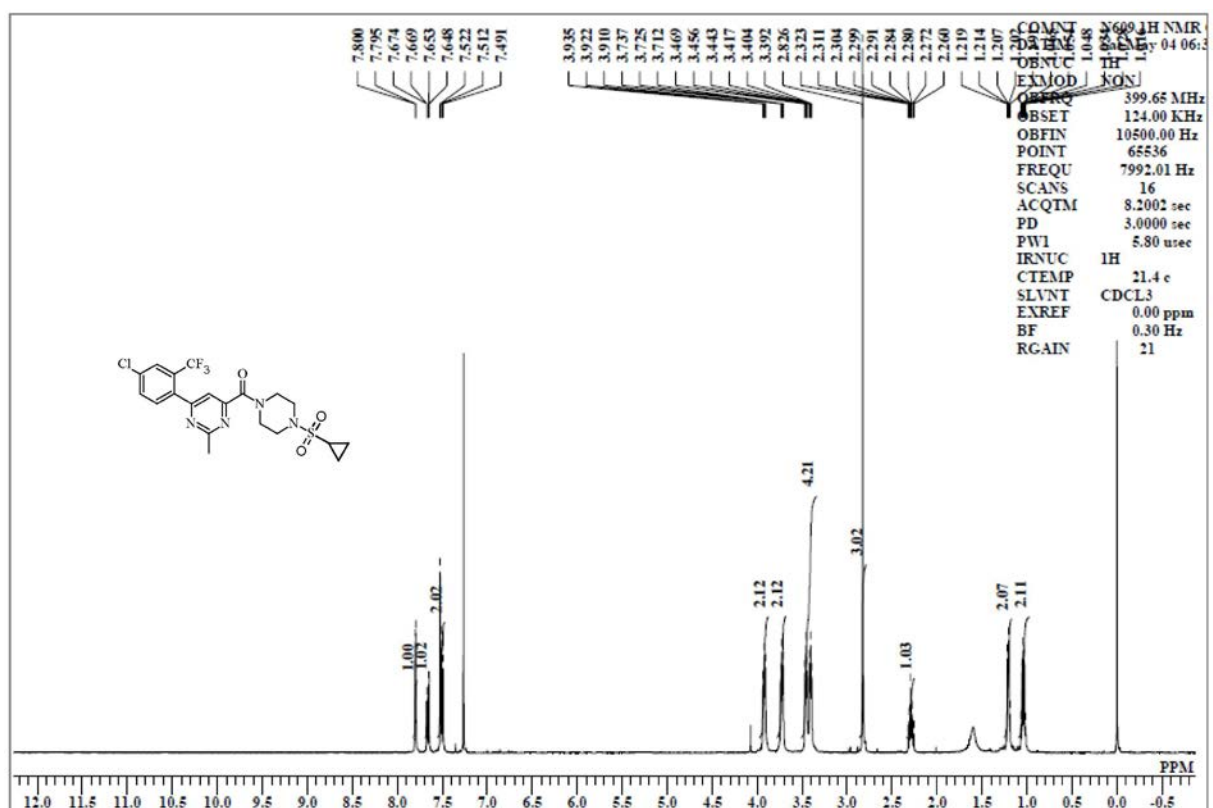


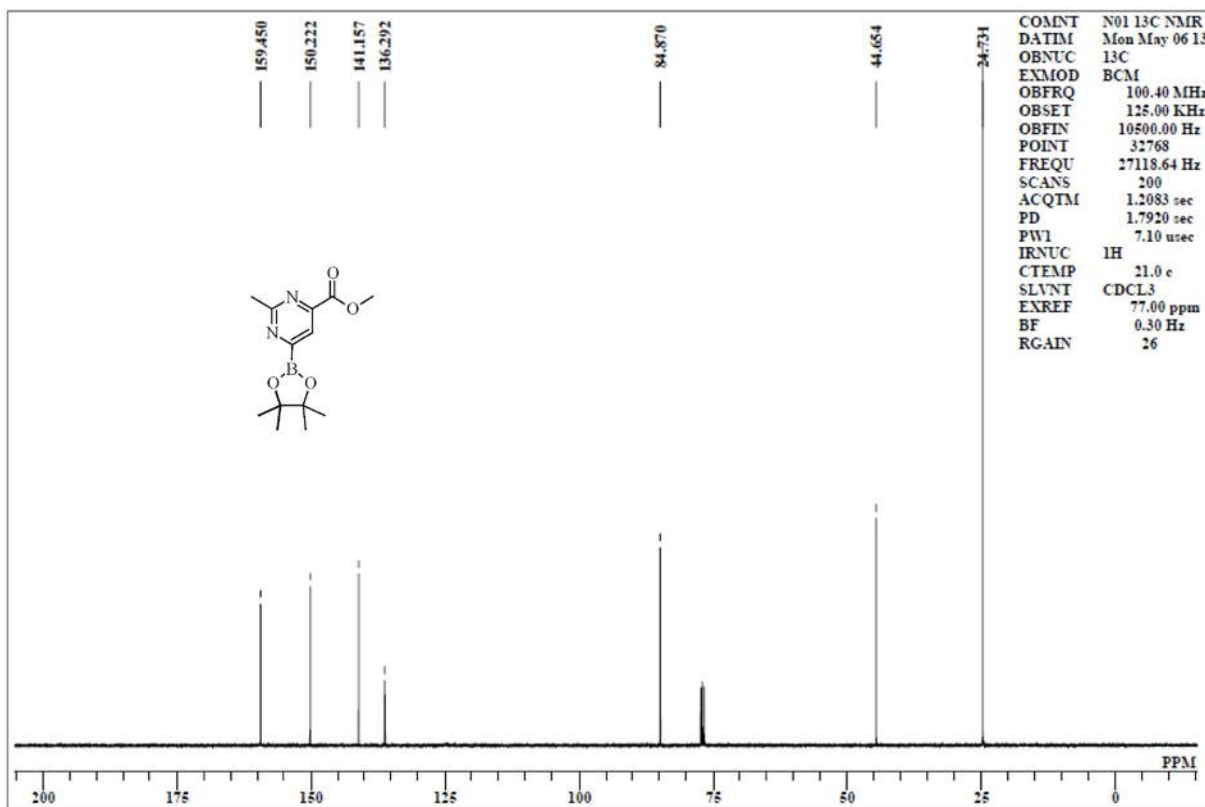
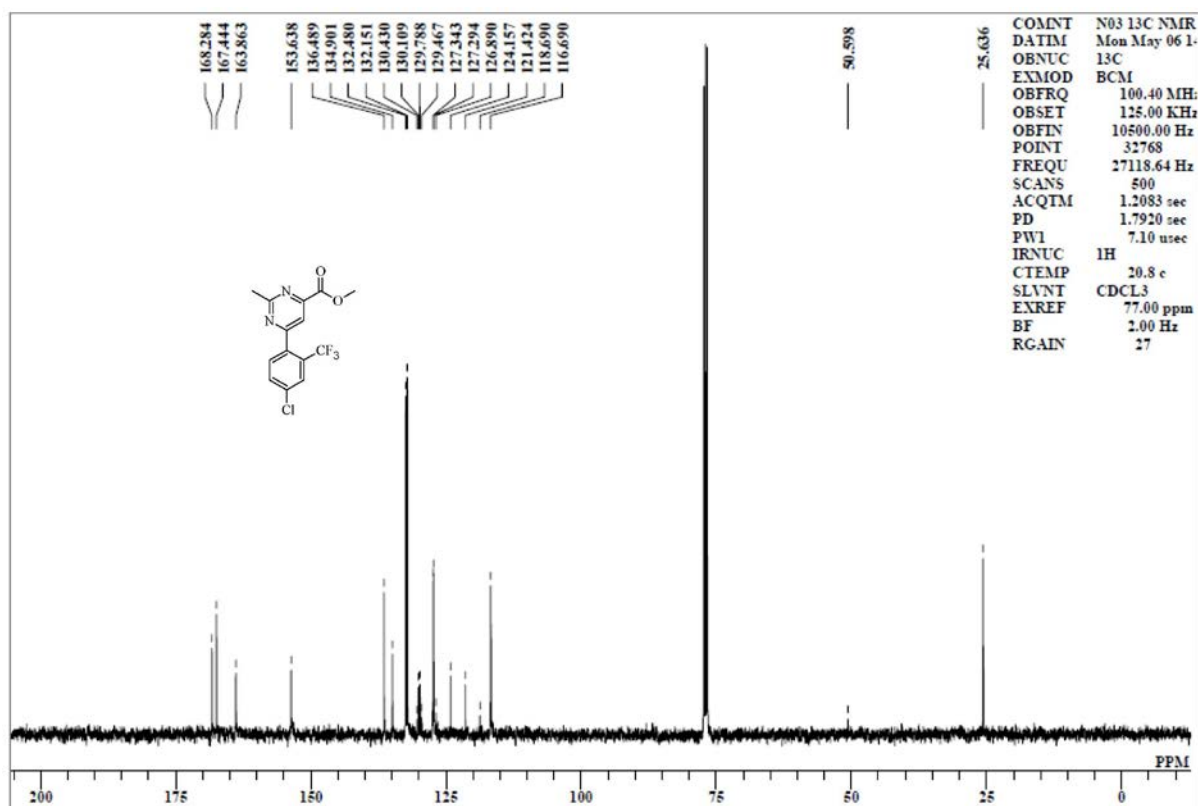
Figure S1. ¹H NMR spectrum (CDCl₃, 399.6 MHz) of compound 3.

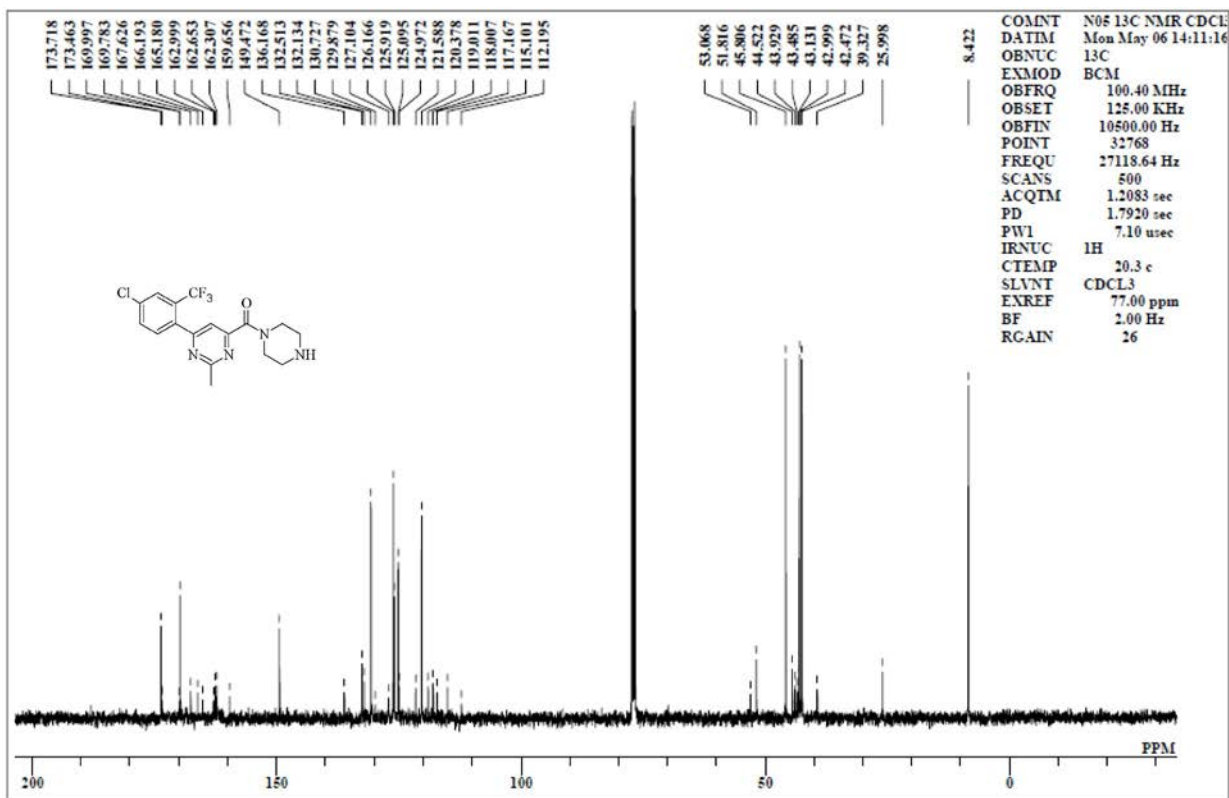
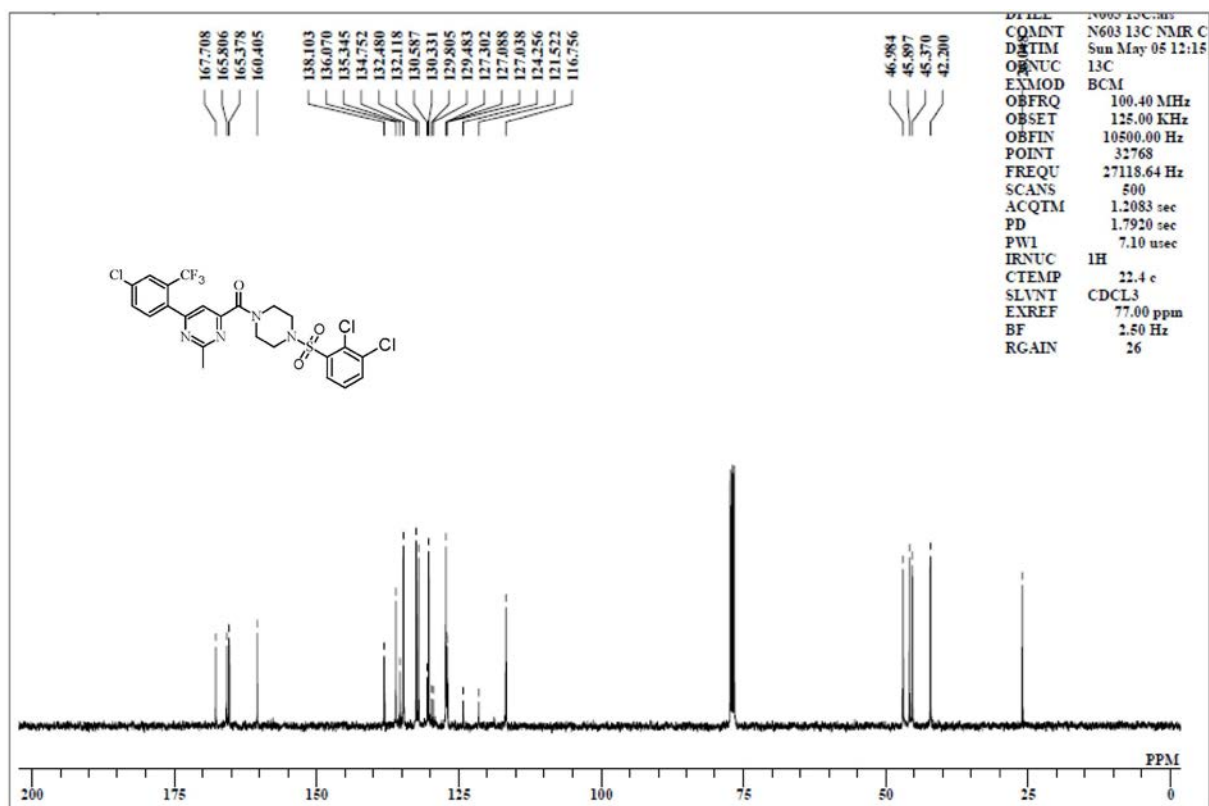
Figure S2. ¹H NMR spectrum (CDCl₃, 399.6 MHz) of compound 5.Figure S3. ¹H NMR spectrum (CDCl₃, 399.6 MHz) of compound 6.

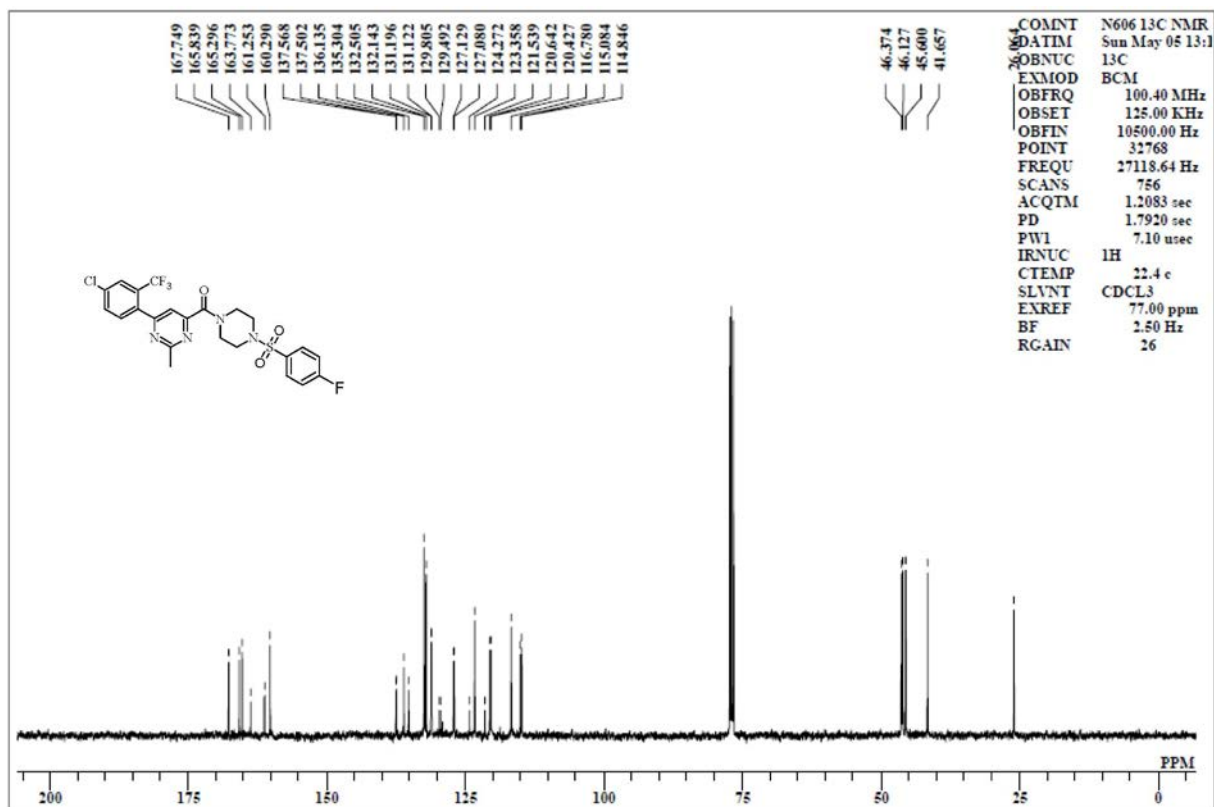
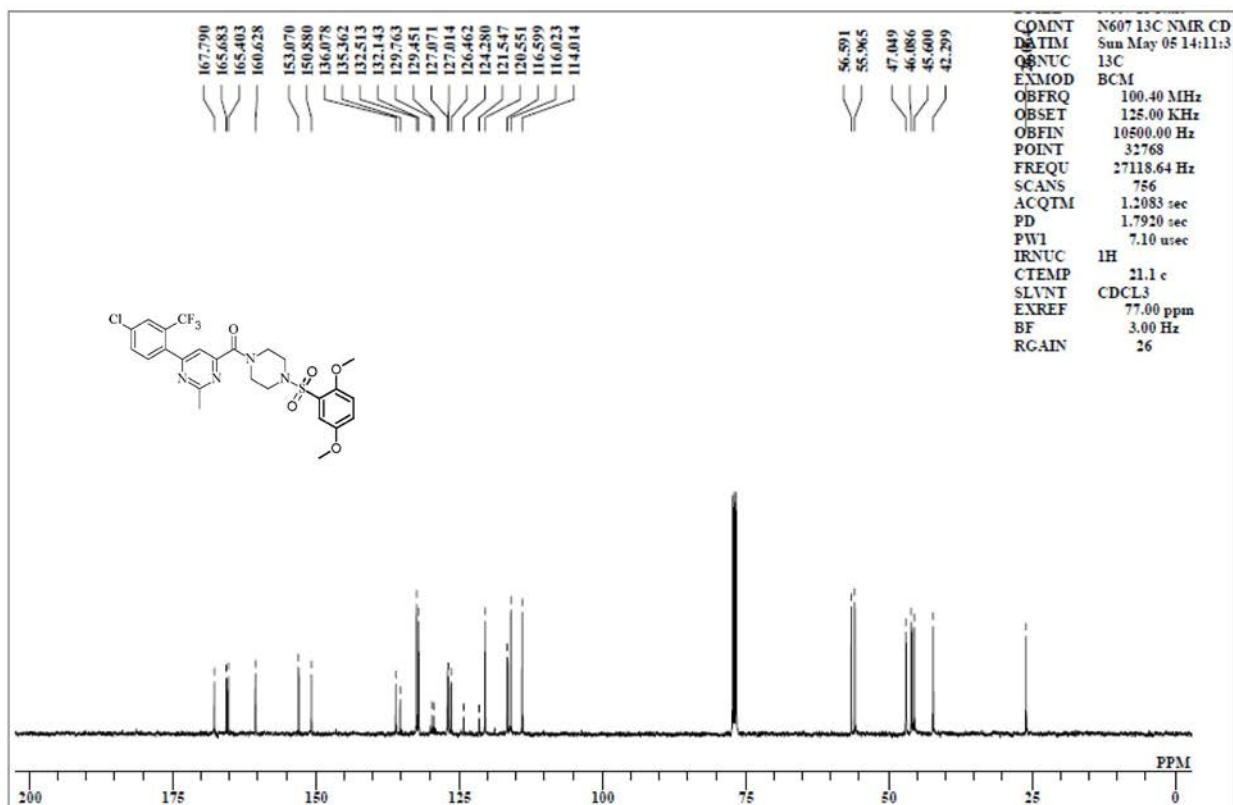
Figure S4. ¹H NMR spectrum (CDCl₃, 399.6 MHz) of compound 8.Figure S5. ¹H NMR spectrum (CDCl₃, 399.6 MHz) of compound 9.

Figure S6. ¹H NMR spectrum (CDCl₃, 399.6 MHz) of compound 11c.Figure S7. ¹H NMR spectrum (CDCl₃, 399.6 MHz) of compound 11f.

Figure S8. ¹H NMR spectrum (CDCl₃, 399.6 MHz) of compound **11g**.Figure S9. ¹H NMR spectrum (CDCl₃, 399.6 MHz) of compound **11i**.

Figure S10. ¹³C NMR spectrum (CDCl₃, 100.4 MHz) of compound 3.Figure S11. ¹³C NMR spectrum (CDCl₃, 100.4 MHz) of compound 5.

Figure S12. ¹³C NMR spectrum (CDCl₃, 100.4 MHz) of compound 9.Figure S13. ¹³C NMR spectrum (CDCl₃, 100.4 MHz) of compound 11c.

Figure S14. ¹³C NMR spectrum (CDCl₃, 100.4 MHz) of compound 11f.Figure S15. ¹³C NMR spectrum (CDCl₃, 100.4 MHz) of compound 11g.

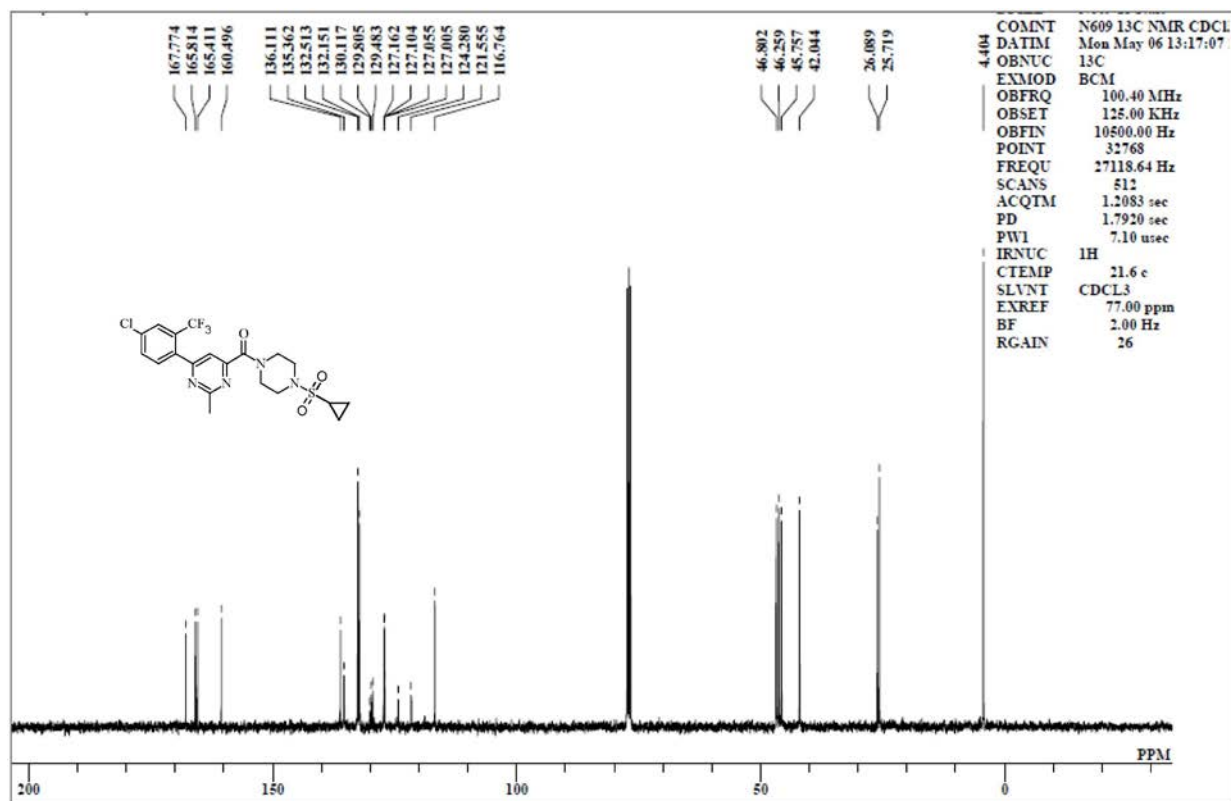
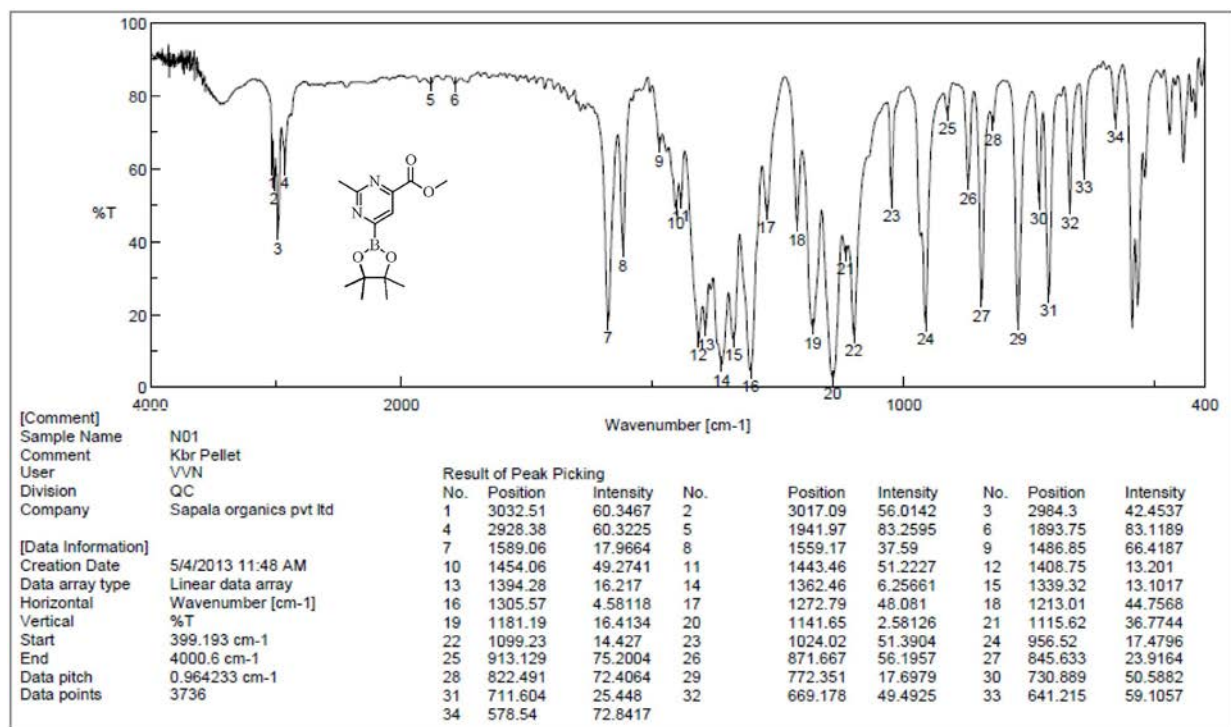
Figure S16. ¹³C NMR spectrum (CDCl₃, 100.4 MHz) of compound 11i.

Figure S17. IR spectrum (KBr) of compound 3.

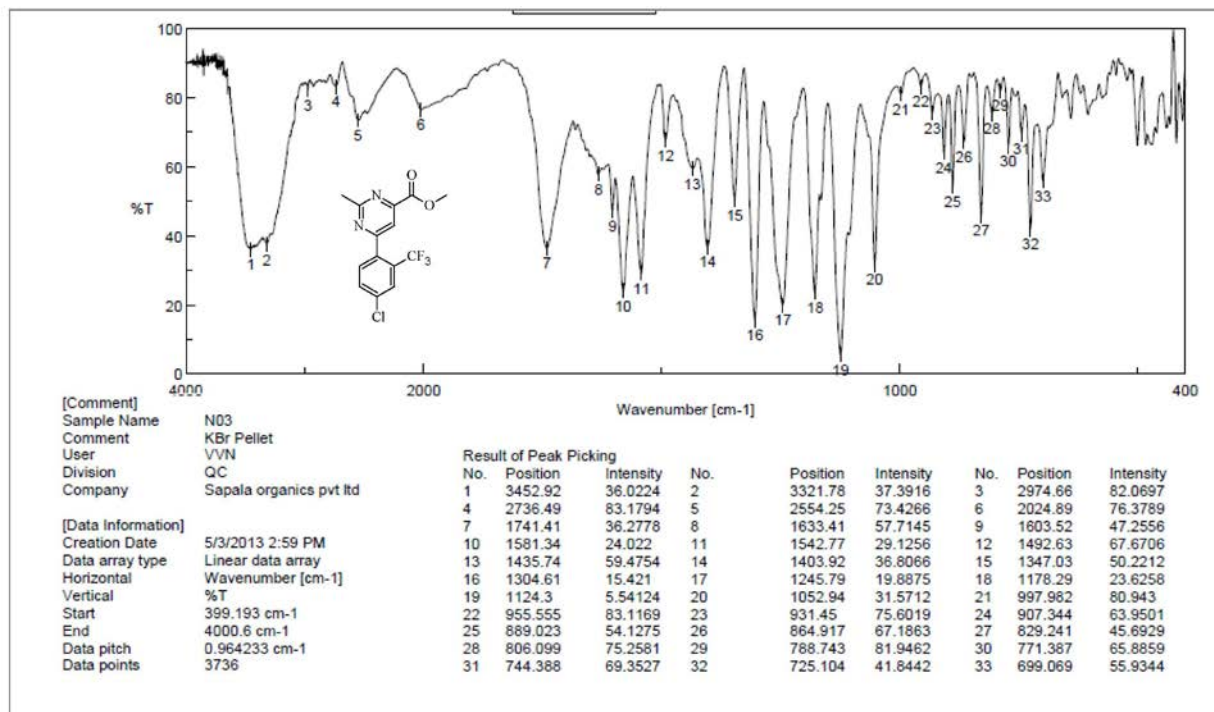


Figure S18. IR spectrum (KBr) of compound 5.

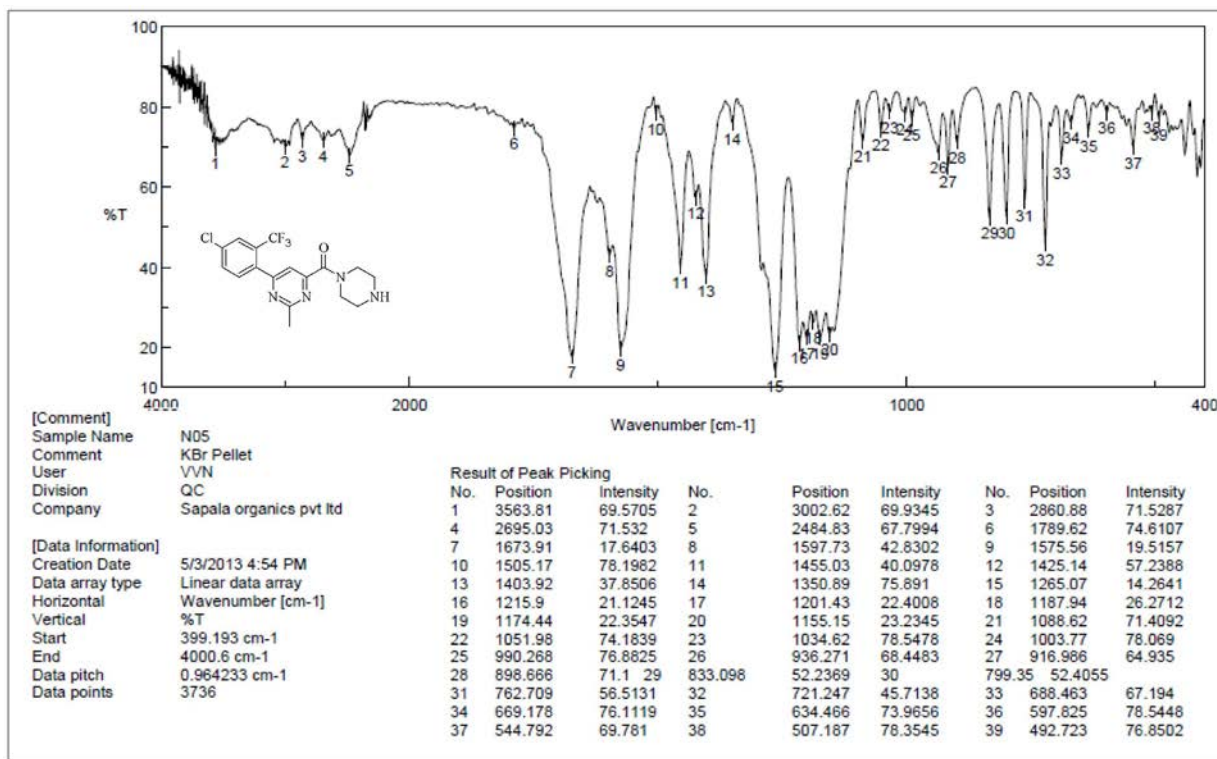


Figure S19. IR spectrum (KBr) of compound 9.

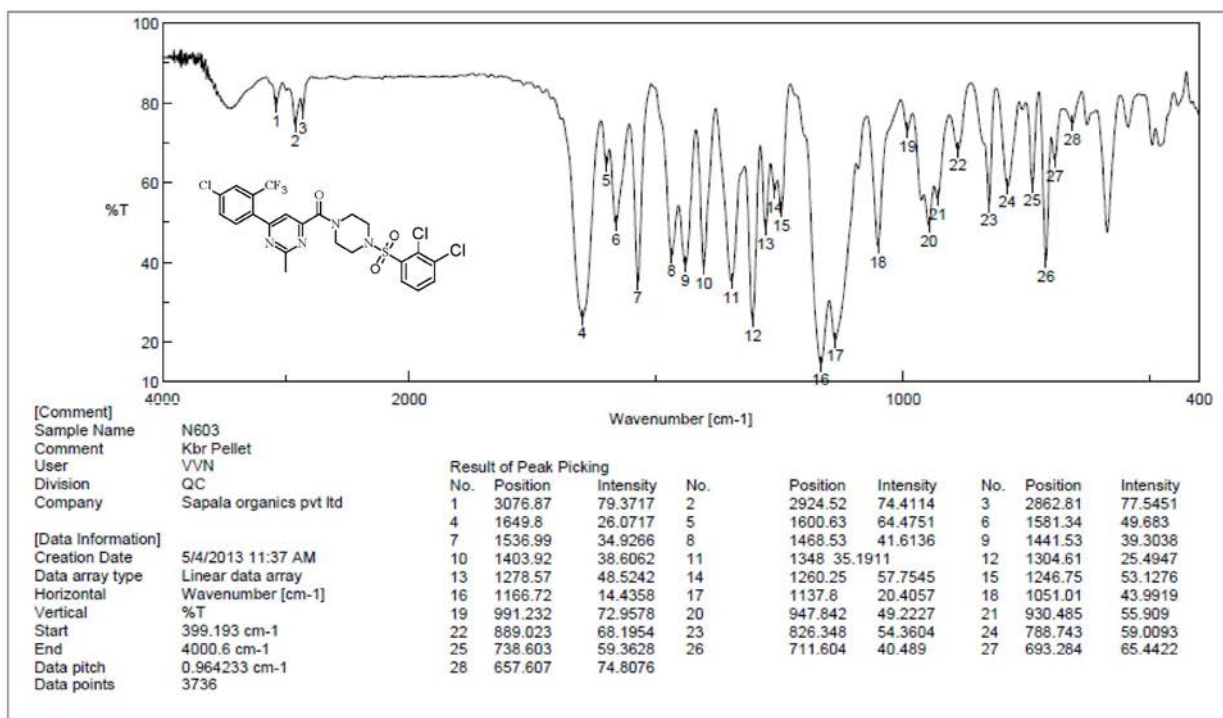


Figure S20. IR spectrum (KBr) of compound 11c.

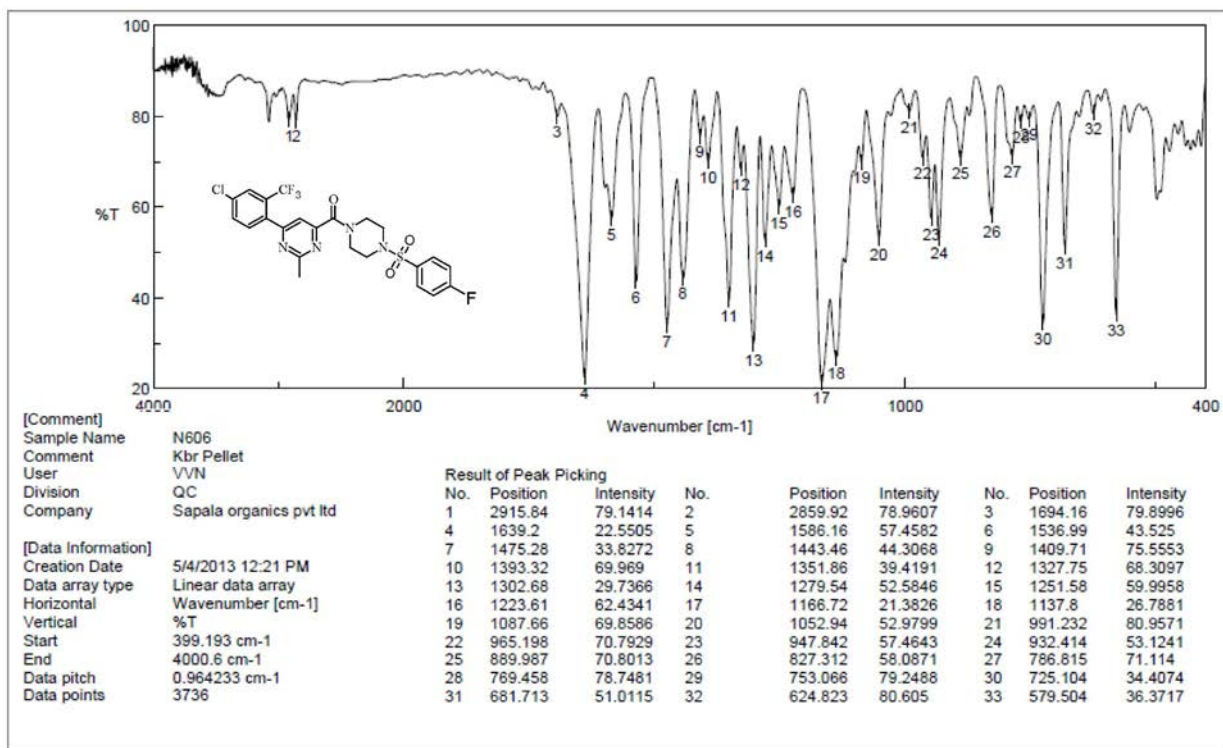


Figure S21. IR spectrum (KBr) of compound 11f.

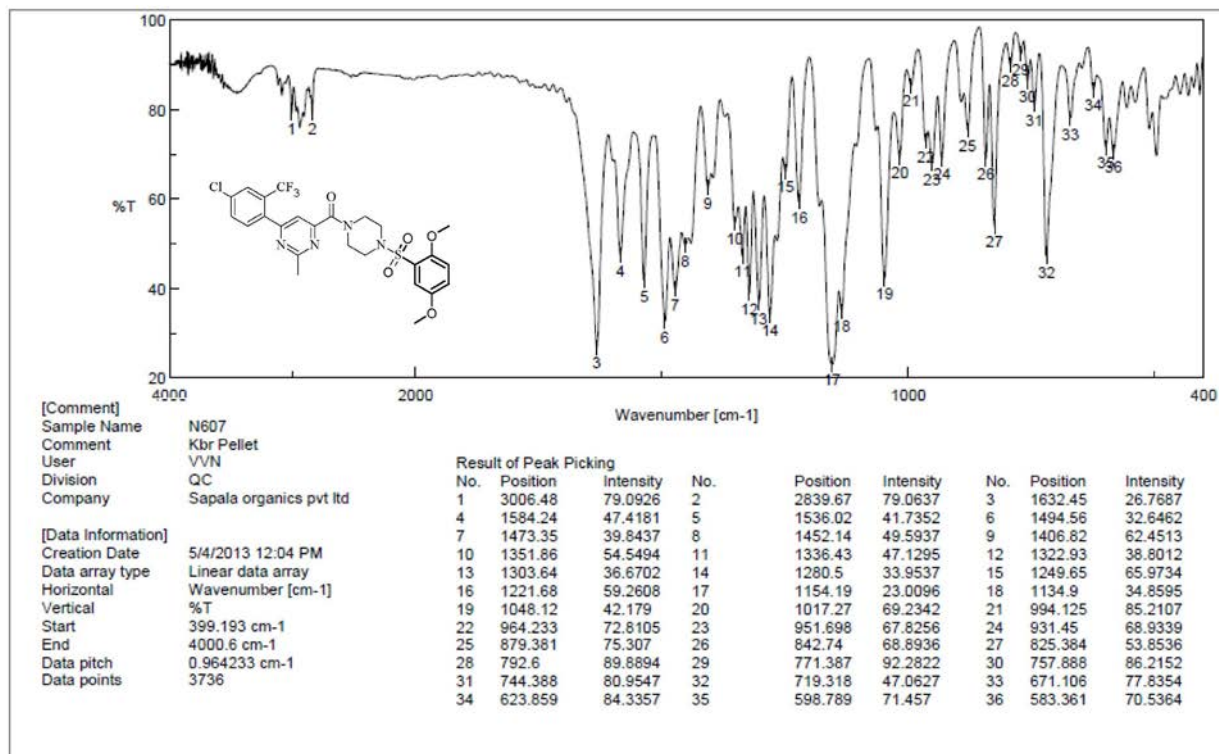


Figure S22. IR spectrum (KBr) of compound 11g.

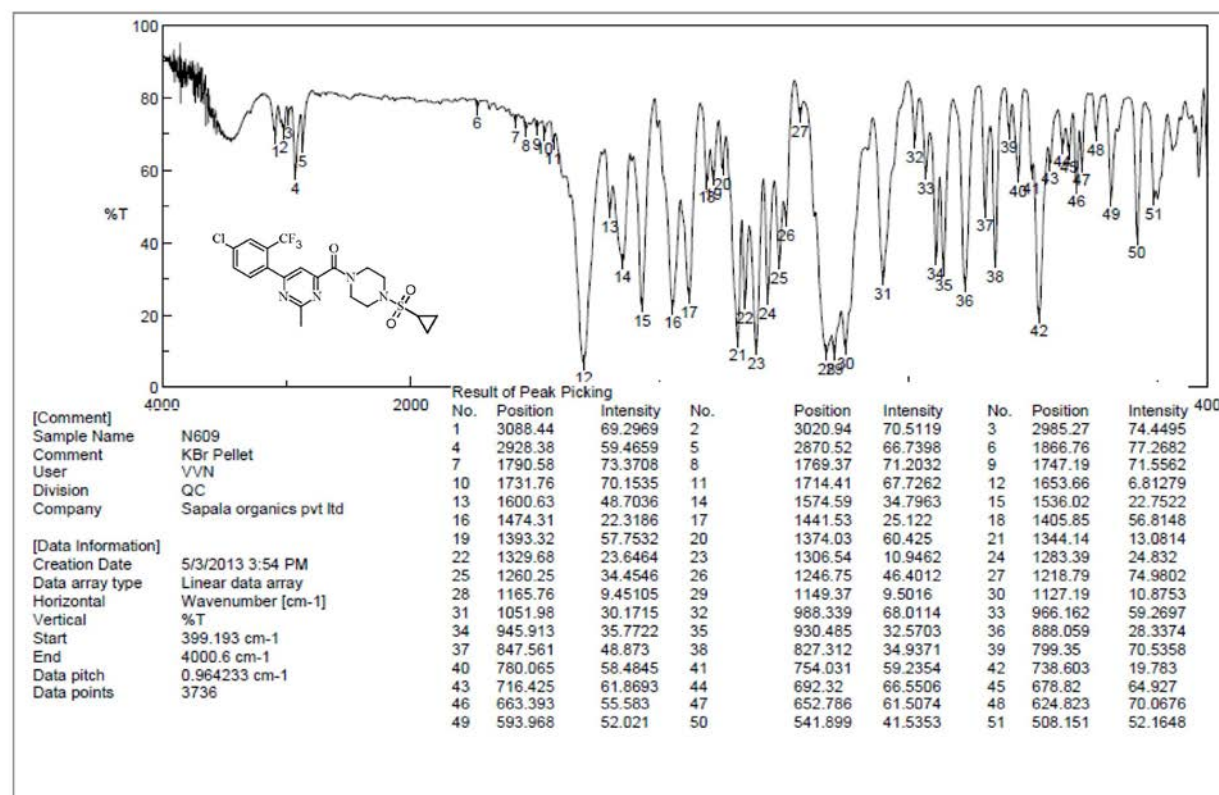


Figure S23. IR spectrum (KBr) of compound 11i.

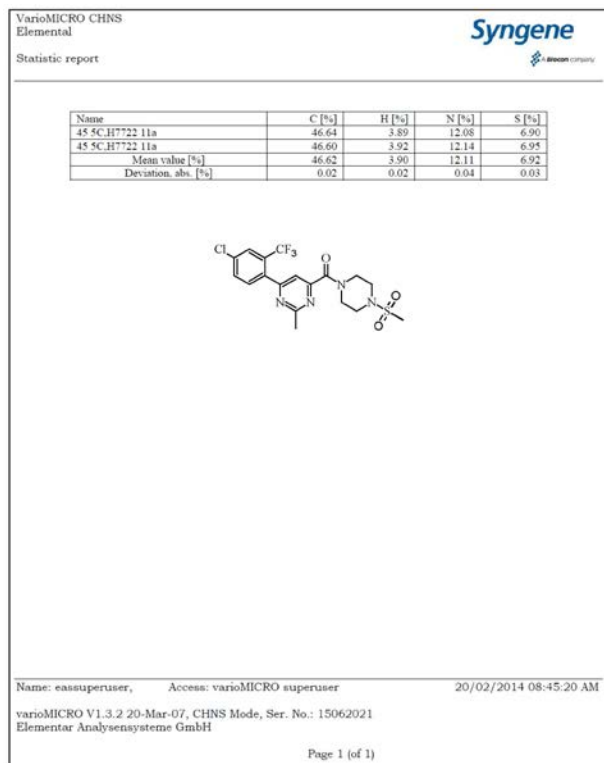


Figure S24. CHNS analysis of compound 11a.

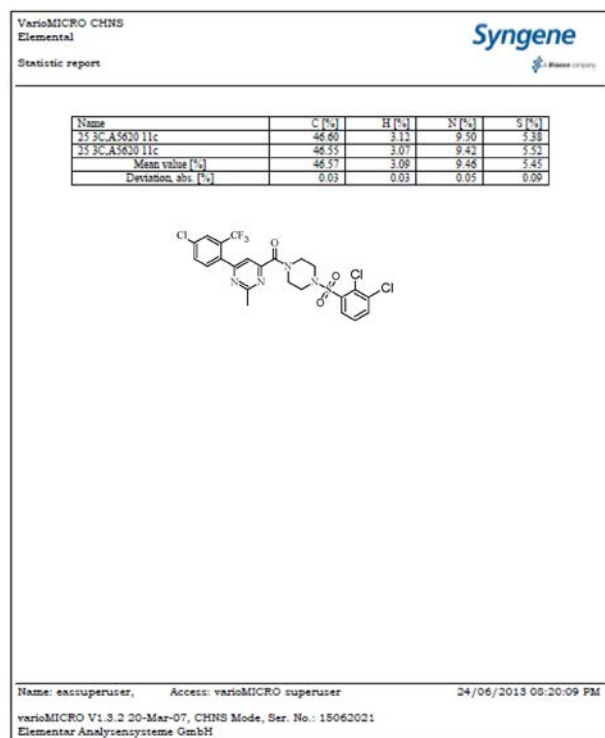


Figure S26. CHNS analysis of compound 11c.

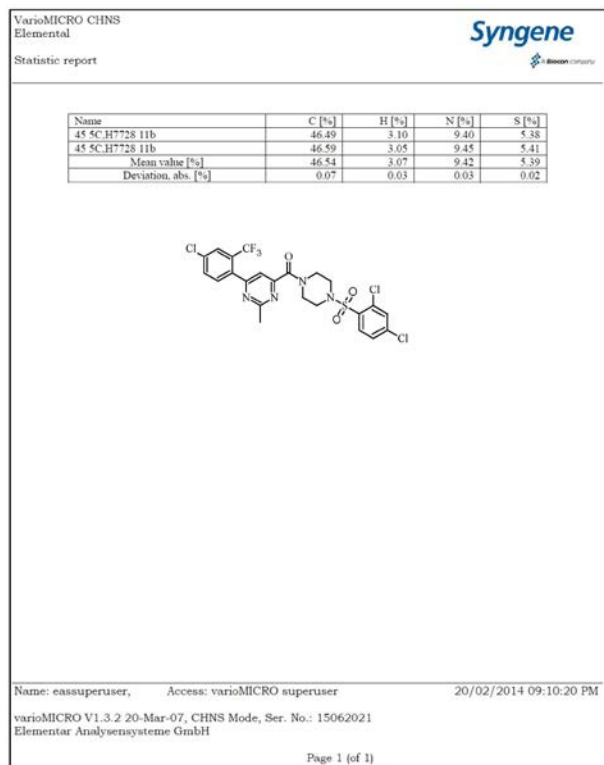


Figure S25. CHNS analysis of compound 11b.

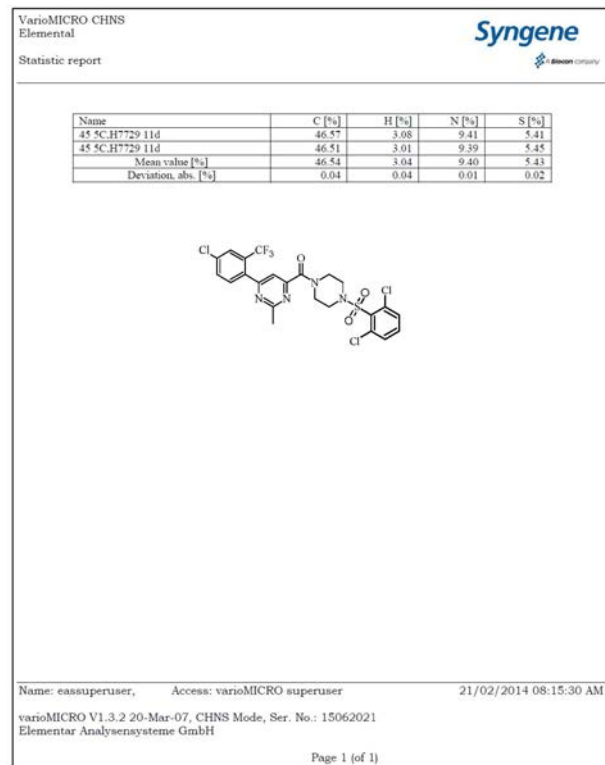


Figure S27. CHNS analysis of compound 11d.

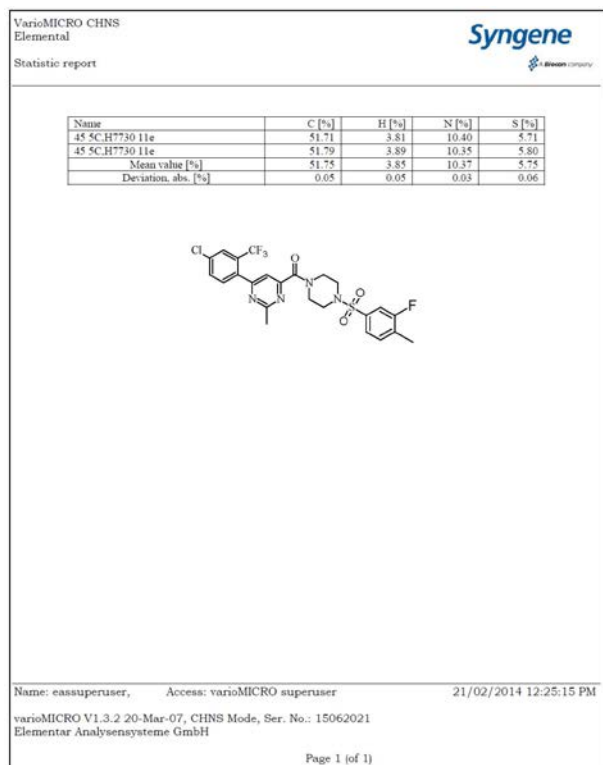


Figure S28. CHNS analysis of compound 11e.

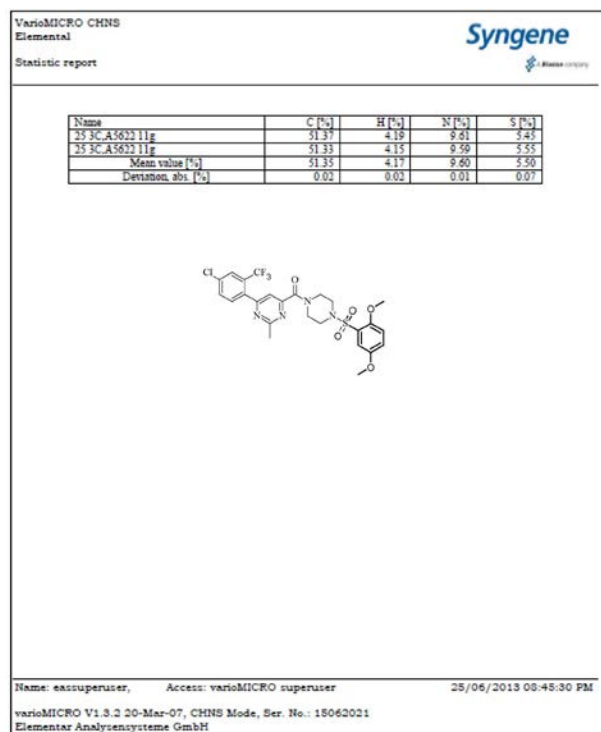


Figure S30. CHNS analysis of compound 11g.

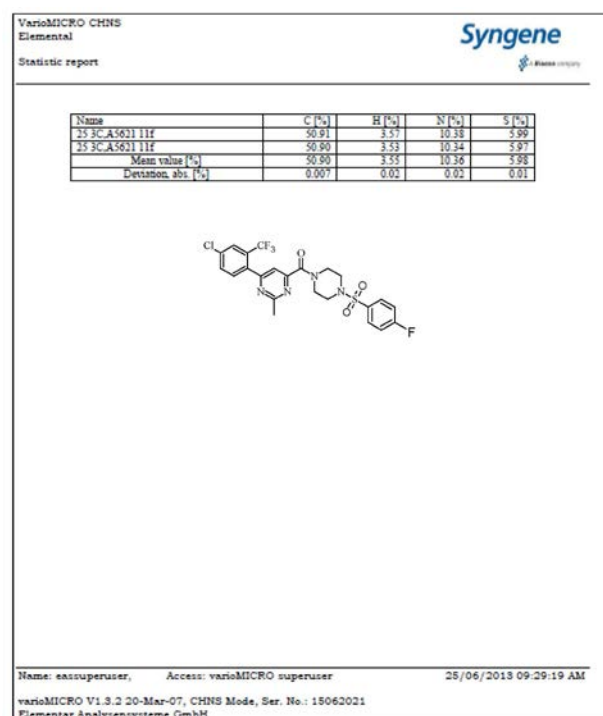


Figure S29. CHNS analysis of compound 11f.

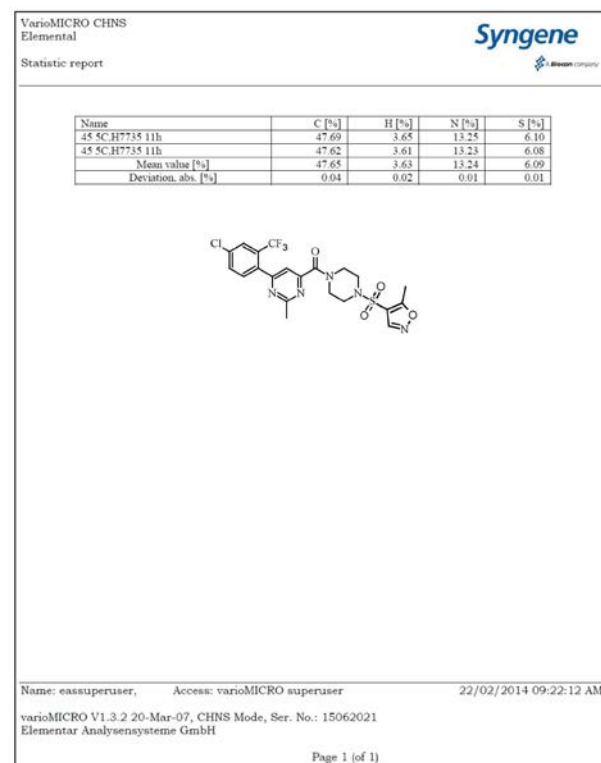


Figure S31. CHNS analysis of compound 11h.

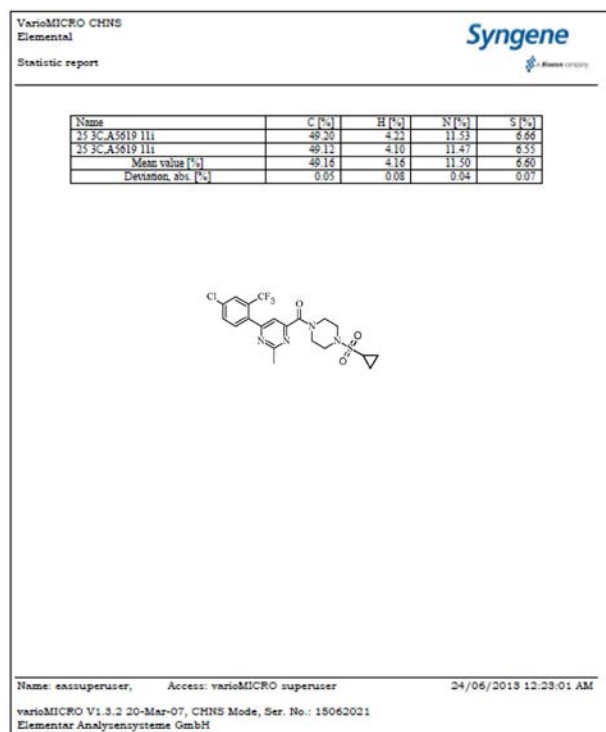


Figure S32. CHNS analysis of compound 11i.

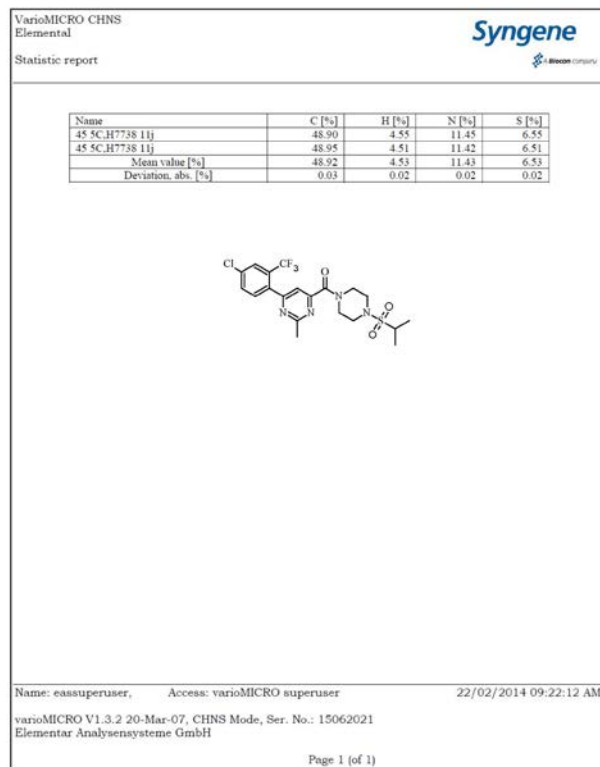


Figure S33. CHNS analysis of compound 11j.