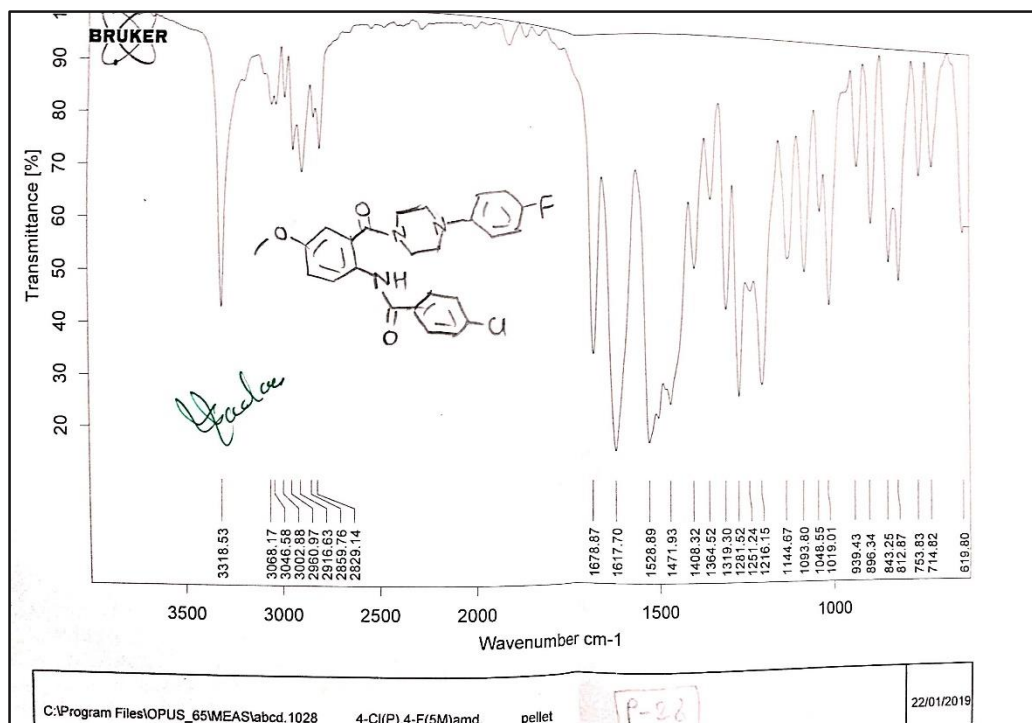
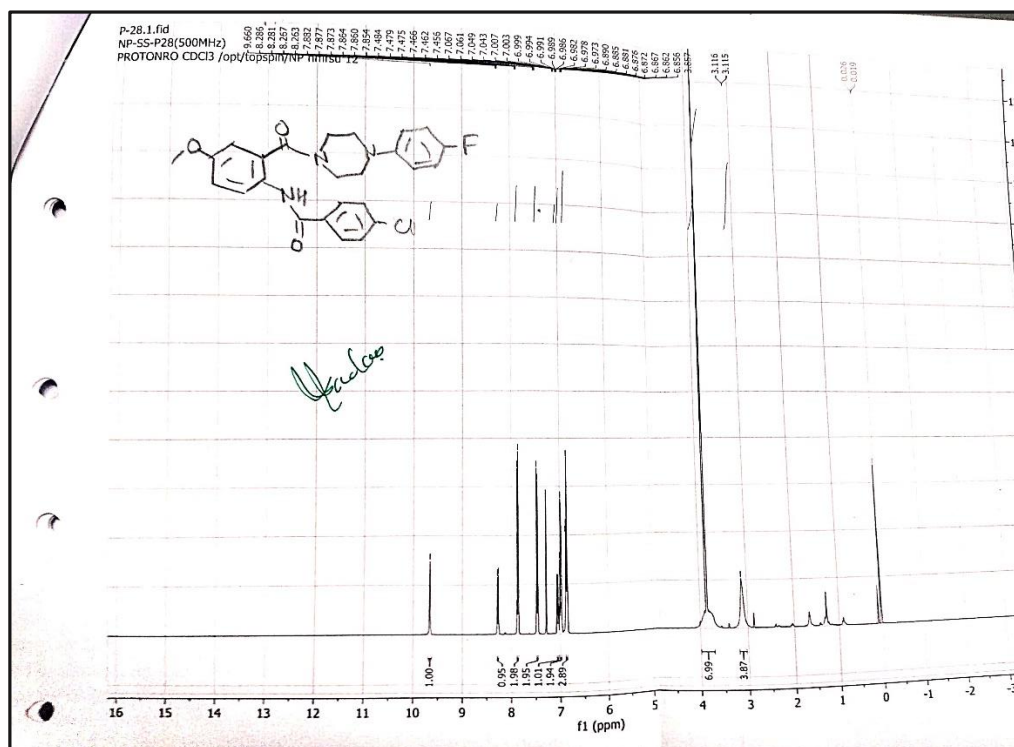


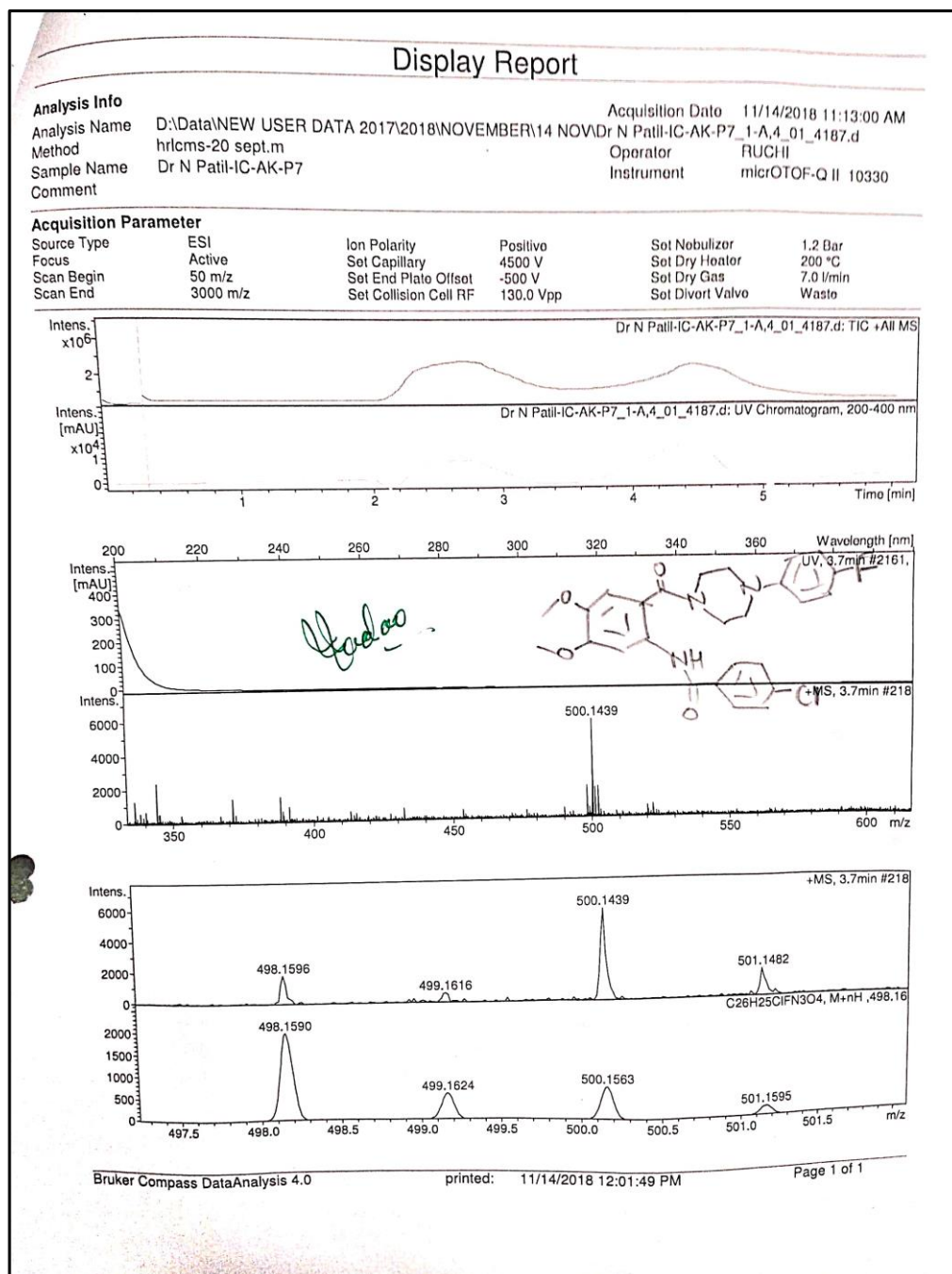
S1

IR



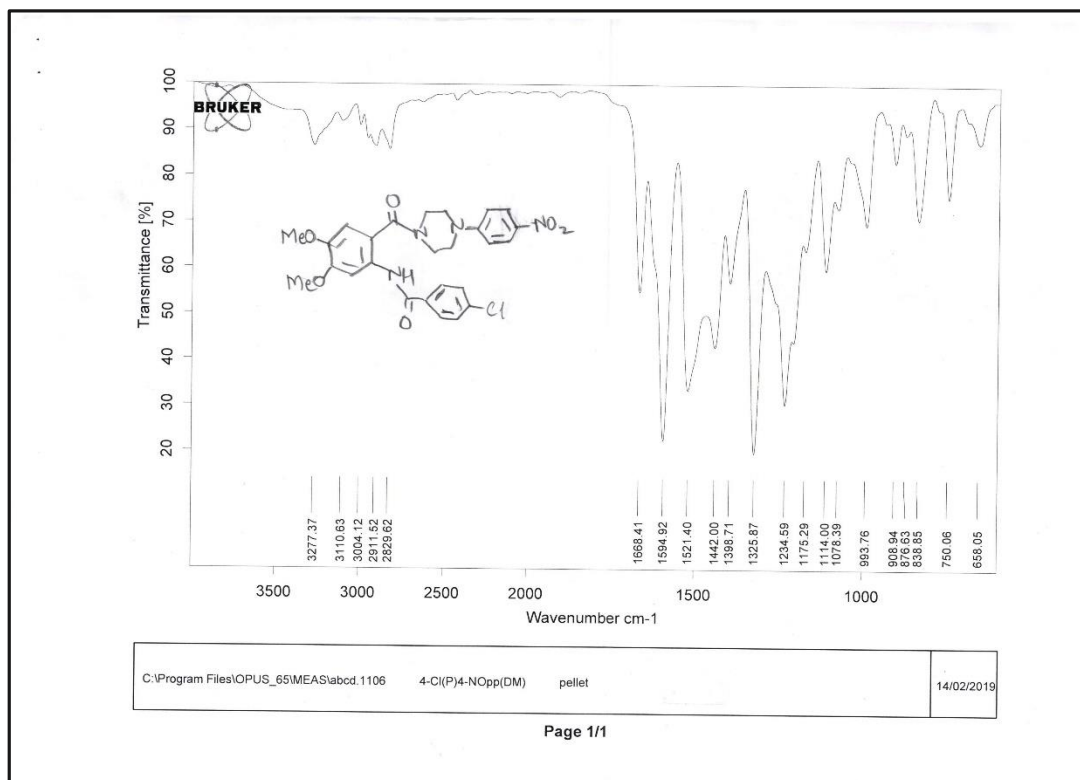
¹H-NMR



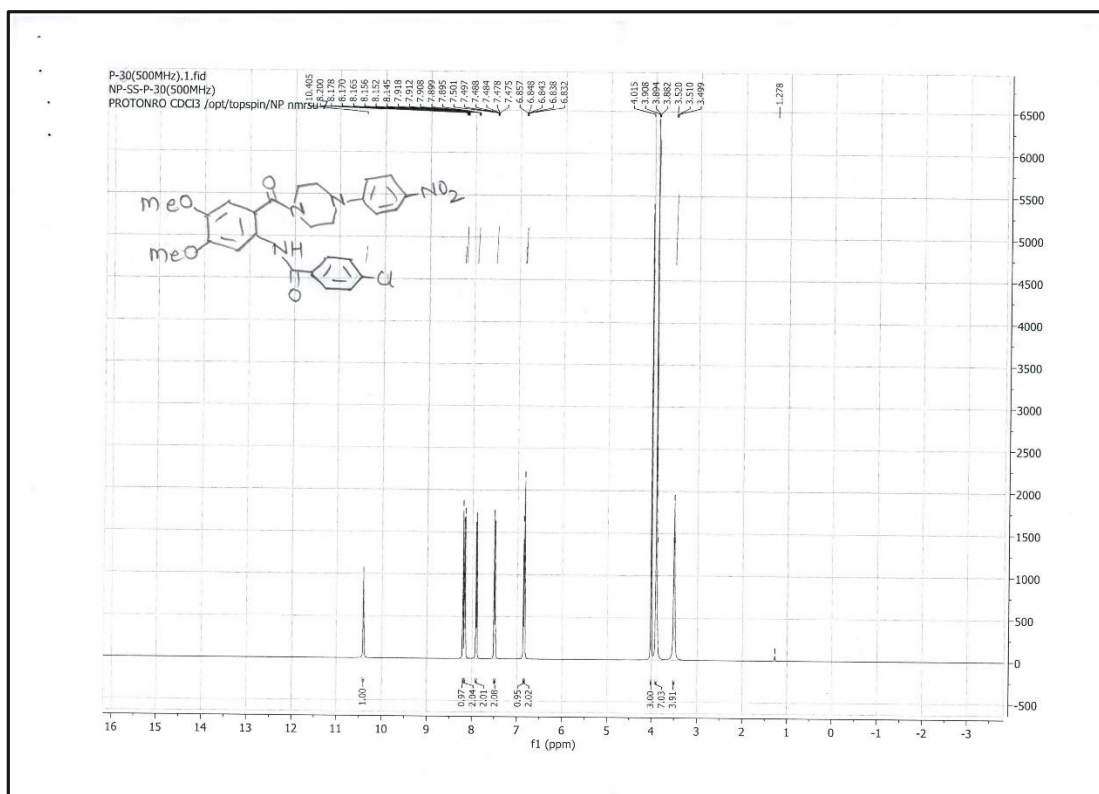
HRMS

3. 4-Chloro-*N*-(2-(4-(4-nitrophenyl)-1-piperazinylcarbonyl)-4,5-dimethoxyphenyl)-benzamide (191)

IR

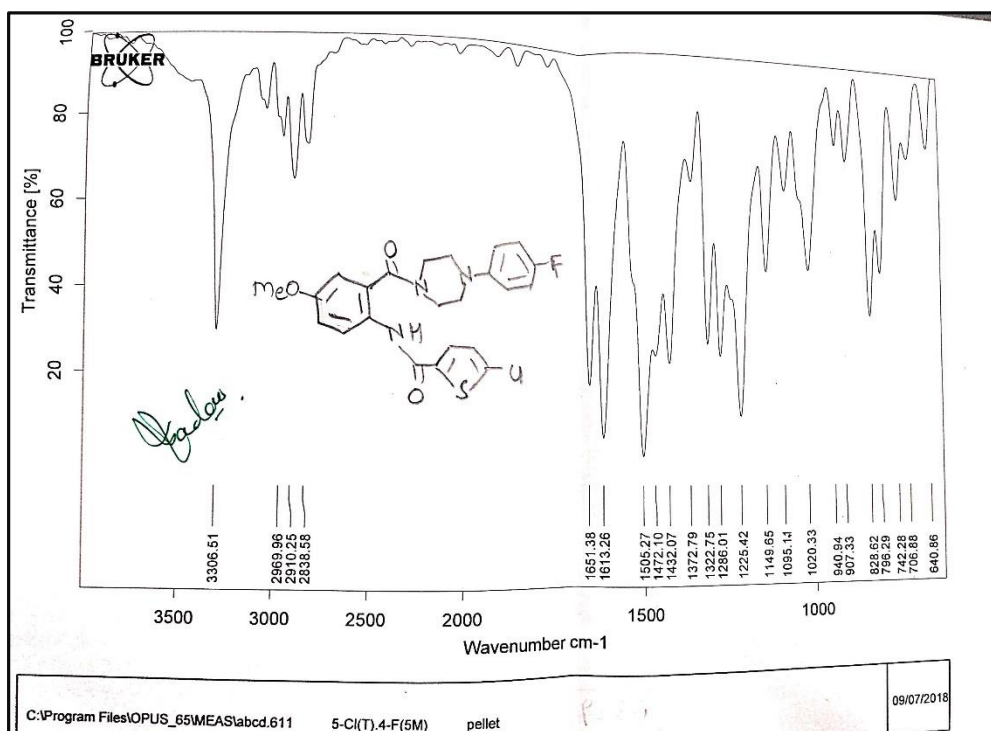


¹H-NMR

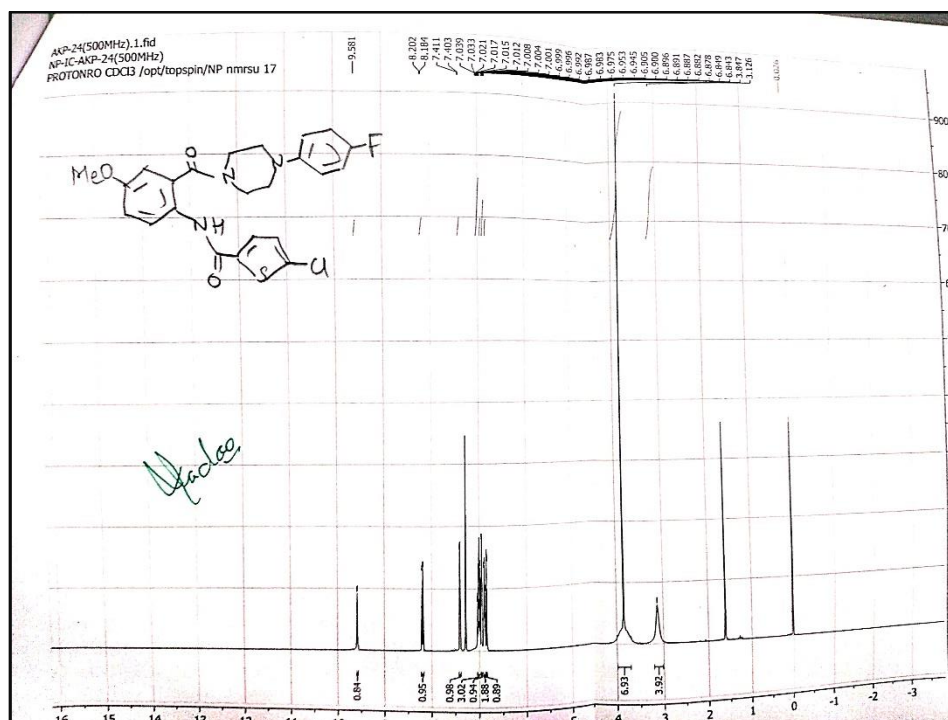


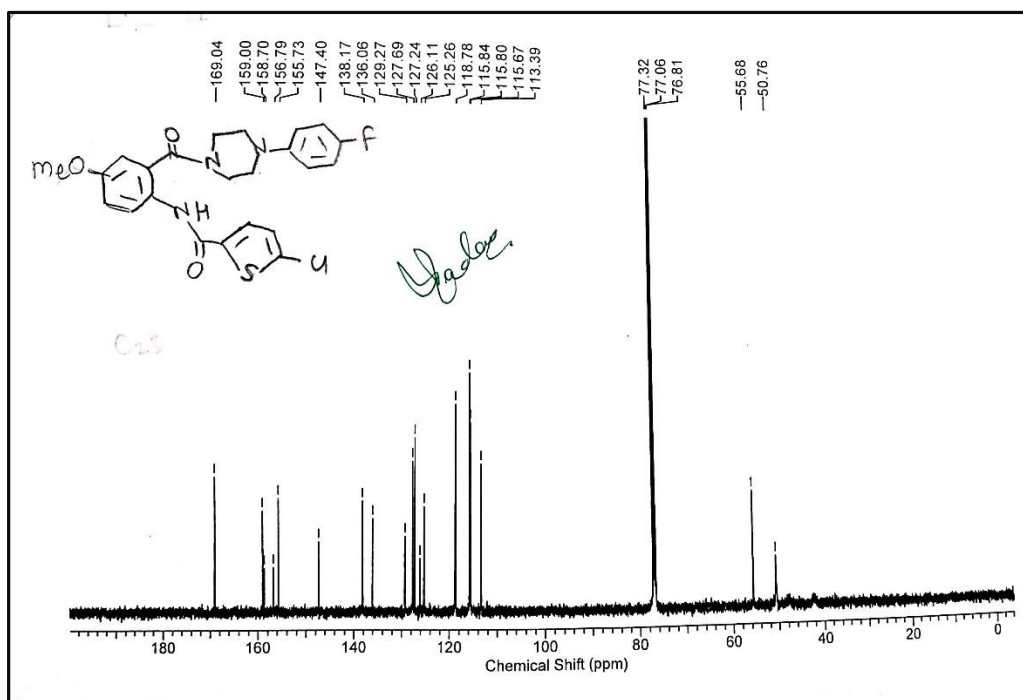
4. 5-Chloro-*N*-(2-(4-(4-fluorophenyl)-1-piperazinylcarbonyl)-4-methoxyphenyl)-thiophene-2-carboxamide (201)

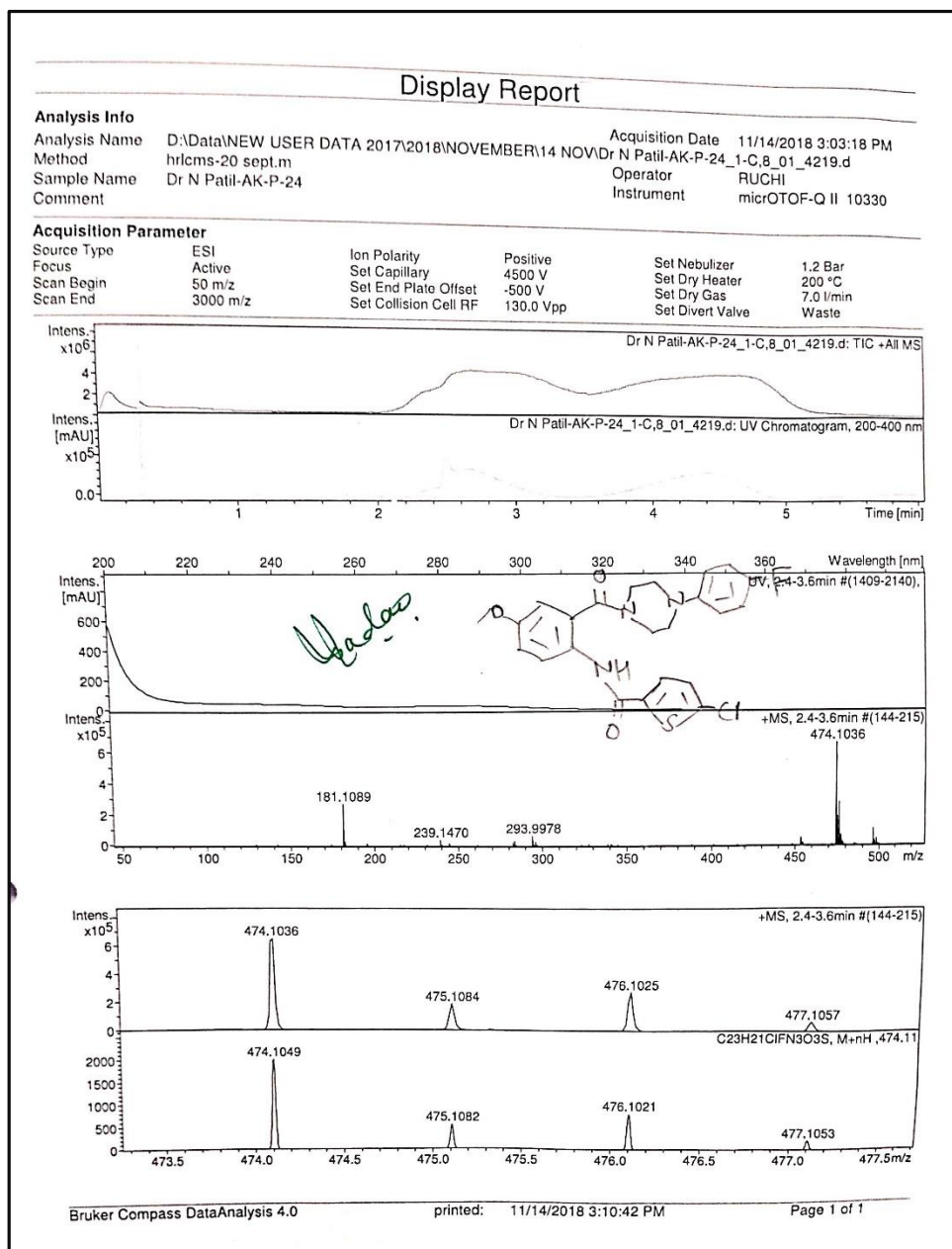
IR

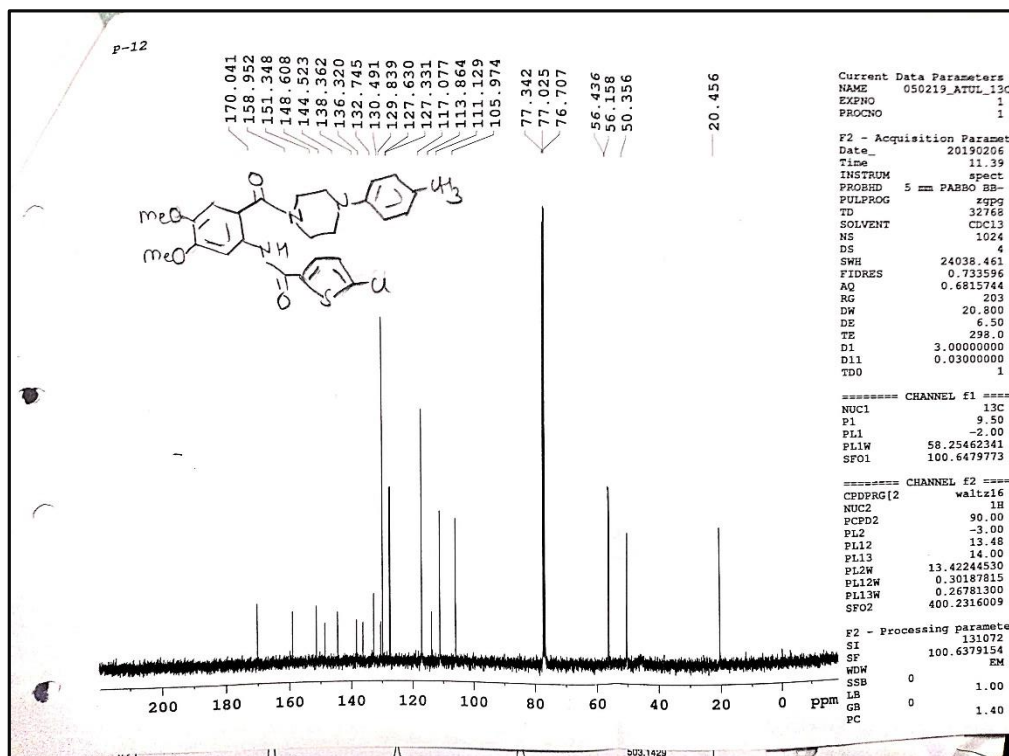


¹H-NMR



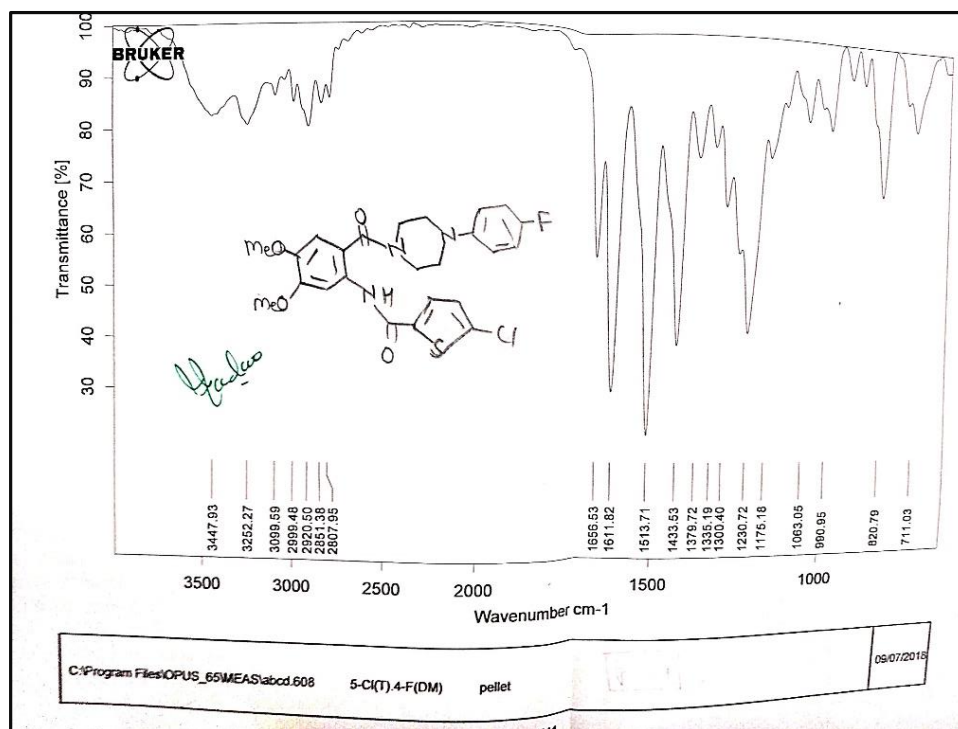
¹³C-NMR

HRMS

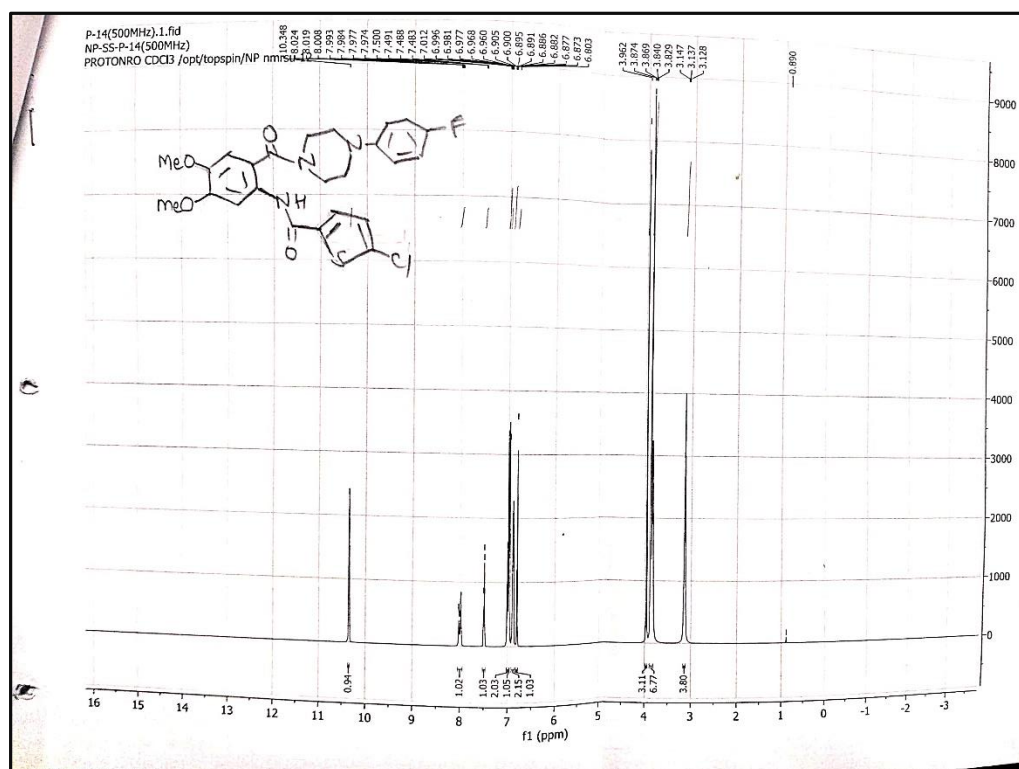
¹³C-NMR

6. 5-Chloro-*N*-(2-(4-(4-fluorophenyl)-1-piperazinylcarbonyl)-4,5-dimethoxyphenyl)-thiophene-2-carboxamide (208)

IR

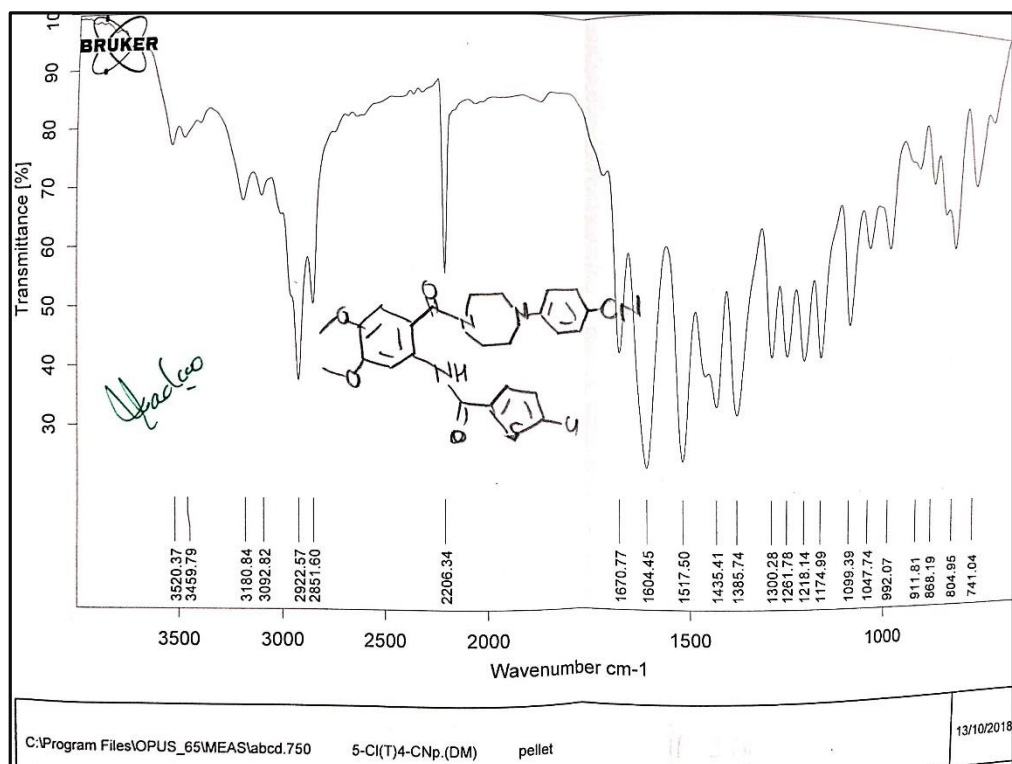


¹H-NMR

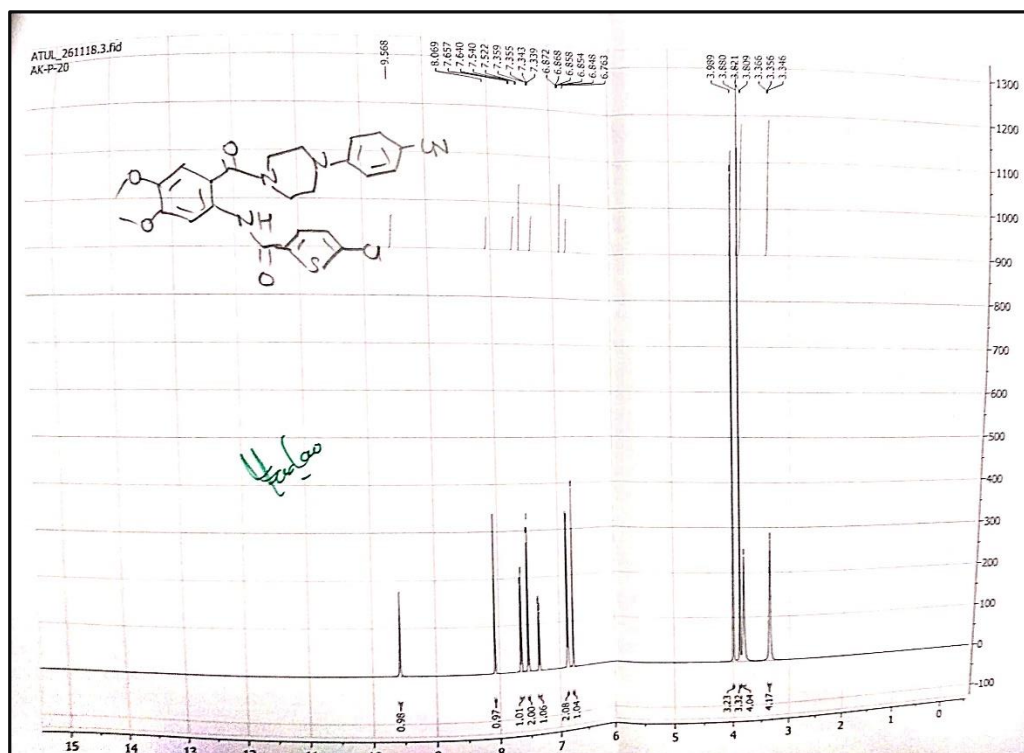


7. 5-Chloro-N-(2-(4-(4-cyanophenyl)-1-piperazinylcarbonyl)-4,5-dimethoxyphenyl)-thiophene-2-carboxamide (211)

IR



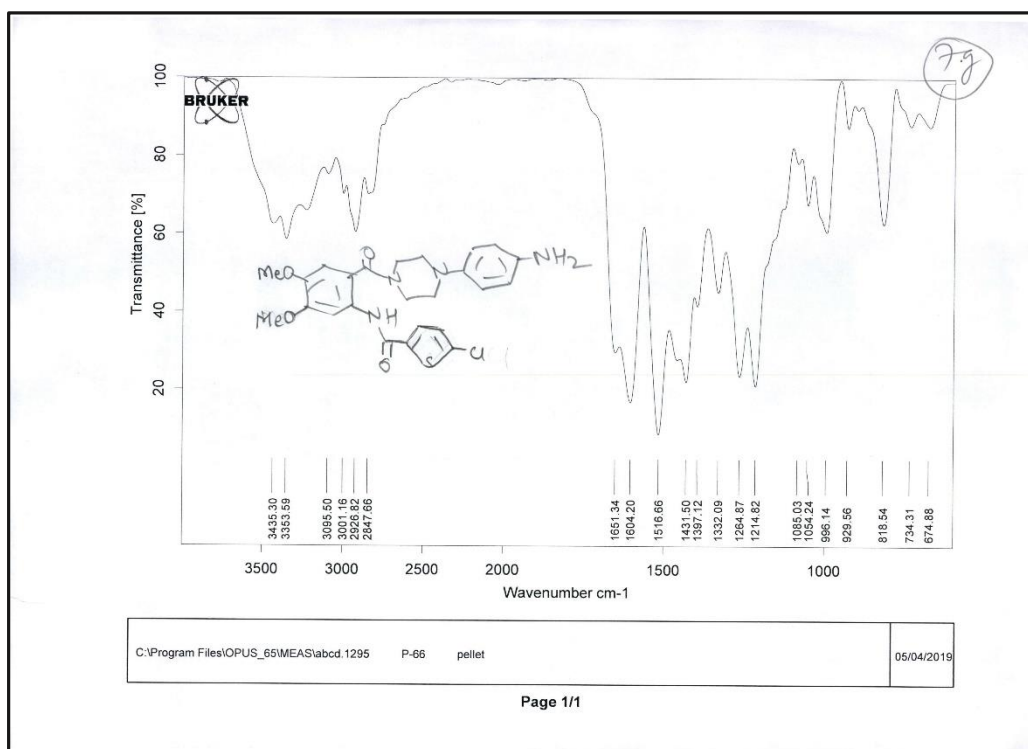
¹H-NMR



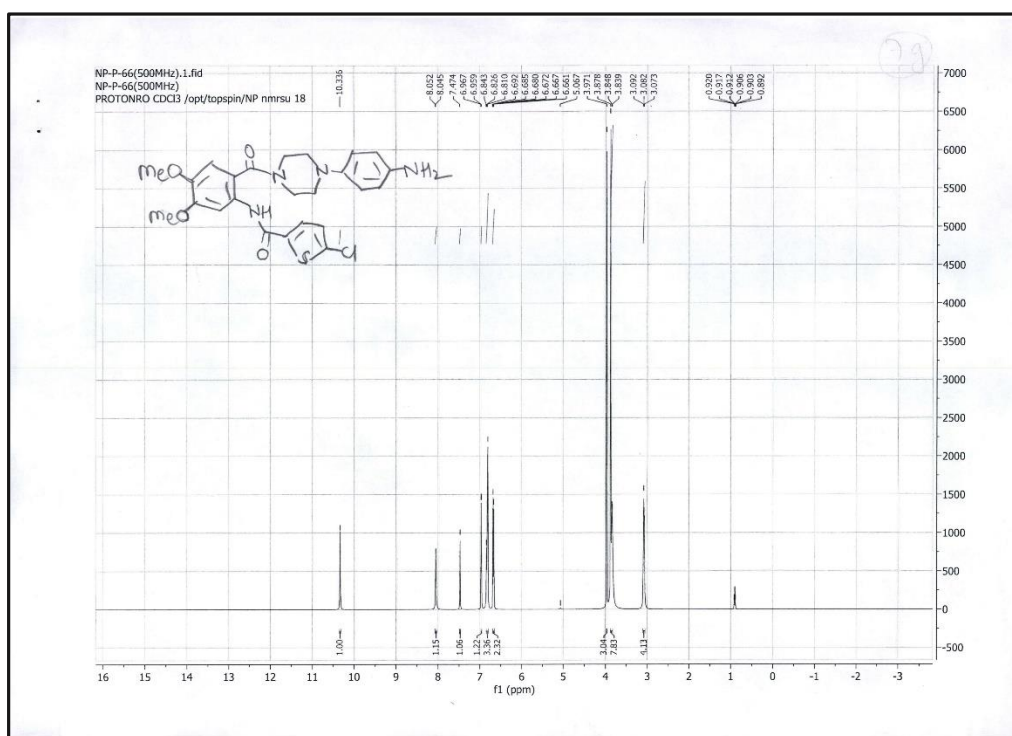
S13

8. 5-Chloro-*N*-(2-(4-(4-aminophenyl)-1-piperazinylcarbonyl)-4,5-dimethoxyphenyl)-thiophene-2-carboxamide (214)

IR

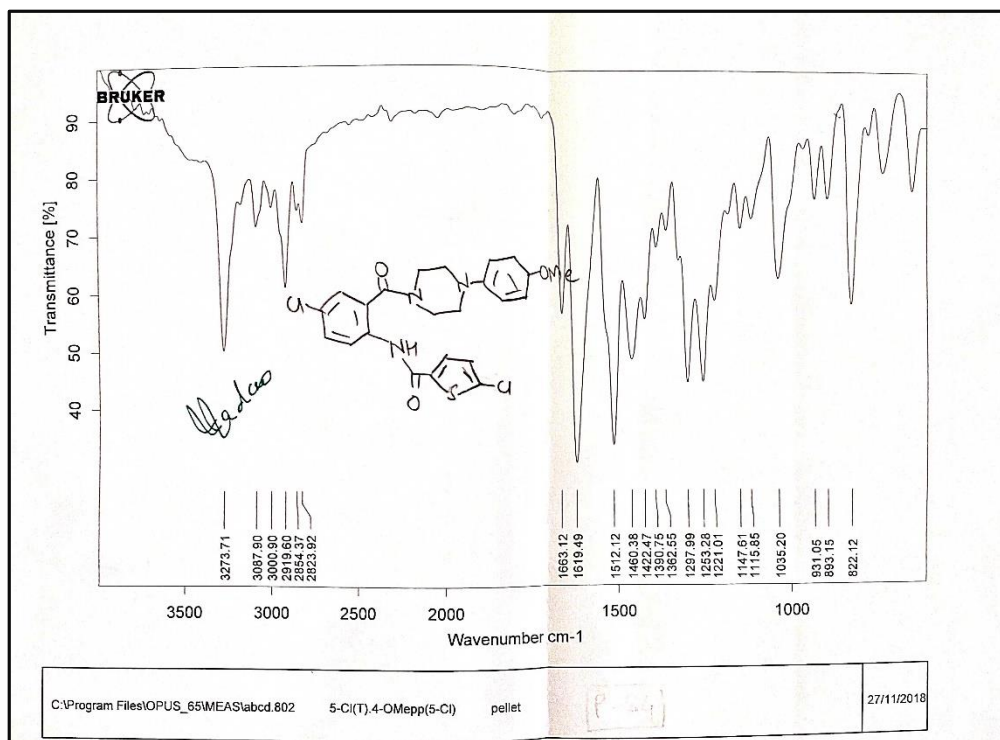


¹H-NMR

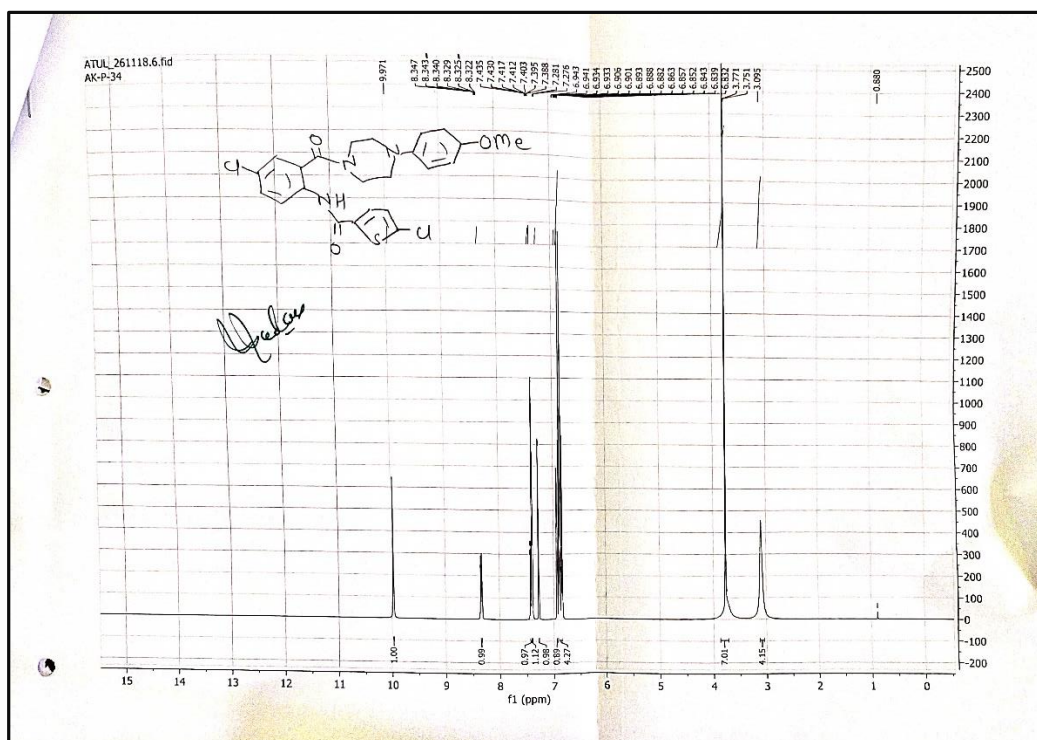


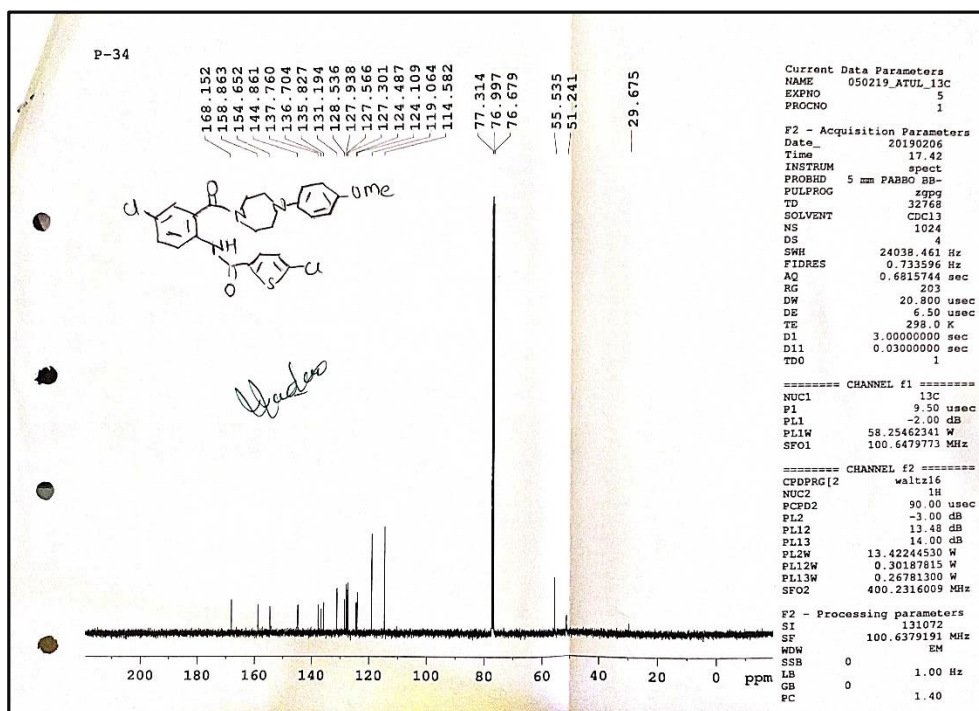
9. 5-Chloro-N-(2-(4-(4-methoxyphenyl)-1-piperazinylcarbonyl)-4-chlorophenyl)-thiophene-2-carboxamide (216)

IR

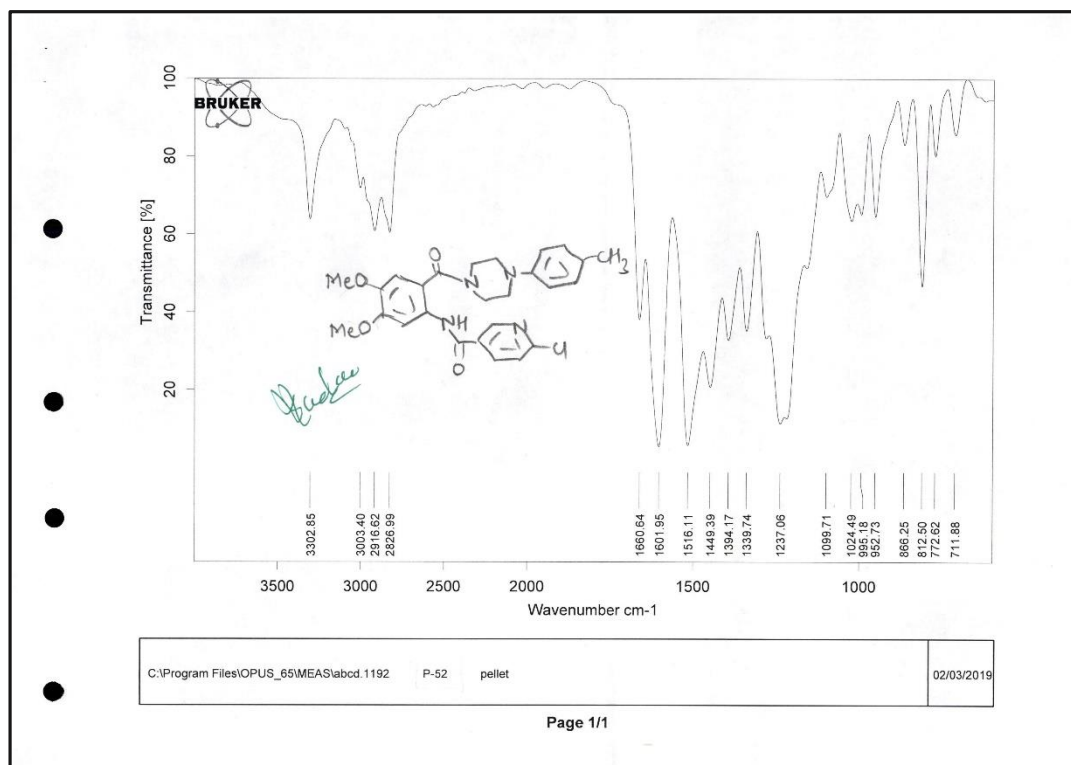


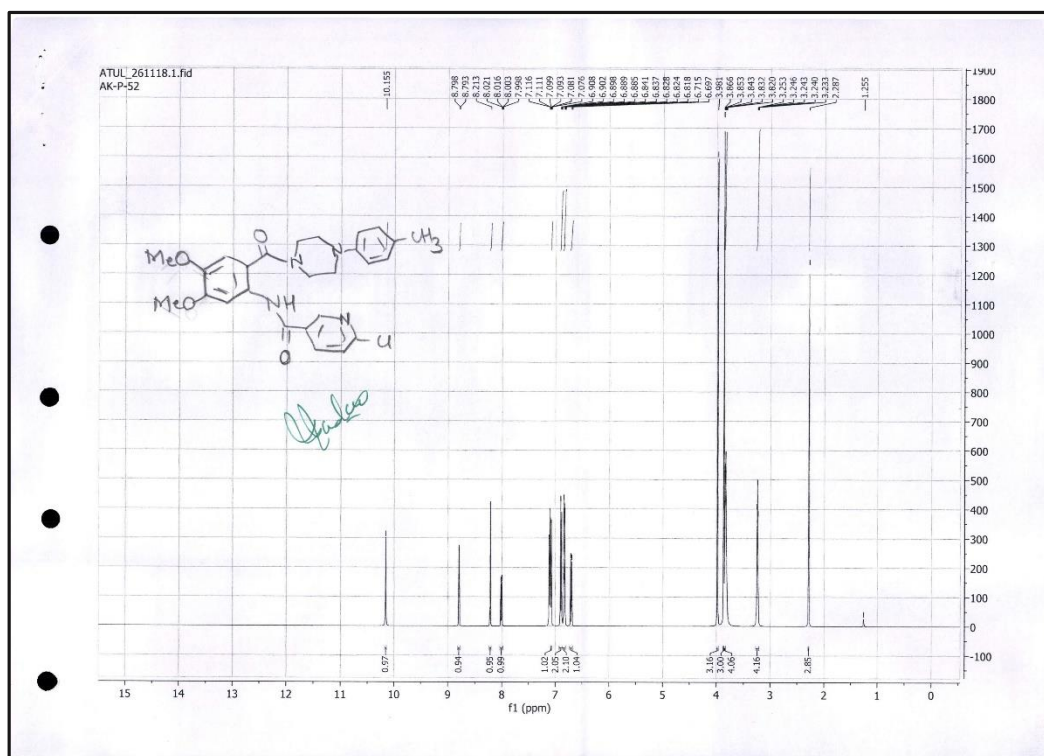
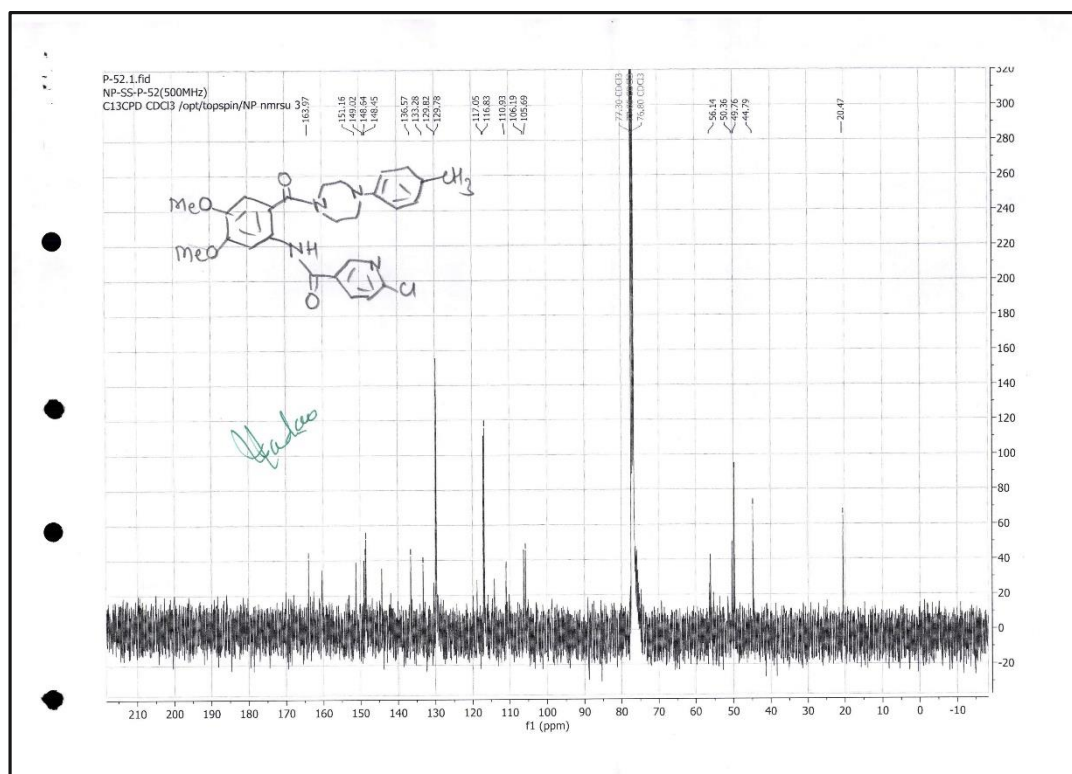
¹H-NMR



¹³C-NMR

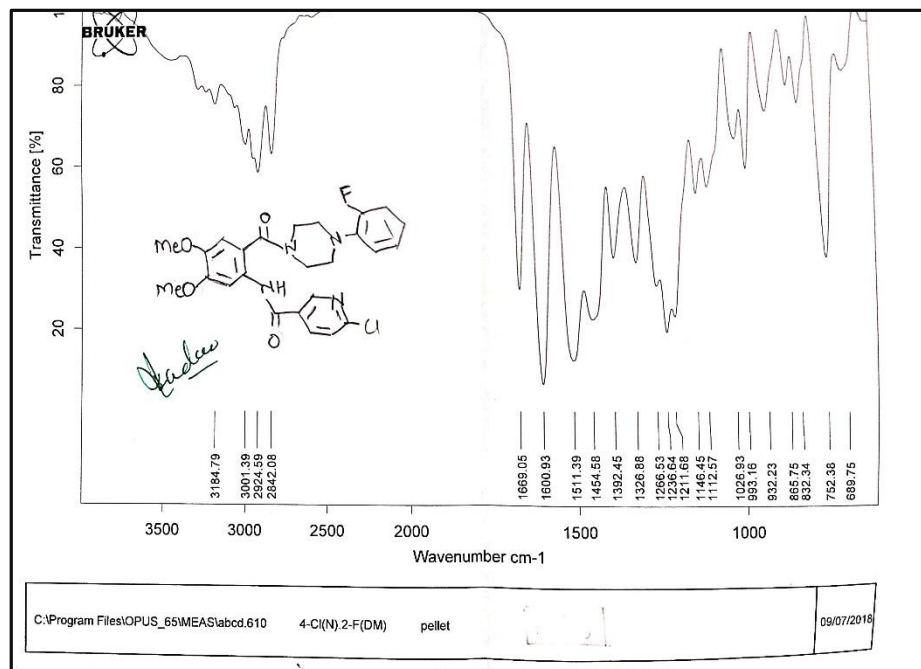
10. 6-Chloro-N-(2-(4-(4-methylphenyl)-1-piperazinylcarbonyl)-4,5-dimethoxyphenyl)-nicotinamide (224)

IR

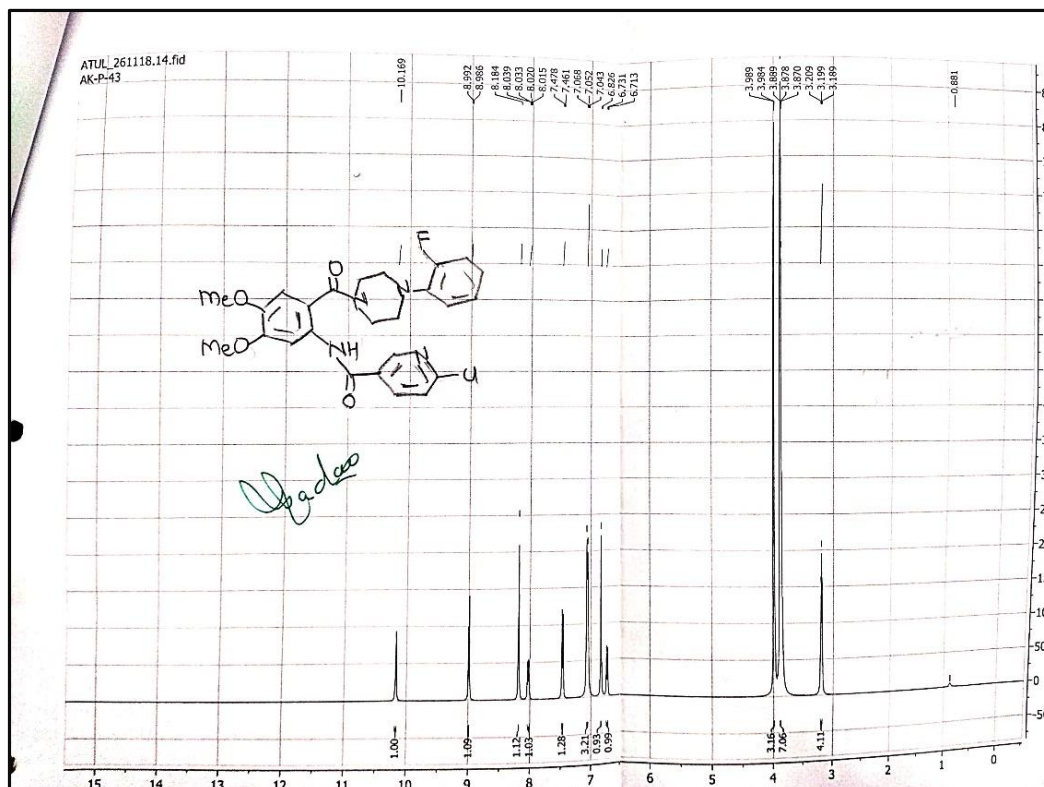
¹H-NMR¹³C-NMR

11. 6-Chloro-N-(2-(4-(2-fluorophenyl)-1-piperazinylcarbonyl)-4,5-dimethoxyphenyl)nicotinamide (227)

IR

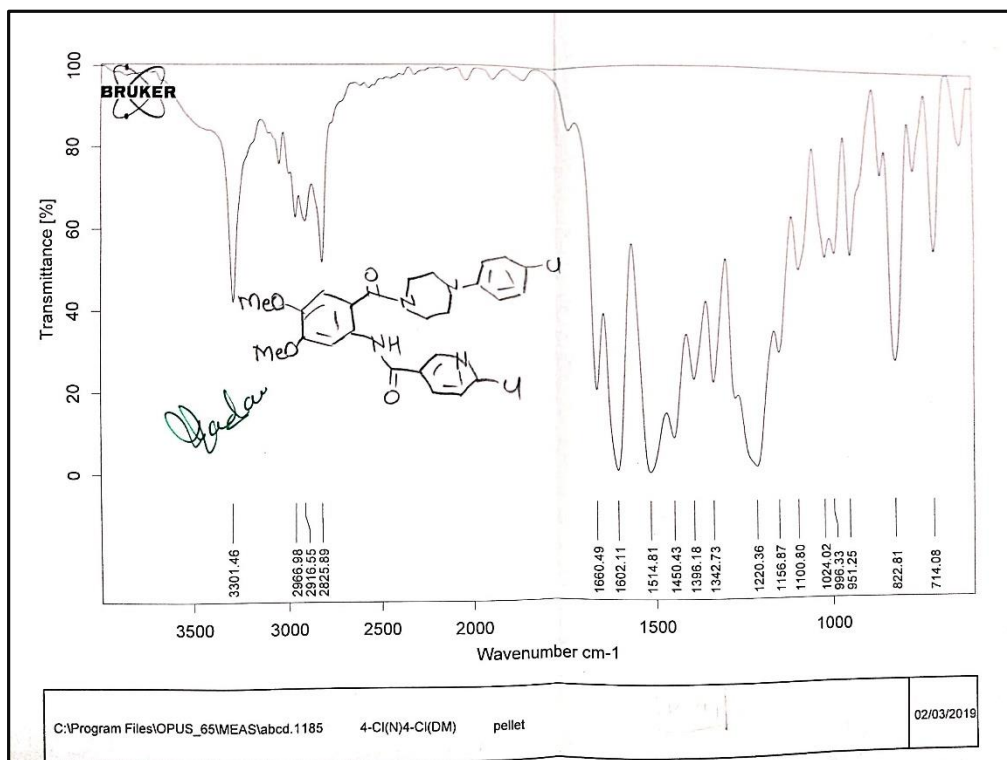


¹H-NMR

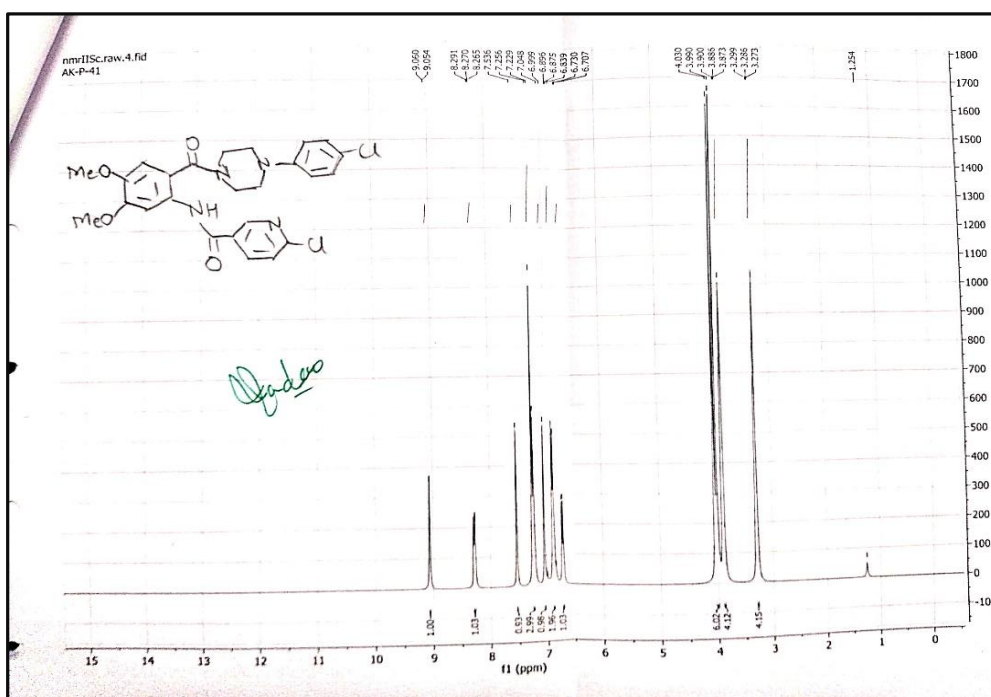


12. 6-Chloro-*N*-(2-(4-(4-chlorophenyl)-1-piperazinylcarbonyl)-4,5-dimethoxyphenyl)nicotinamide (229)

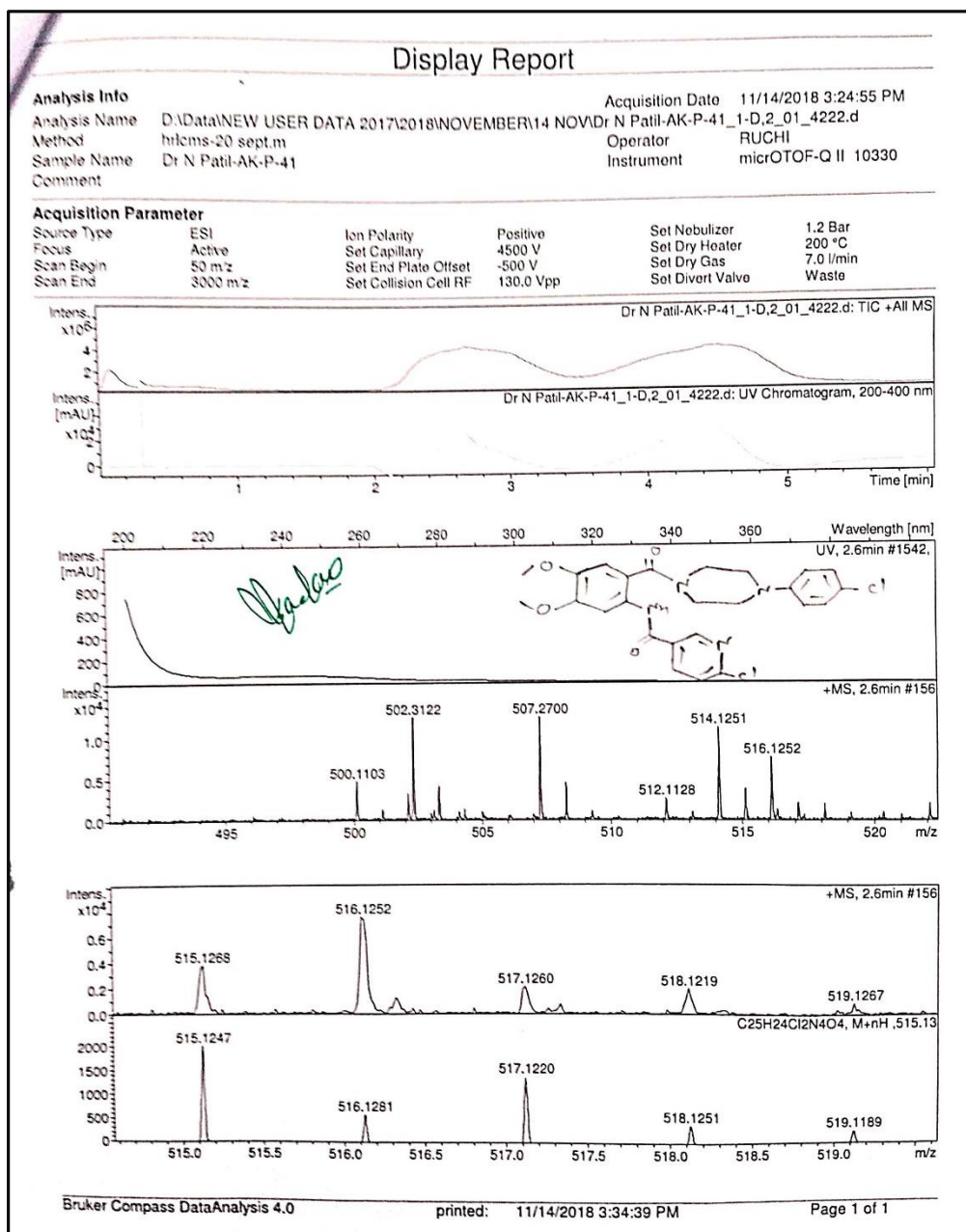
IR



¹H-NMR

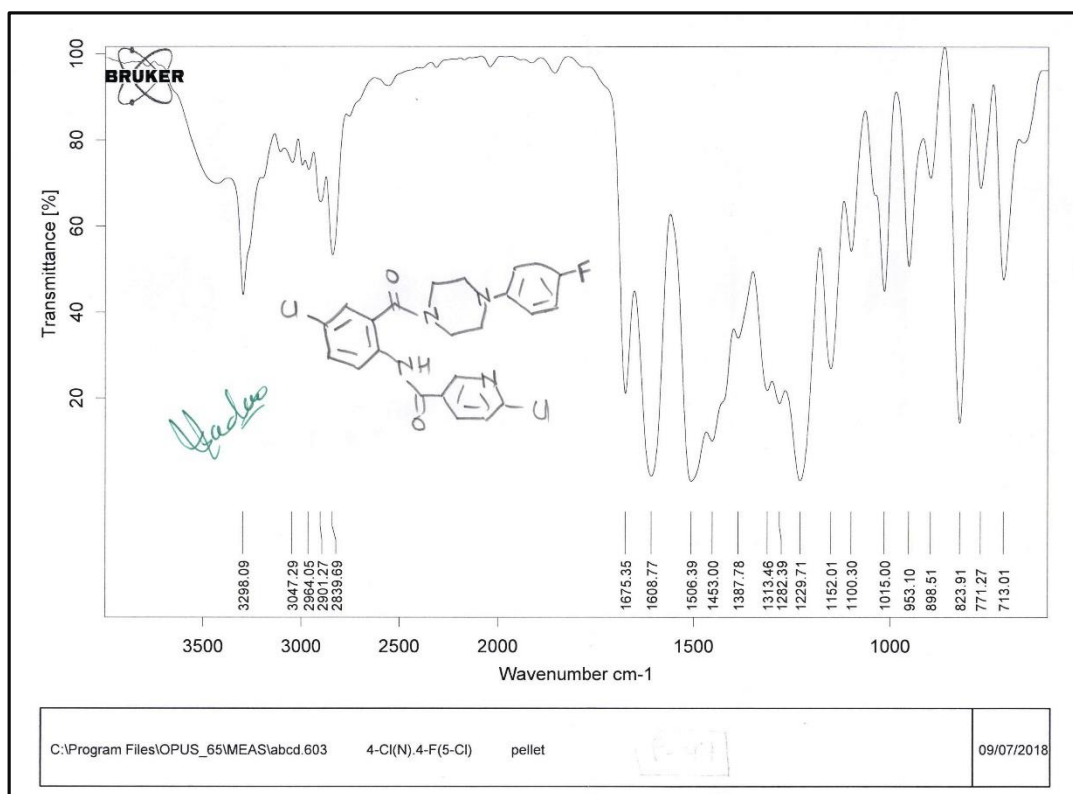


HR-MS

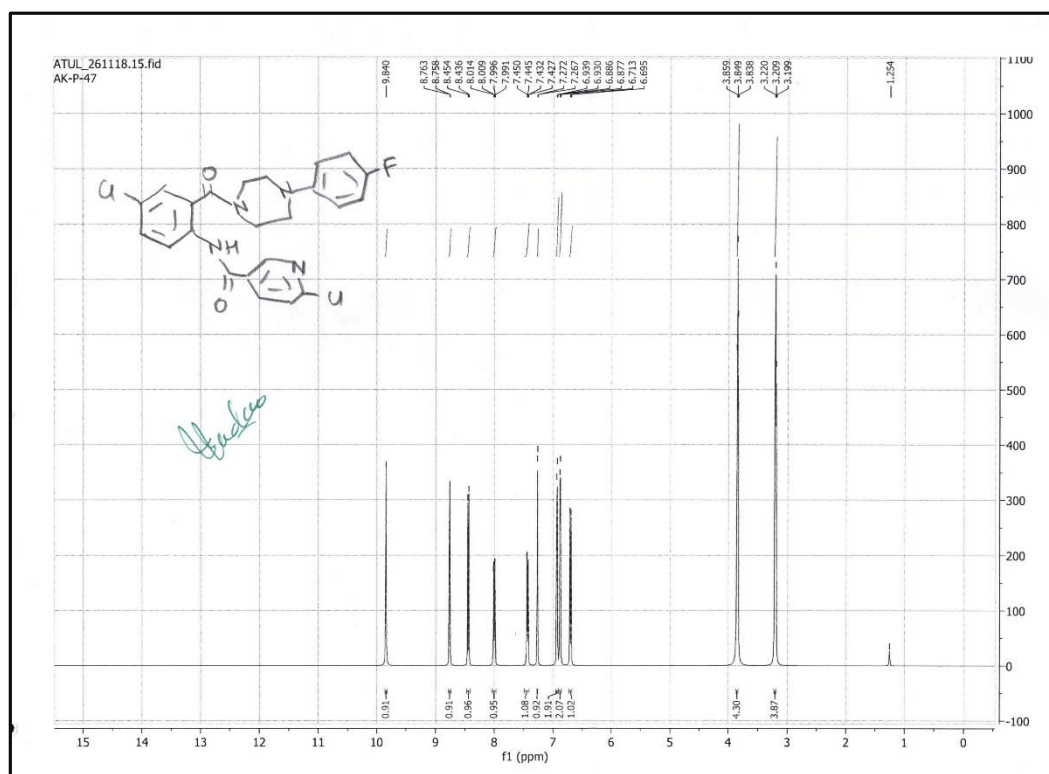


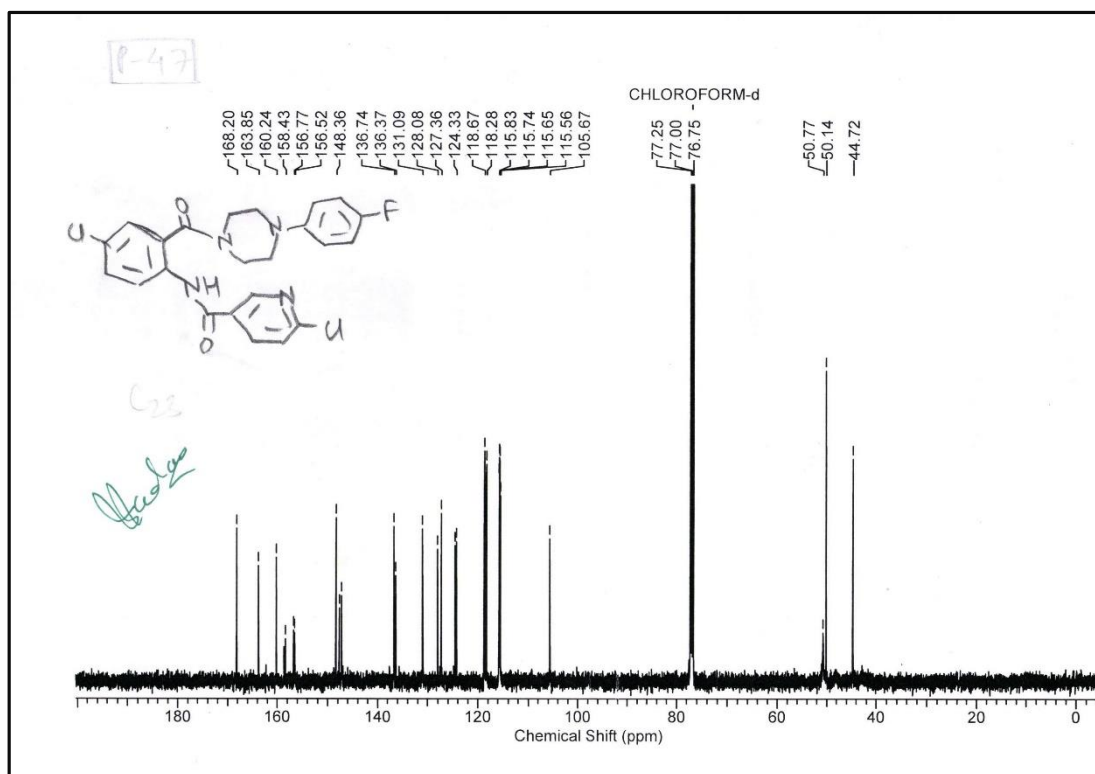
13. 6-Chloro-*N*-(4-chloro-2-(4-(4-fluorophenyl)-1-piperazinylcarbonyl)-phenyl)-nicotinamide (234)

IR

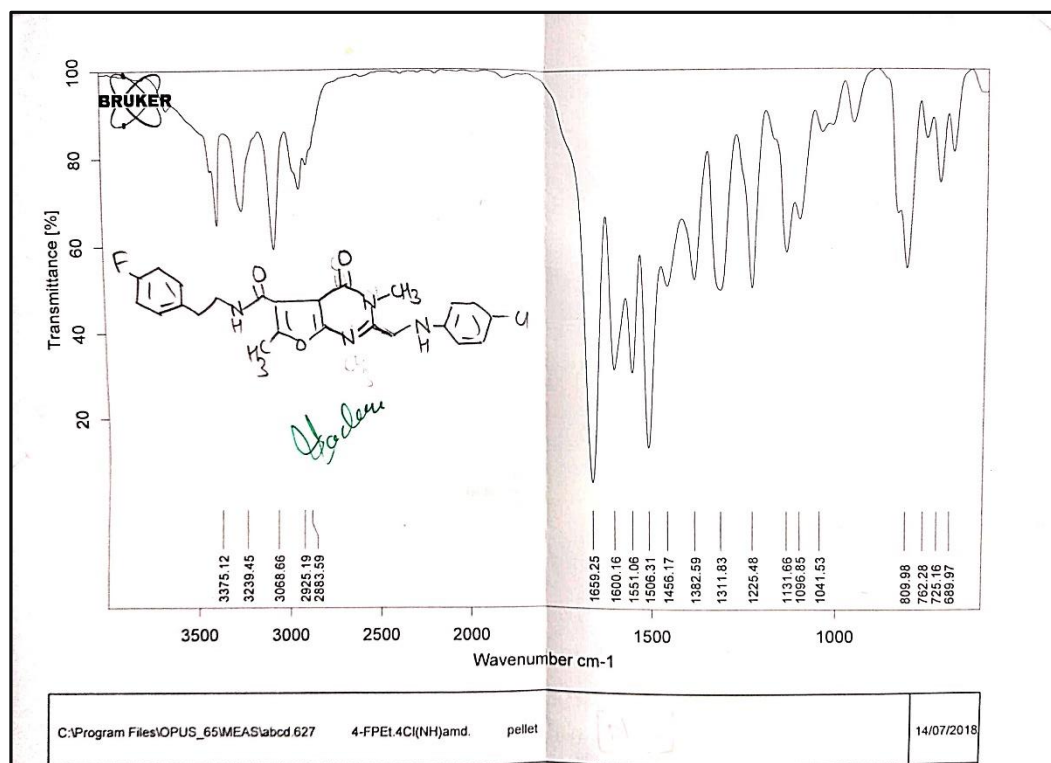


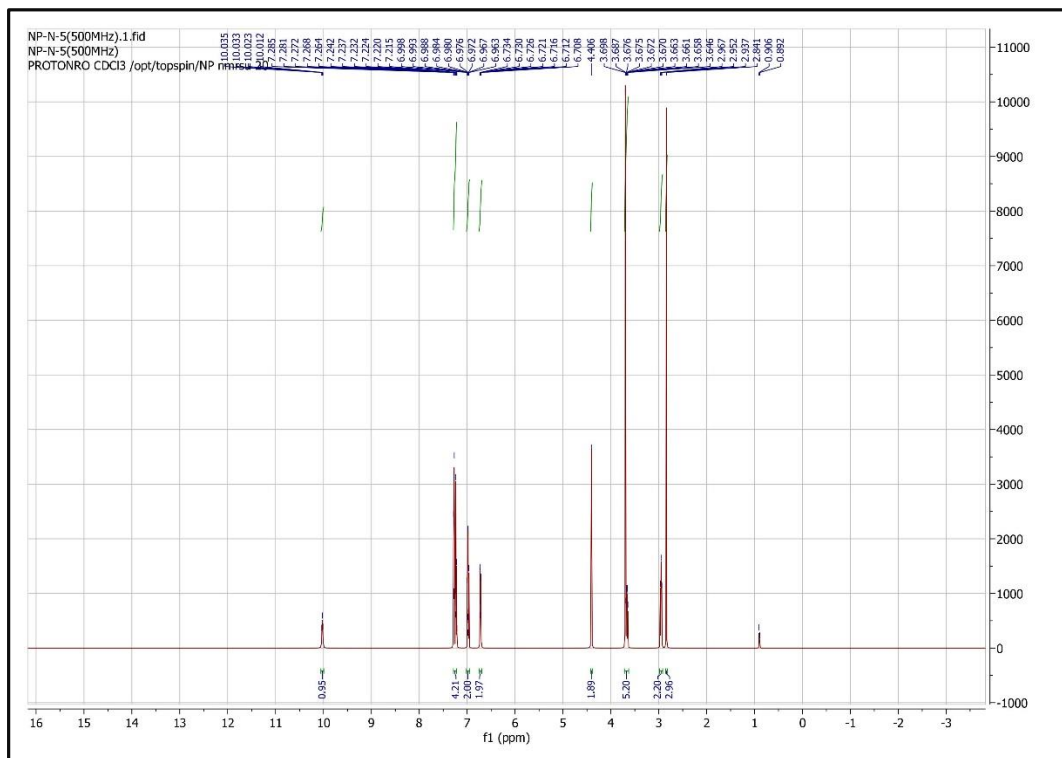
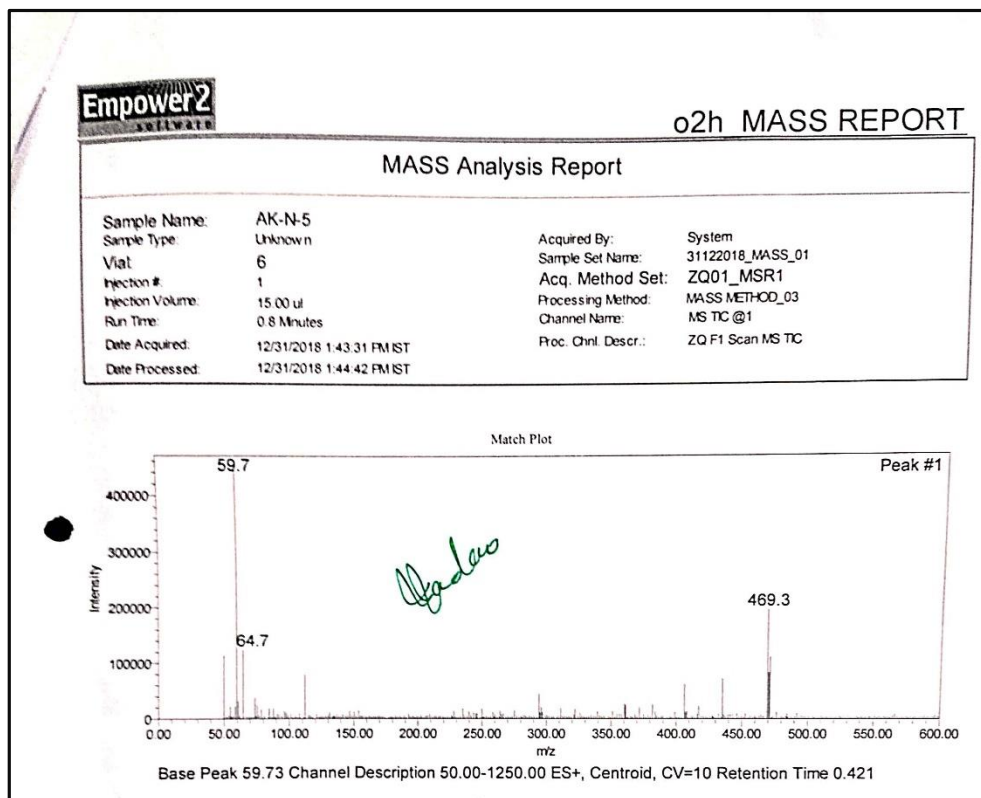
¹H-NMR



¹³C-NMR

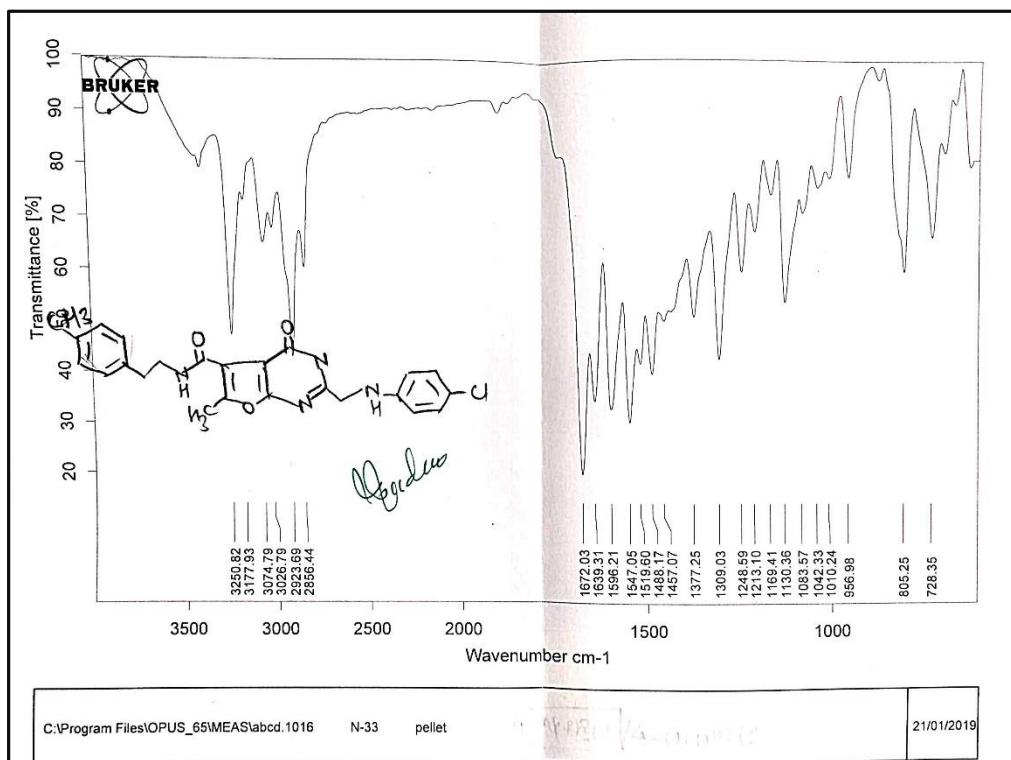
14. 2-((4-Chlorophenylamino)methyl)-N-(4-fluorophenethyl)-3,4-dihydro-3,6-dimethyl-4-oxofuro[2,3-d]pyrimidine-5-carboxamide (255)

IR

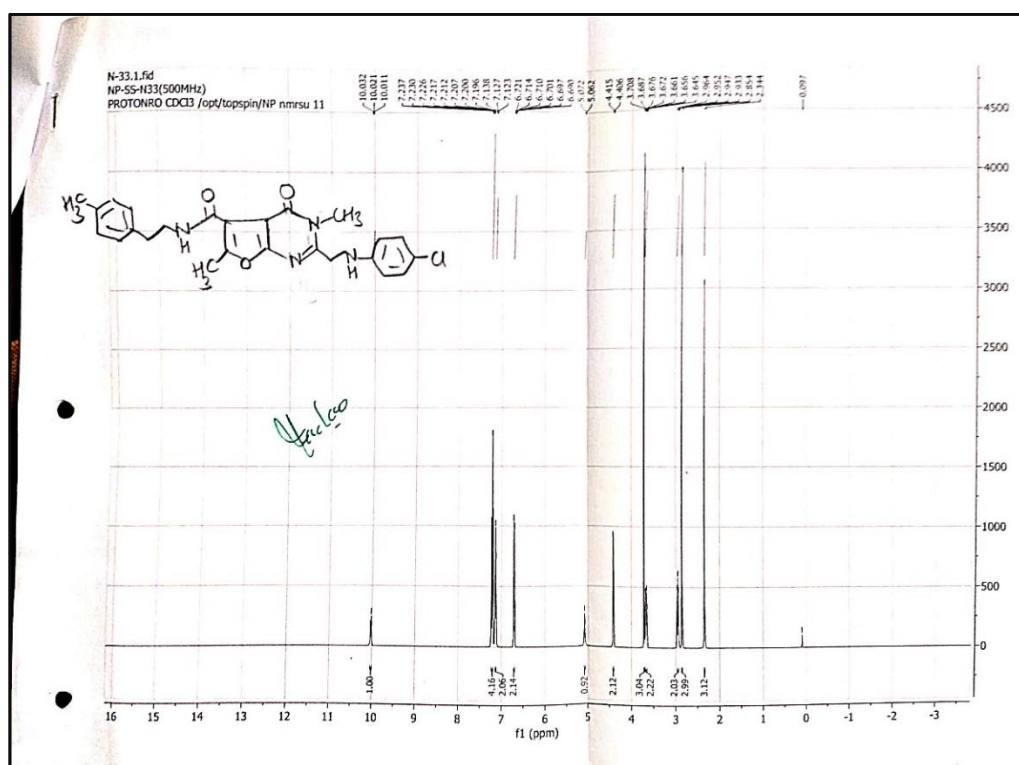
^1H -NMR**MASS**

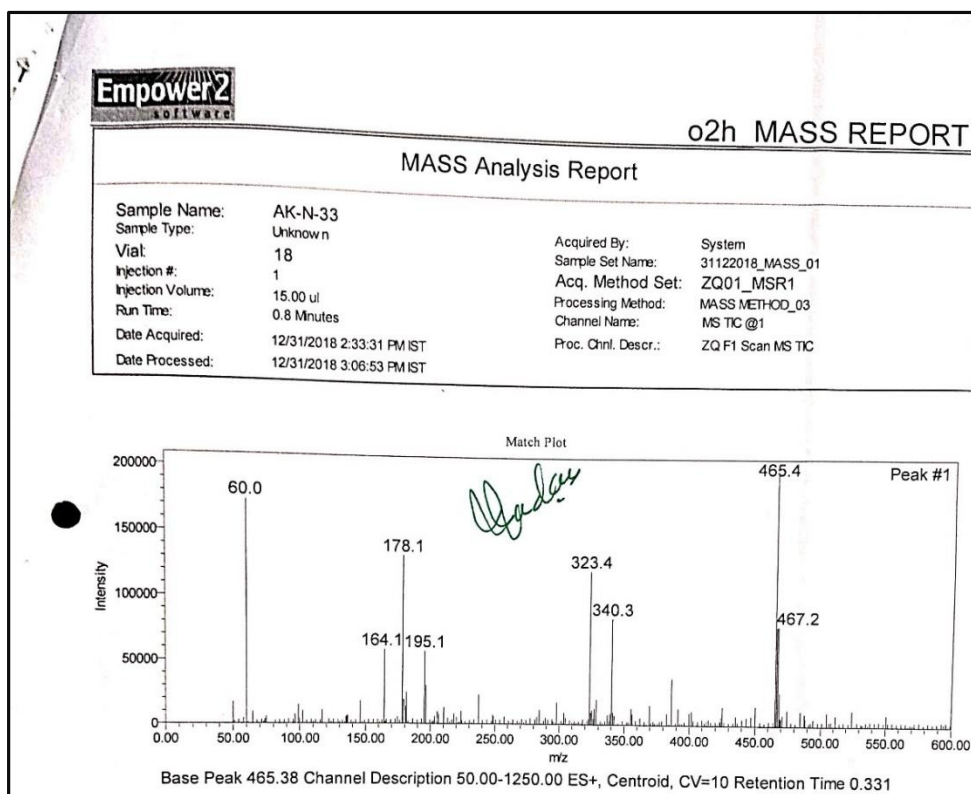
15. 2-((4-Chlorophenylamino)methyl)-N-(4-methylphenethyl)-3,4-dihydro-3,6-dimethyl-4-oxofuro[2,3-d]pyrimidine-5-carboxamide (257)

IR

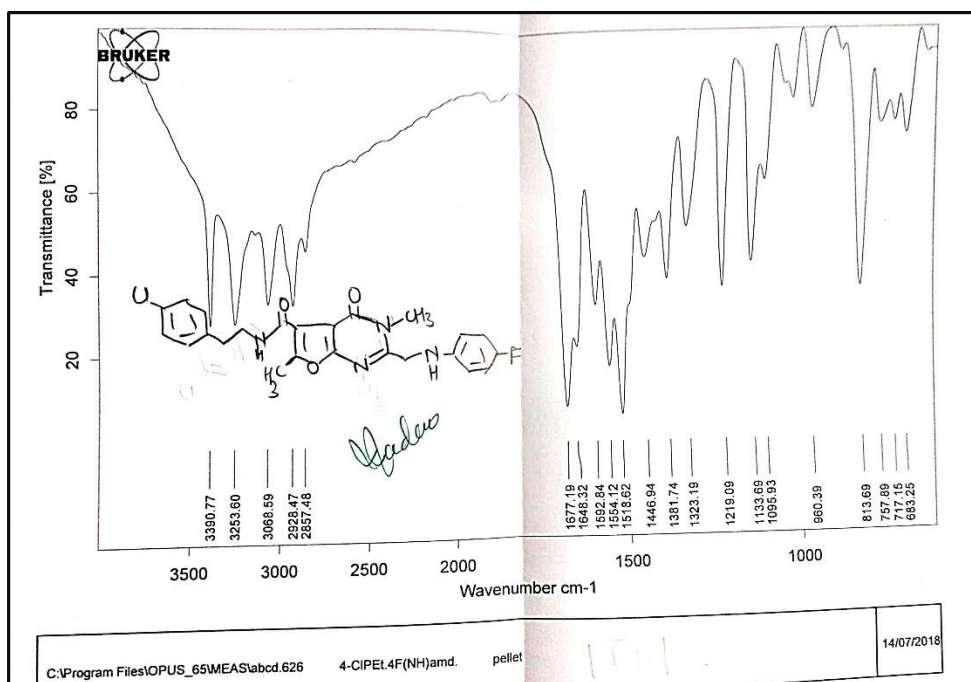


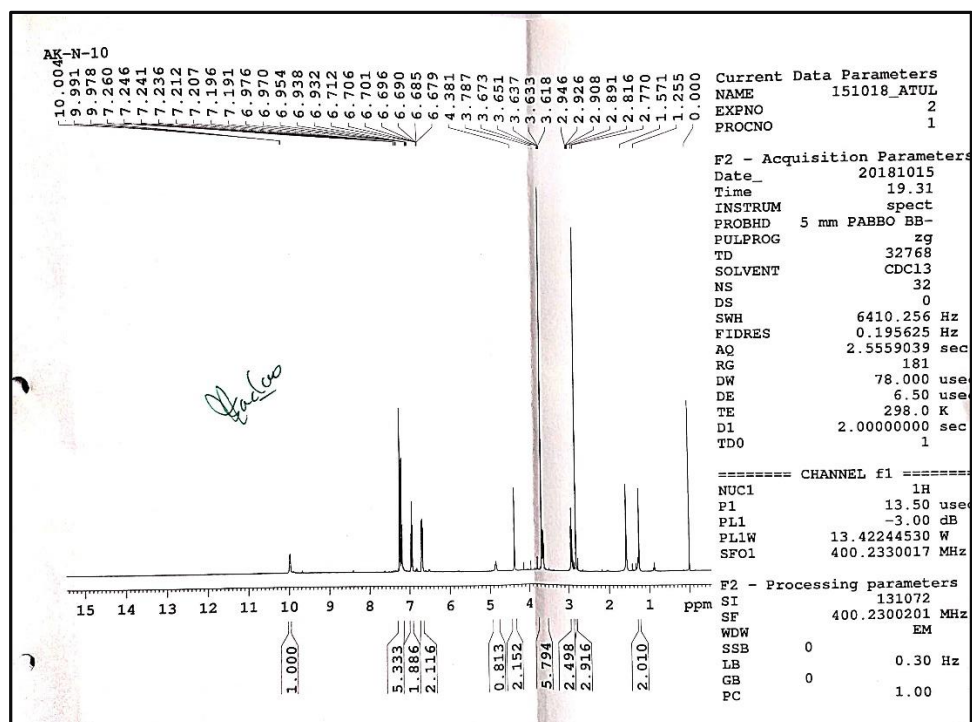
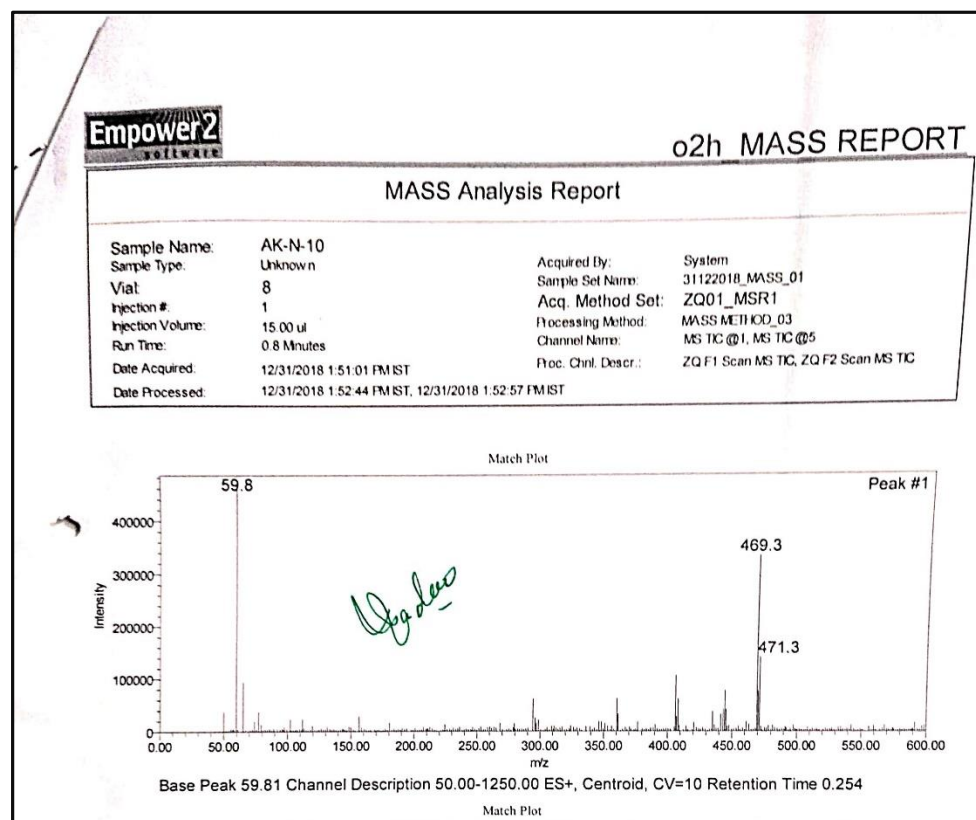
¹H-NMR



MASS

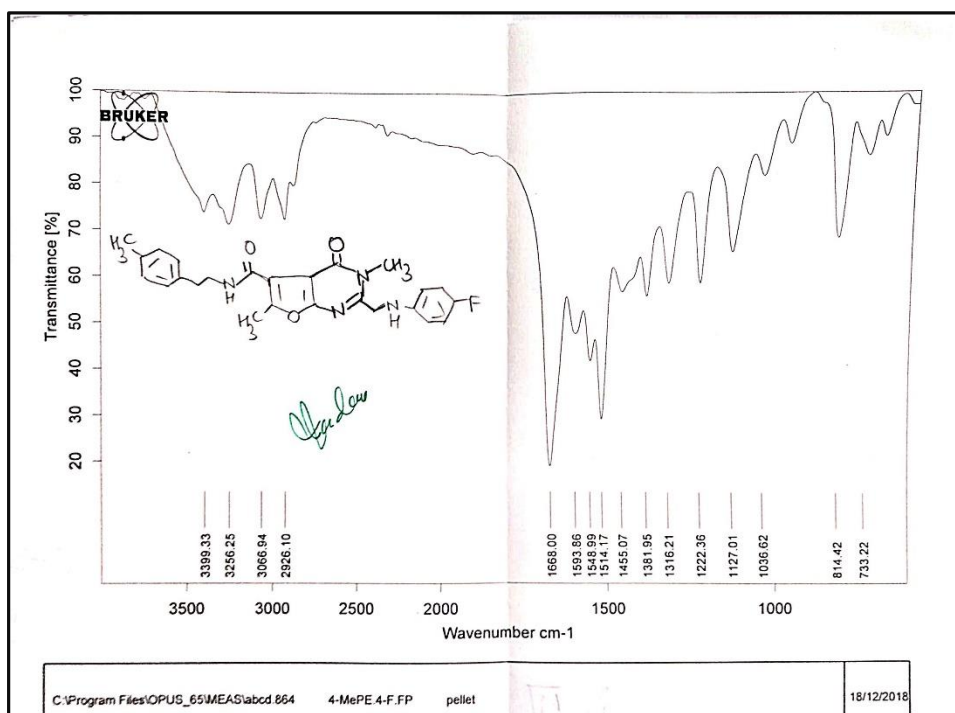
16. 2-((4-Fluorophenylamino)methyl)-N-(4-chlorophenethyl)-3,4-dihydro-3,6-dimethyl-4-oxofuro[2,3-d]pyrimidine-5-carboxamide (259)

IR

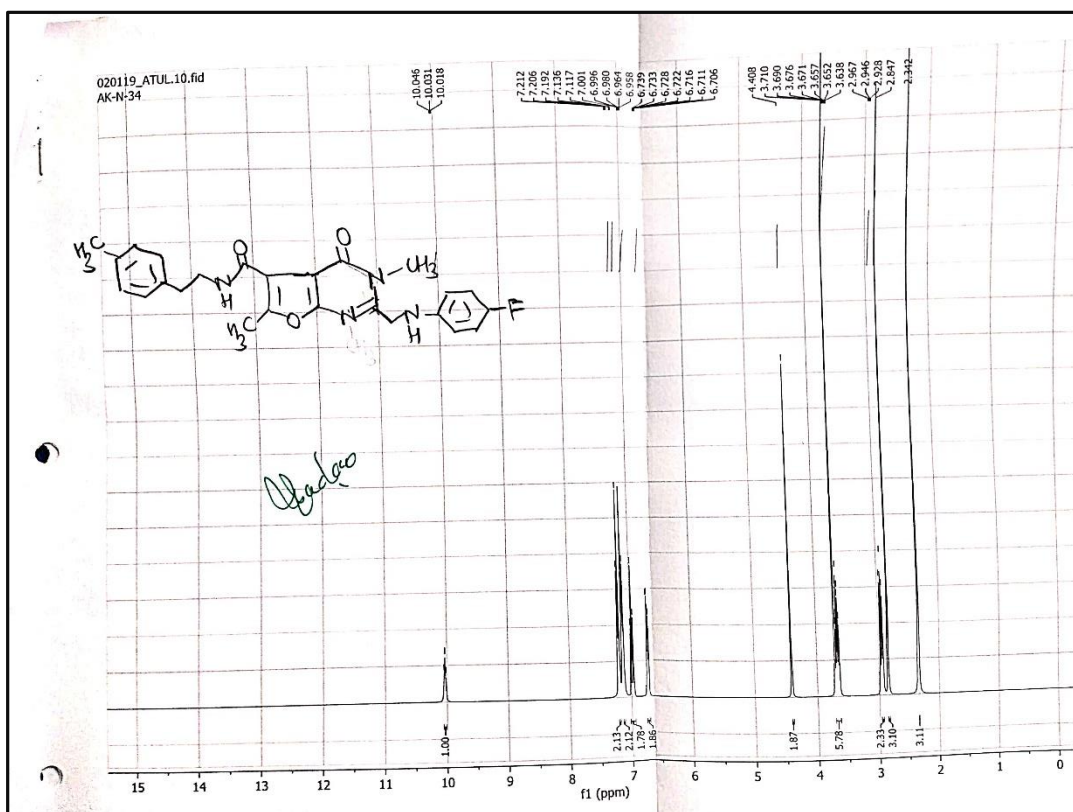
¹H-NMR**MASS**

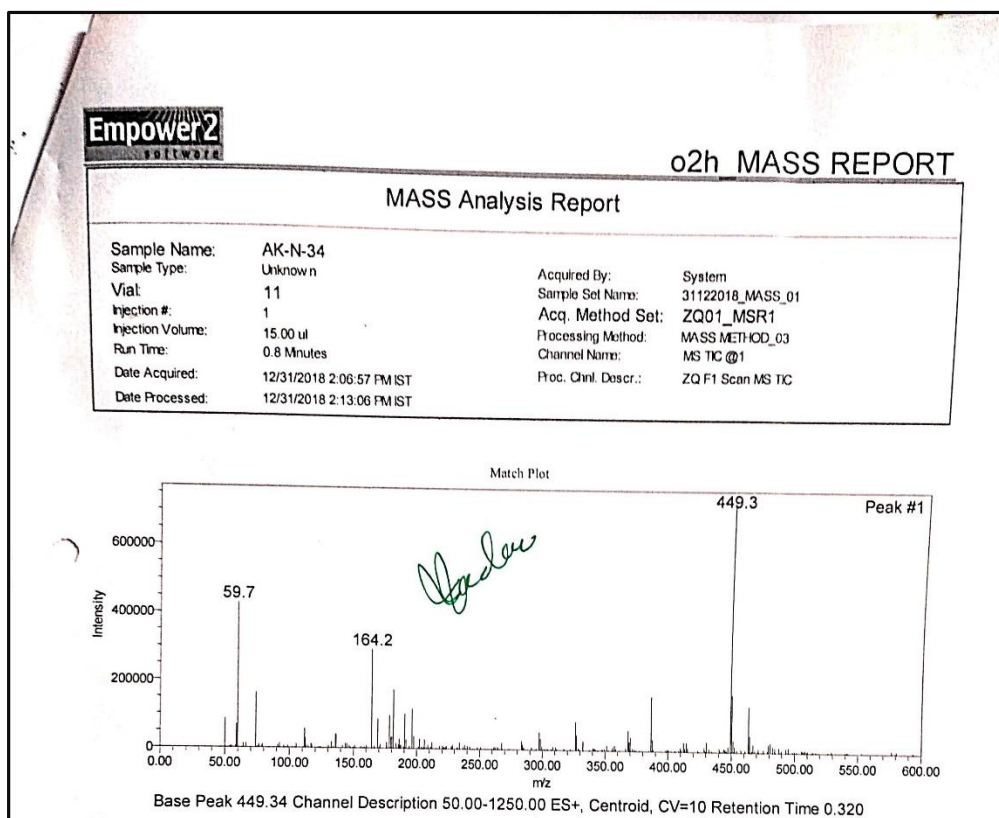
17. 2-((4-Fluorophenylamino)methyl)-N-(4-methylphenethyl)-3,4-dihydro-3,6-dimethyl-4-oxofuro[2,3-d]pyrimidine-5-carboxamide (261)

IR

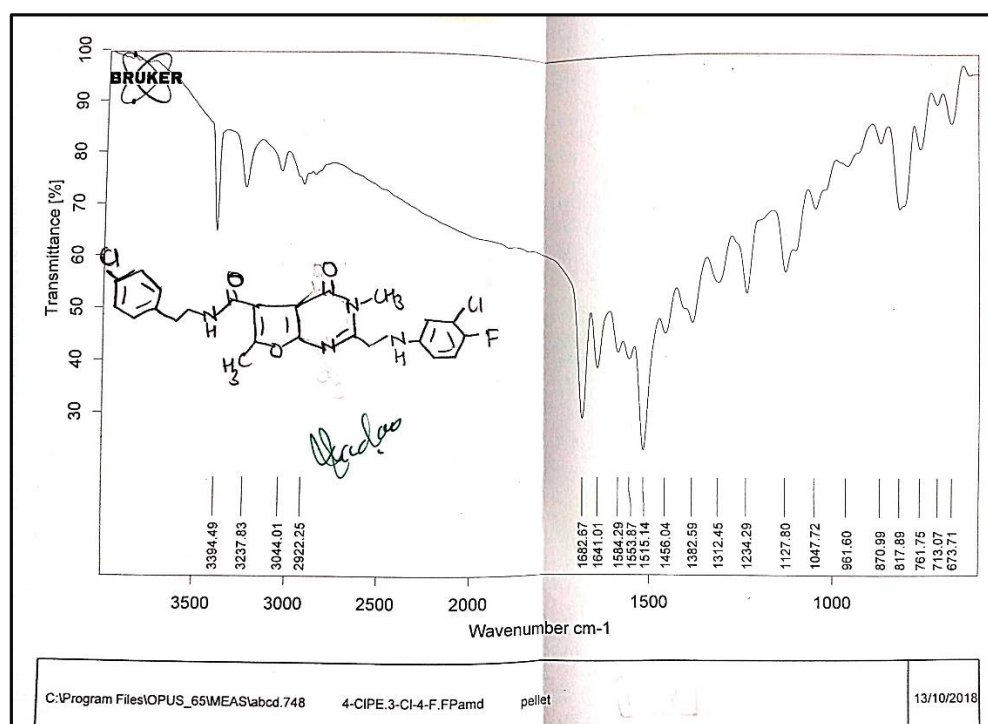


¹H-NMR

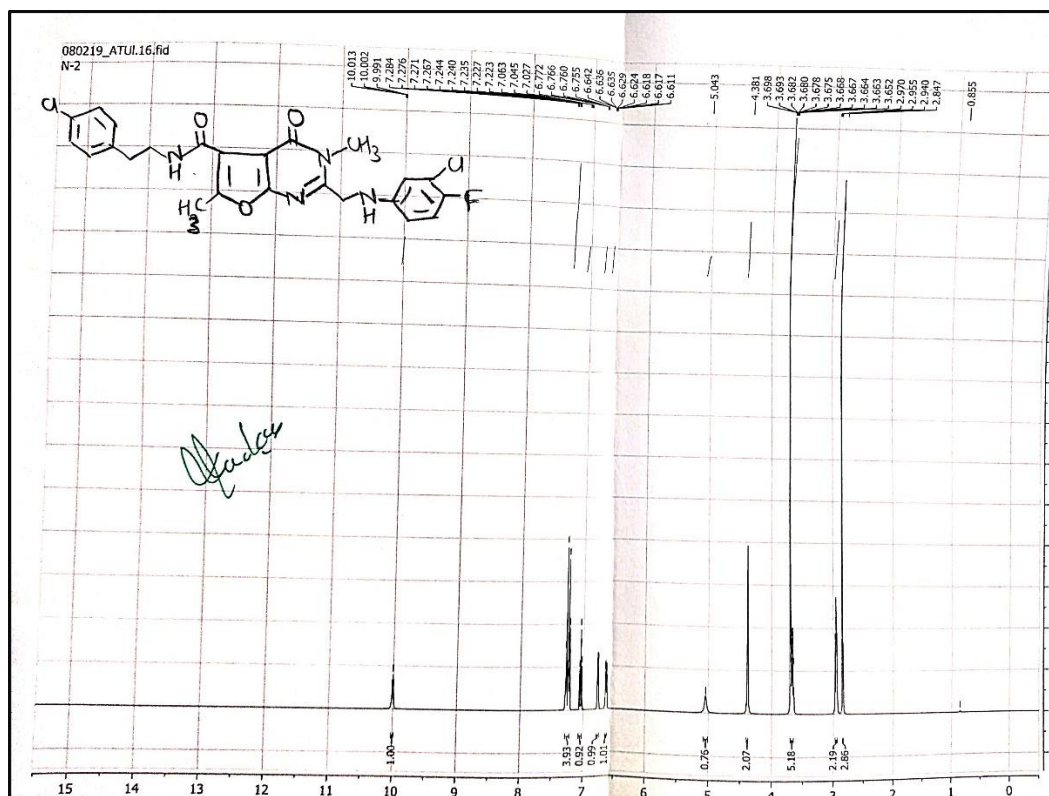


MASS

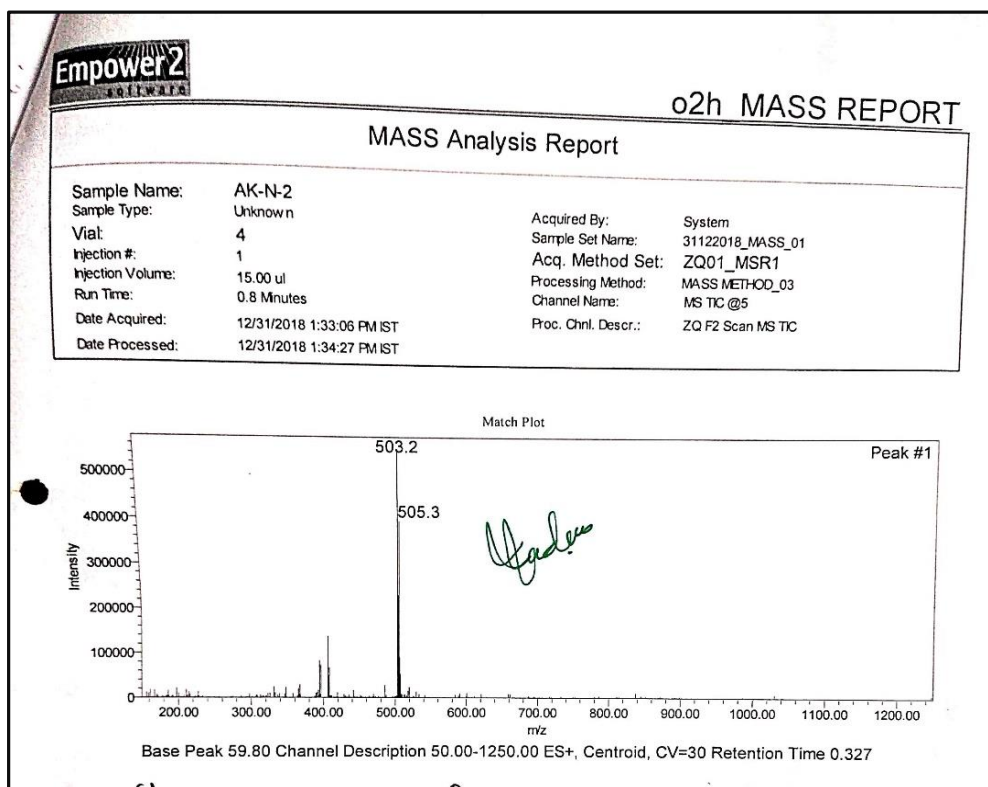
18. 2-((3-Chloro-4-fluorophenylamino)methyl)-N-(4-chlorophenethyl)-3,4-dihydro-3,6-dimethyl-4-oxofuro[2,3-d]pyrimidine-5-carboxamide (263)

IR

¹H-NMR

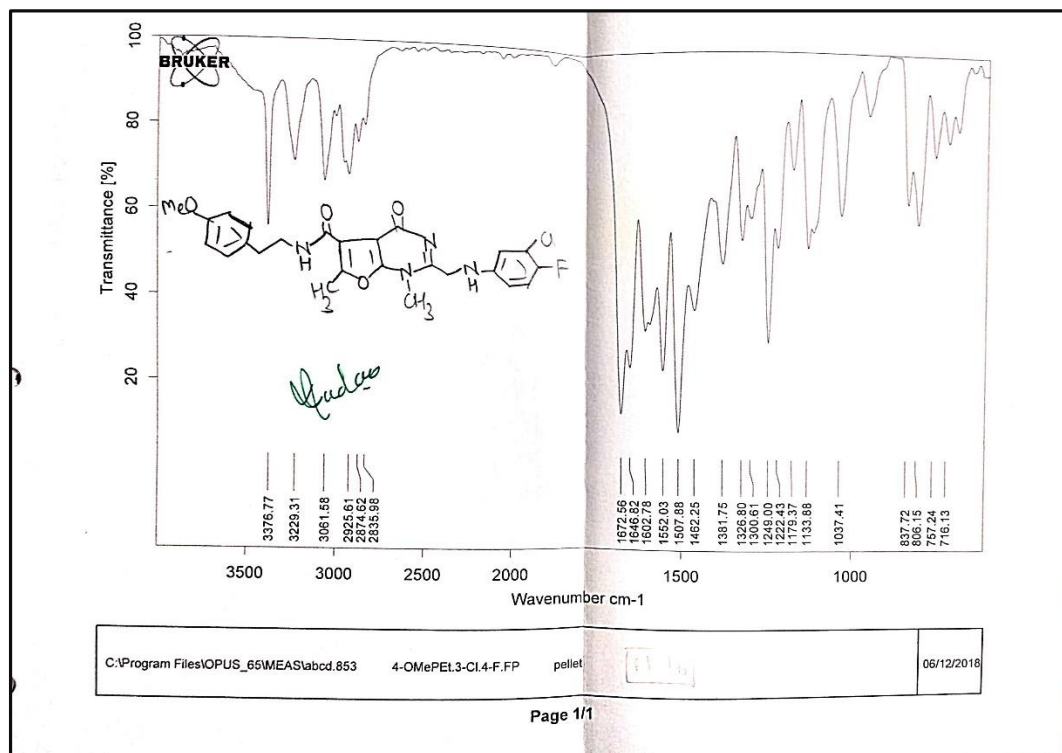


MASS

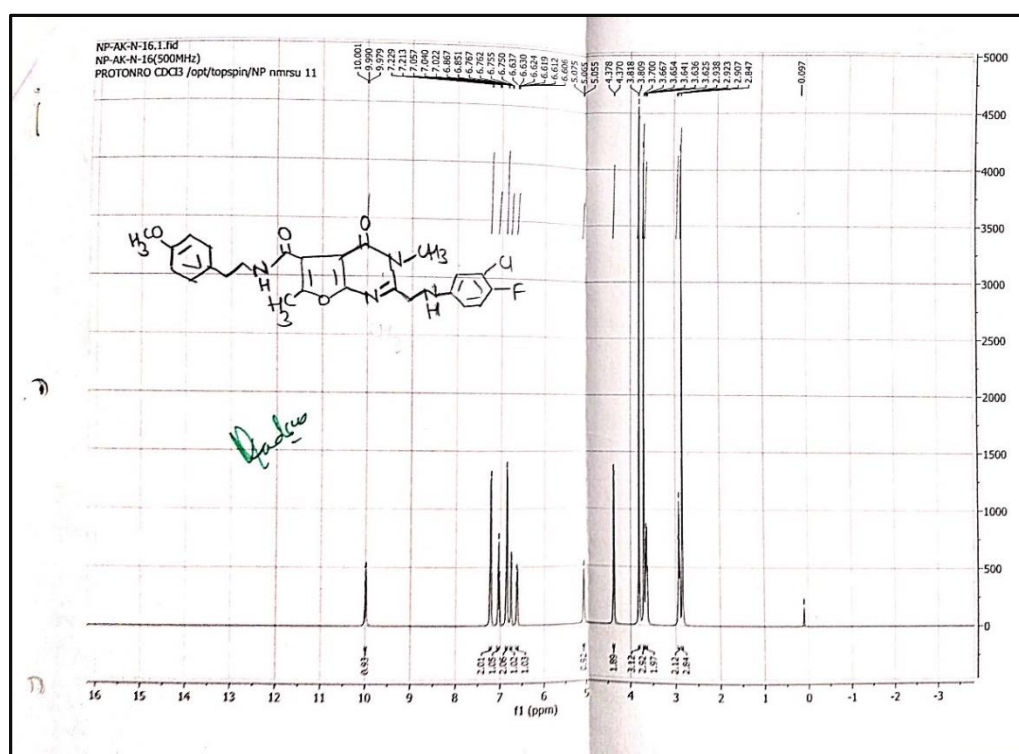


19. 2-((3-Chloro-4-fluorophenylamino)methyl)-N-(4-methoxyphenethyl)-3,4-dihydro-3,6-dimethyl-4-oxofuro[2,3-d]pyrimidine-5-carboxamide (265)

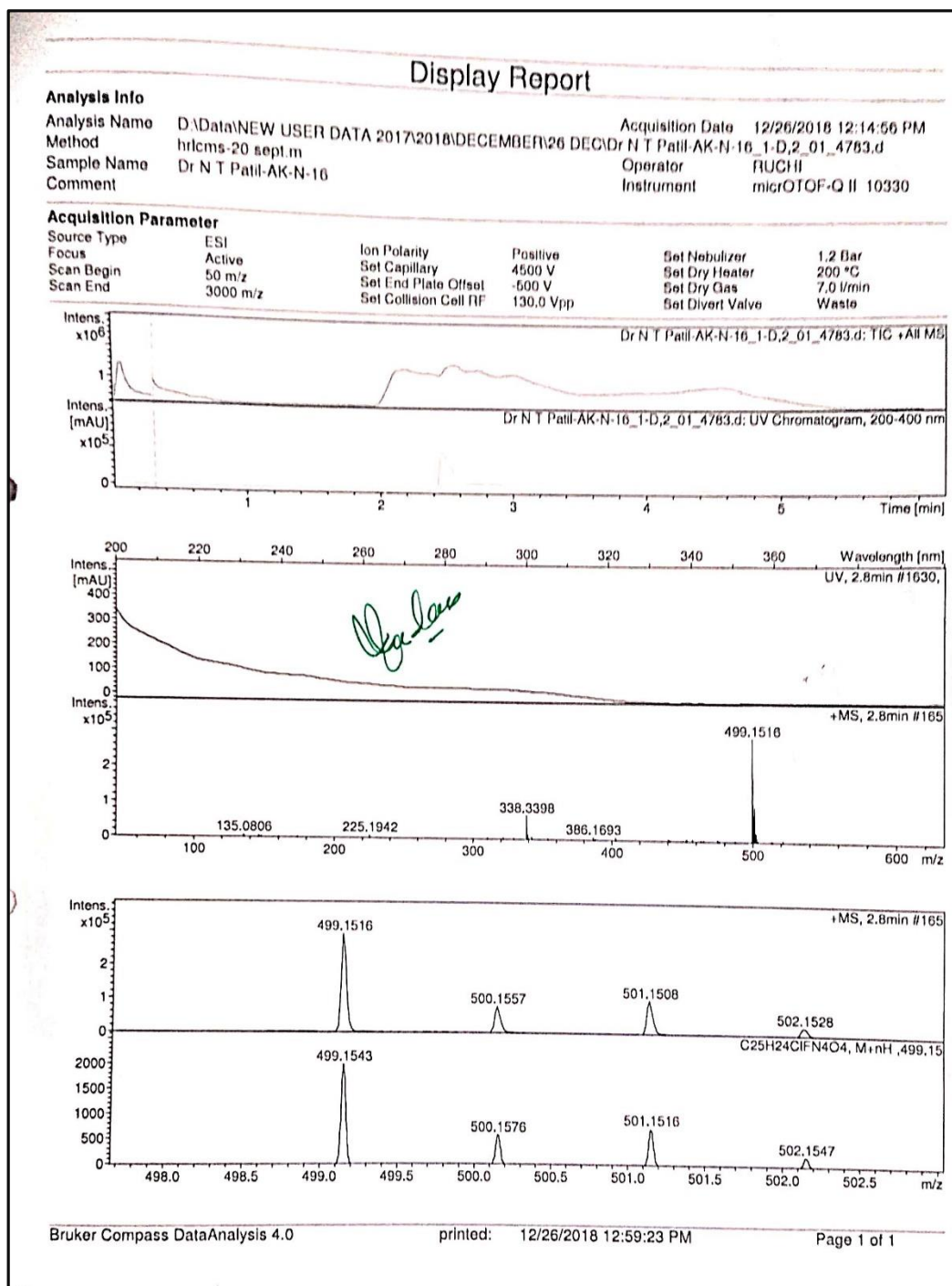
IR



¹H-NMR

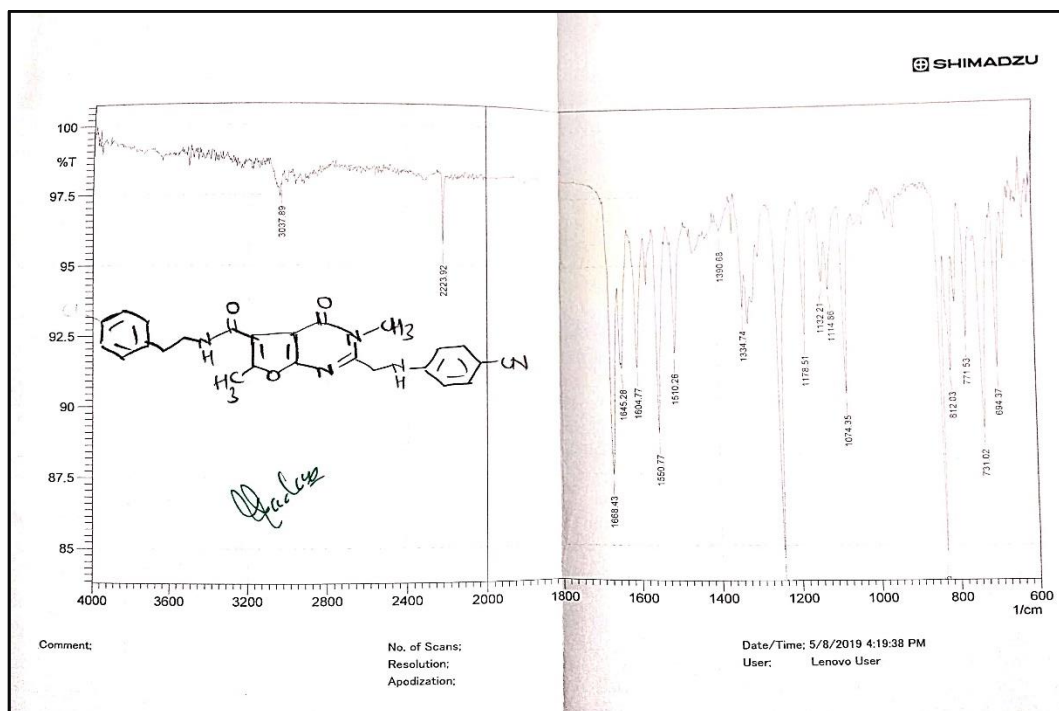


HRMS

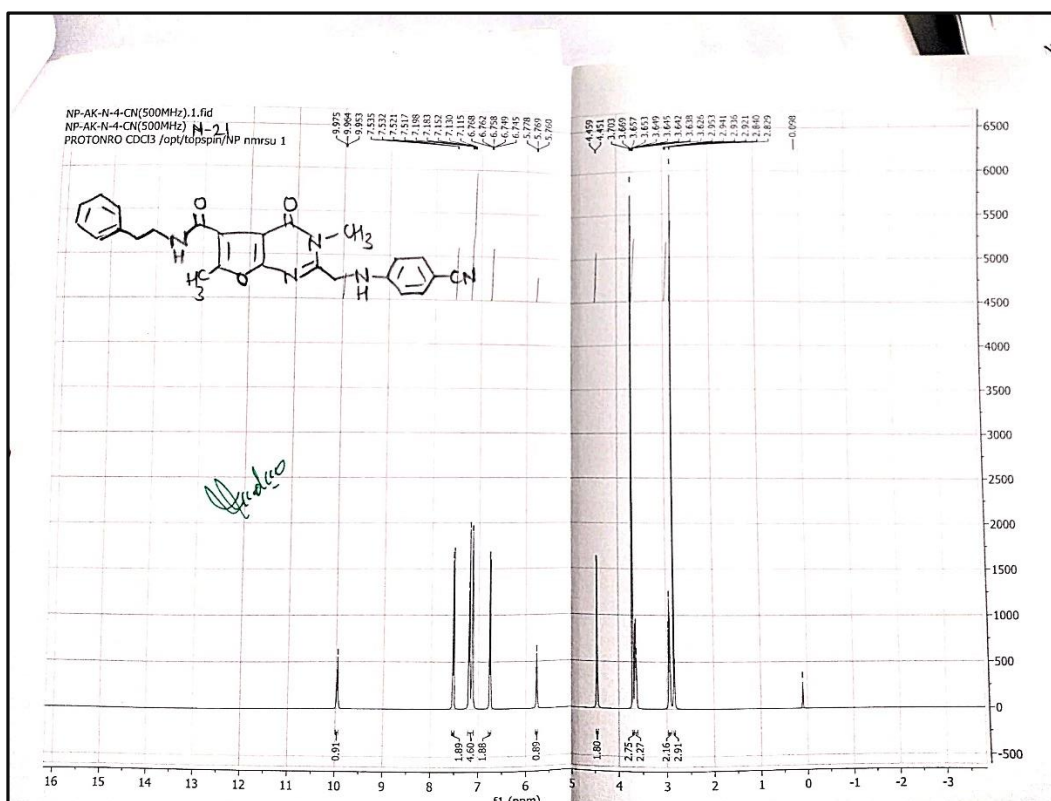


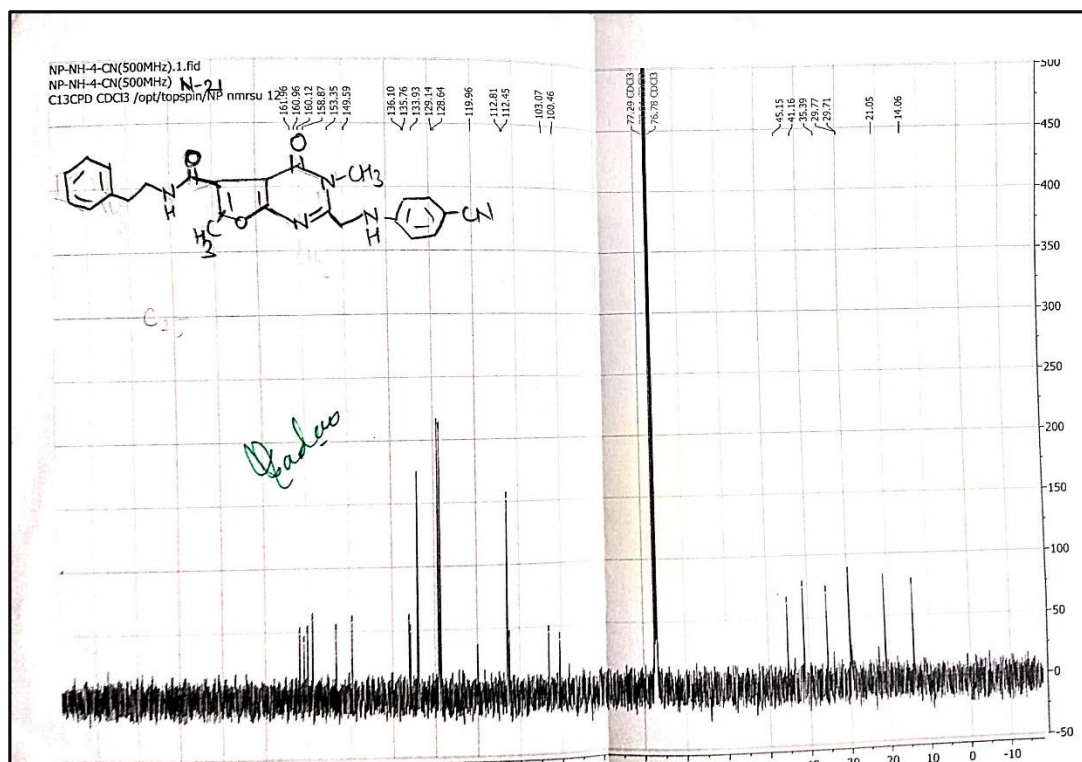
20. 2-((4-Cyanophenylamino)methyl)-3,4-dihydro-3,6-dimethyl-4-oxo-N-phenethylfuro[2,3-d]pyrimidine-5-carboxamide (267)

IR

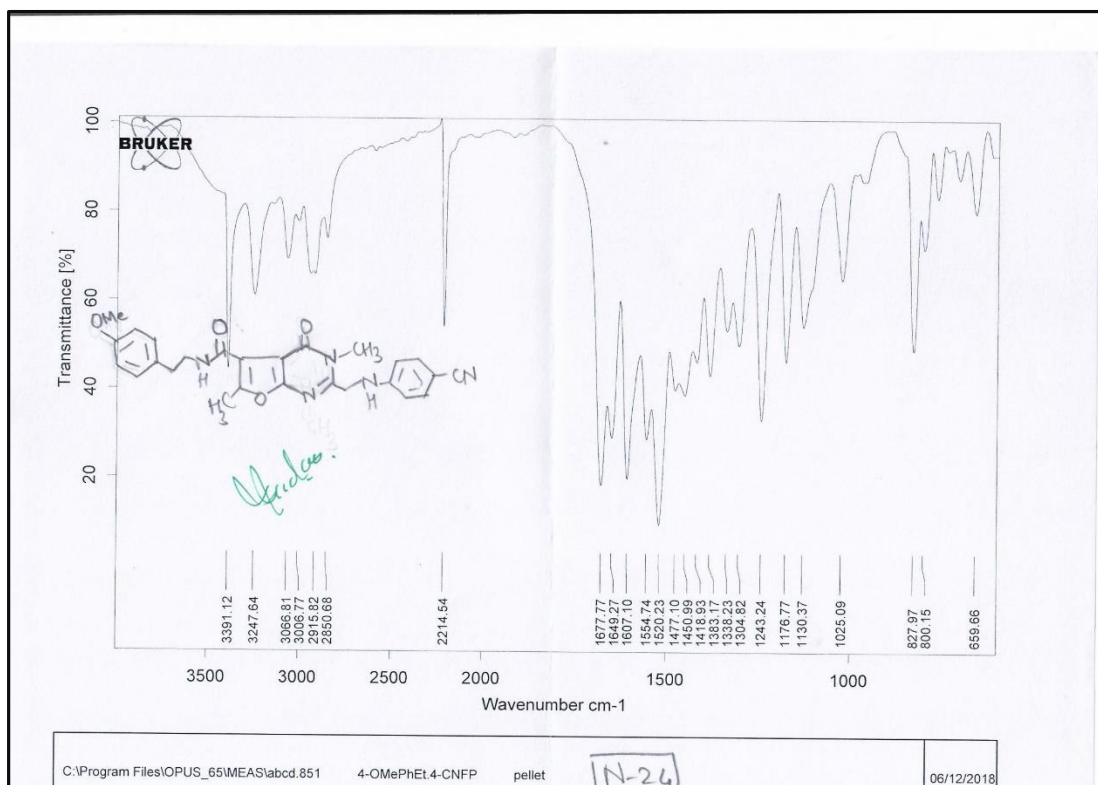


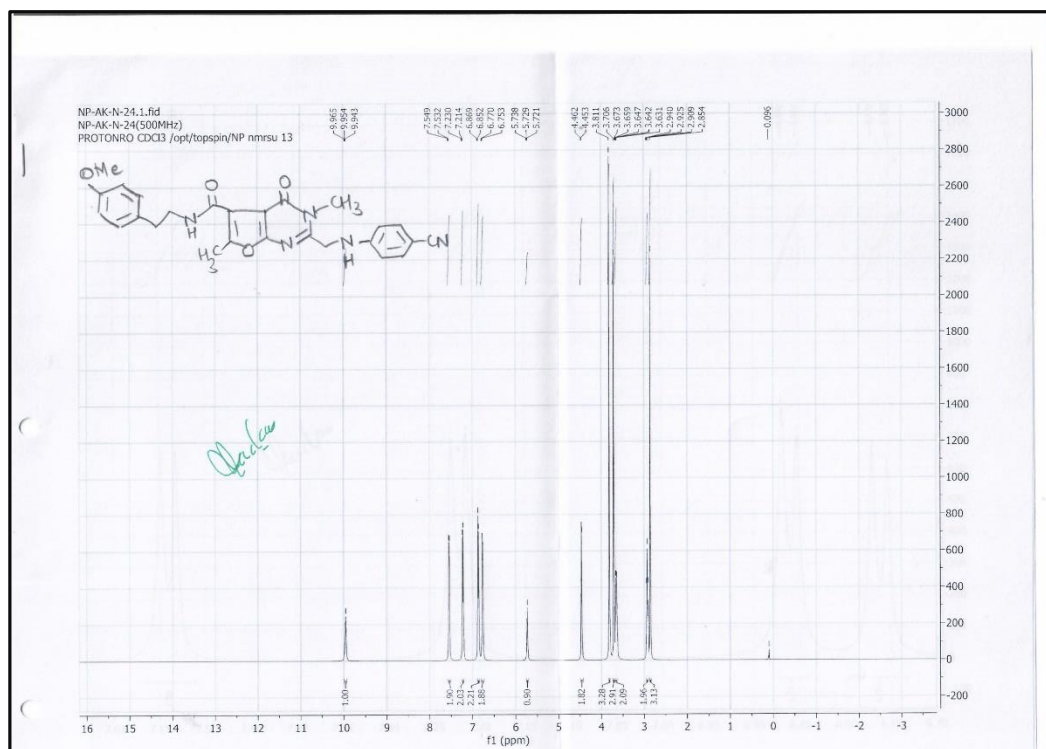
¹H-NMR

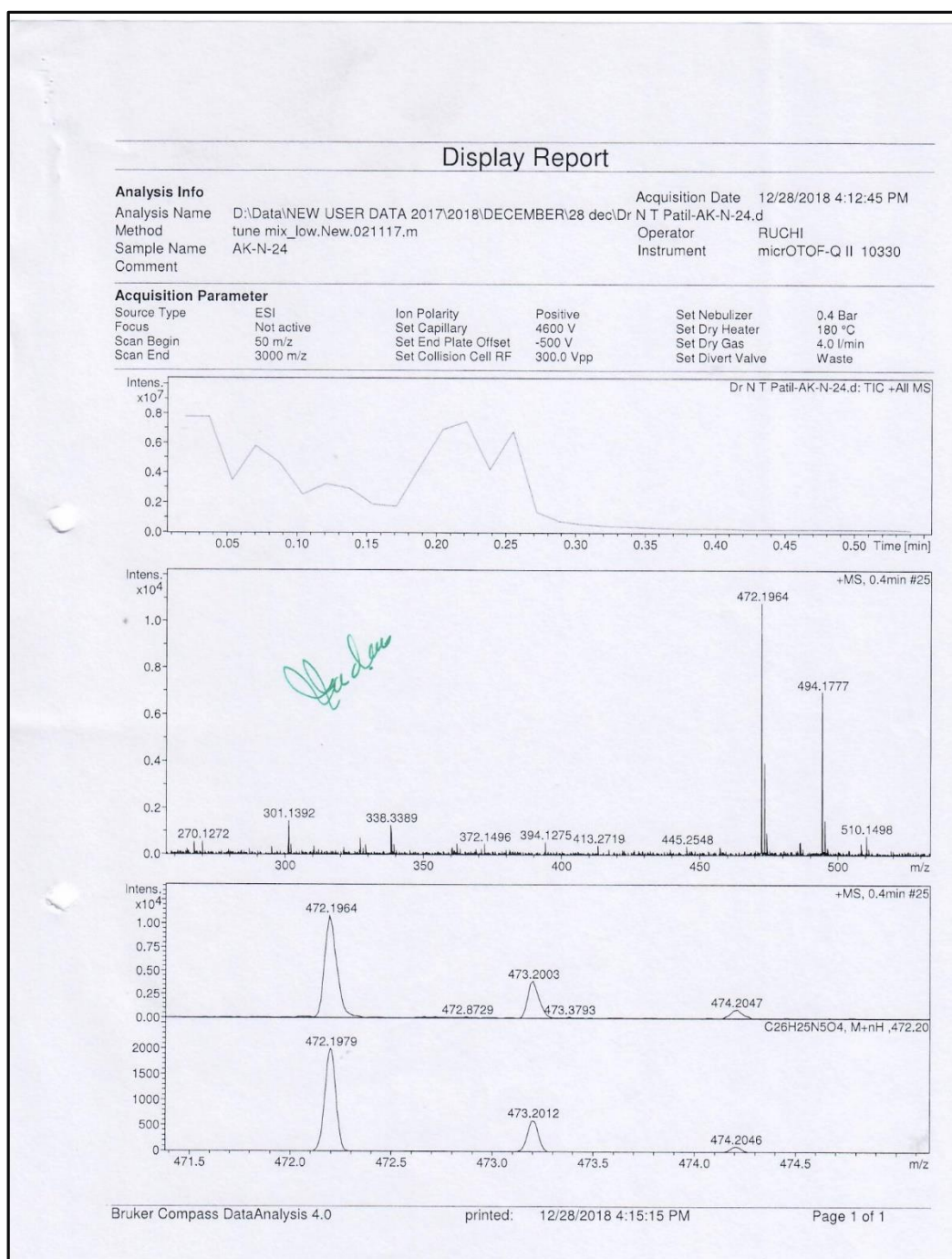


¹³C-NMR

21. 2-((4-Cyanophenylamino)methyl)-N-(4-methoxyphenethyl)-3,4-dihydro-3,6-dimethyl-4-oxofuro[2,3-d]pyrimidine-5-carboxamide (271)

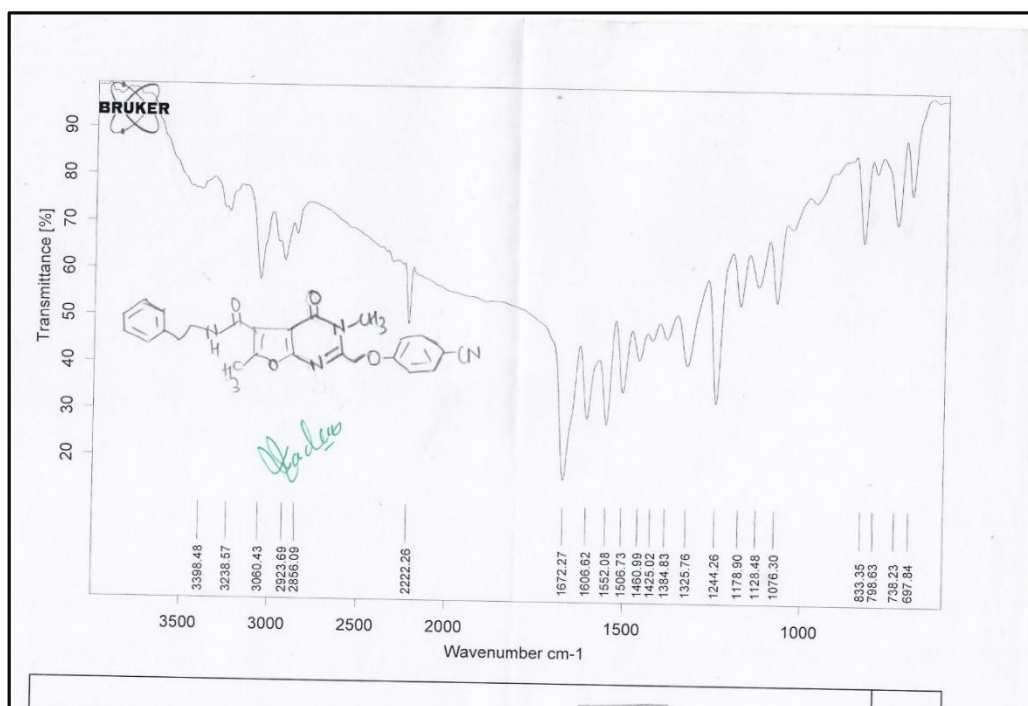
IR

¹H-NMR

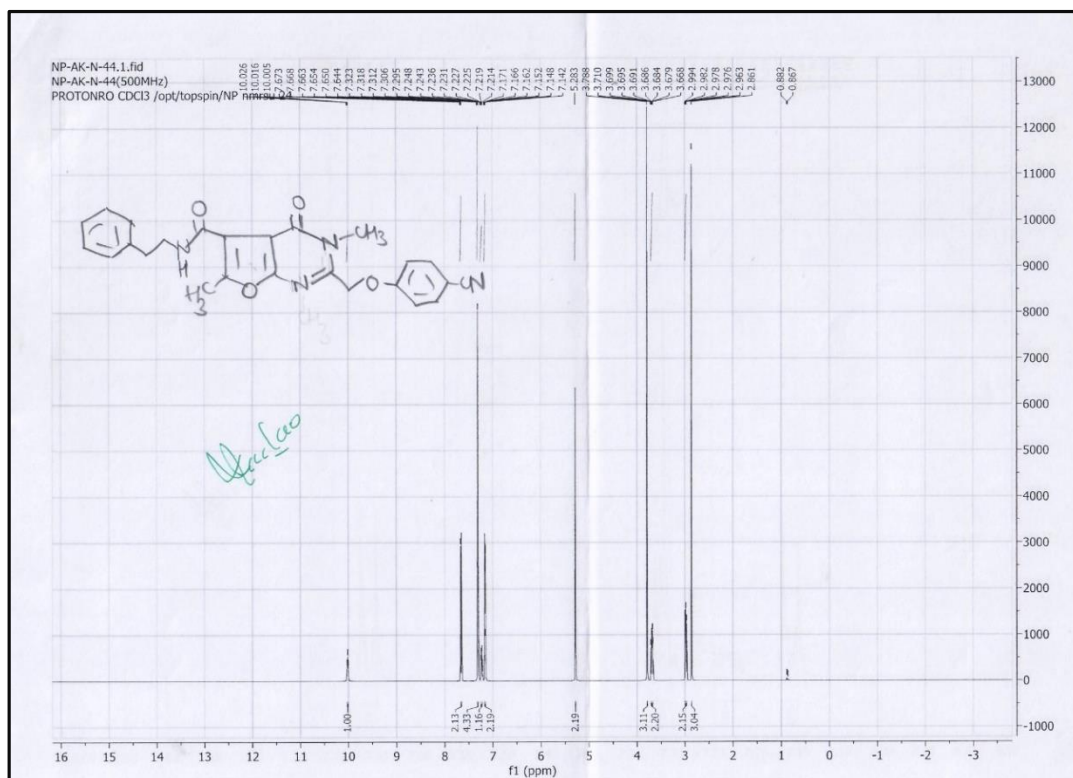


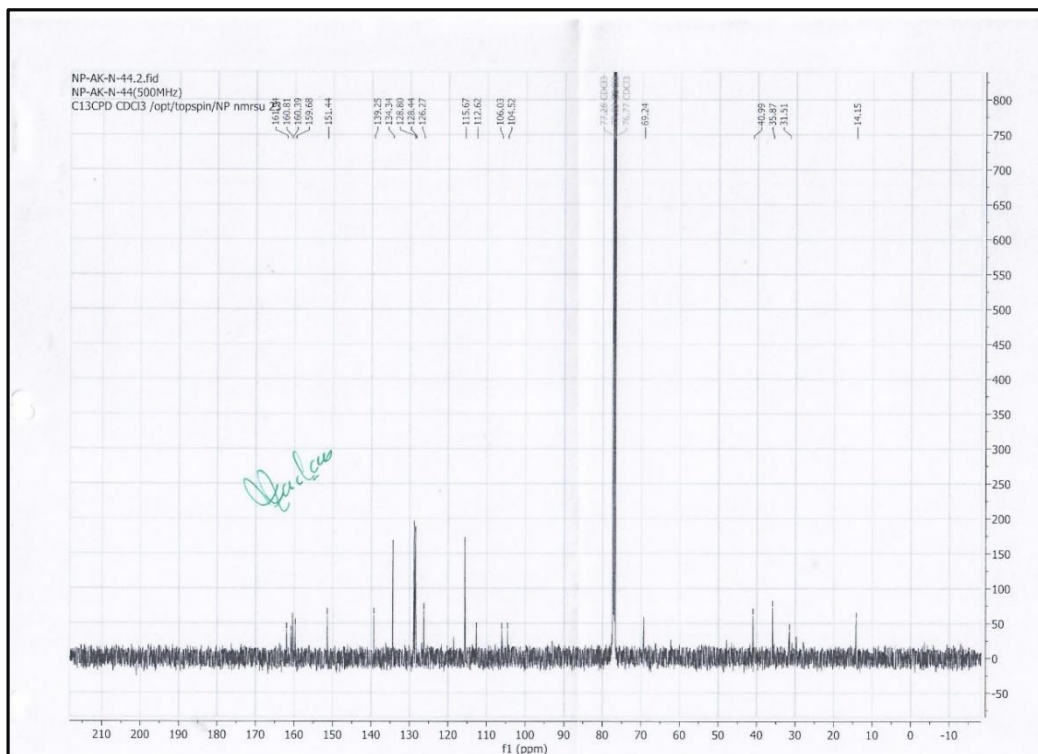
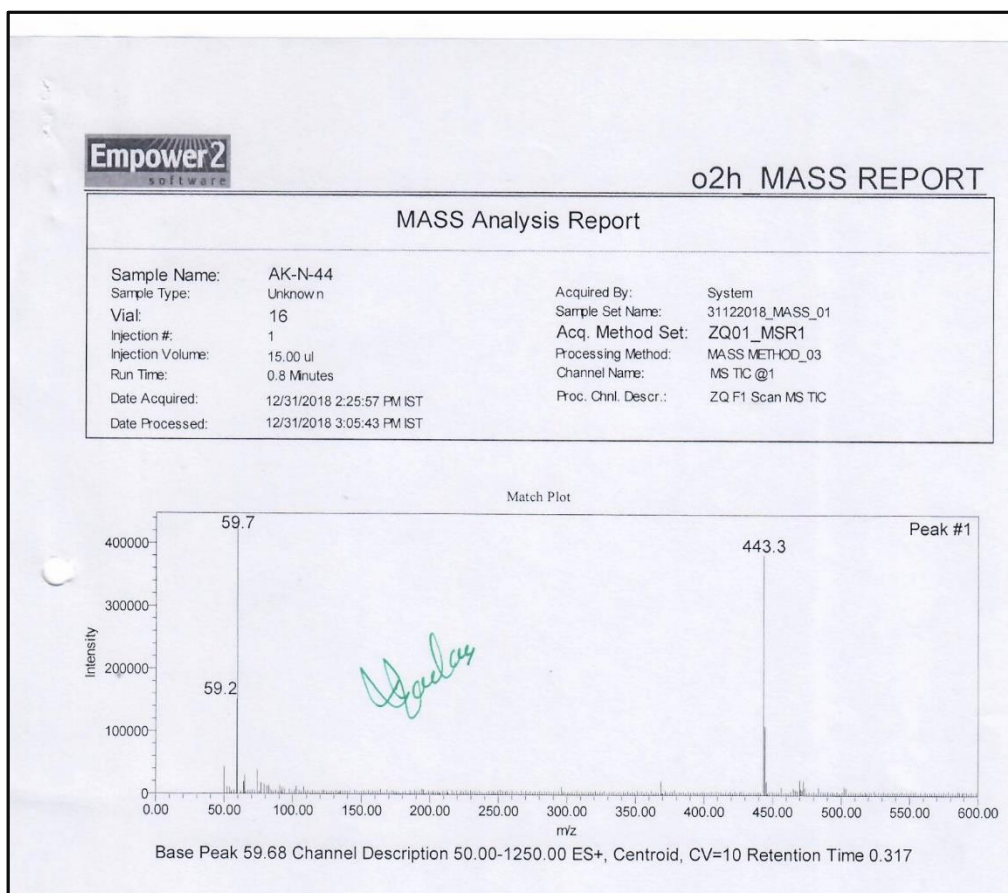
22. 2-((4-Cyanophenoxy)methyl)-3,4-dihydro-3,6-dimethyl-4-oxo-*N*-phenethyl-furo[2,3-*d*]pyrimidine-5-carboxamide (272)

IR

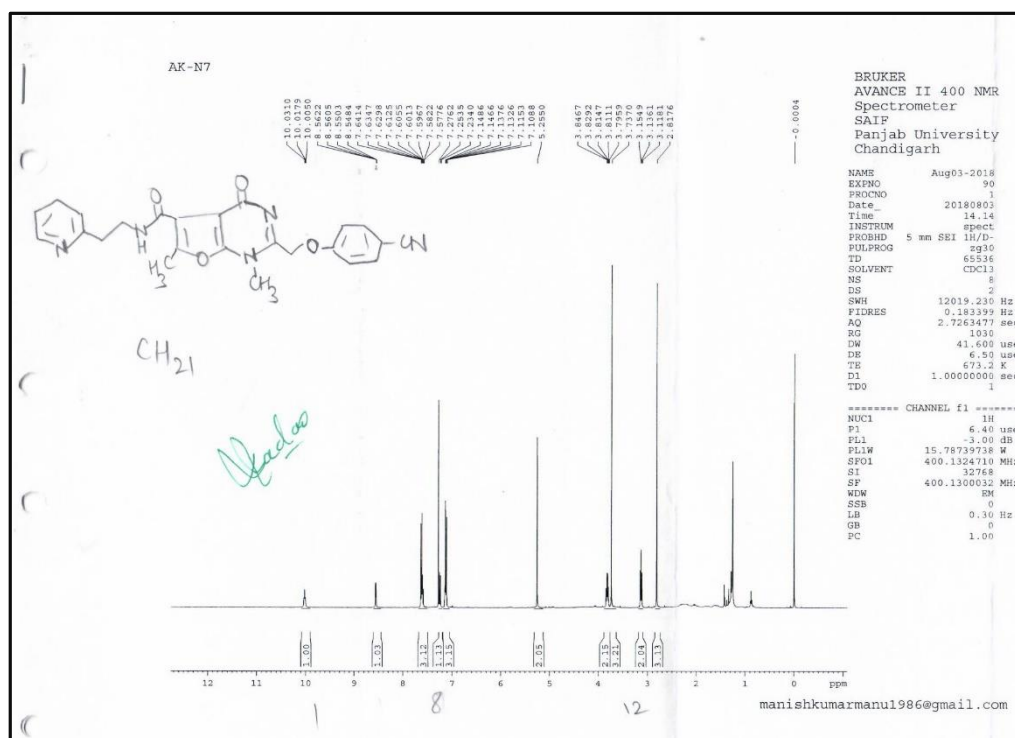
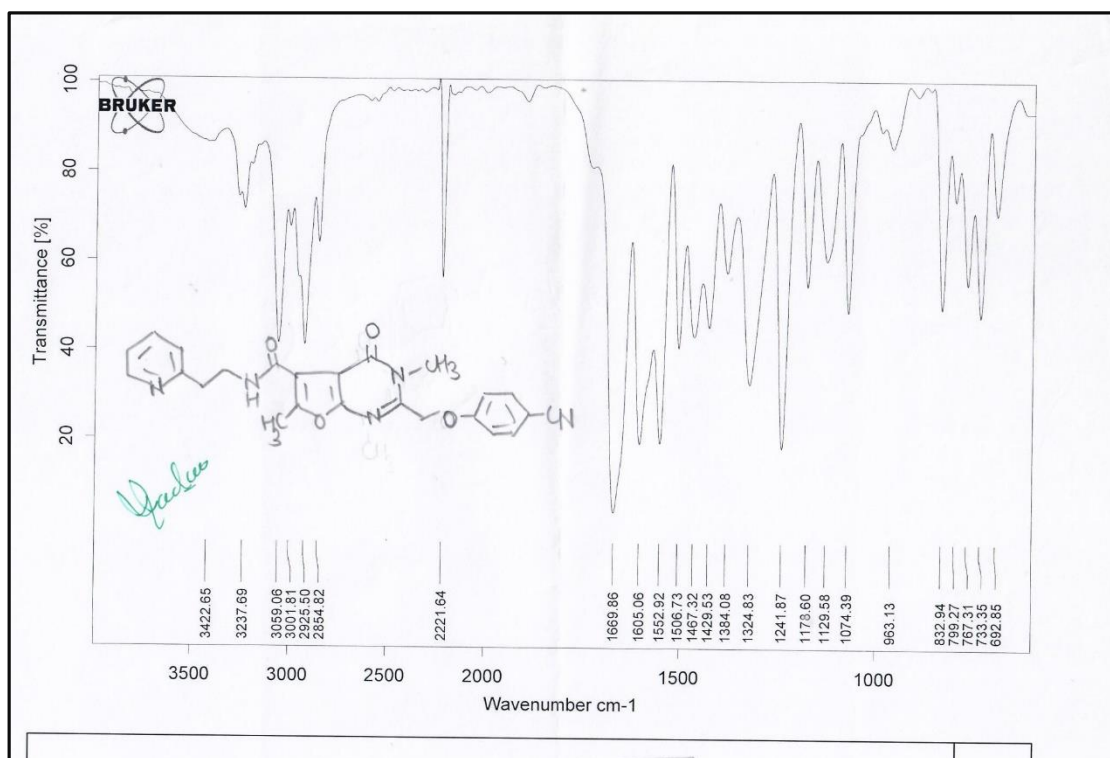


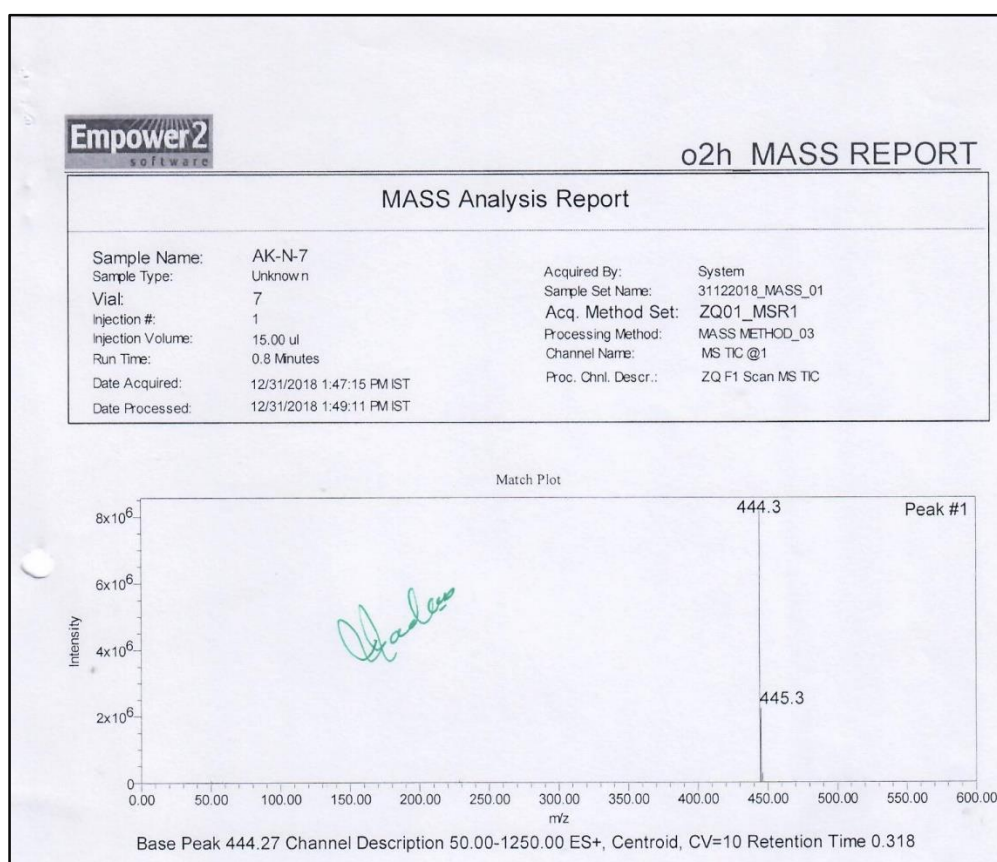
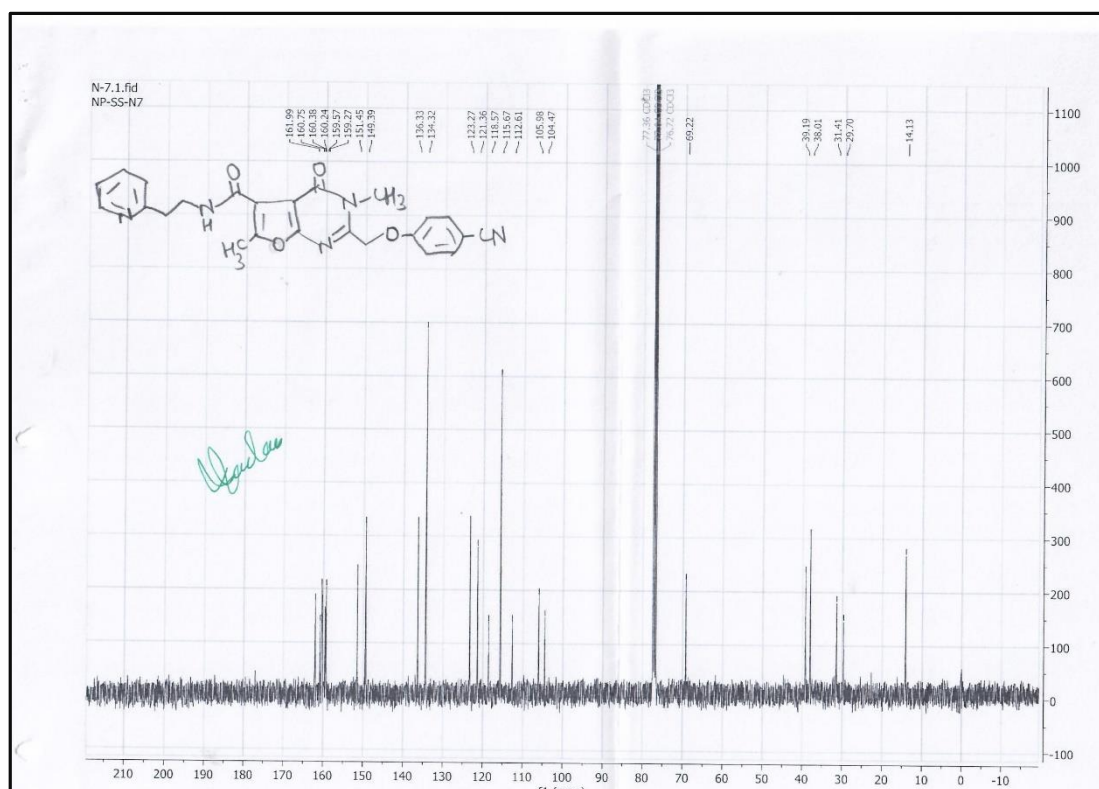
¹H-NMR



^{13}C -NMR**MASS**

23. 2-((4-Cyanophenoxy)methyl)-3,4-dihydro-3,6-dimethyl-4-oxo-N-(2-(pyridin-2-yl)ethyl)furo[2,3-d]pyrimidine-5-carboxamide (275)





MASS