

Supplementary file

Synthesis, crystal structure, and antiviral evaluation of new imidazopyridine-schiff base derivatives: *in vitro* and *in silico* anti-HIV studies

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**¹H-NMR , ¹³C-NMR and LC-MS(ESI⁺) of
(E)-6-chloro-N-(4-nitrobenzylidene)-2-phenylimidazo[1,2-a]pyridin-3-amine (4a)**

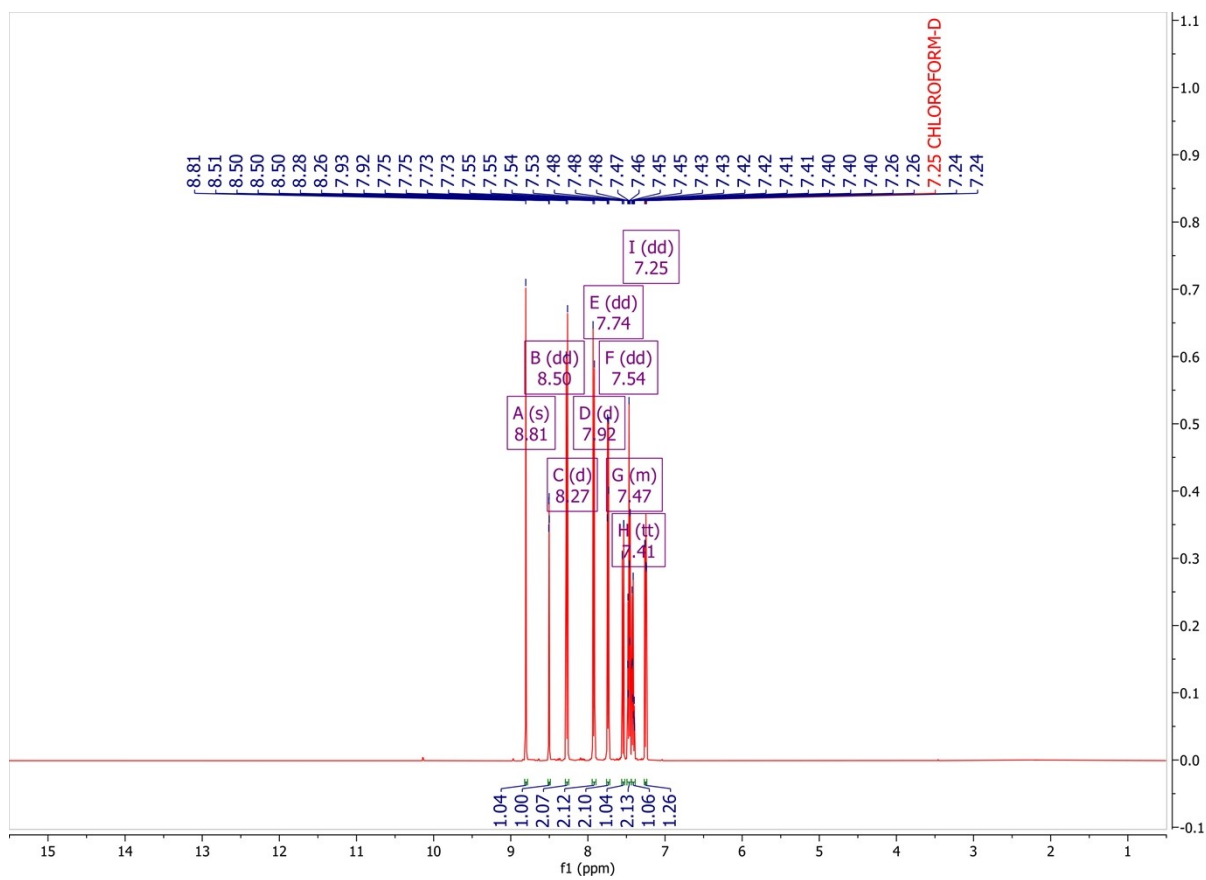
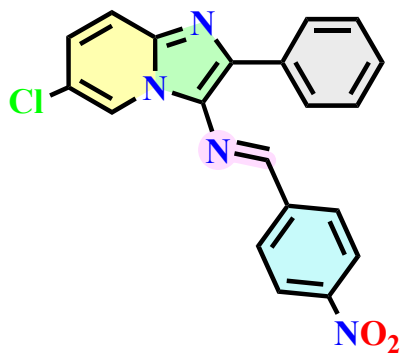


Figure S1. ¹H NMR spectra of (4a)

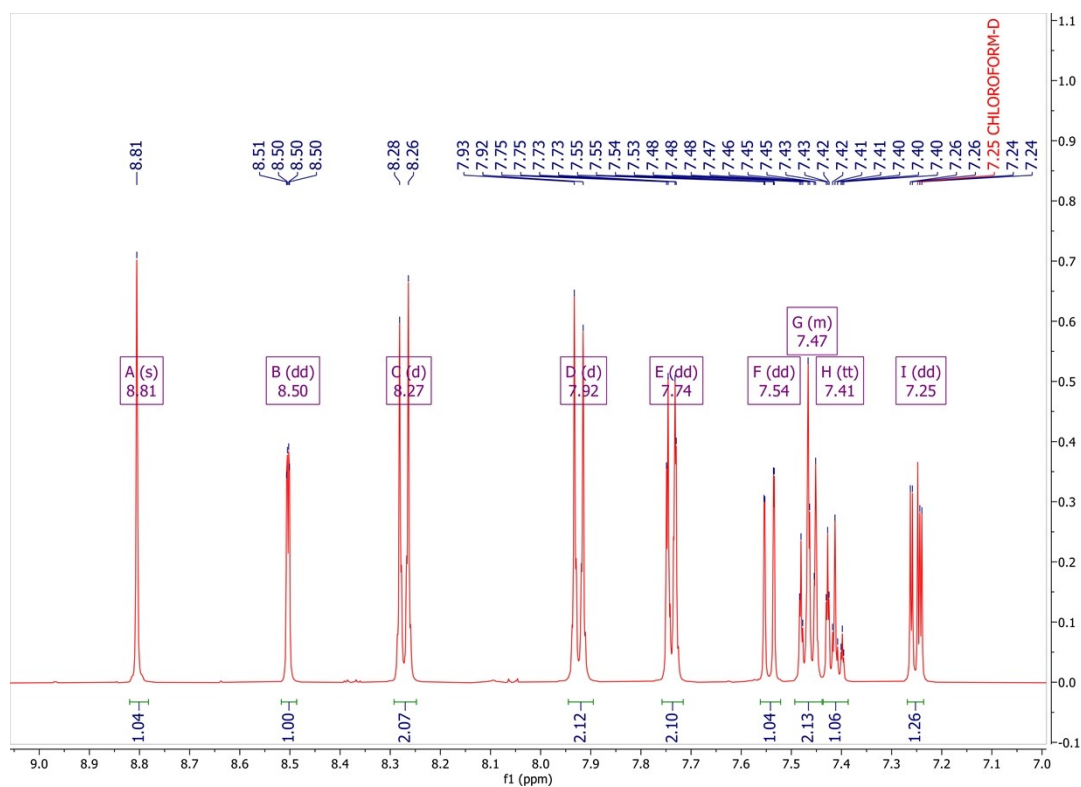


Figure S2. ^1H NMR spectra (9-7 ppm) of (4a)

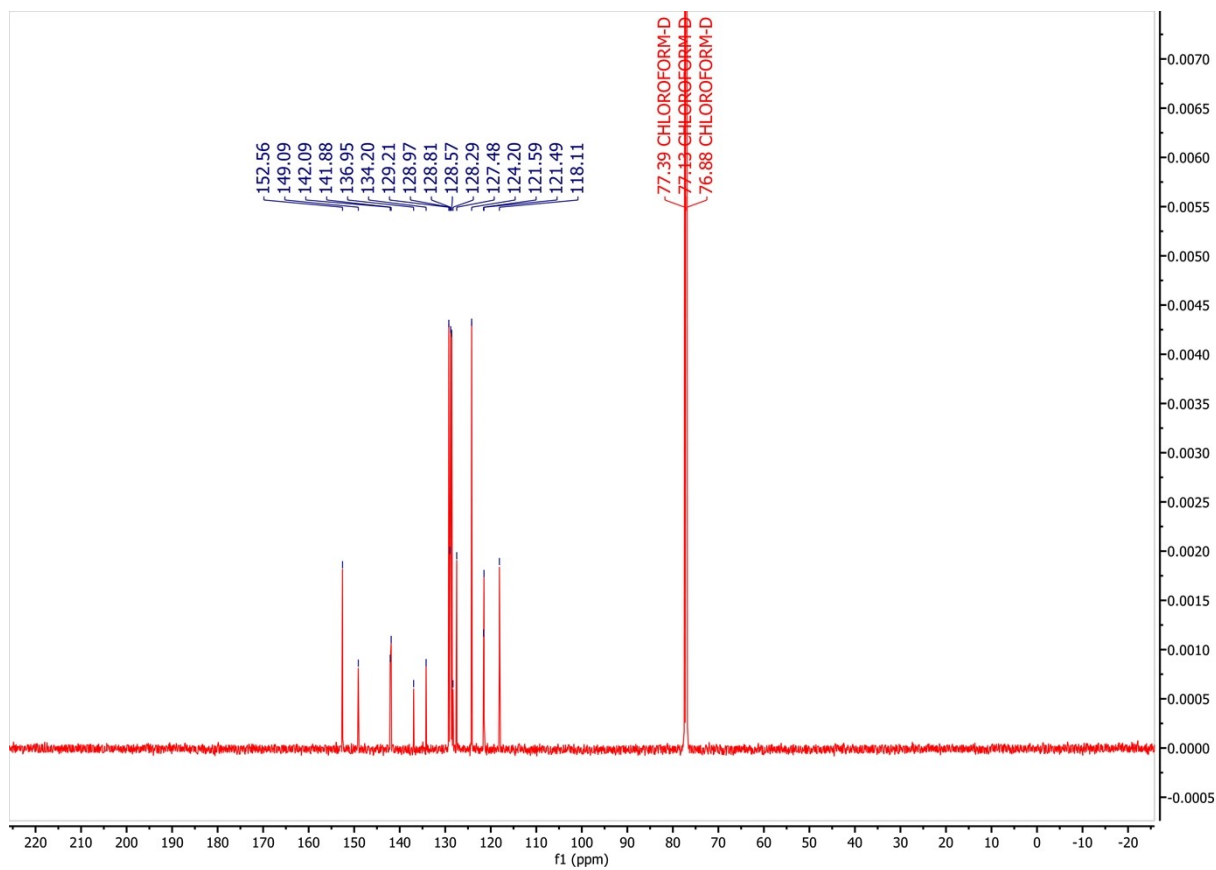


Figure S3. ^{13}C NMR spectra of (4a)

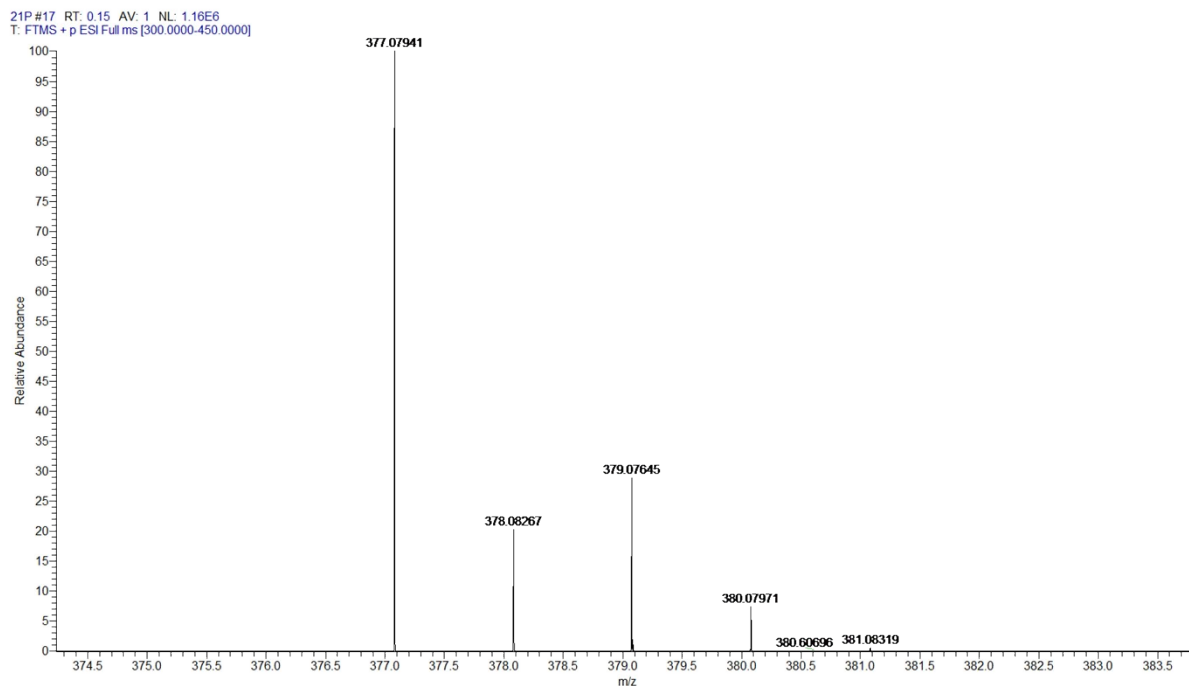
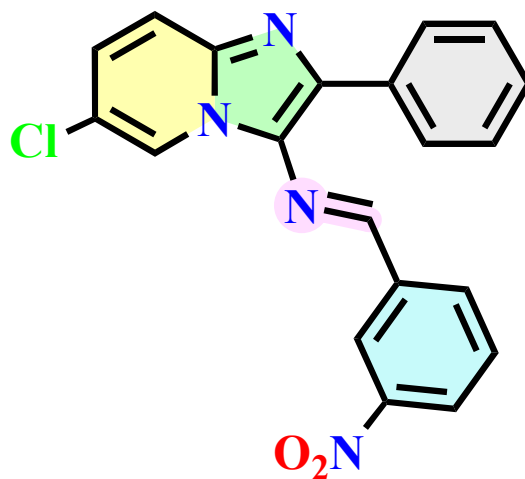


Figure S4. ESI⁺-MS spectra of (4a)

¹H-NMR , ¹³C-NMR and LC-MS(ESI⁺) of
(E)-6-chloro-N-(3-nitrobenzylidene)-2-phenylimidazo[1,2-a]pyridin-3-amine (4b)



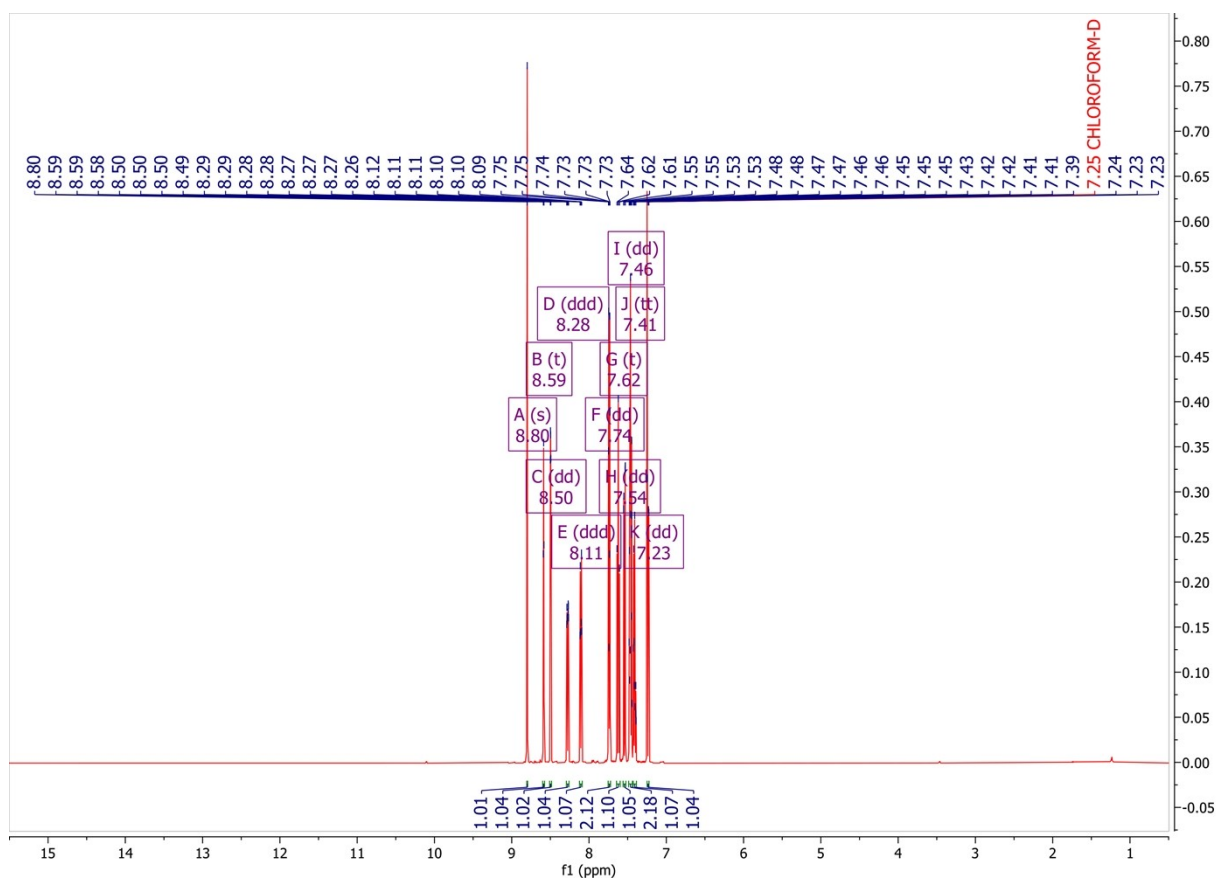


Figure S5. ^1H NMR spectra of (4b)

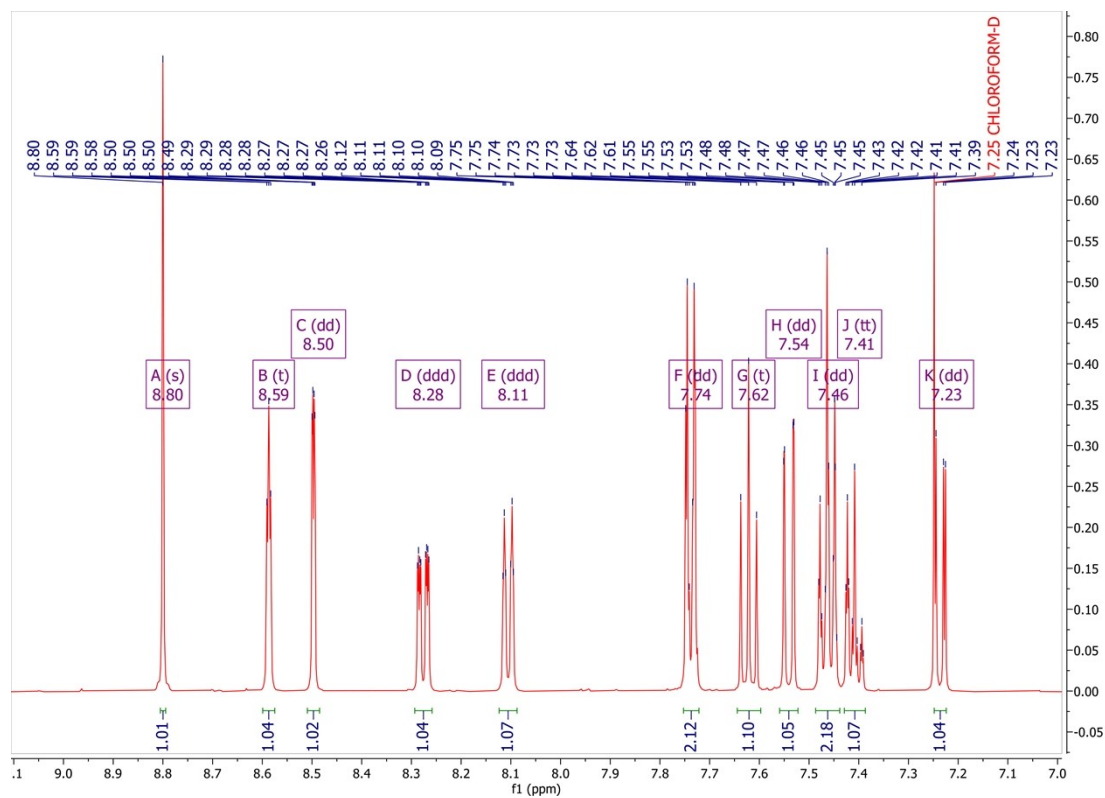


Figure S6. ^1H NMR spectra (9-7 ppm) of (4b)

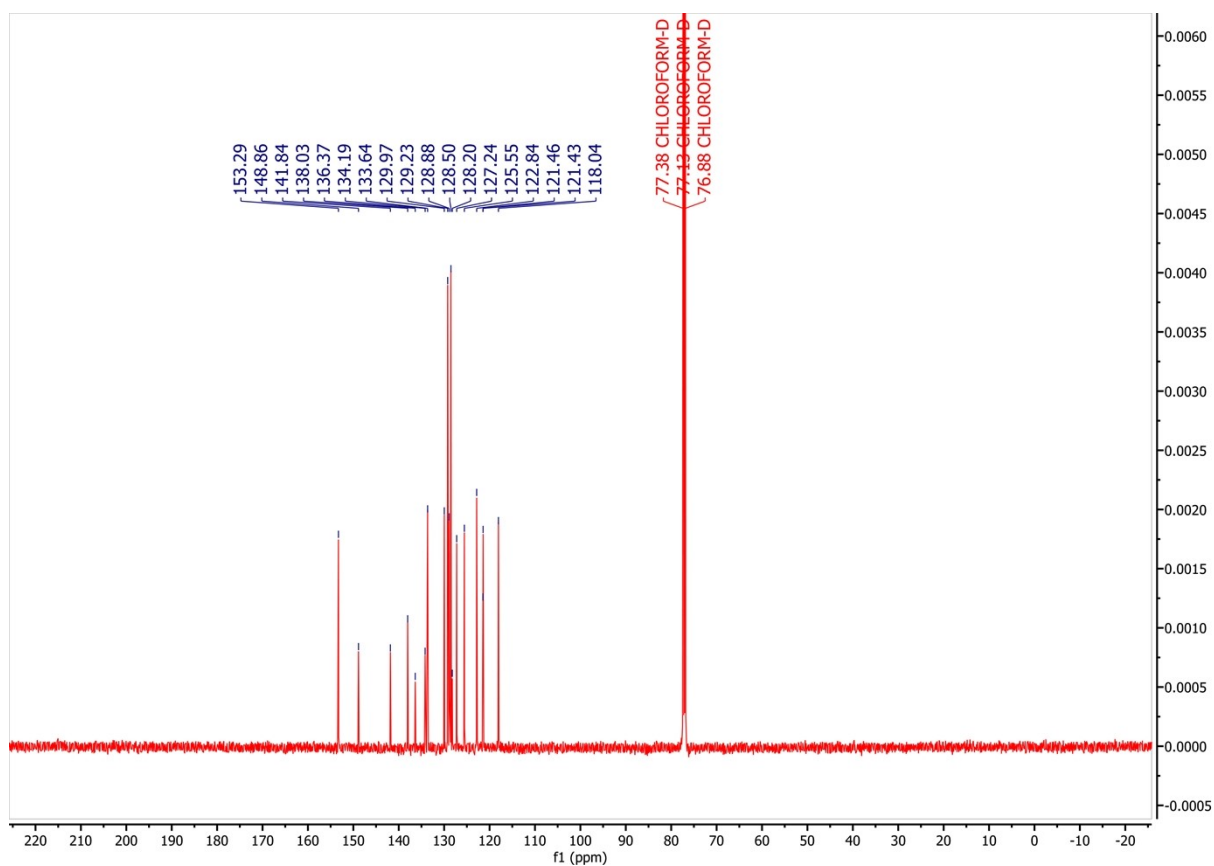


Figure S7. ¹³C NMR spectra of **(4b)**

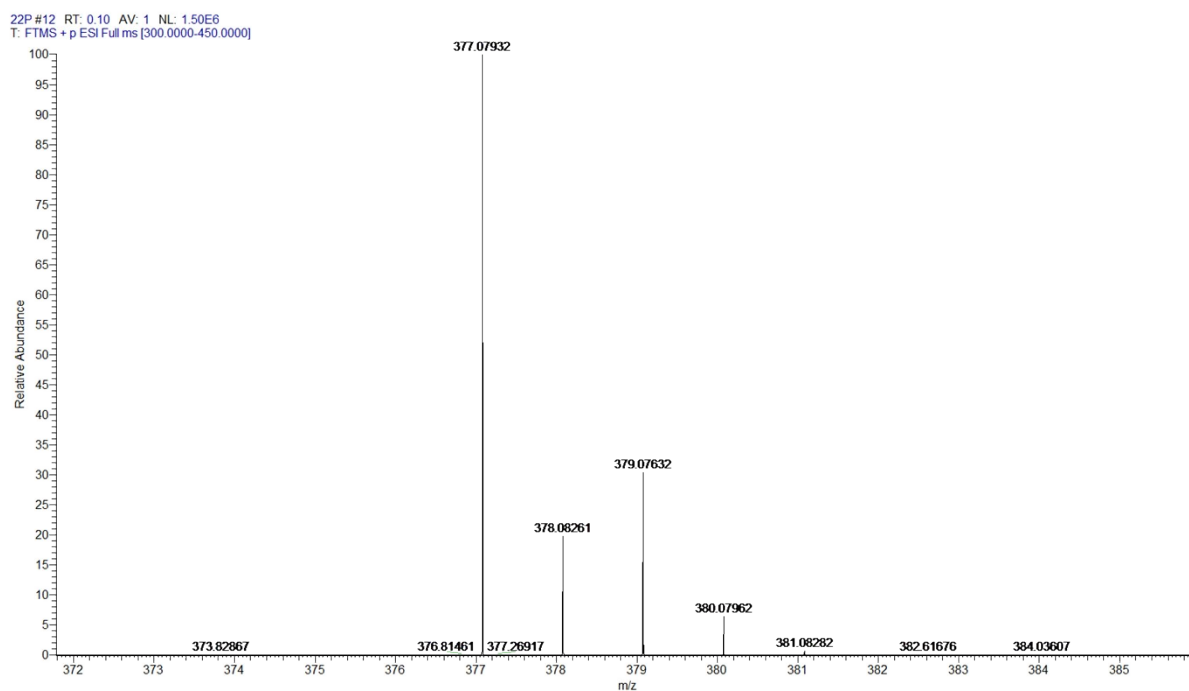


Figure S8. ESI⁺-MS spectra of **(4b)**

**¹H-NMR , ¹³C-NMR and LC-MS(ESI⁺) of
(E)-6-chloro-N-(2-nitrobenzylidene)-2-phenylimidazo[1,2-a]pyridin-3-amine (4c)**

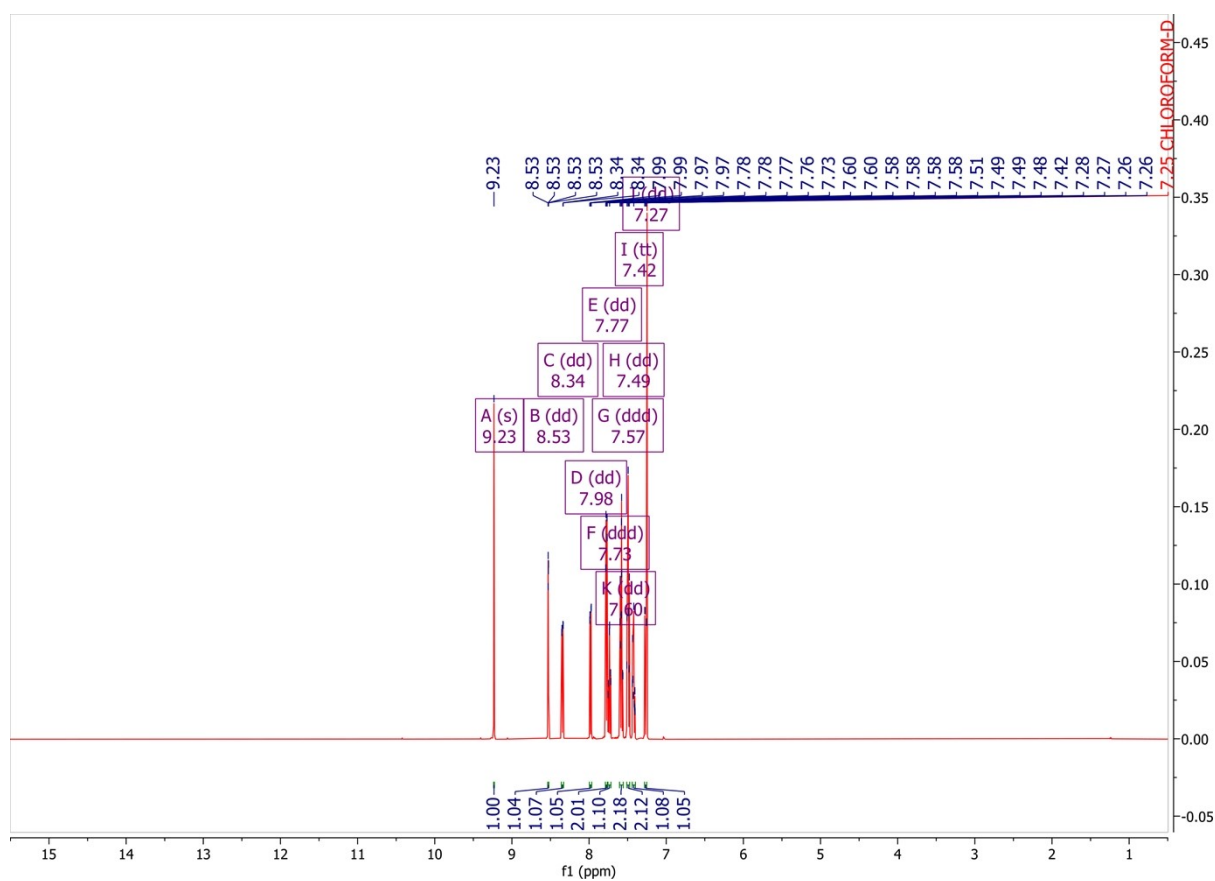
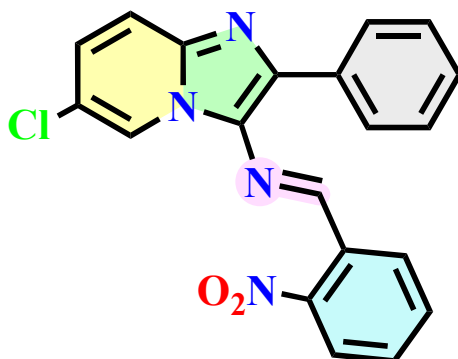


Figure S9. ¹H NMR spectra of (4c)



Figure S10. ^1H NMR spectra (9-7 ppm) of (**4c**)

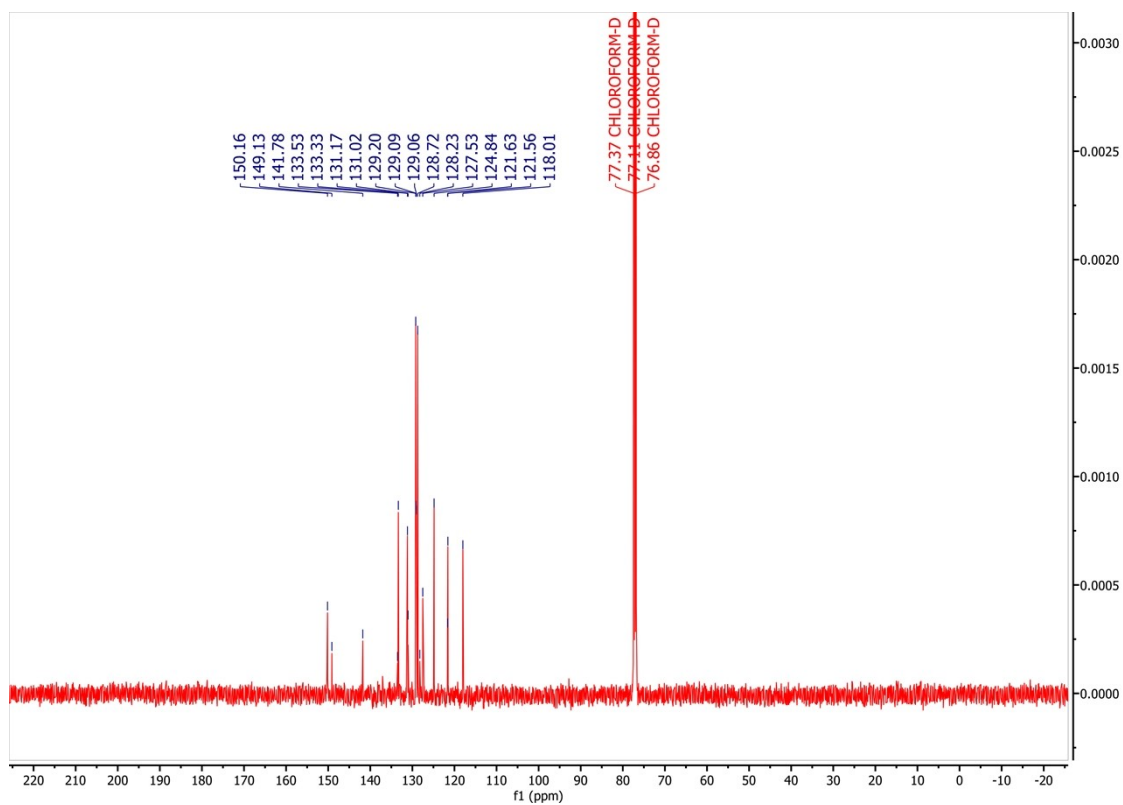


Figure S11. ^{13}C NMR spectra of (**4c**)

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T: FTMS + p ESI Full ms [300.0000-450.0000]

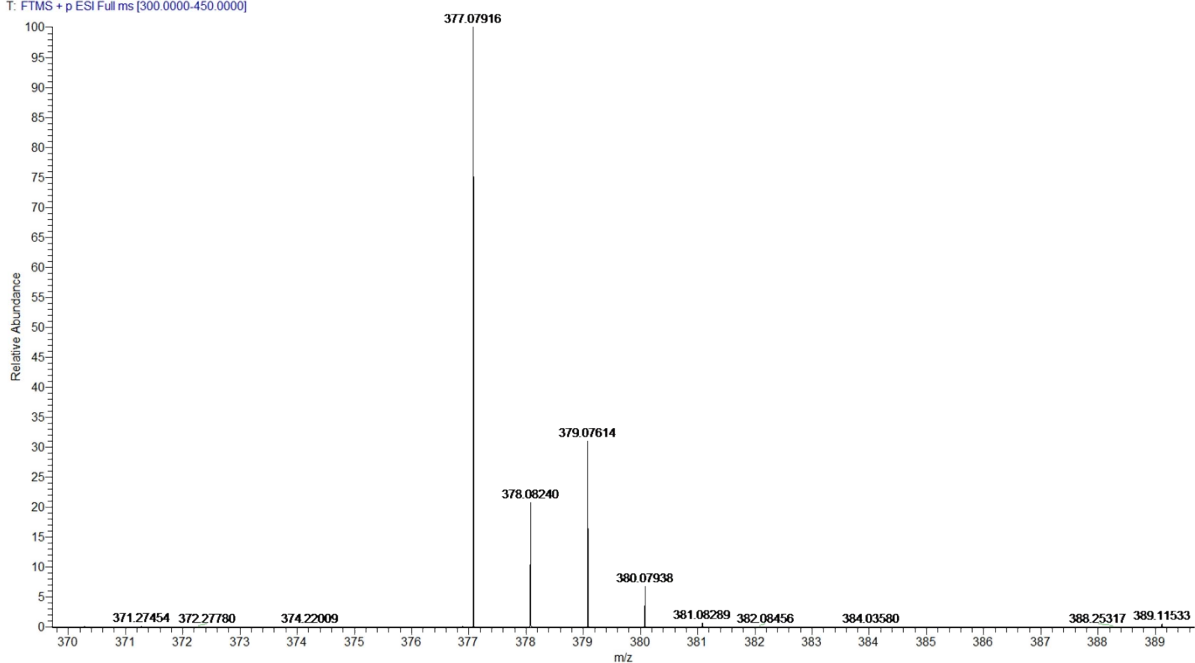
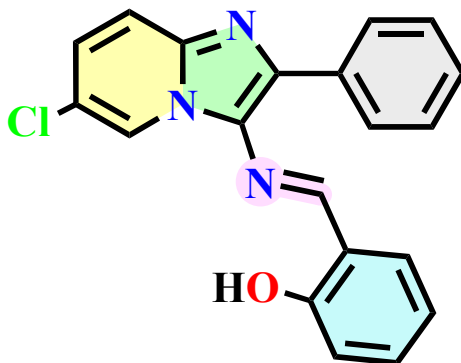


Figure S12. ESI⁺-MS spectra of (4c)

**¹H-NMR , ¹³C-NMR and LC-MS(ESI⁺) of
(E)-2-(((6-chloro-2-phenylimidazo[1,2-a]pyridin-3-yl)imino)methyl)phenol (4d)**



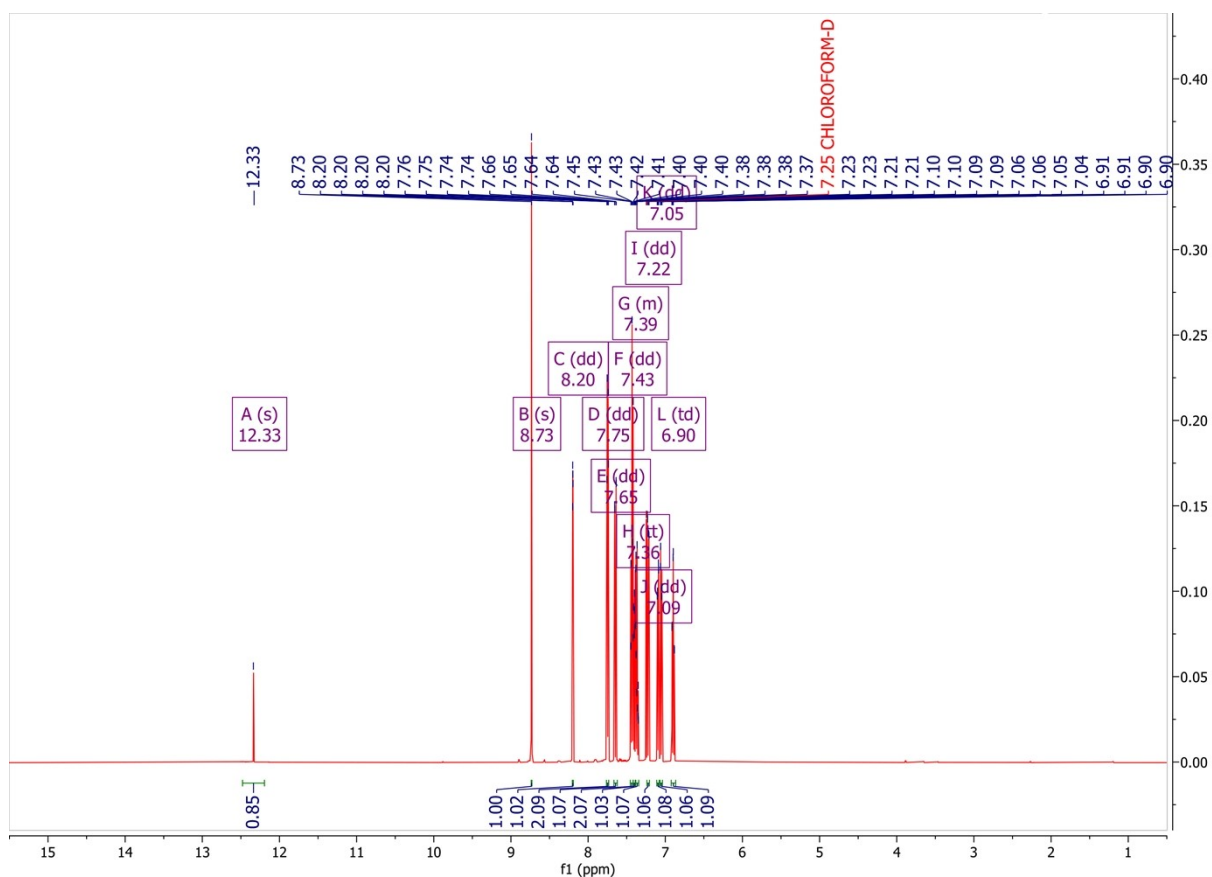


Figure S13. ^1H NMR spectra of **(4d)**

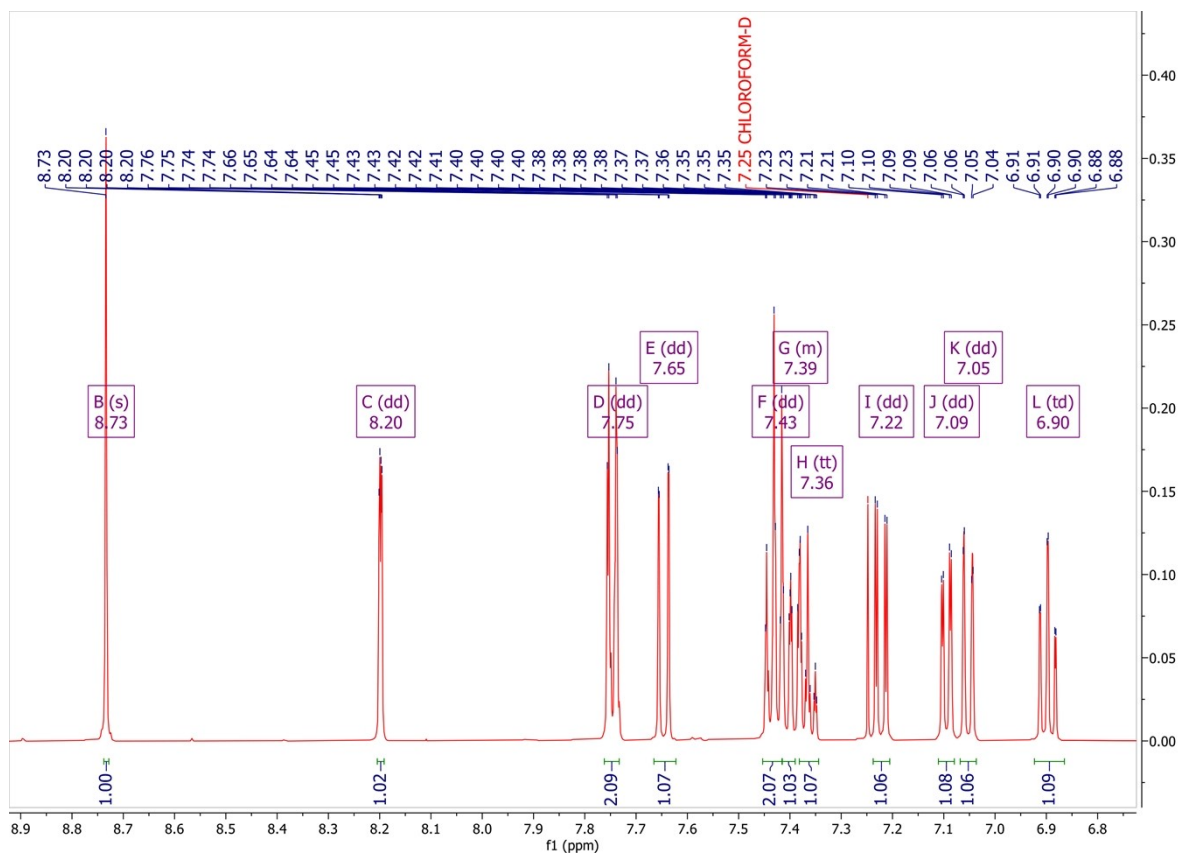


Figure S14. ^1H NMR spectra (9-7 ppm) of (**4d**)

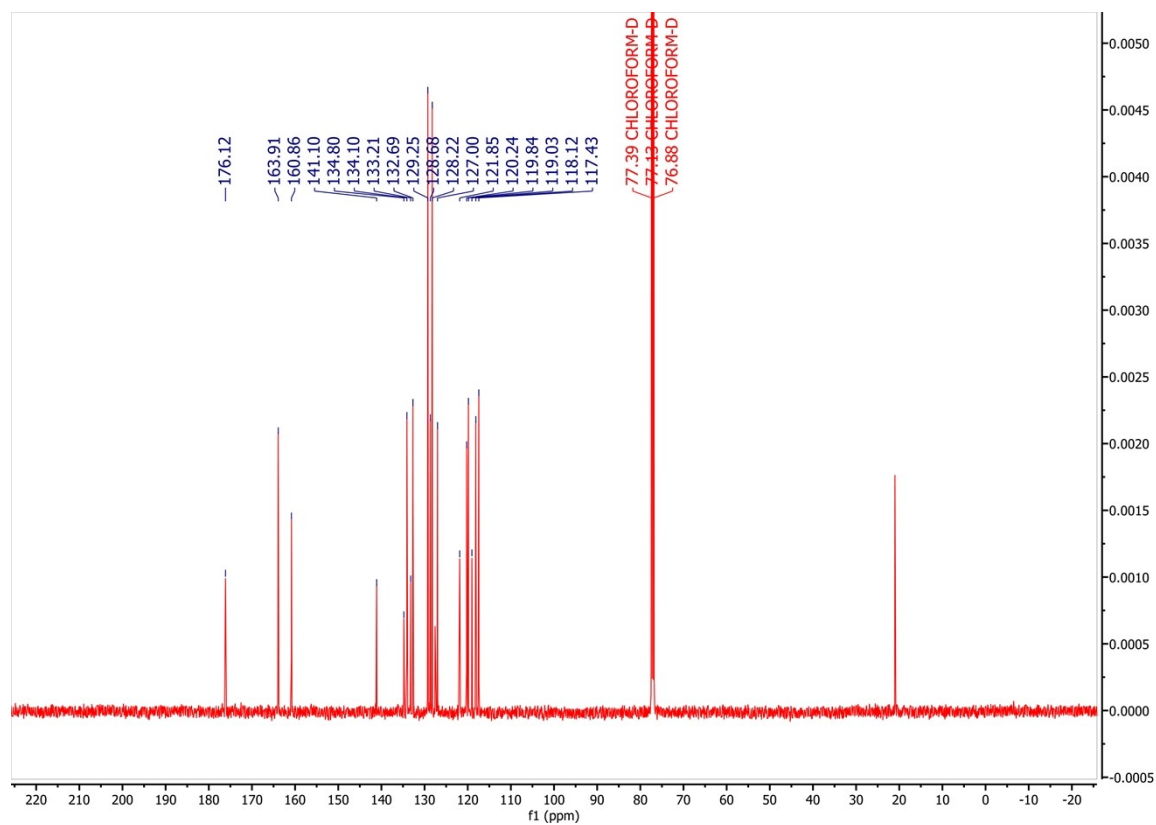


Figure S15. ^{13}C NMR spectra of (**4d**)

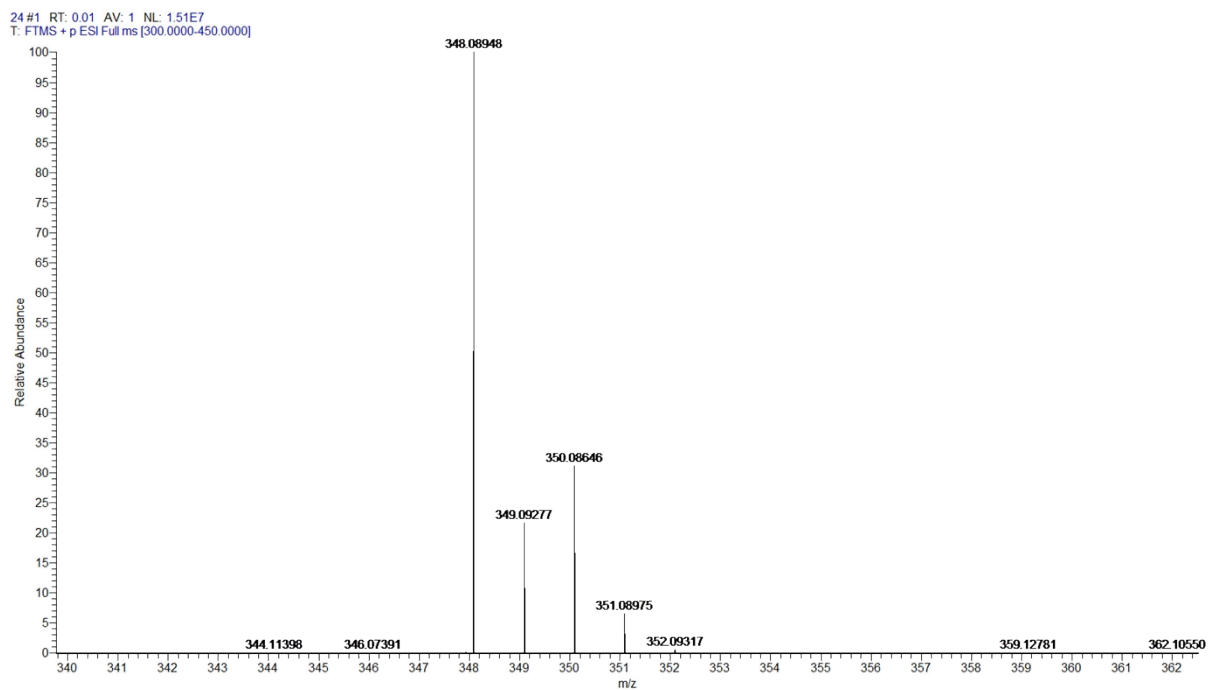


Figure S16. ESI⁺-MS spectra of (**4d**)