

Supporting Information

Synthesis, Characterizations, and Quantum Chemical Investigations on Imidazo[1,2-a]pyrimidine-Schiff base derivative : (E)-2-phenyl-N-(thiophen-2- ylmethylene)imidazo[1,2-a]pyrimidin-3-amine

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¹H-NMR , ¹³C-NMR , ¹³C-NMR (DEPT 135), FT-IR and LC-MS(ESI⁺) of (E)-2-phenyl-N-(thiophen-2-ylmethylene)imidazo[1,2-a]pyrimidin-3-amine (3)

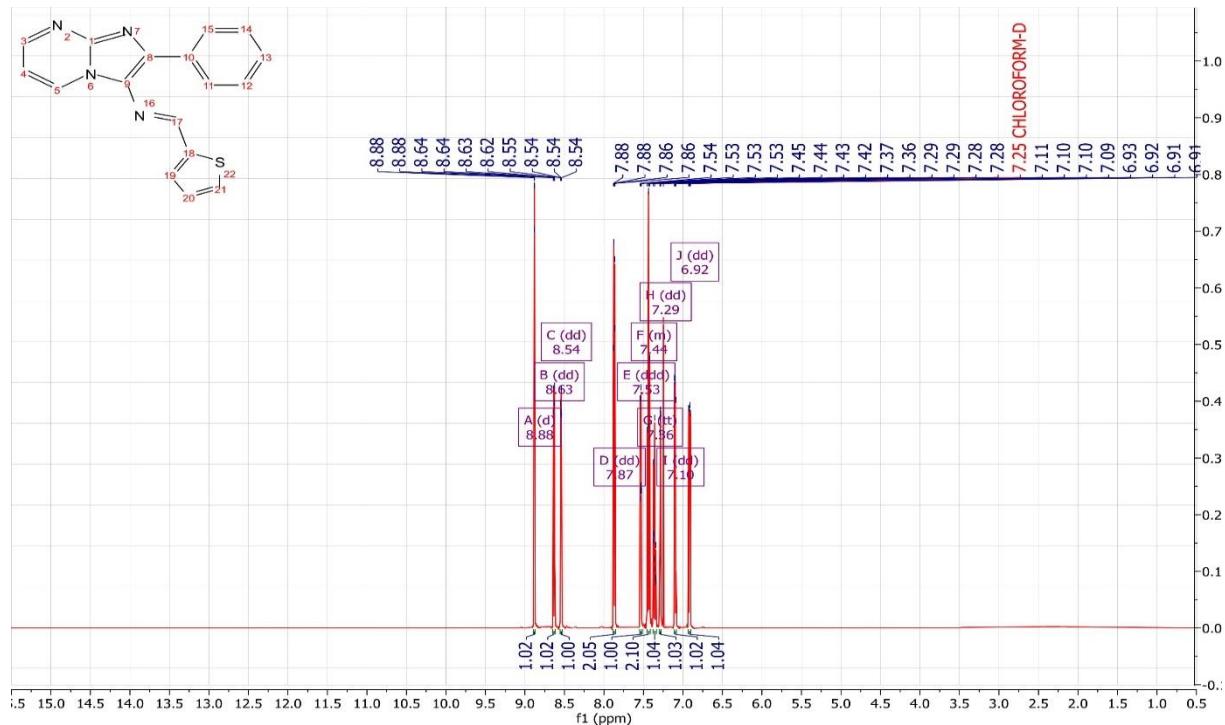


Figure S1. Experimental ¹H NMR spectra of compound (3)

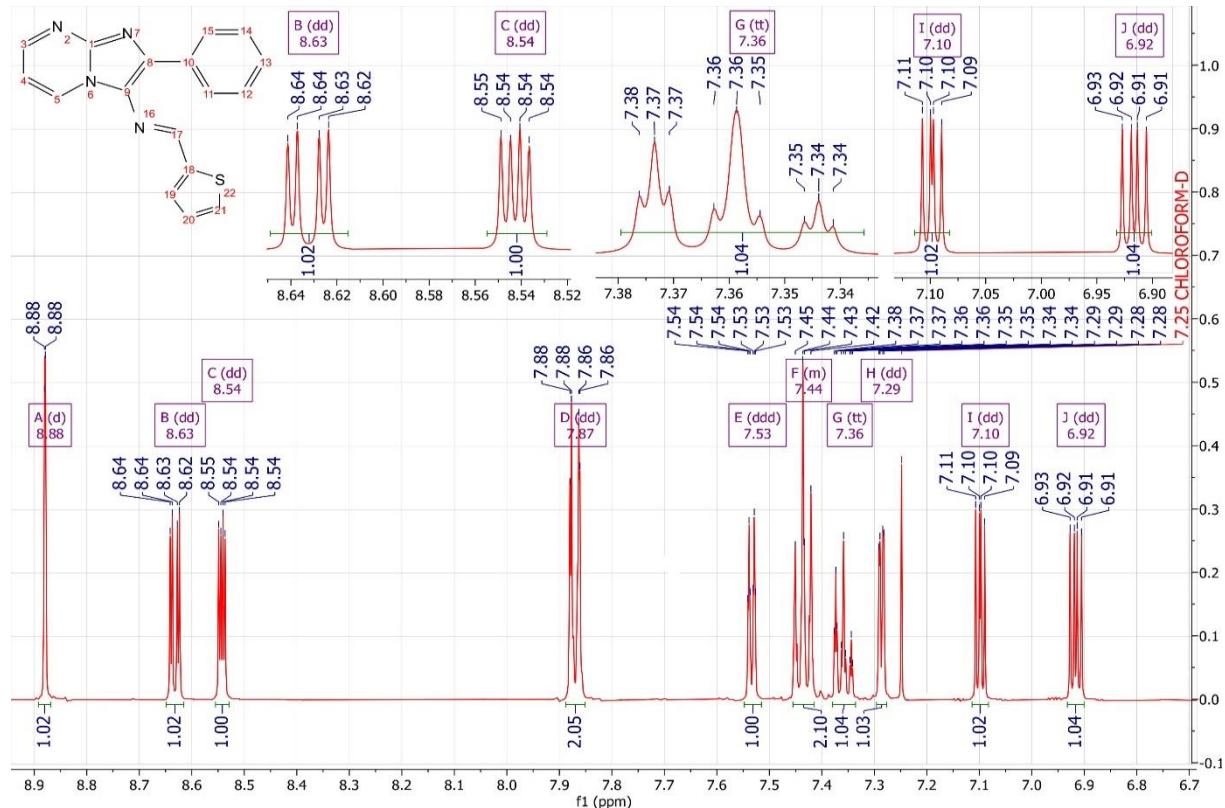


Figure S2. Experimental ¹H NMR spectra of compound (3)

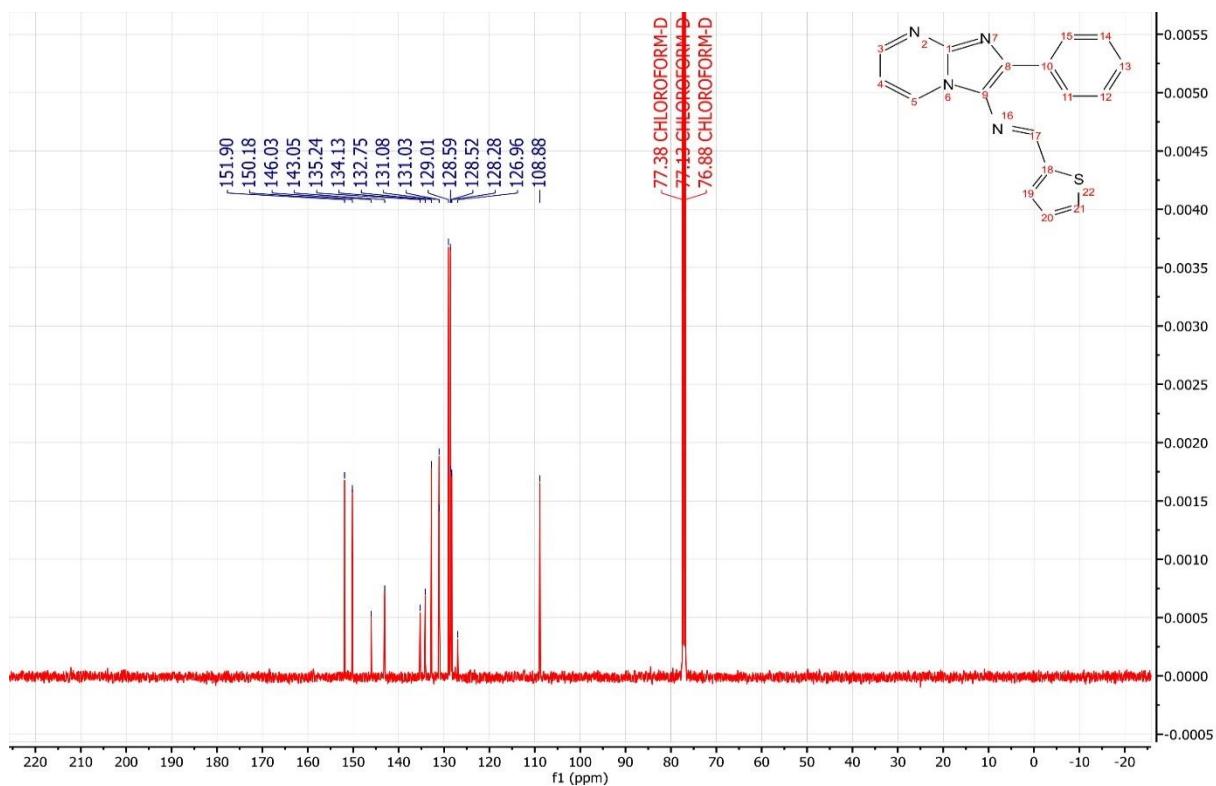


Figure S3. Experimental ^{13}C NMR spectra of compound (3)

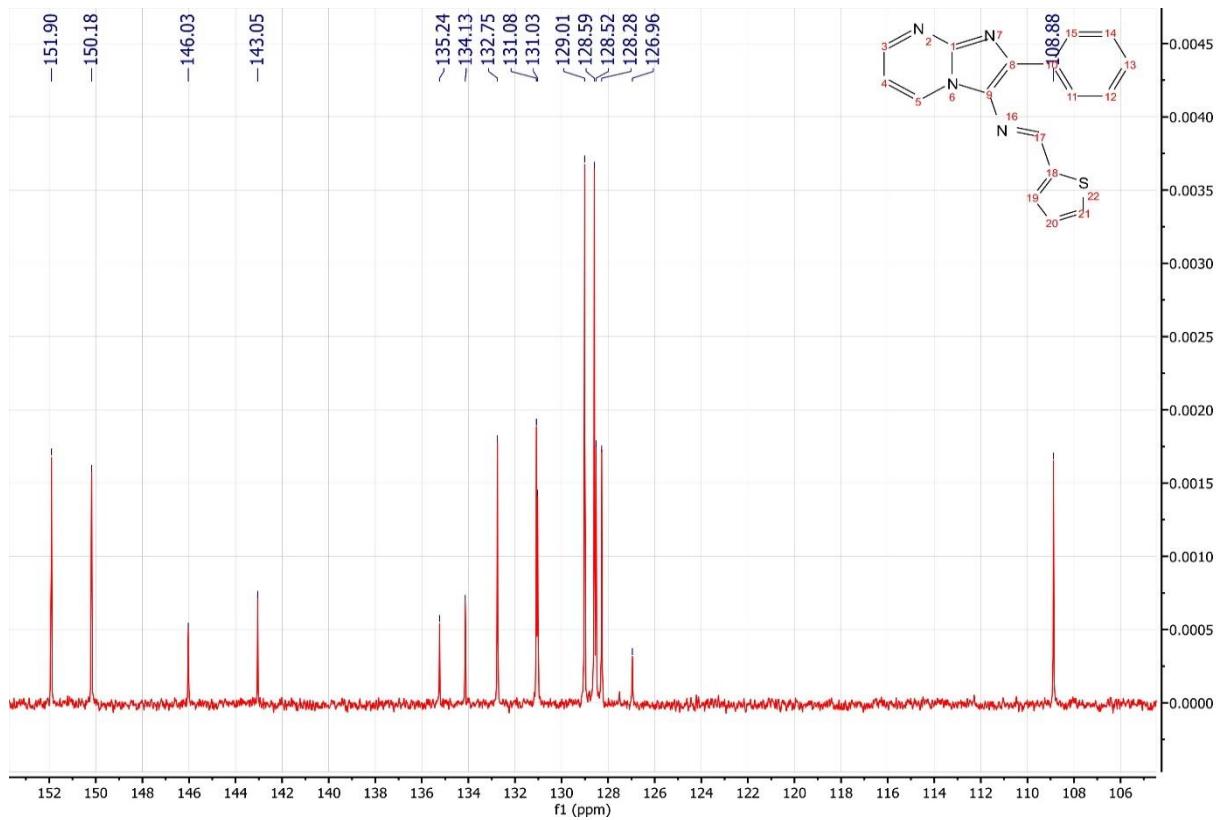


Figure S4. Experimental ^{13}C NMR spectra of compound (3)

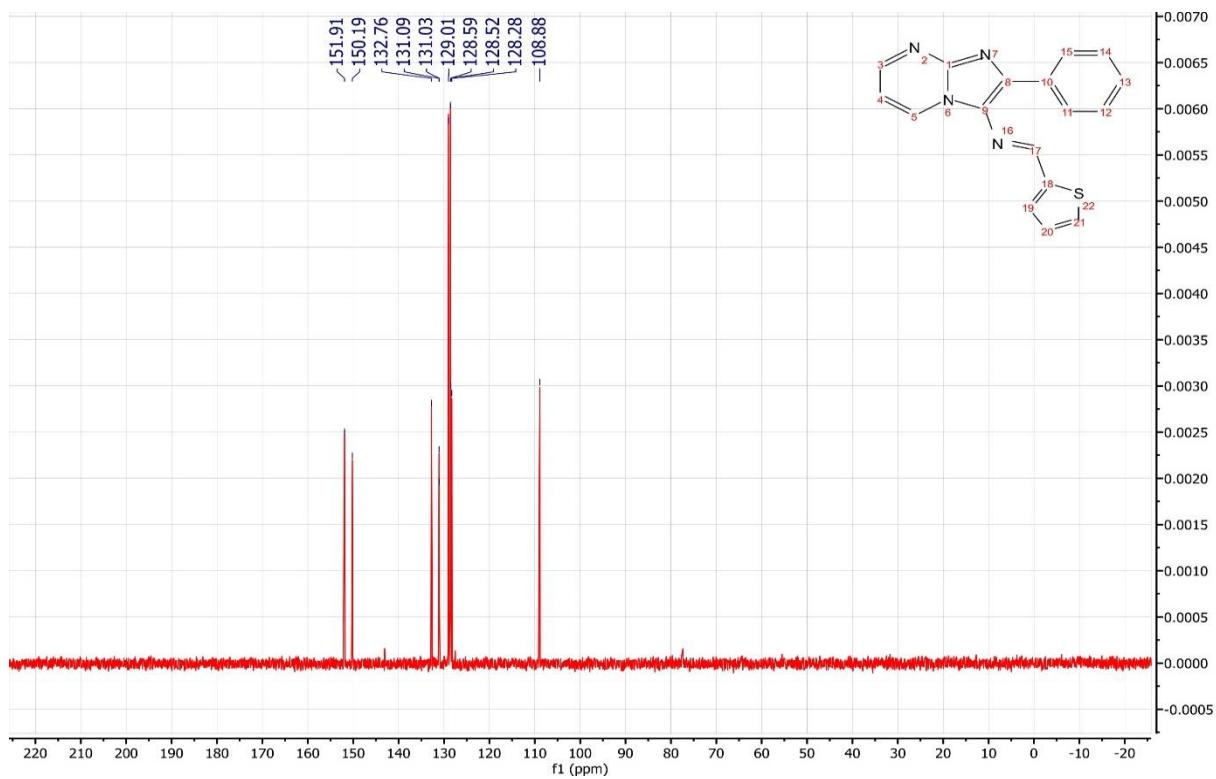


Figure S5. Experimental ^{13}C NMR DEPT 135 spectra of compound (3)

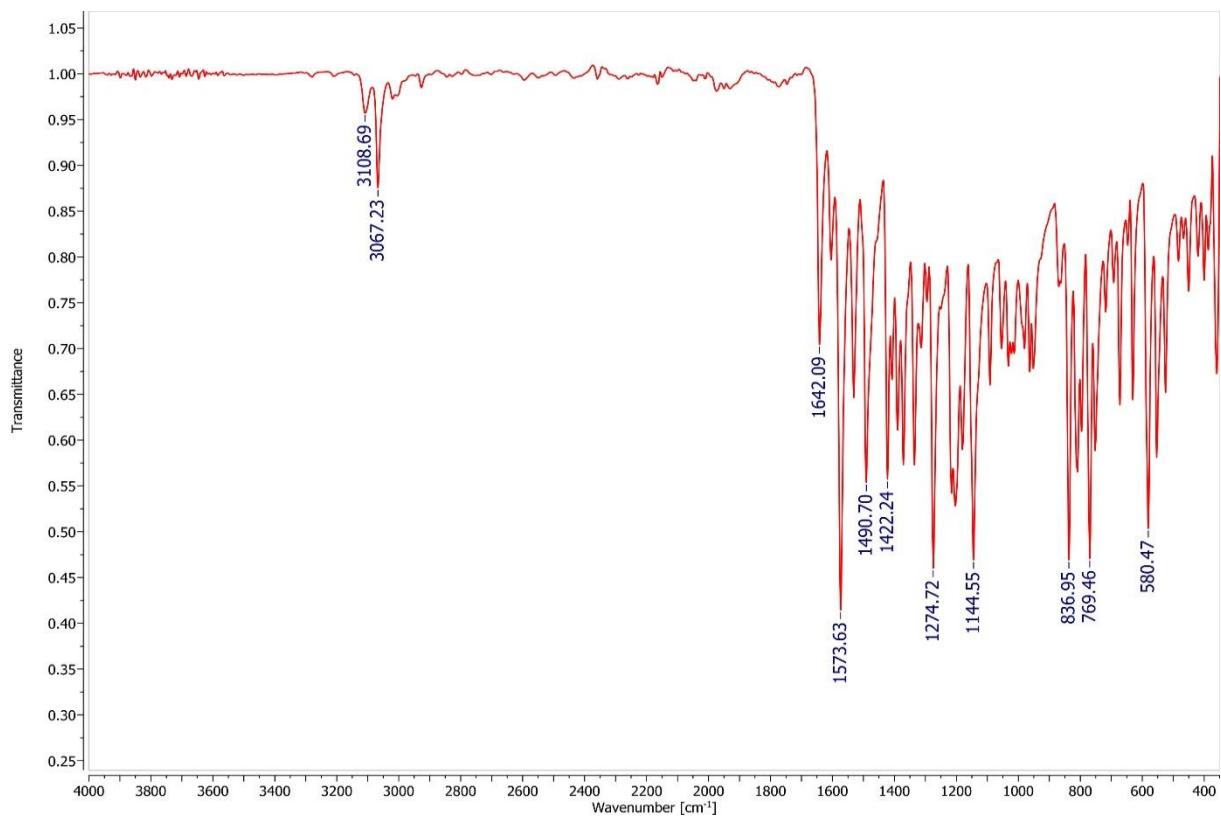


Figure S6. Experimental FT-IR spectra of (3)

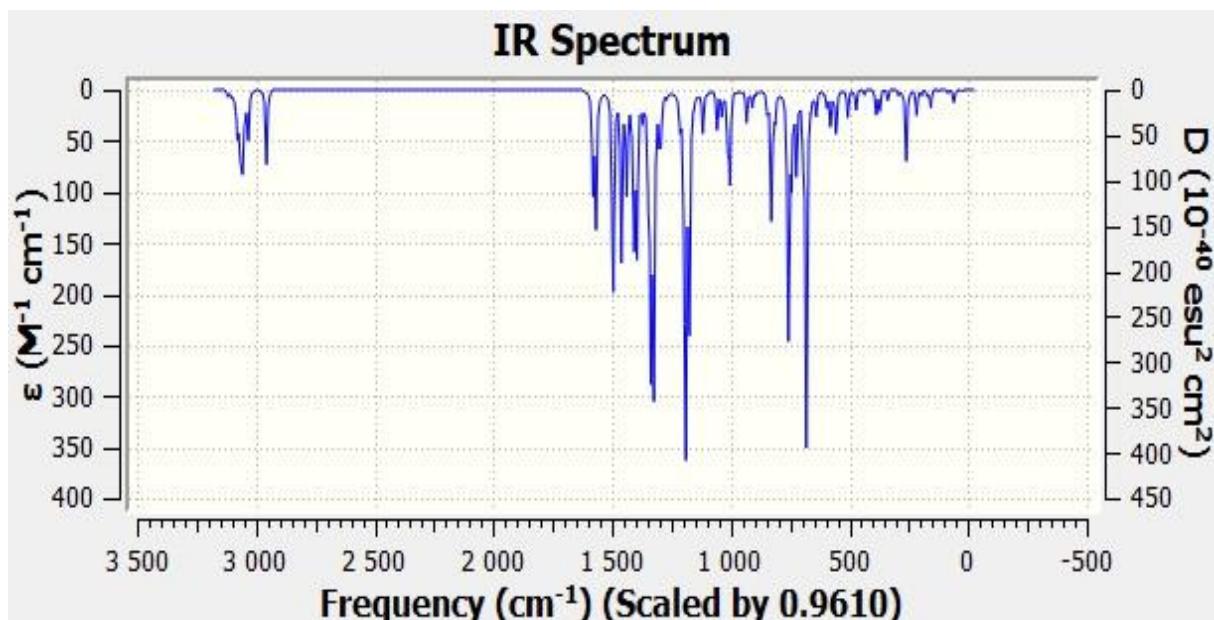


Figure S7. Theoretical FT-IR spectra of (3)

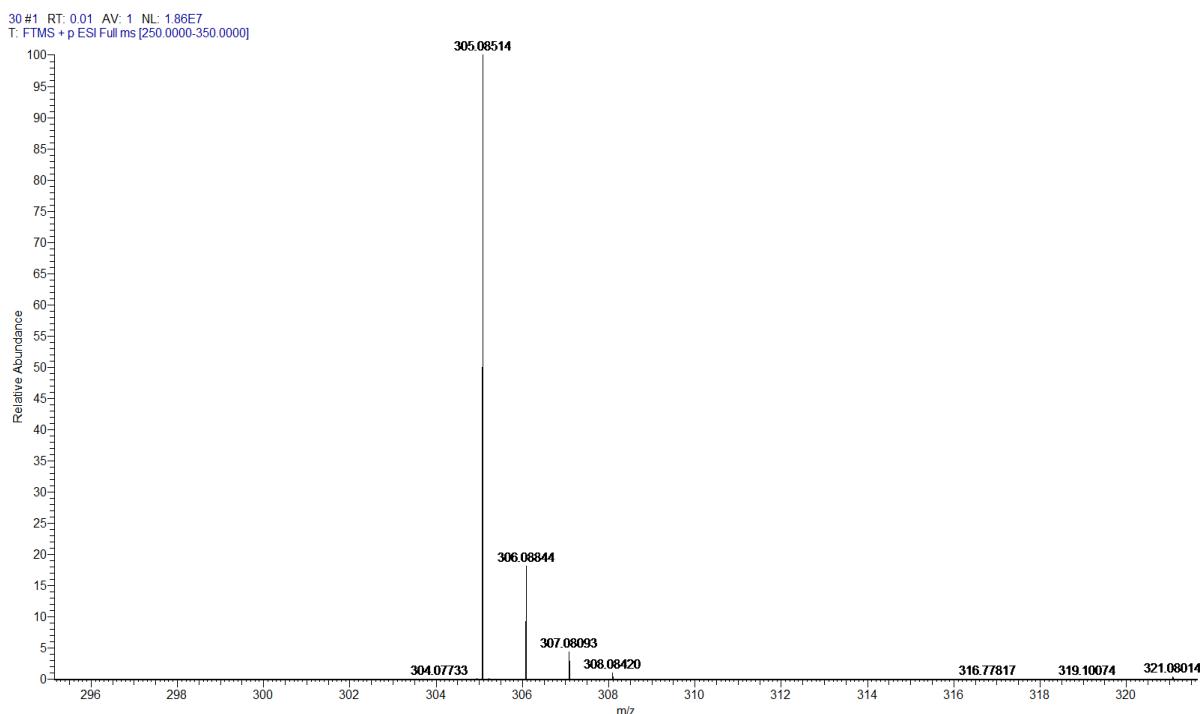


Figure S8. ESI⁺-MS spectra of (3)

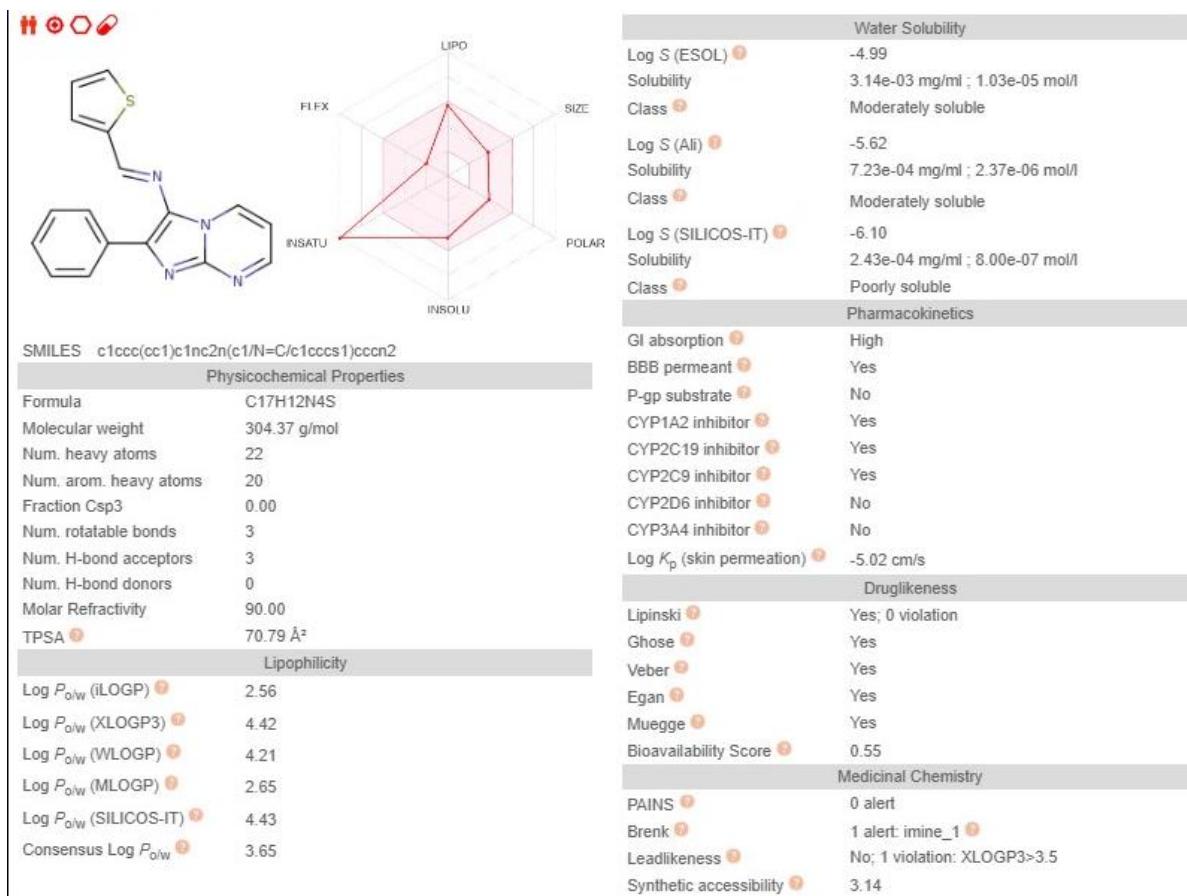


Figure S9. Pharmacokinetics and drug-likeness properties of (3) predicted through SwissADME server.