

---

**Design, synthesis and antitubercular activity of 4-alkoxy-  
-triazoloquinolones able to inhibit the *M. tuberculosis* DNA gyrase.**

Antonio Carta<sup>a,\*</sup>, Alessandra Bua<sup>b,1</sup>, Paola Corona<sup>a,1</sup>, Sandra Piras<sup>a</sup>, Irene Briguglio<sup>a</sup>, Paola Molicotti<sup>b</sup>, Stefania Zanetti<sup>b</sup>, Erik Laurini<sup>c</sup>, Maurizio Fermeglia<sup>c</sup>, Sabrina Pricl<sup>c,\*</sup>

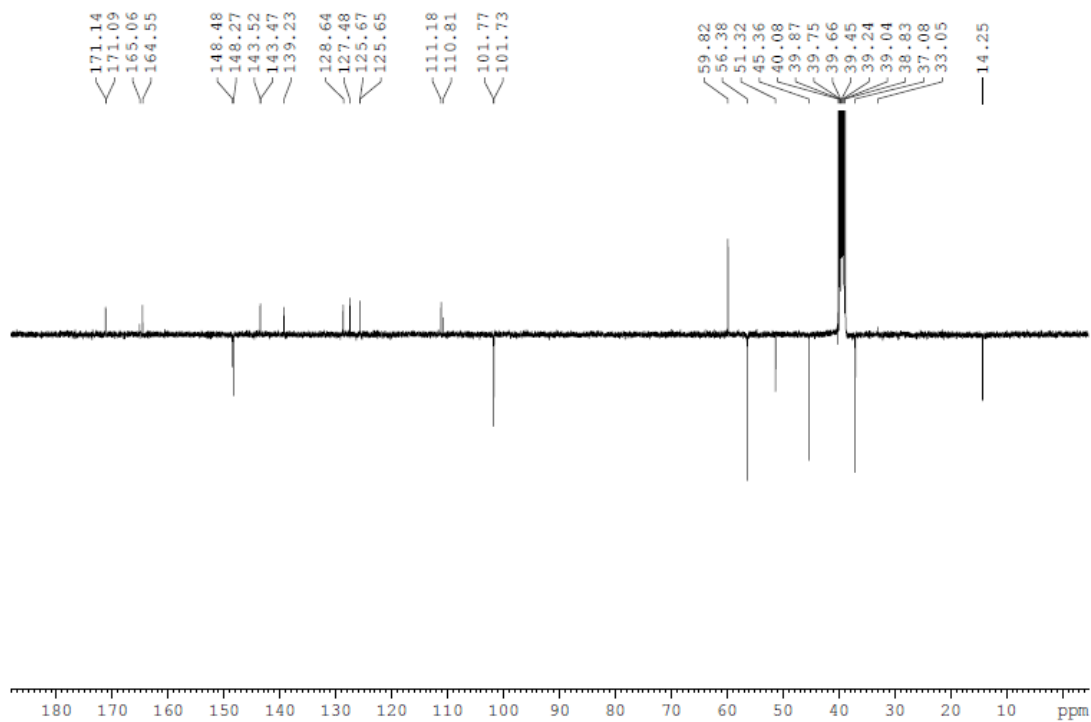
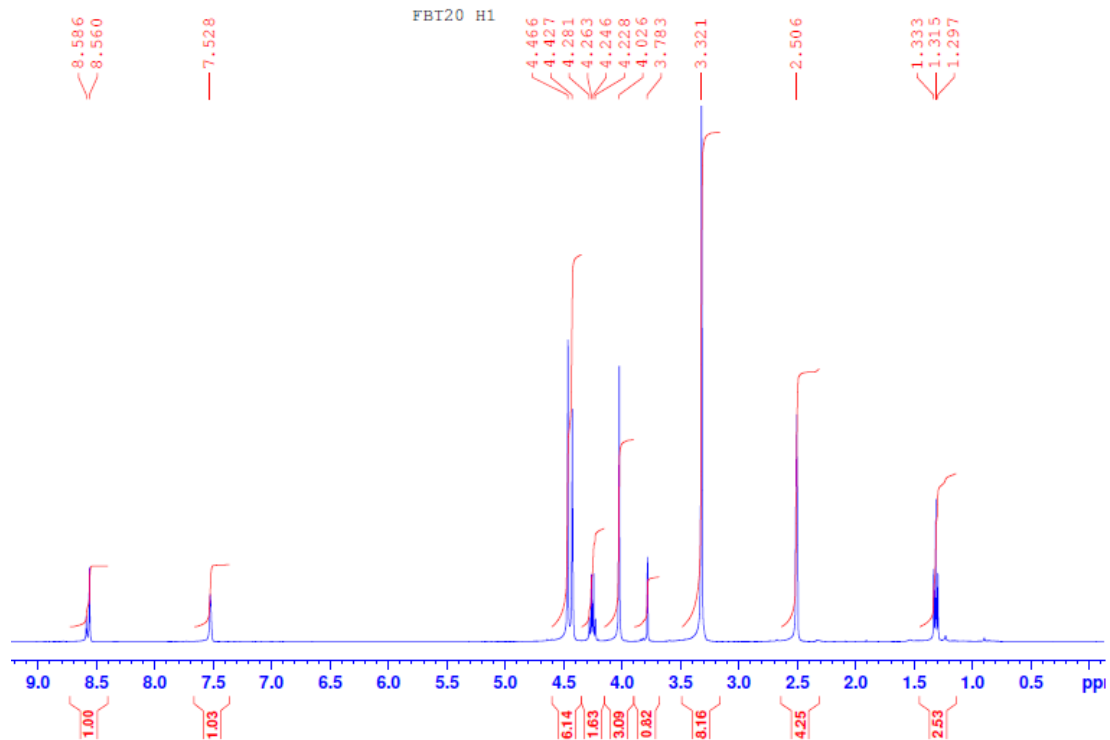
<sup>a</sup> Department of Chemistry and Pharmacy, University of Sassari, Via Muroni 23, 07100 Sassari, Italy.

<sup>b</sup> Department of Biomedical Sciences, University of Sassari, V.le San Pietro 43/C, 07100 Sassari, Italy.

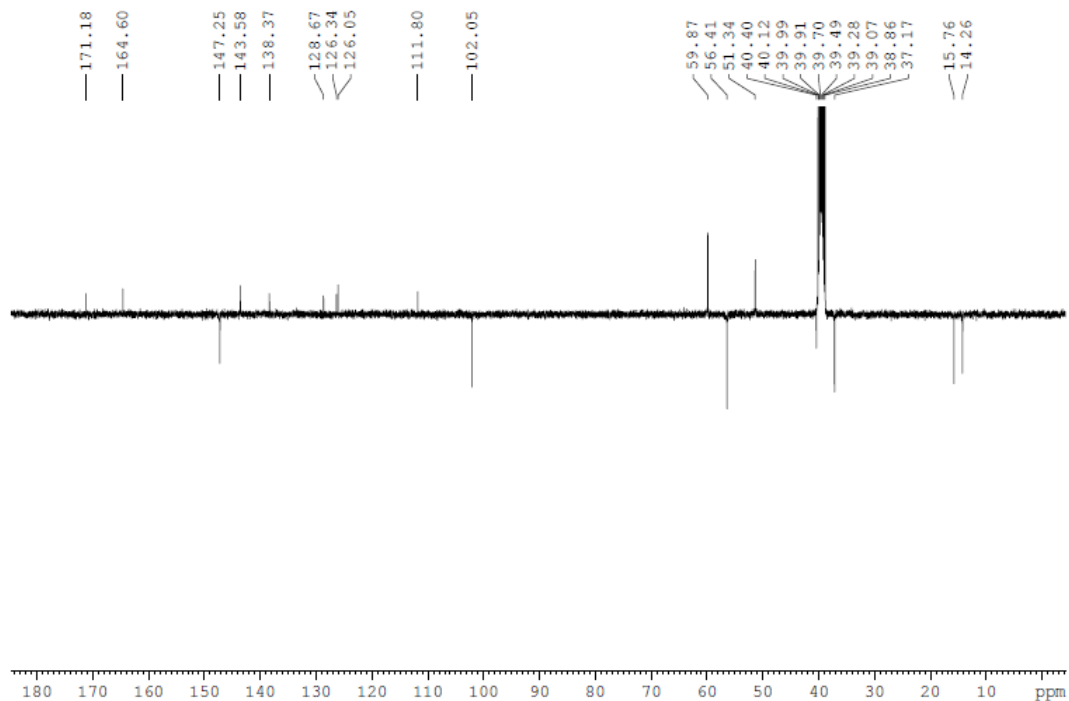
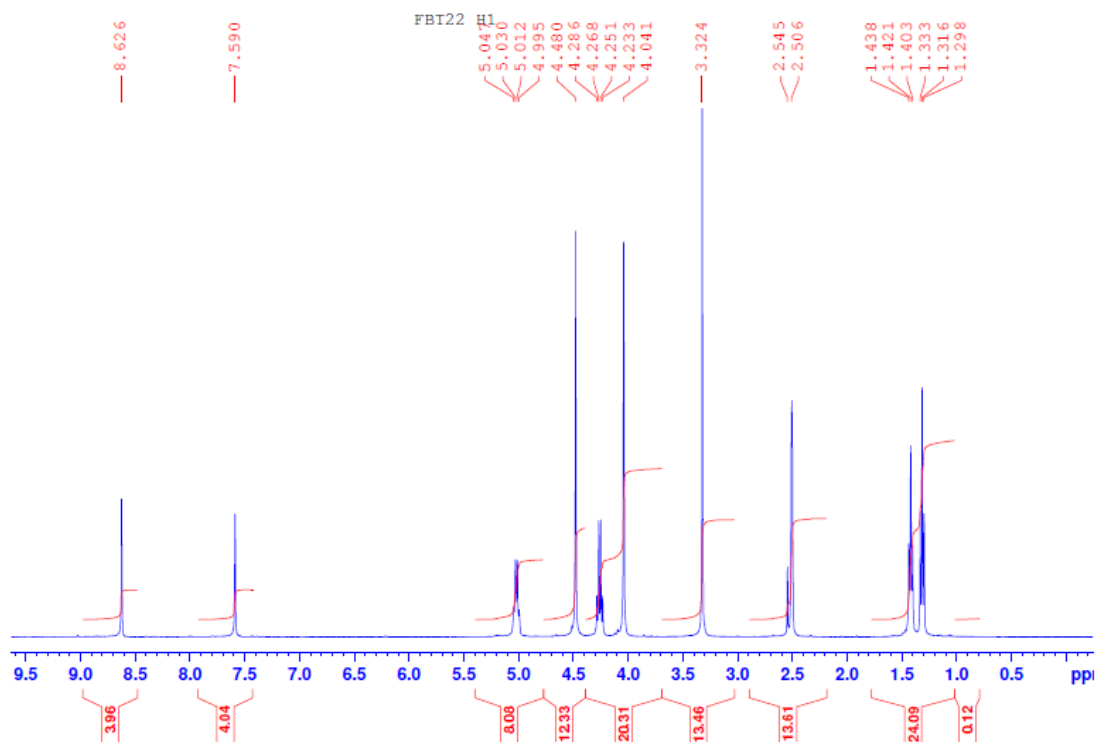
<sup>c</sup> Molecular Biology and Nanotechnology Laboratory (MolBNL@UniTS), DEA, University of Trieste, Piazzale Europa 1, 34127 Trieste, Italy.

<sup>1</sup>H-NMR and <sup>13</sup>C NMR spectra were determined in CDCl<sub>3</sub> or DMSO- $\delta_6$ , and were recorded on a Bruker Avance III 400 NanoBay and a Varian XL-200 (200 MHz) instruments. Some significant examples are reported.

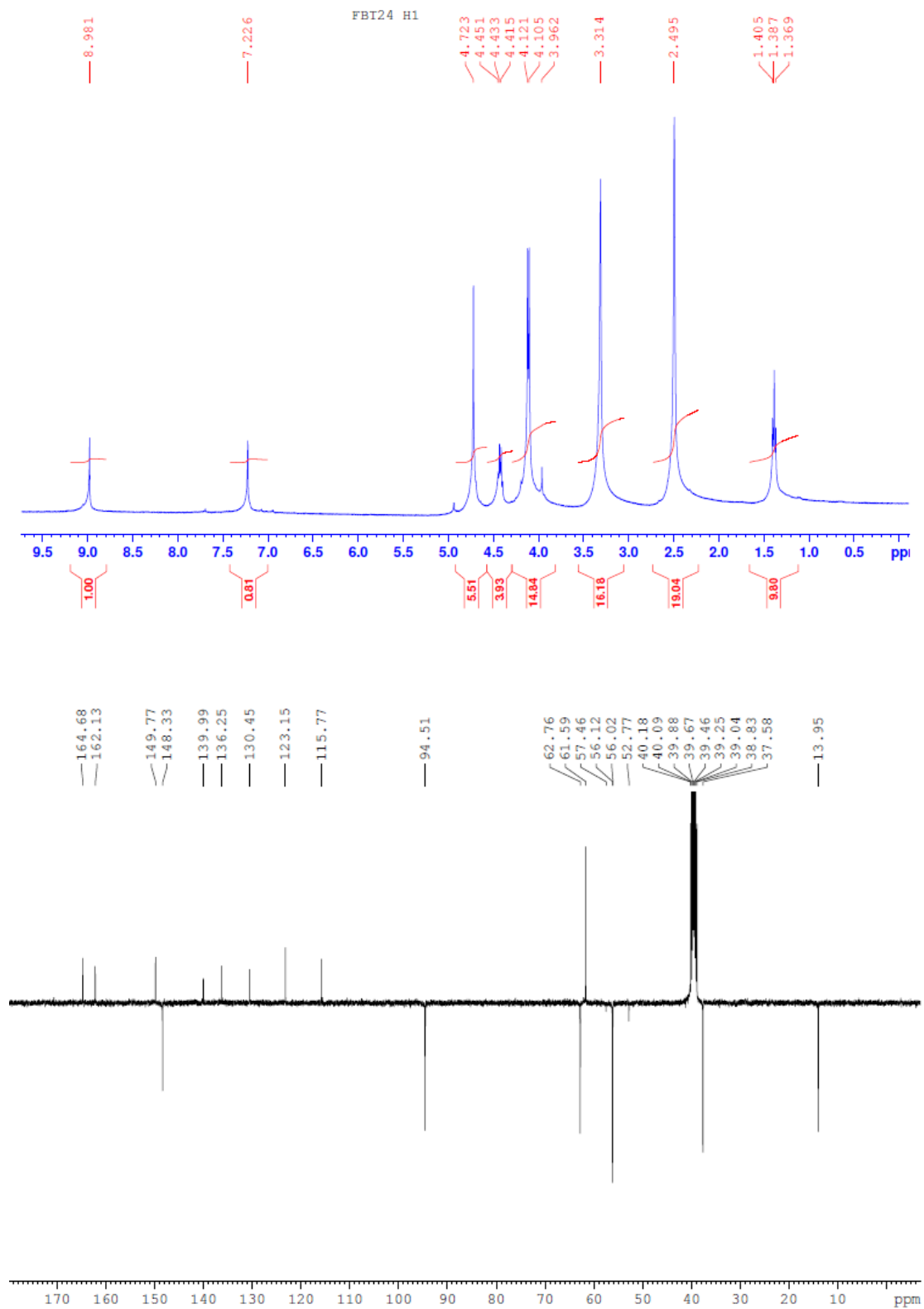
# Compound 20a (FBT20)



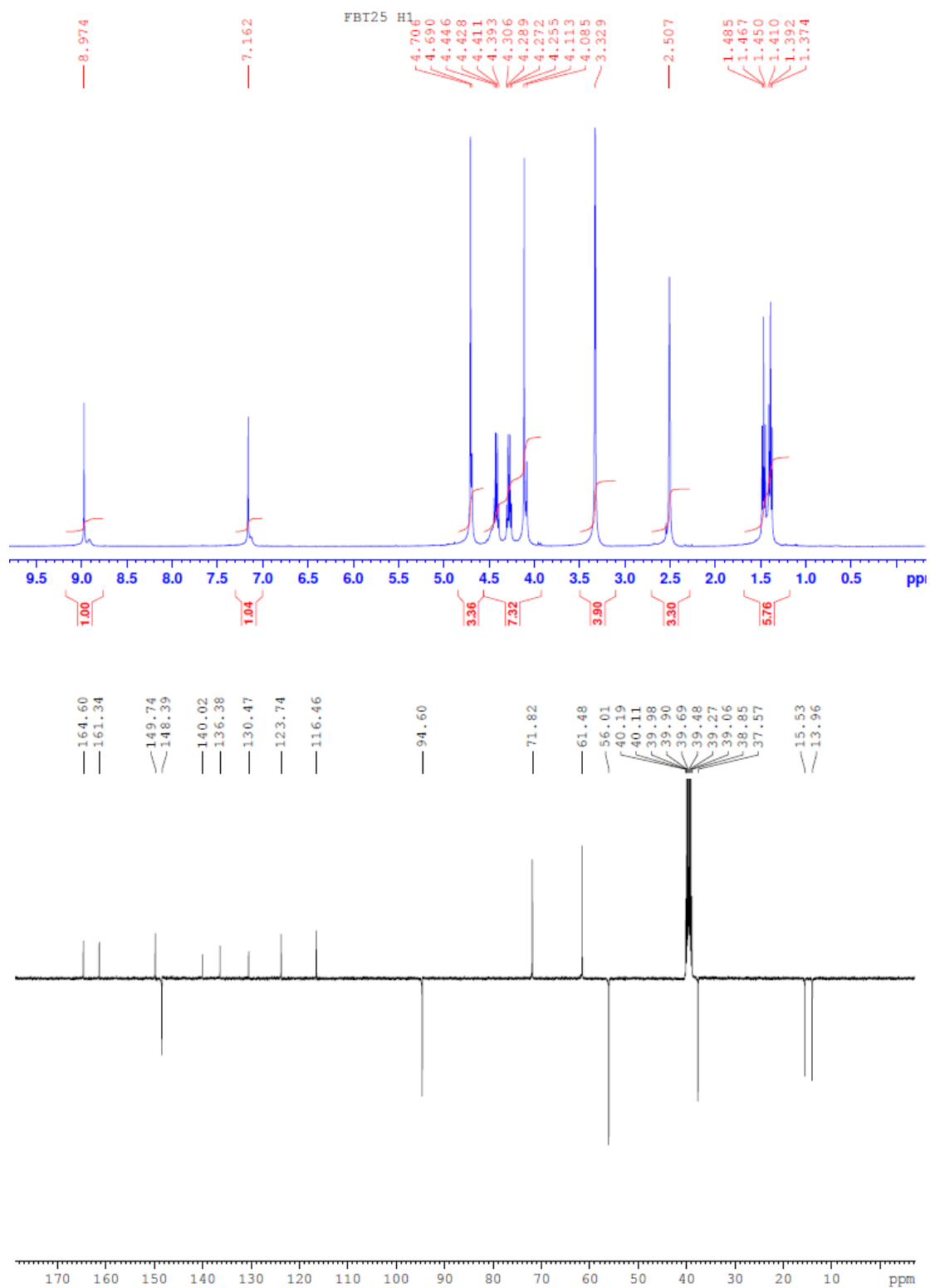
# Compound 22a (FBT22)



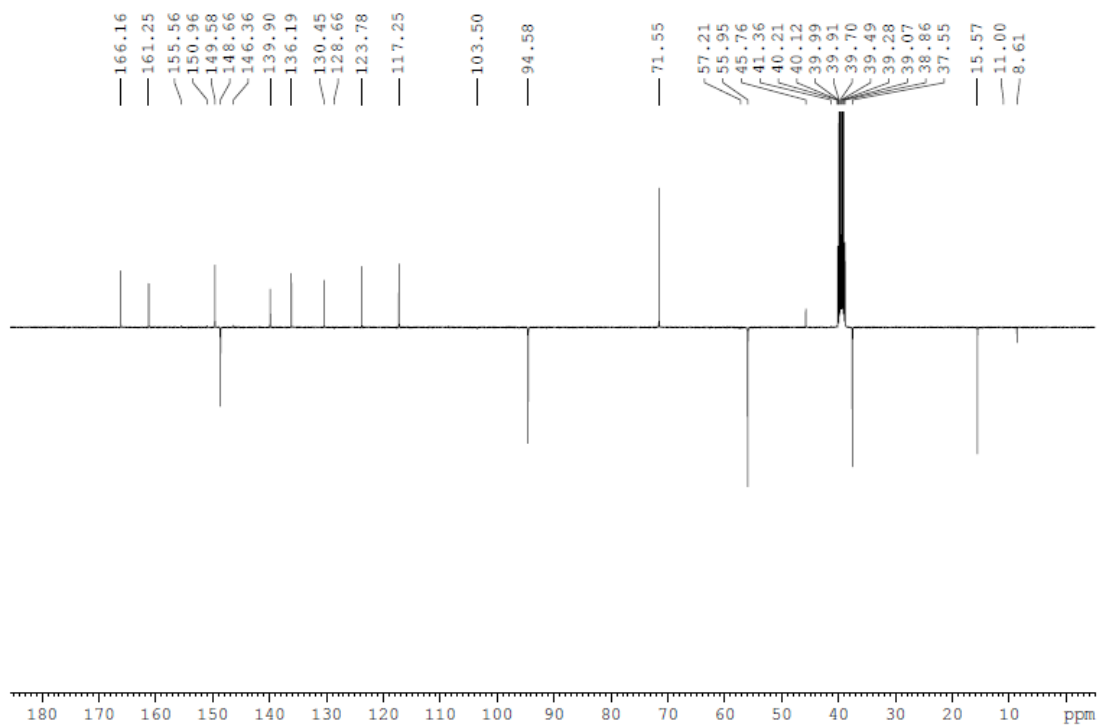
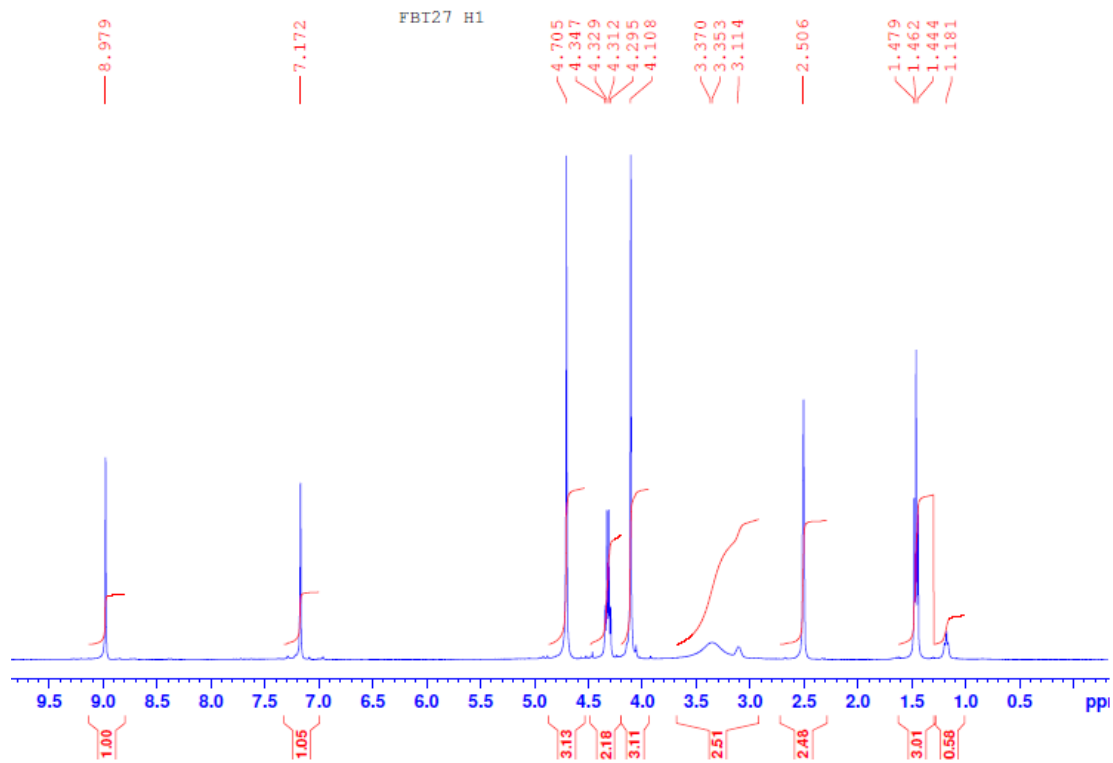
# Compound 20a (FBT24)



# Compound 22c (FBT25)



# Compound 23c (FBT27)



# Compound 23b (FBT34)

