**Supplementary Material**

*In vitro* and *in silico* evaluation of the anti-leishmanial activity of novel synthetic chalcones

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Figure 1: Chalcones synthesized via Claisen condensation.

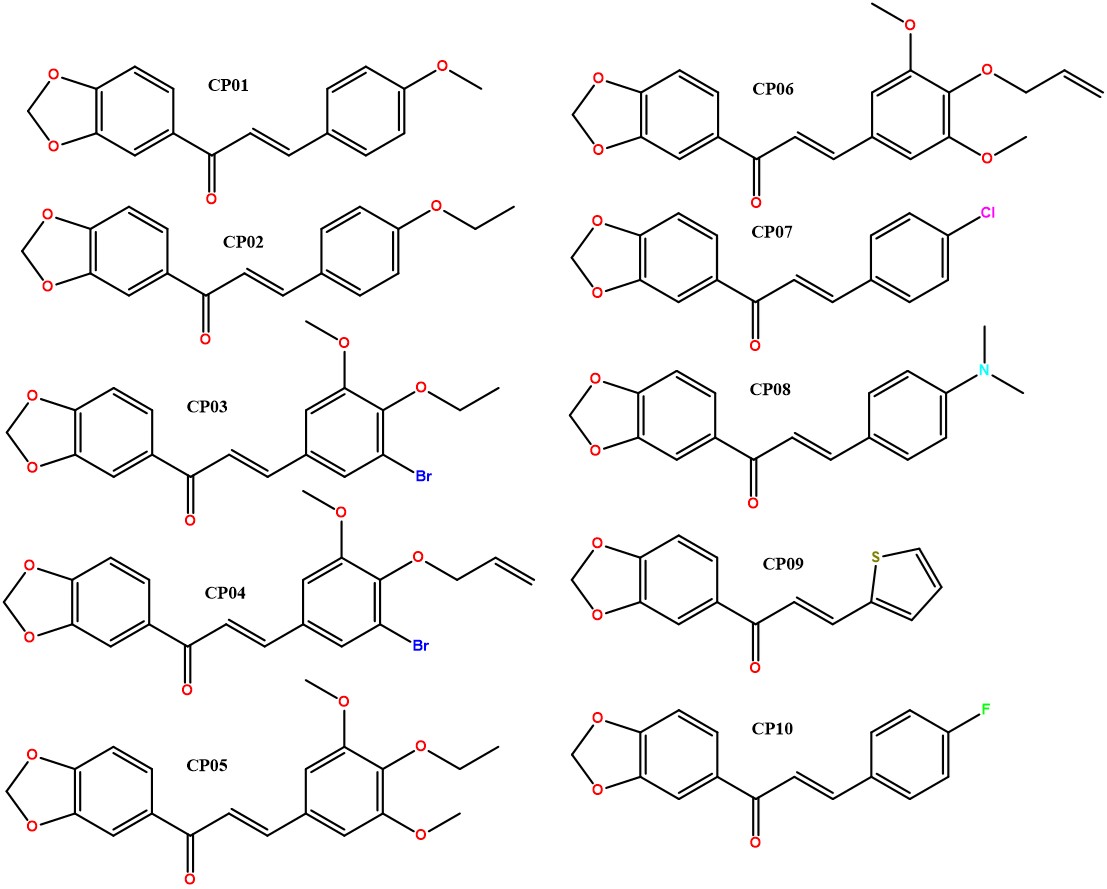


Figure 2: 1H RMN (CDCl3, 400 MHz) Compound 1 (**CP01**).

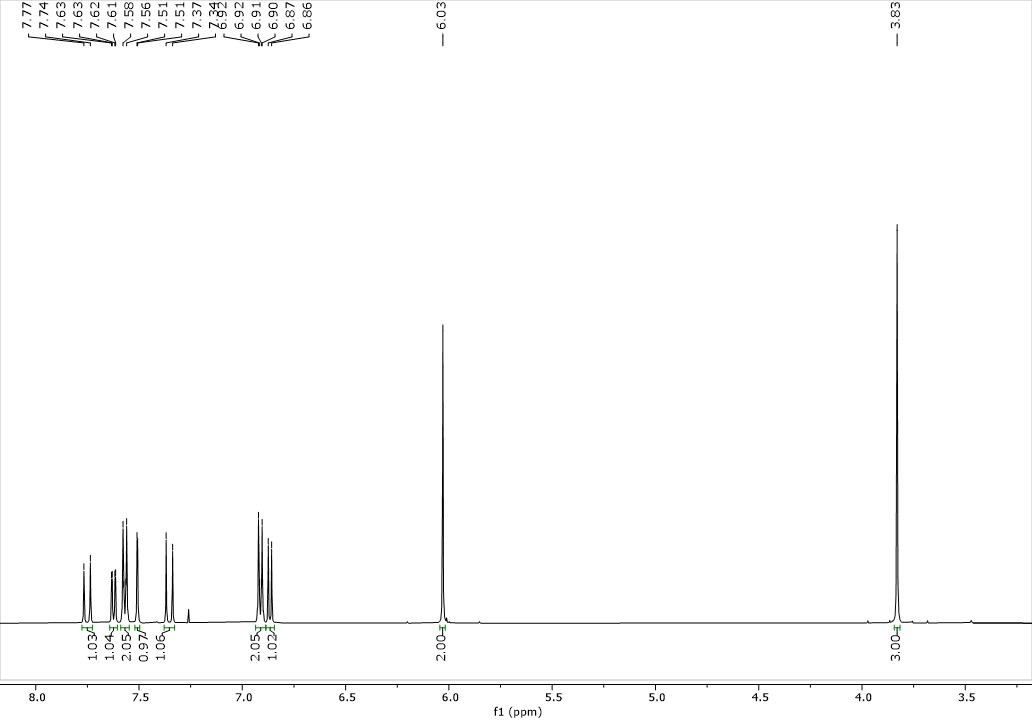


Figure 3: 13C RMN (CDCl3, 100 MHz) Compound 1 (**CP01**)

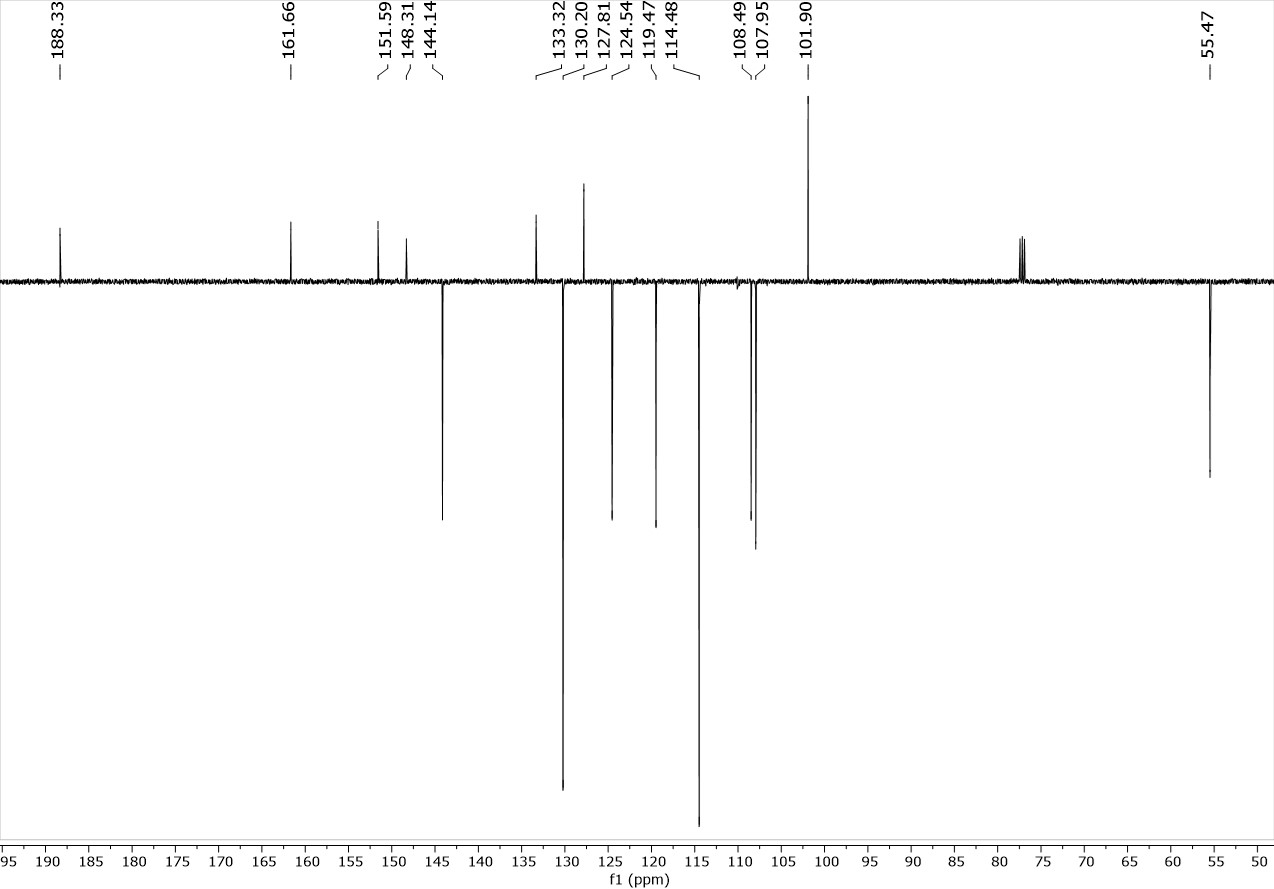
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Figure 4: 1H RMN (CDCl3, 400 MHz) Compound 2 (**CP02**)

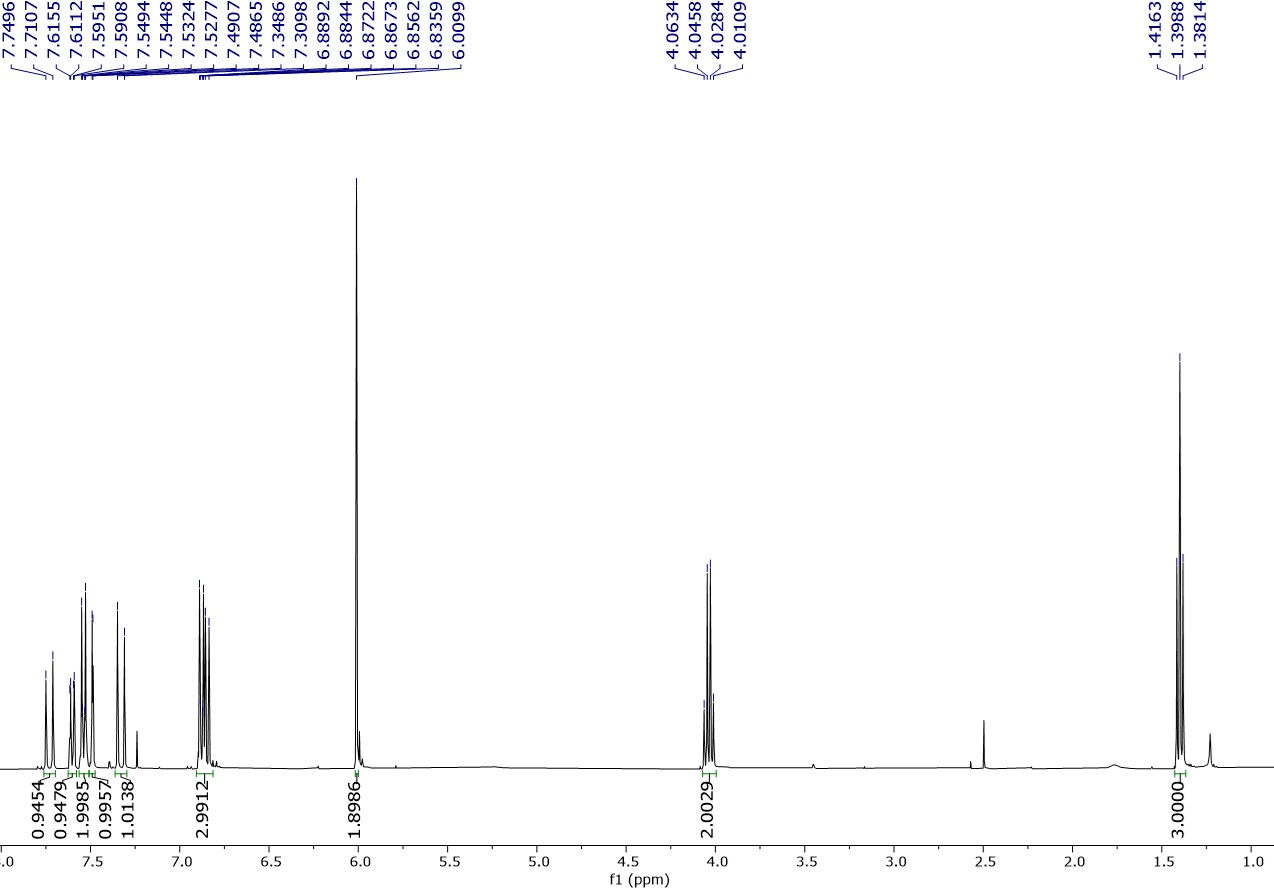


Figure 5: 13C RMN (CDCl3, 100 MHz) Compound 2 (**CP02**)

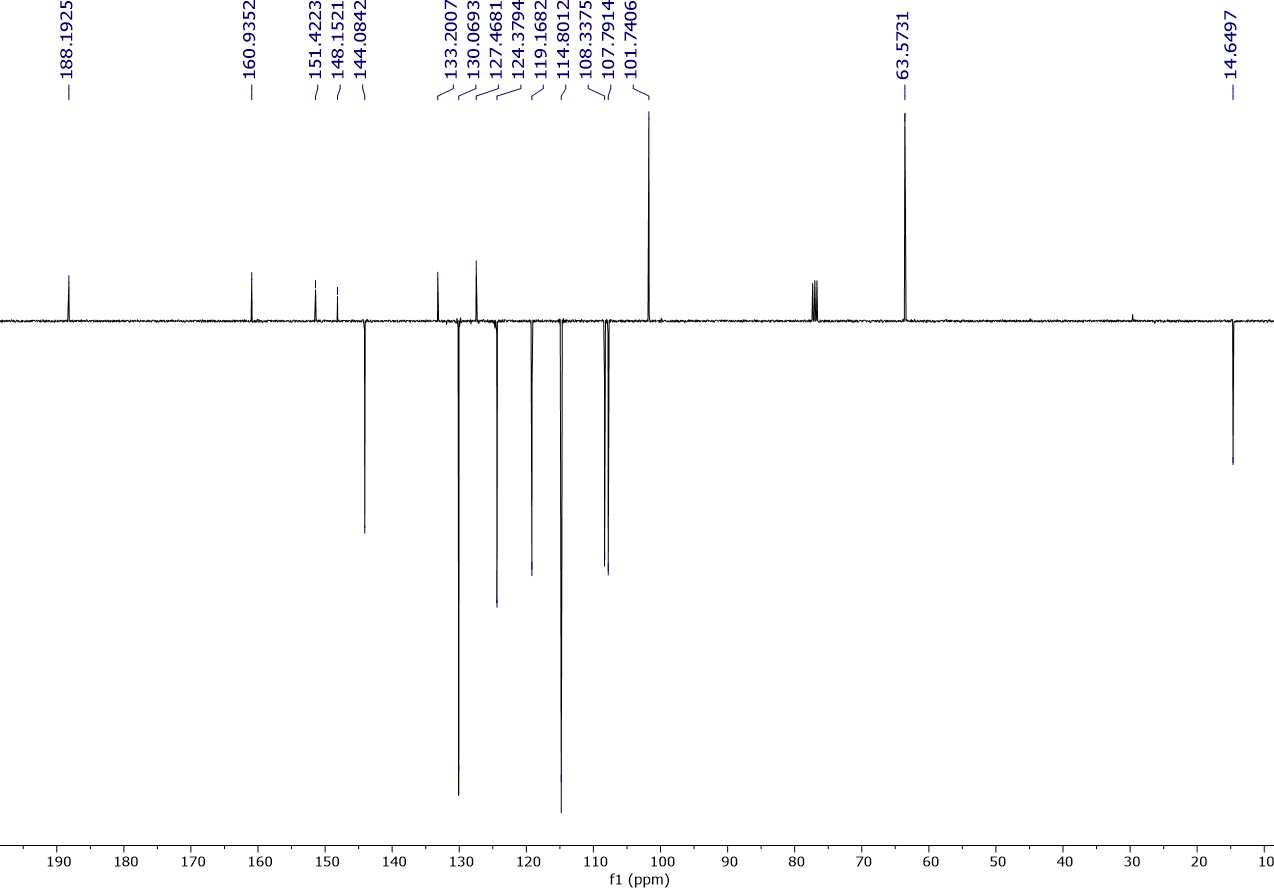


Figure 6: Mass spetrum HRMS (ESI-TOF+) Compound CP02.

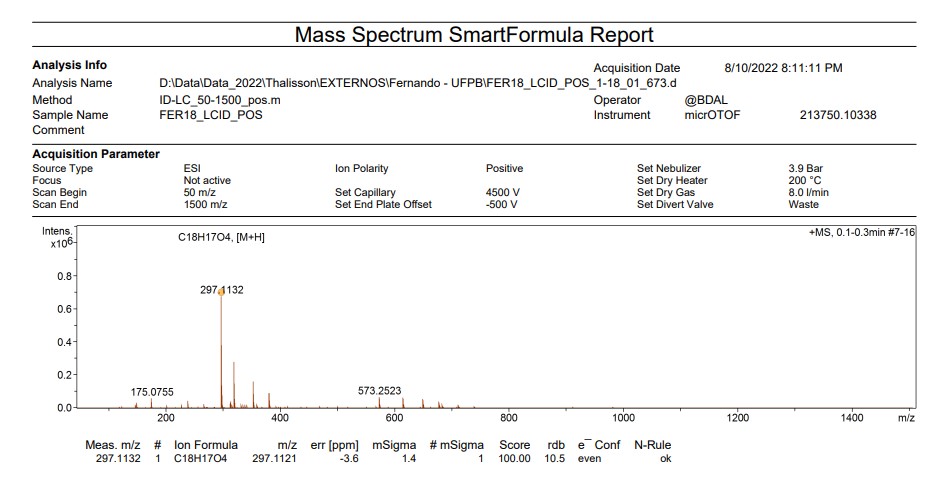


Figure 7: 1H RMN (CDCl3, 400 MHz) Compound 3 (**CP03**)

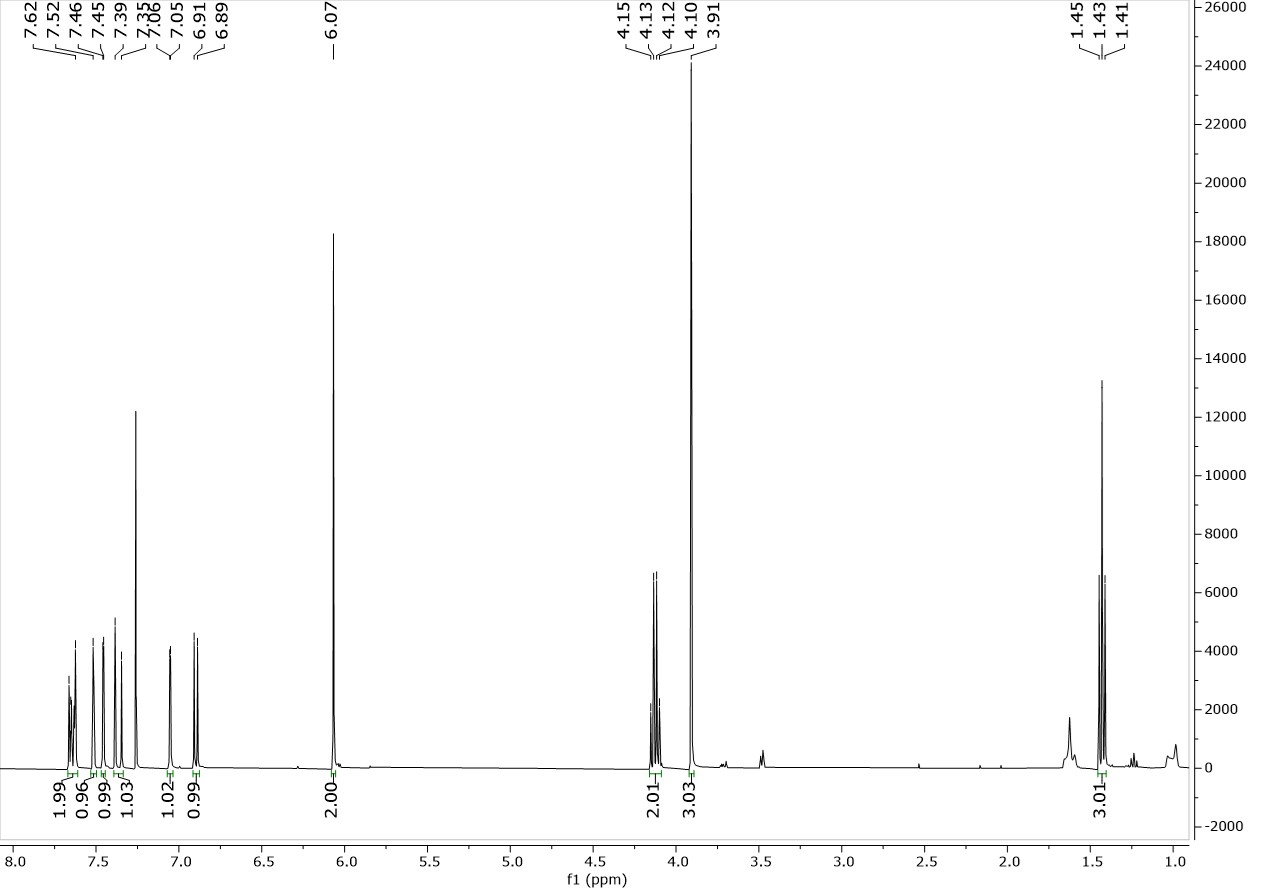


Figure 8: 13C RMN (CDCl3, 100 MHz) Compound 3 (**CP03**)

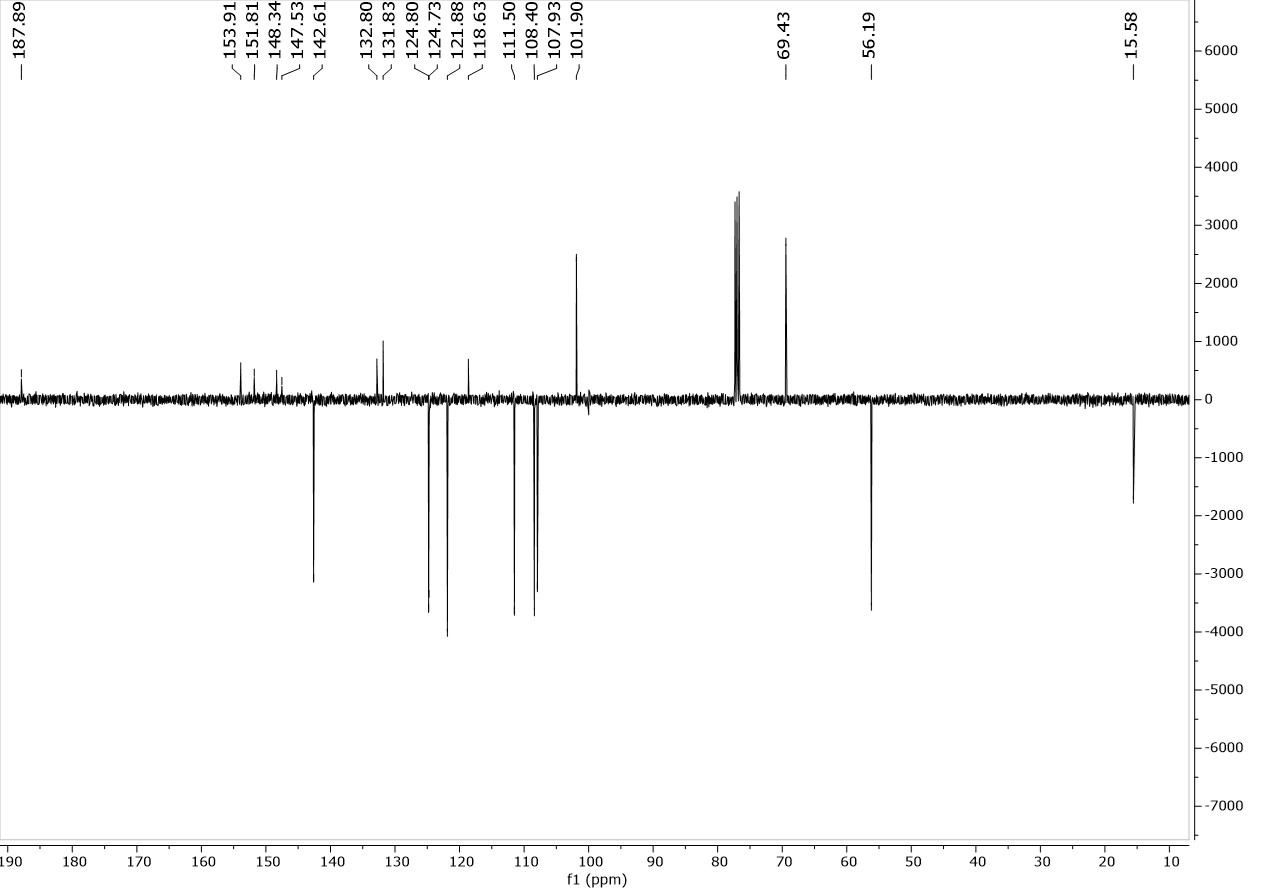


Figure 9: 1H RMN (CDCl3, 400 MHz) Compound 4 (**CP04**)

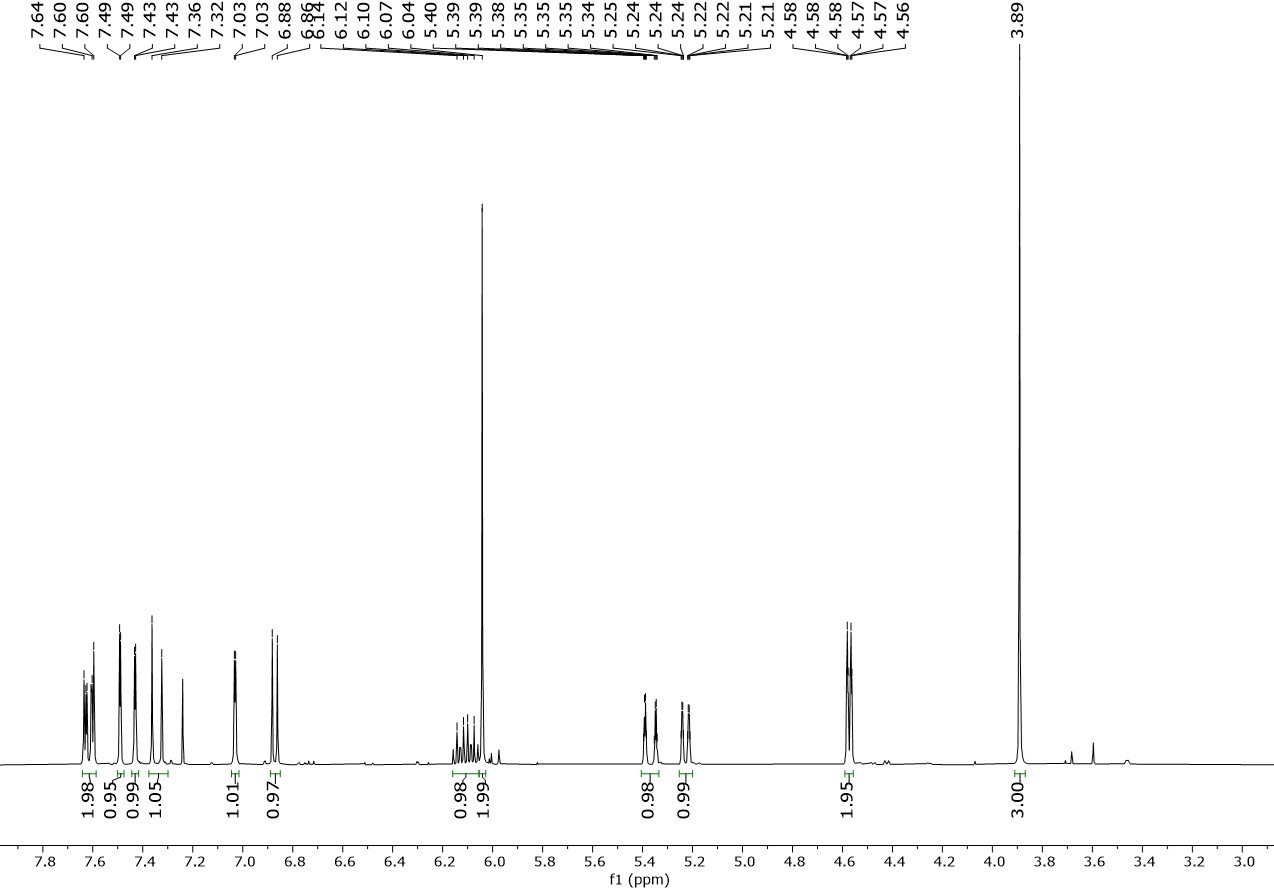


Figure 10: 13C RMN (CDCl3, 100 MHz) Compound 4 (**CP04**)

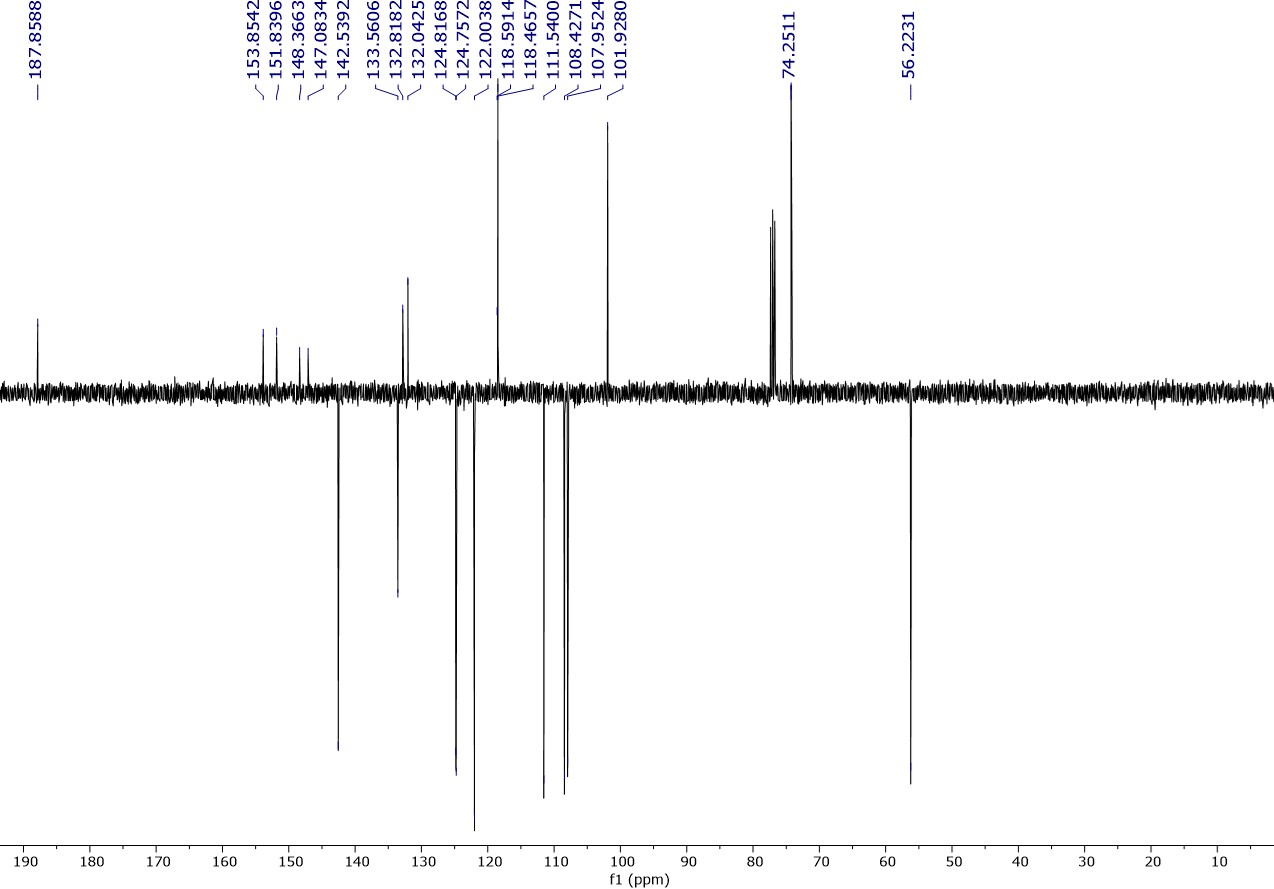


Figure 11: Mass spetrum HRMS (ESI-TOF+) Compound CP04.

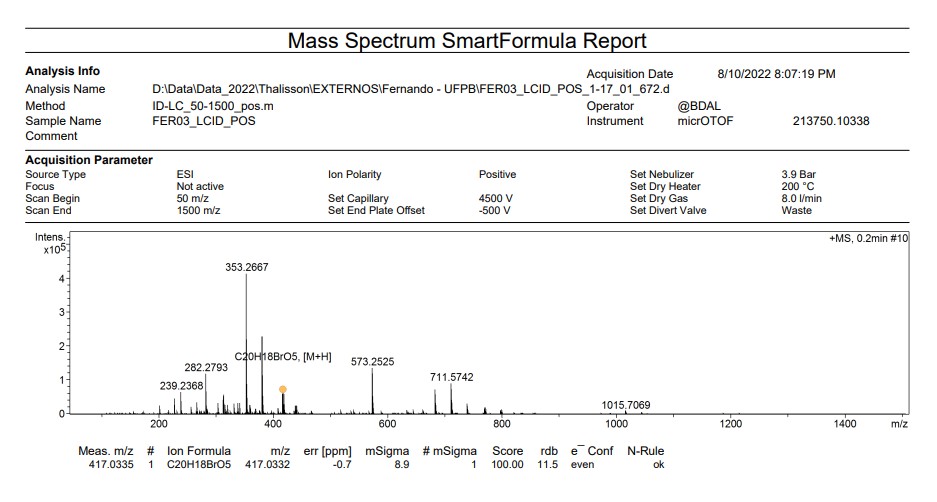


Figure 12: 1H RMN (CDCl3, 400 MHz) Compound 5 (**CP05**)

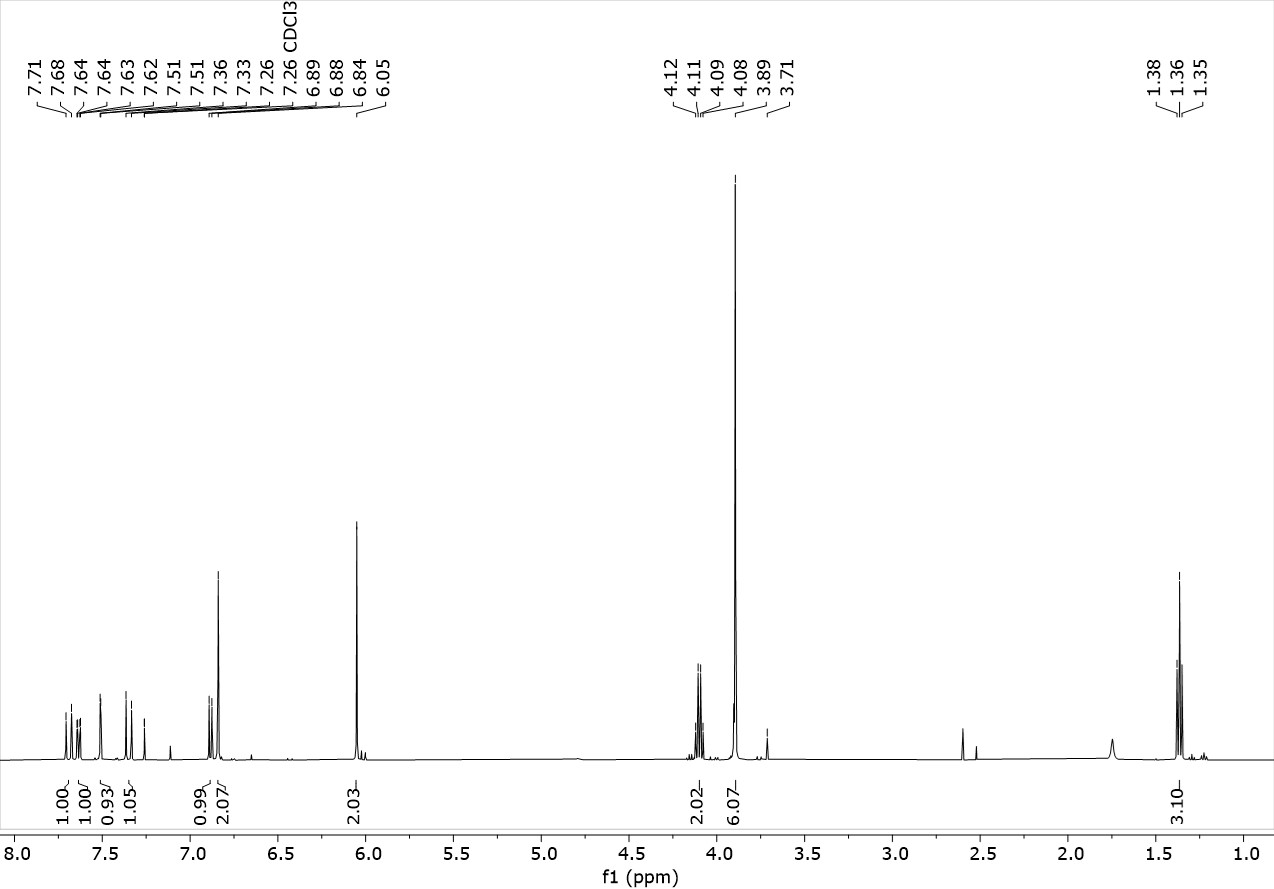


Figure 13: 13C RMN (CDCl3, 100 MHz) Compound 5 (**CP05**)

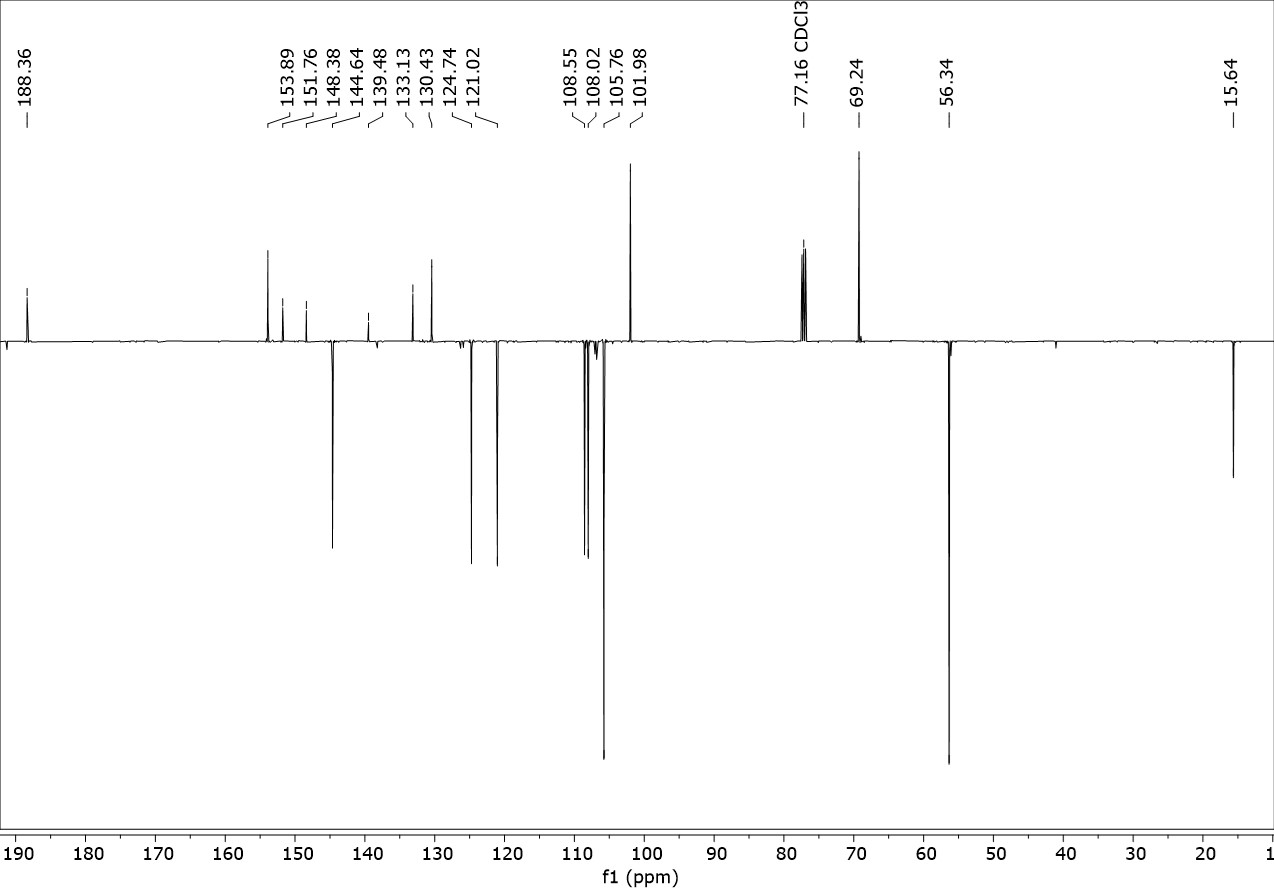


Figure 14: Mass spetrum HRMS (ESI-TOF+) Compound CP05.

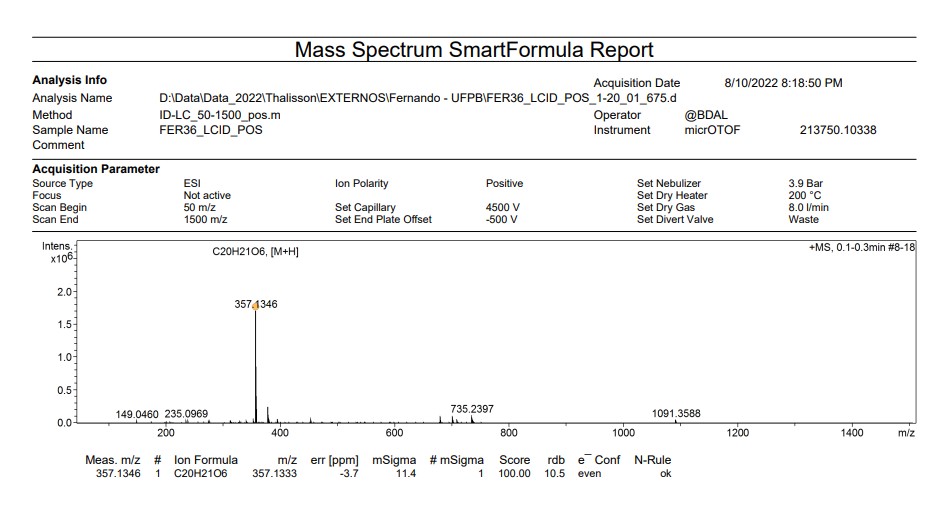


Figure 15: 1H RMN (CDCl3, 400 MHz) Compound 6 (**CP06**)

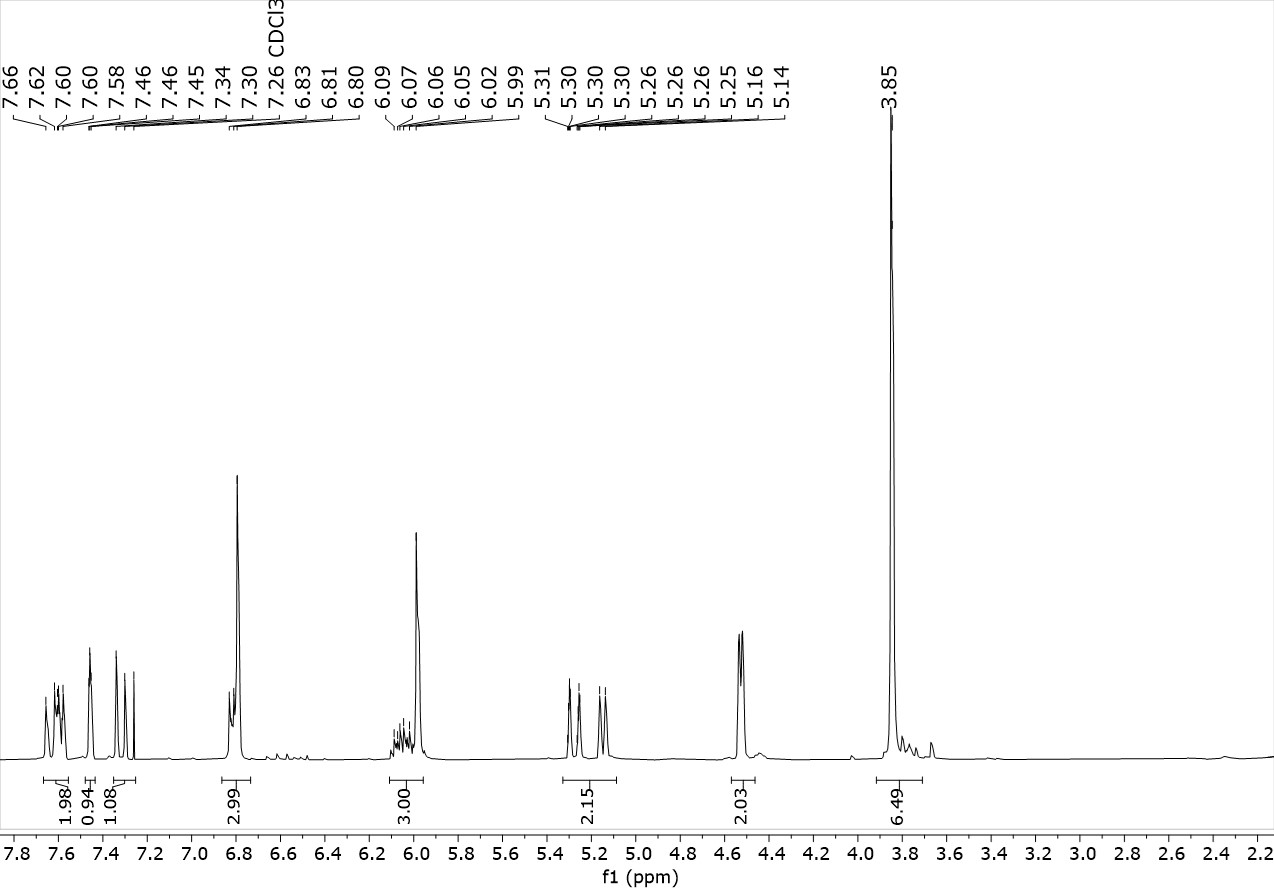


Figure 16: 13C RMN (CDCl3, 100 MHz) Compound 6 (**CP06**)

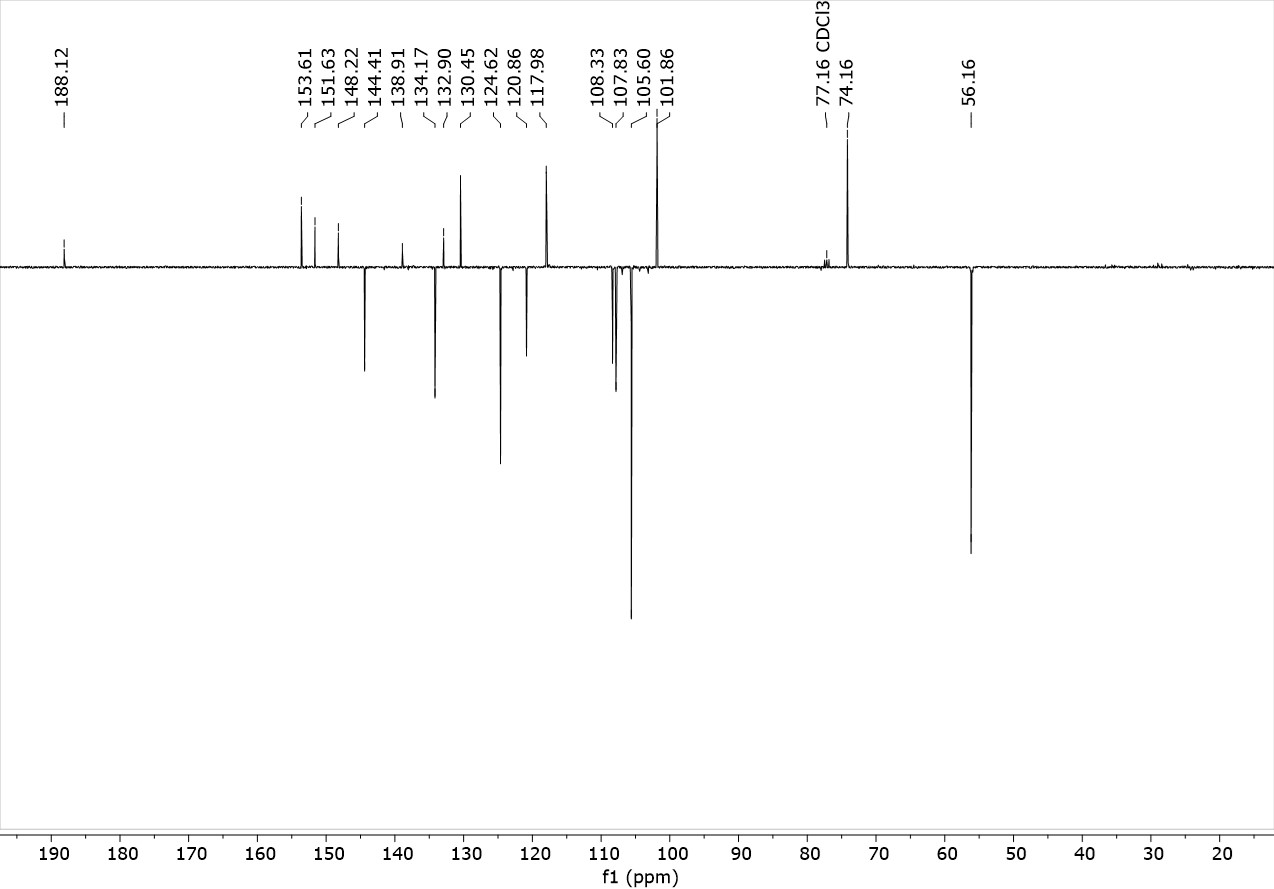


Figure 17: Mass spetrum HRMS (ESI-TOF+) Compound CP06.

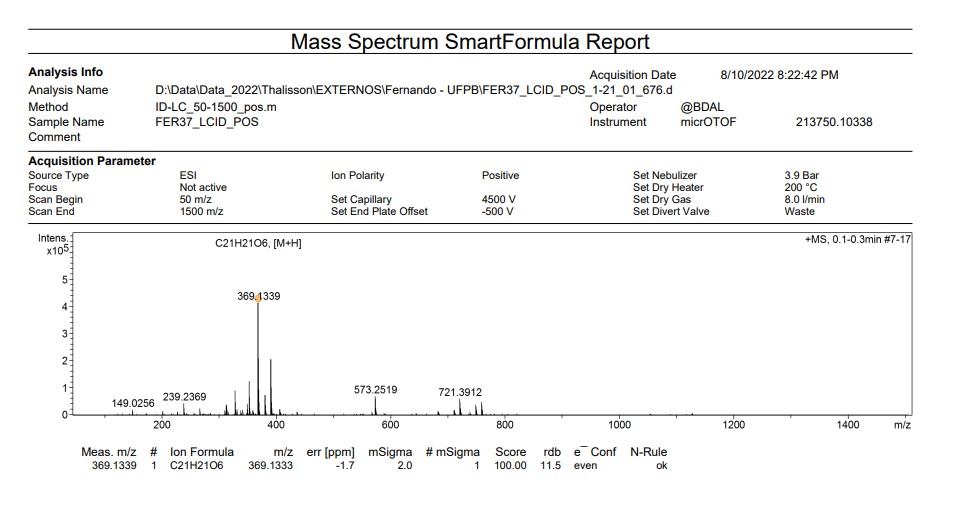


Figure 18: 1H RMN (CDCl3, 400 MHz) Compound 7 (**CP07**)

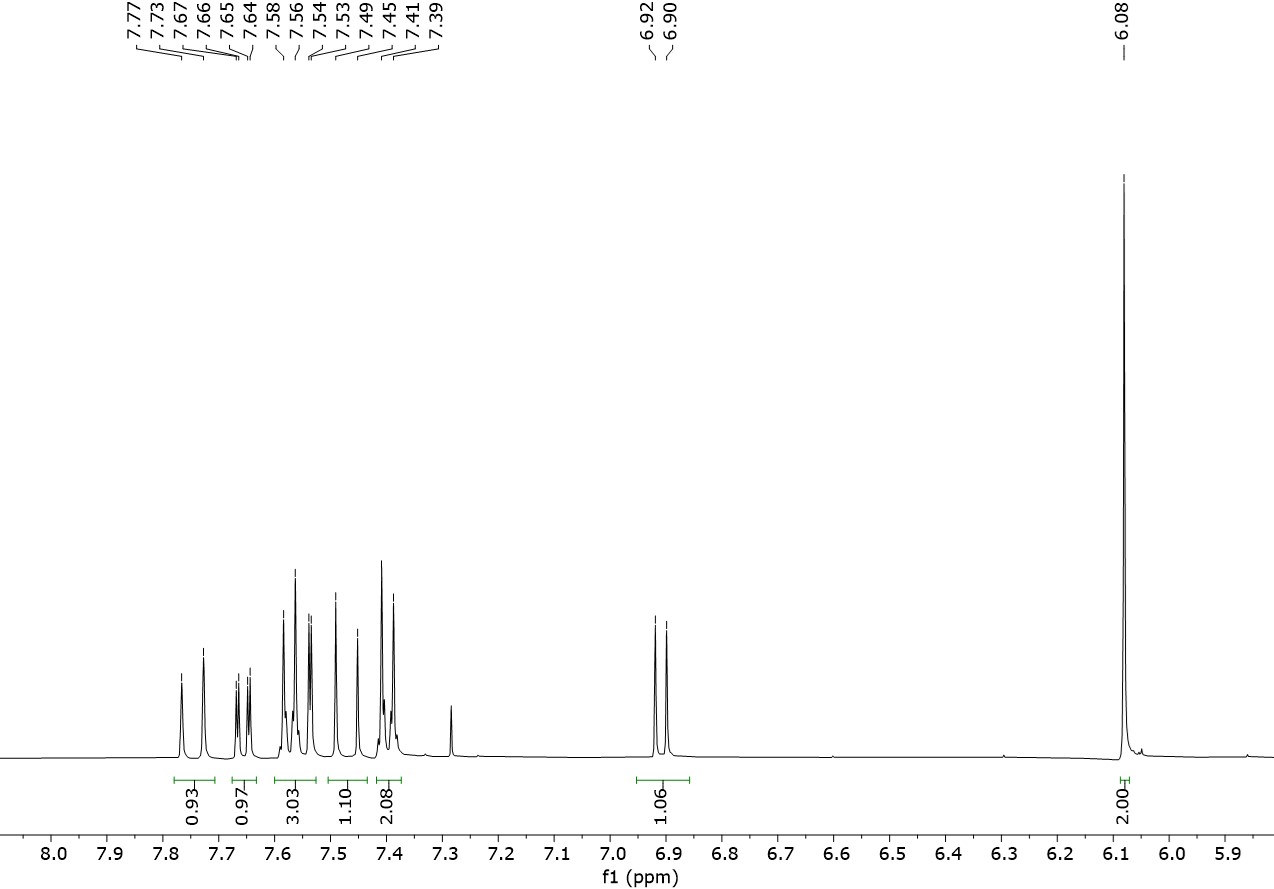


Figure 19: 13C RMN (CDCl3, 100 MHz) Compound 7 (**CP07**)

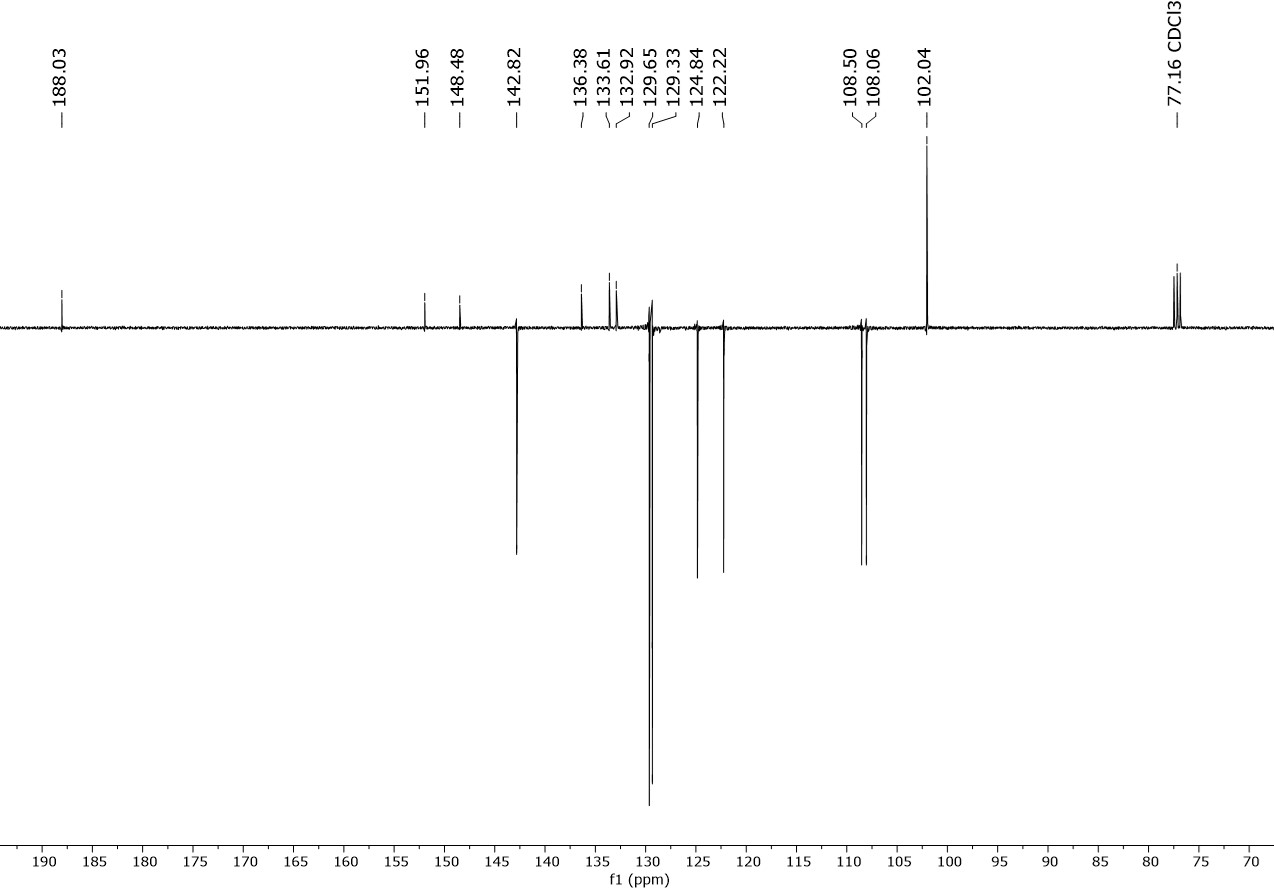


Figure 20: Mass spetrum HRMS (ESI-TOF+) Compound CP07.

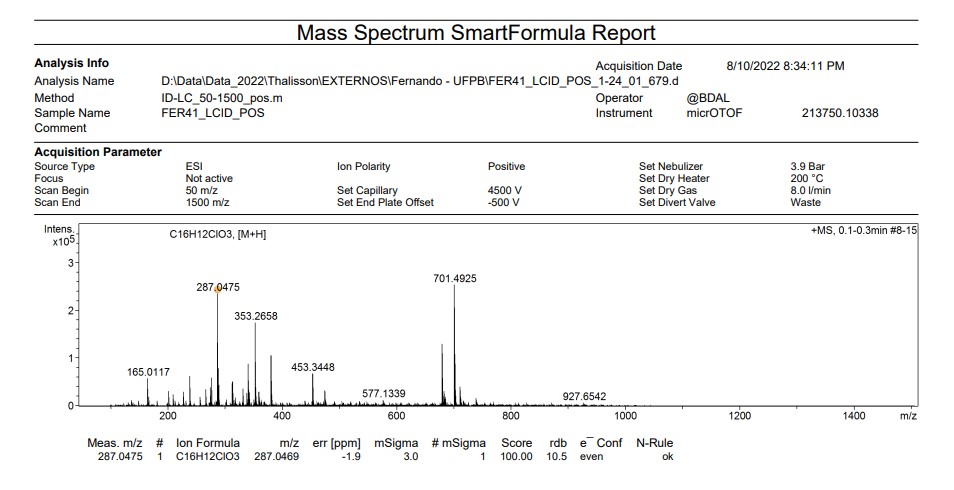


Figure 21: 1H RMN (CDCl3, 400 MHz) Compound 8 (**CP08**)

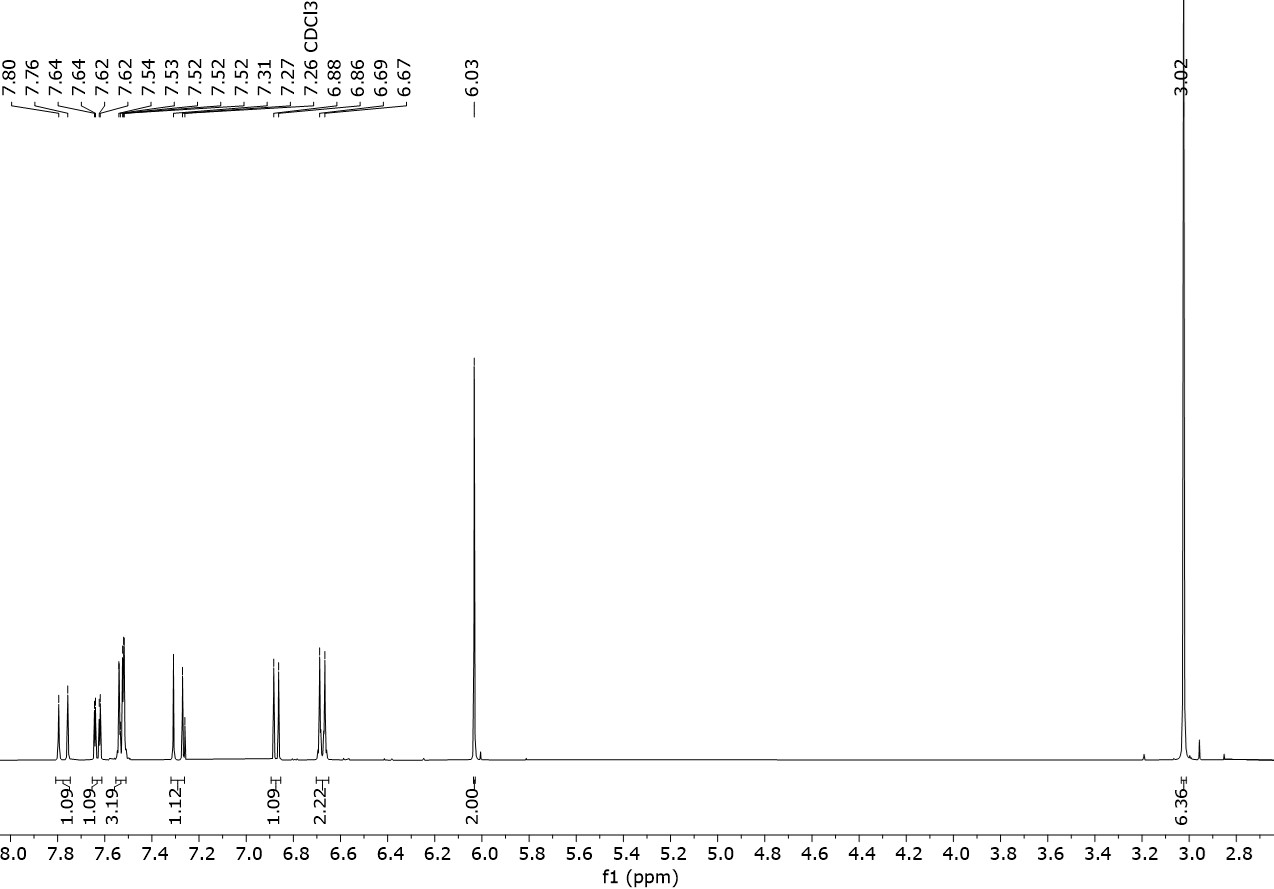


Figure 22: 13C RMN (CDCl3, 100 MHz) Compound 8 (**CP08**)

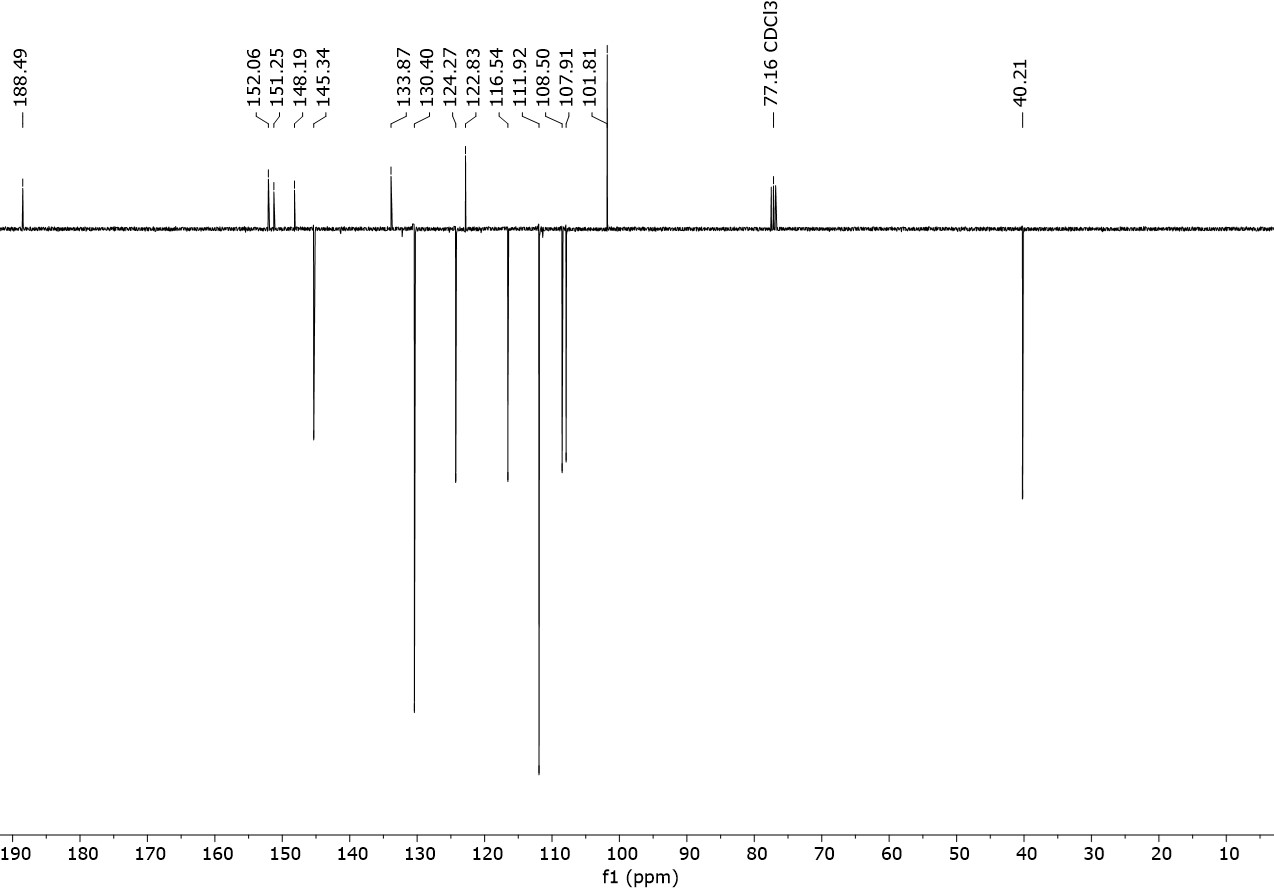


Figure 23: Mass spetrum HRMS (ESI-TOF+) Compound **CP08**.

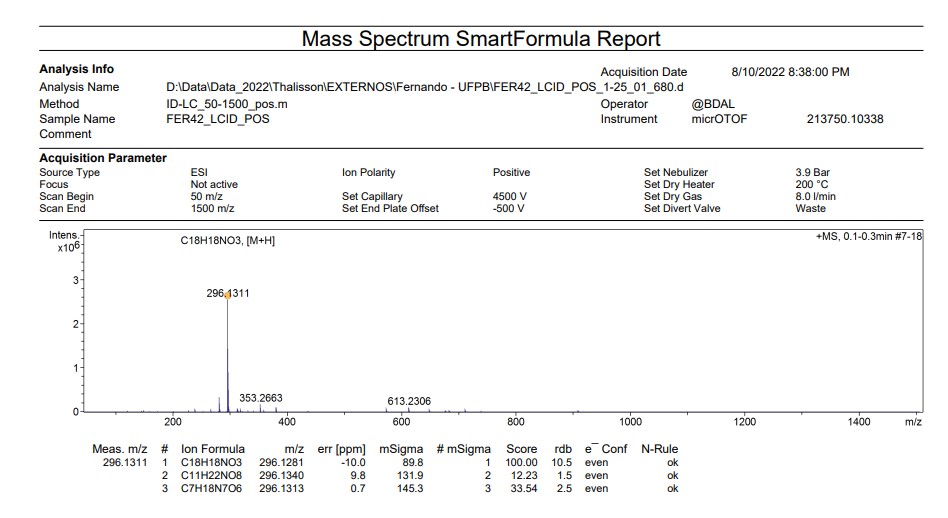


Figure 24: 1H RMN (CDCl3, 400 MHz) Compound 9 (**CP09**)

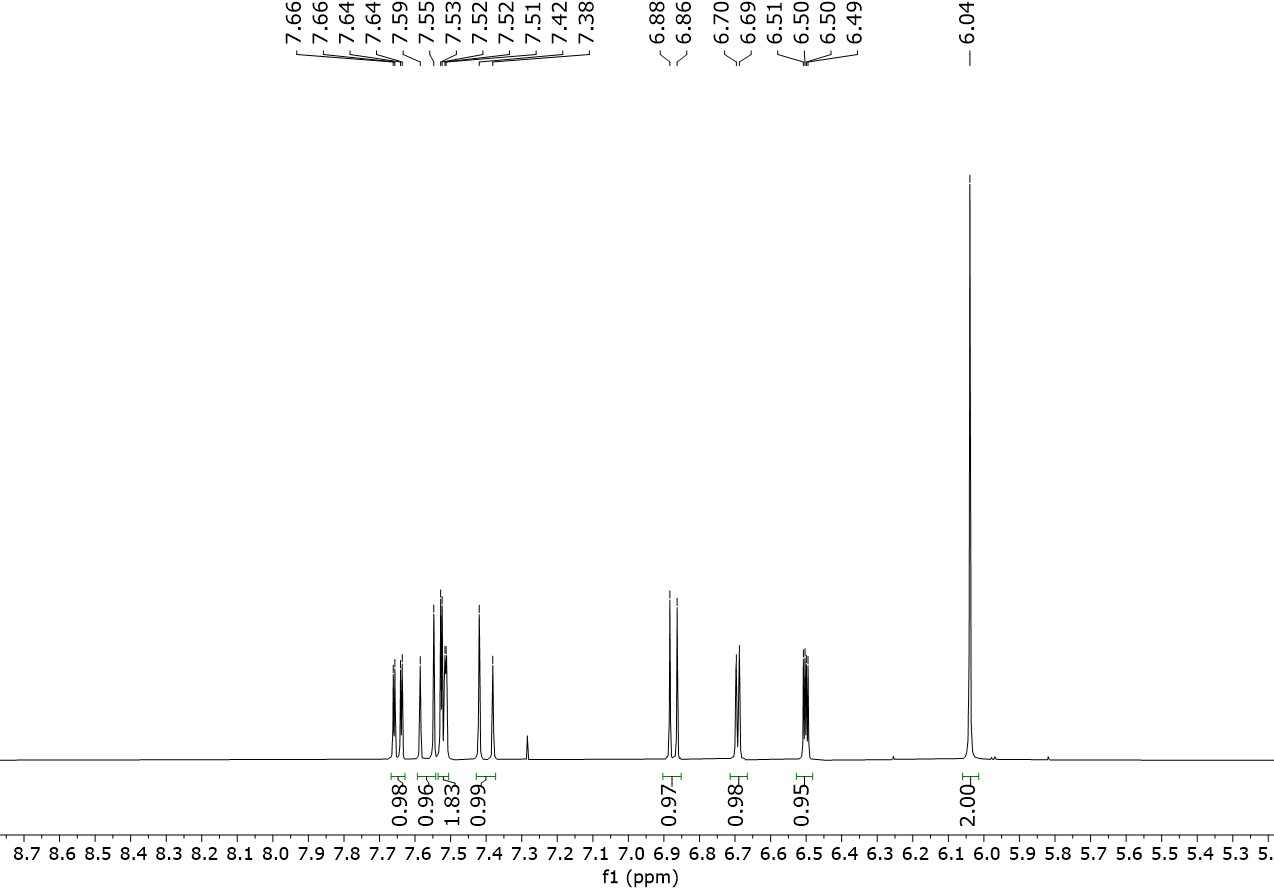


Figure 25: 13C RMN (CDCl3, 100 MHz) Compound 9 (**CP09**)

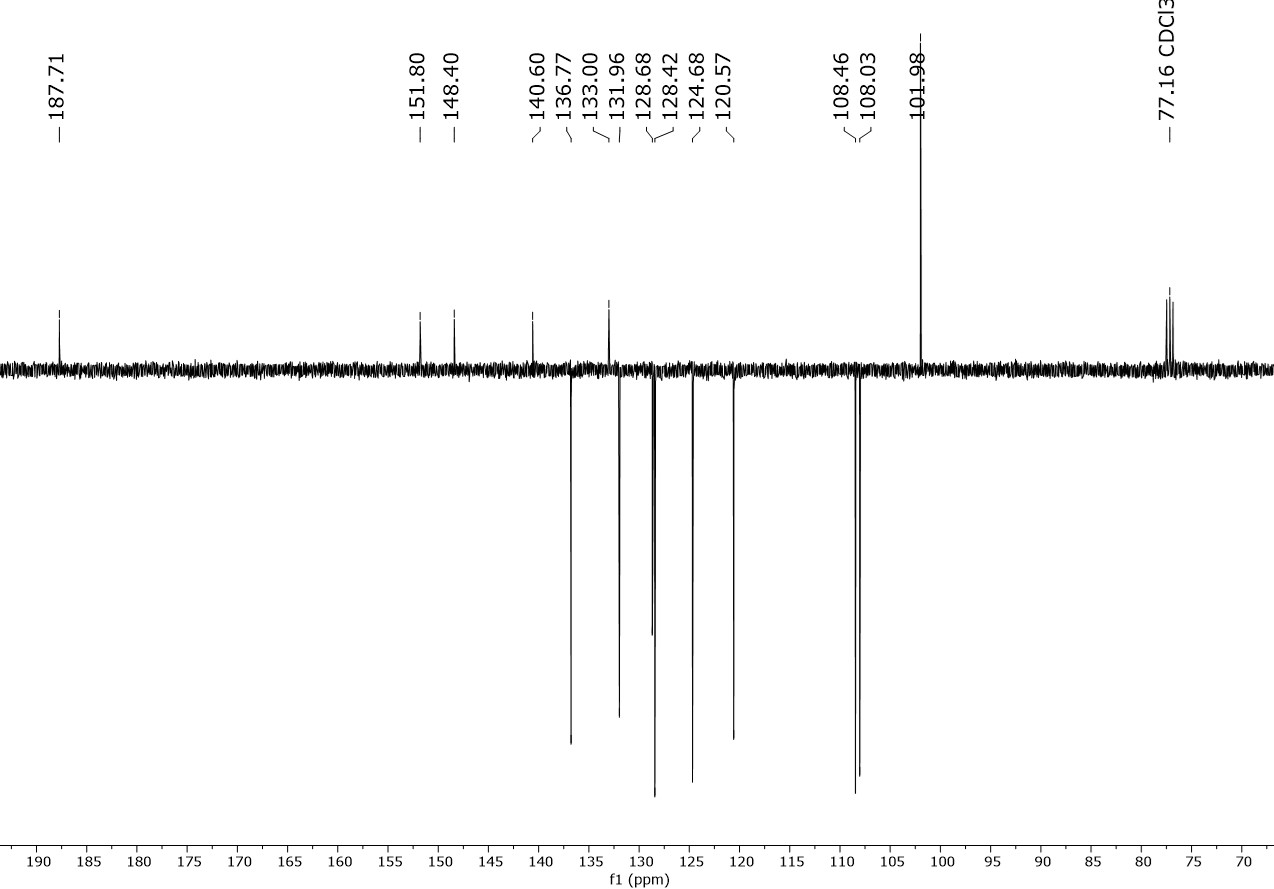


Figure 26: Mass spetrum HRMS (ESI-TOF+) Compound **CP09**.

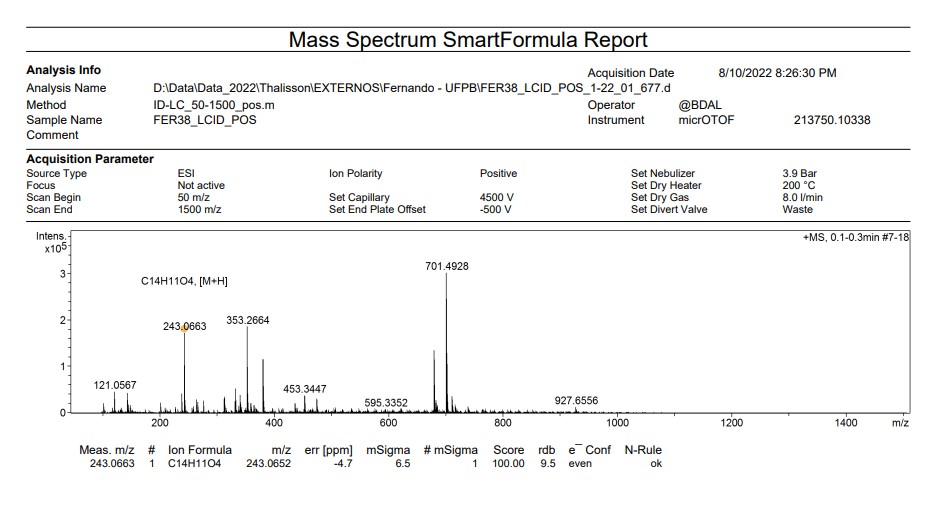


Figure 27: 1H RMN (CDCl3, 400 MHz) Compound 10 (**CP10**)

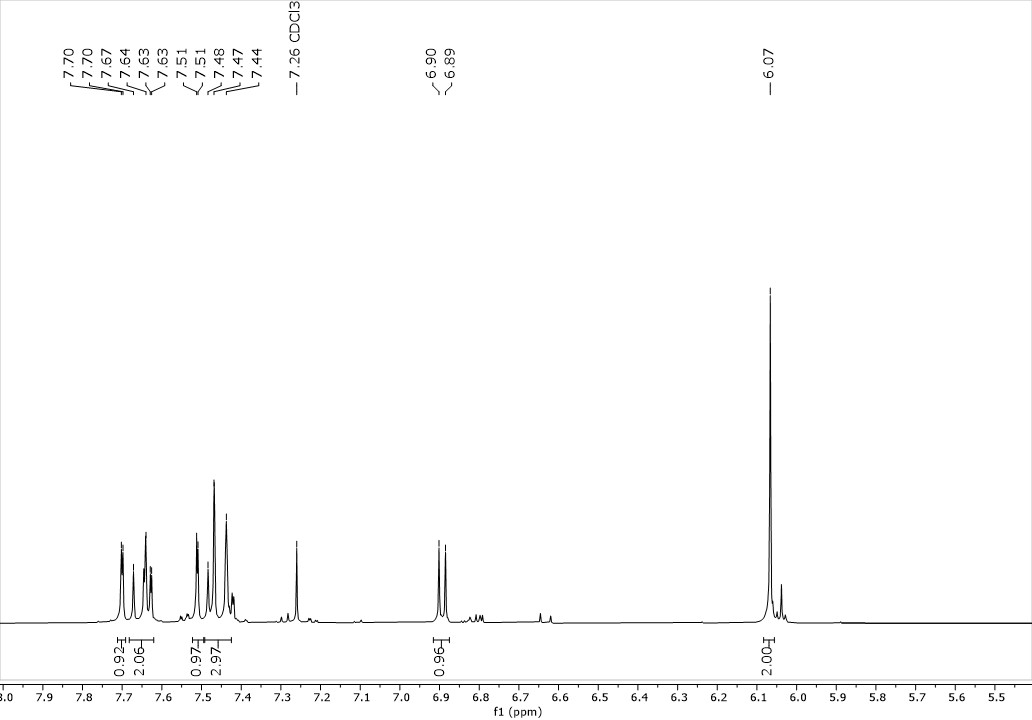


Figure 28: 13C RMN (CDCl3, 100 MHz) Compound 10 (**CP010**)

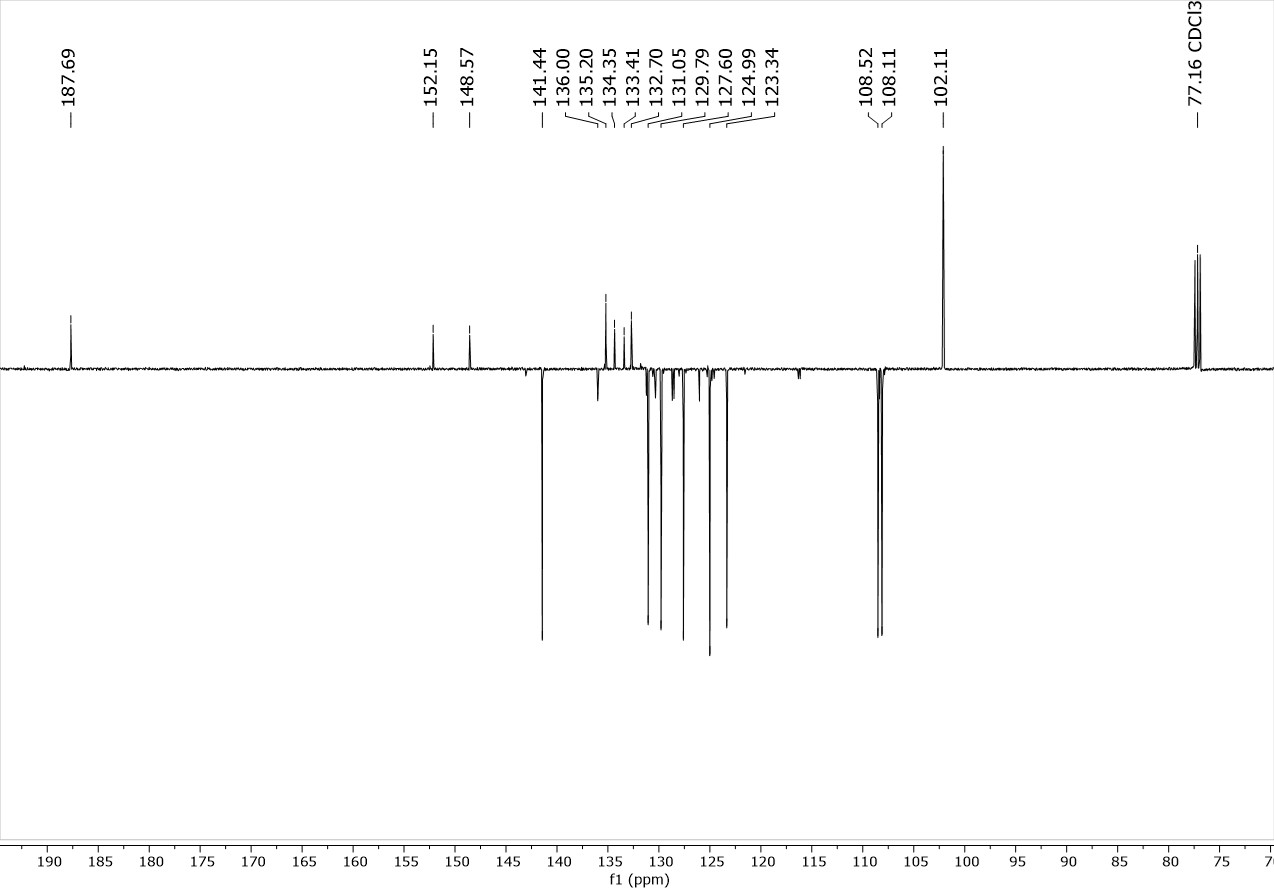


Figure 29: Mass spetrum HRMS (ESI-TOF+) Compound **CP10**.

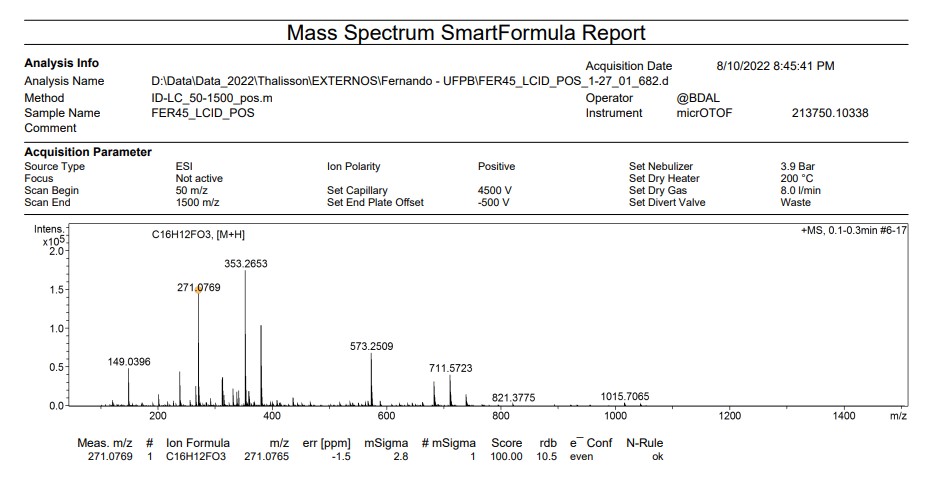


Figure 30: Graph of antileishmanial activity of compounds CP03, CP04 e CP06.

