

Synthesis, Spectroscopic, and Thermal Analyses of 2-Oxo-1,2-dihydroquinolin-8-yl 4-chlorobenzoate

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SUPPORTING INFORMATION

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1. Copies of MS spectra for compounds 7 and 9

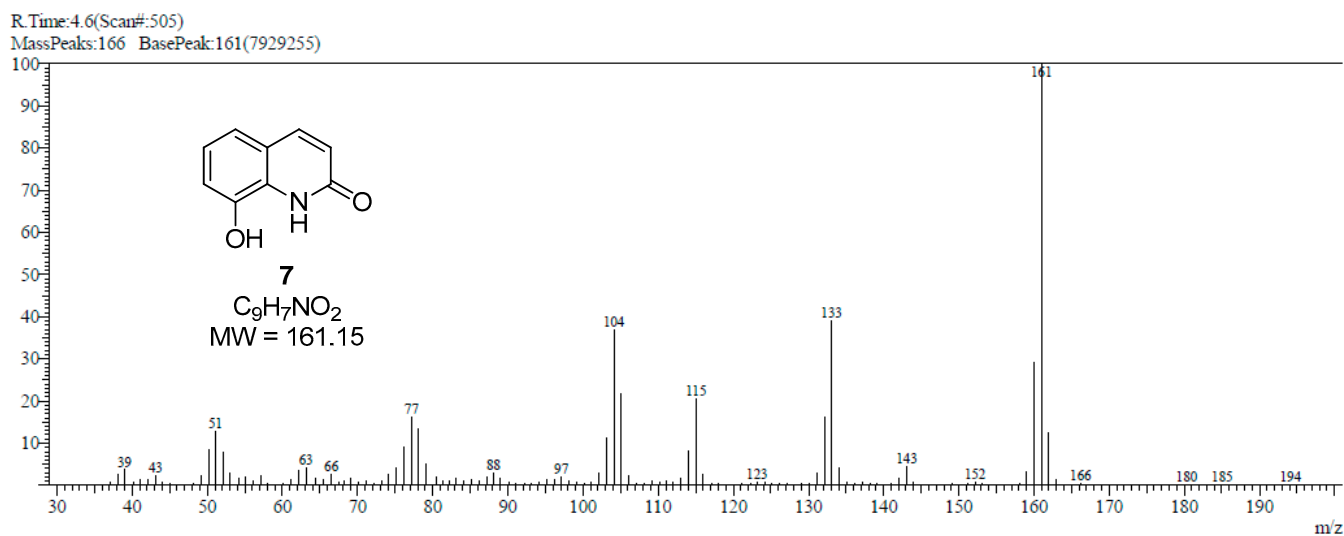


Figure S1: MS spectrum of the compound **7** (EI technique).

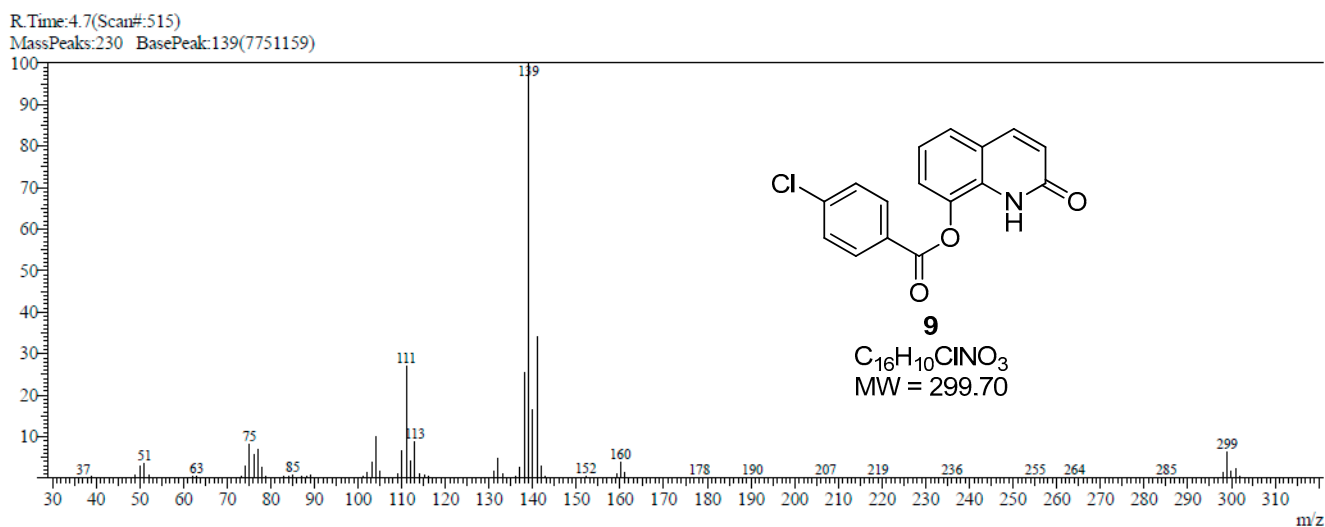


Figure S2: MS spectrum of the compound **9** (EI technique).

2. Copies of FT-IR spectra for compounds 7 and 9

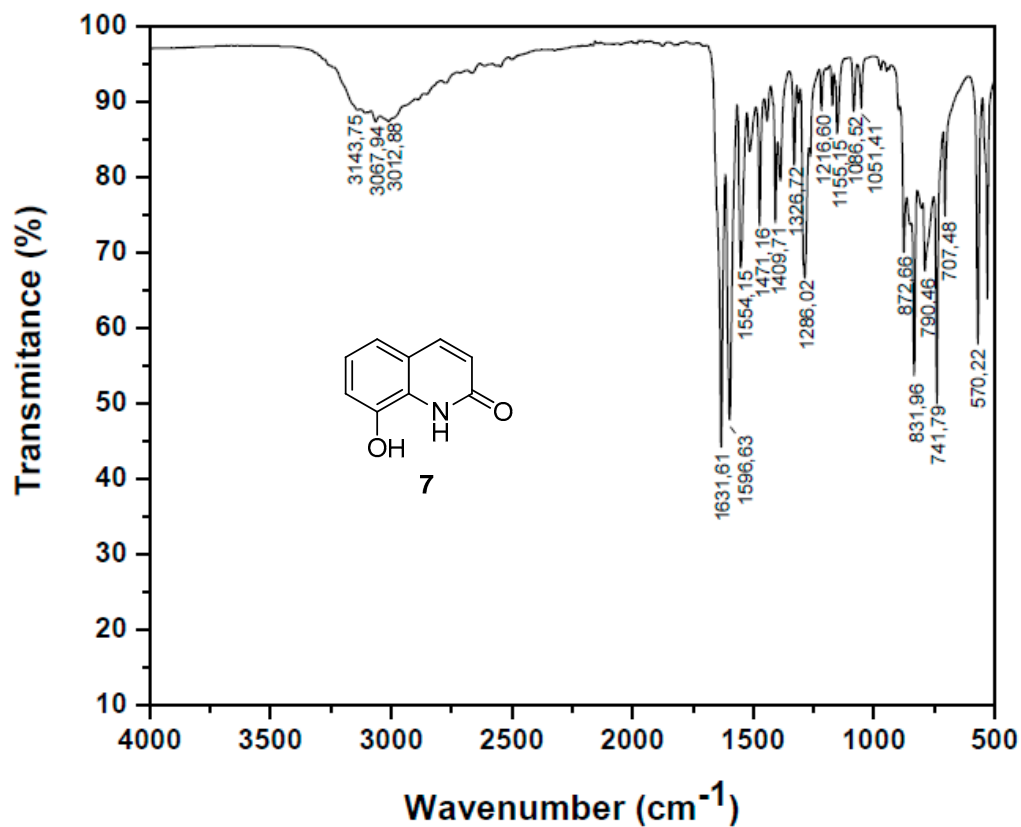


Figure S3: IR spectrum of the compound 7 (ATR technique).

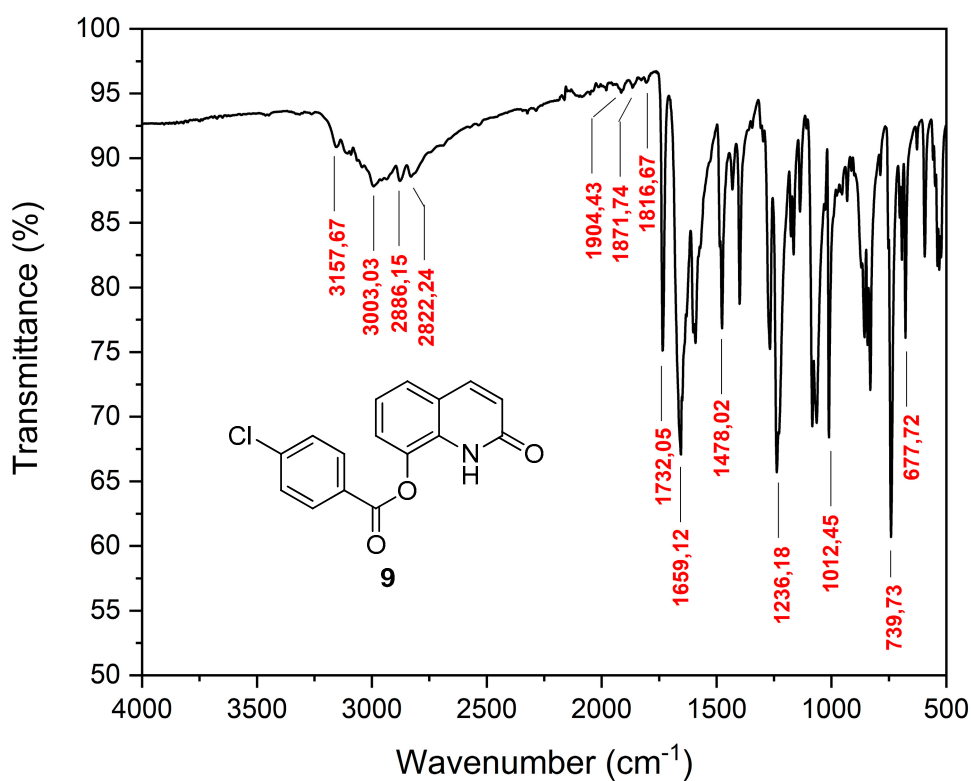


Figure S4: IR spectrum of the compound 9 (ATR technique).

3. Copies of NMR spectra for compounds 7 and 9

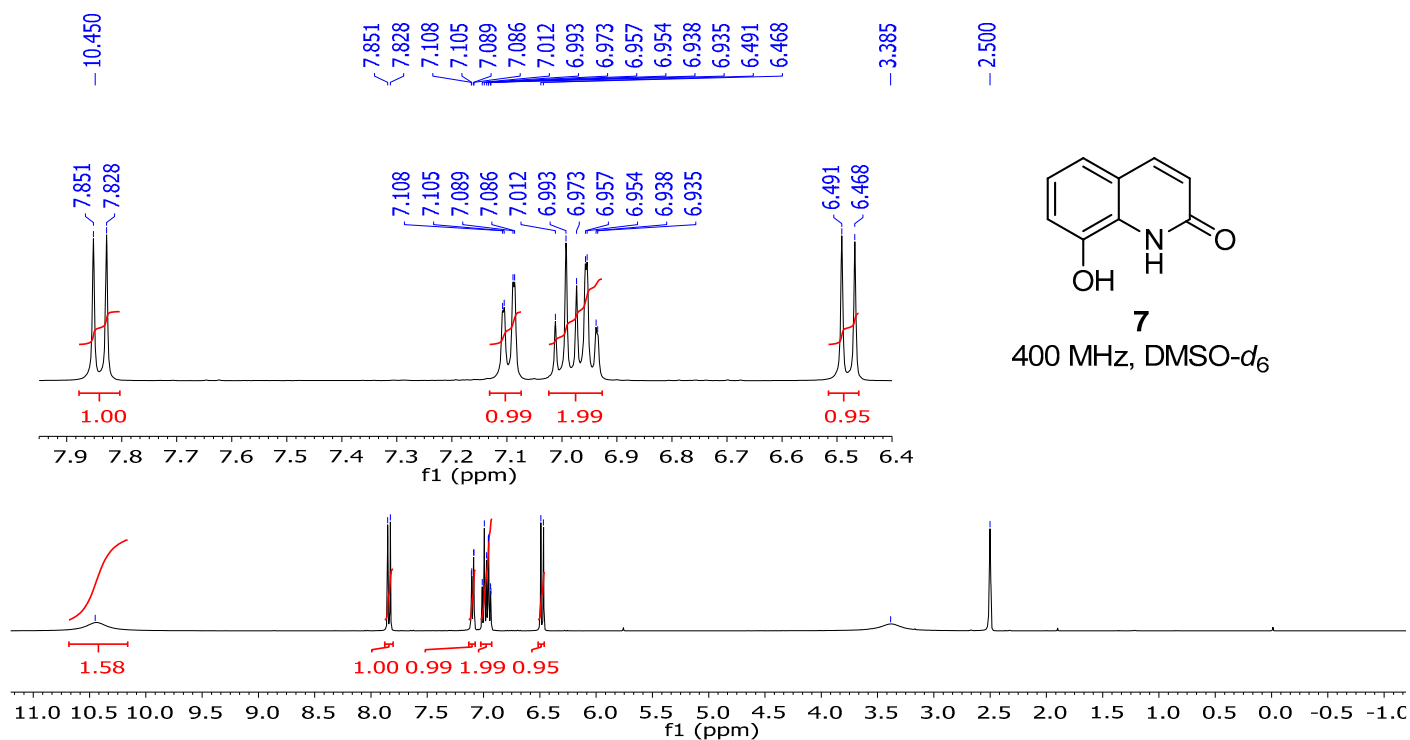


Figure S5: ¹H NMR spectrum of the compound 7.

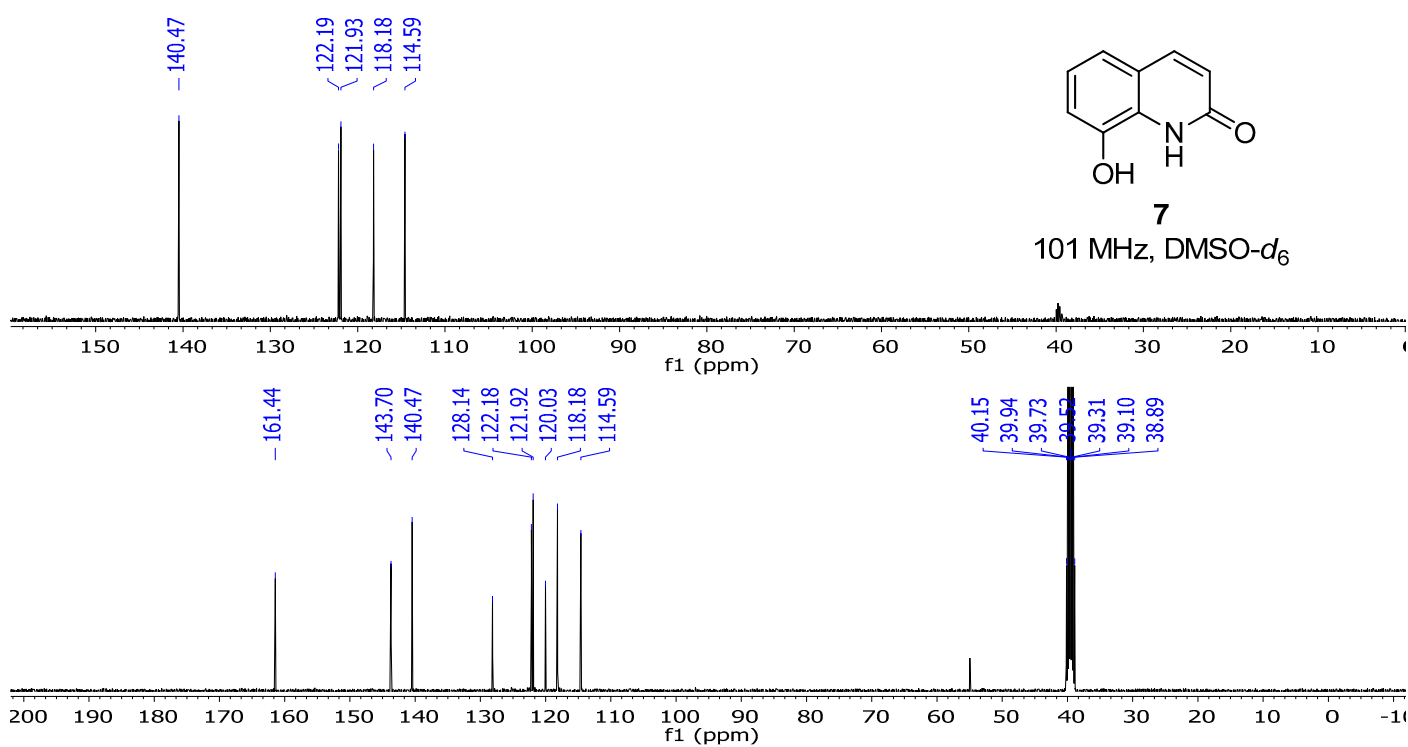


Figure S6: $^{13}\text{C}\{^1\text{H}\}$ NMR and DEPT-135 spectra of the compound 7.

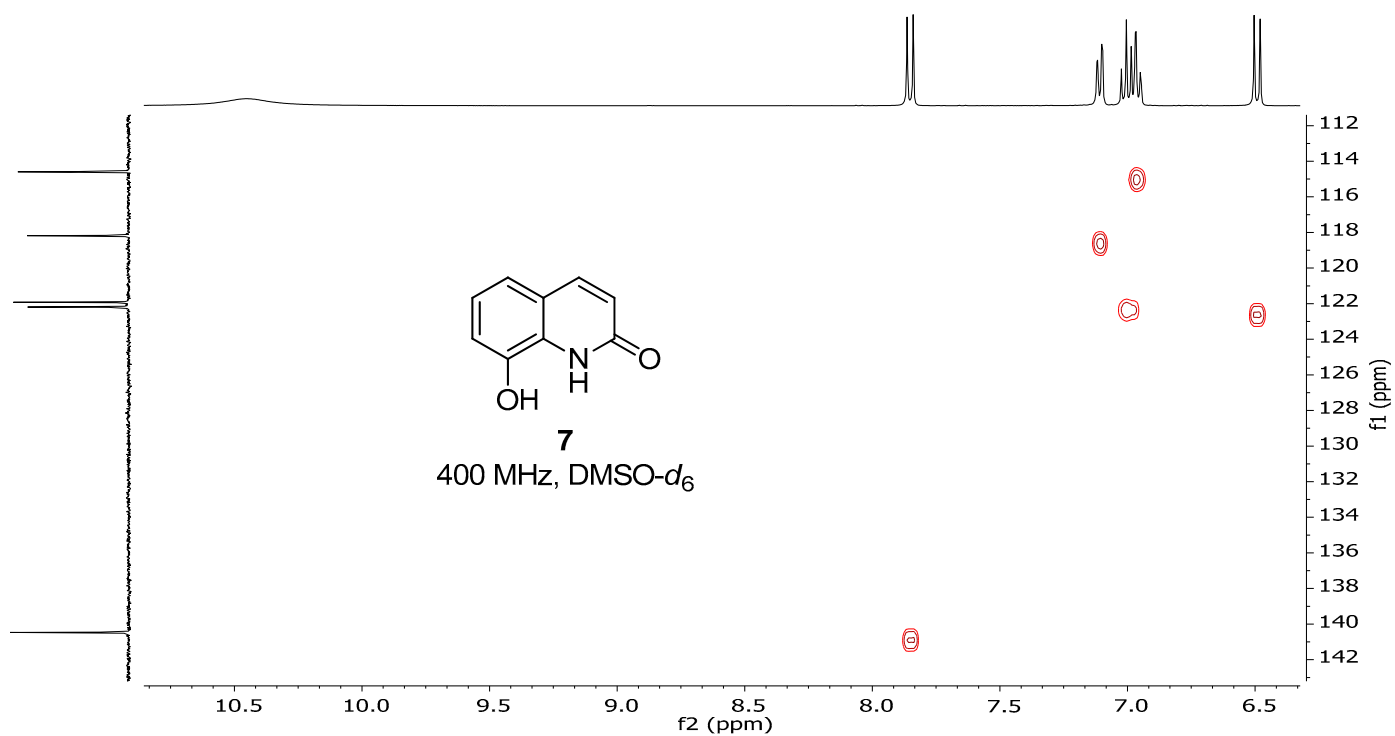
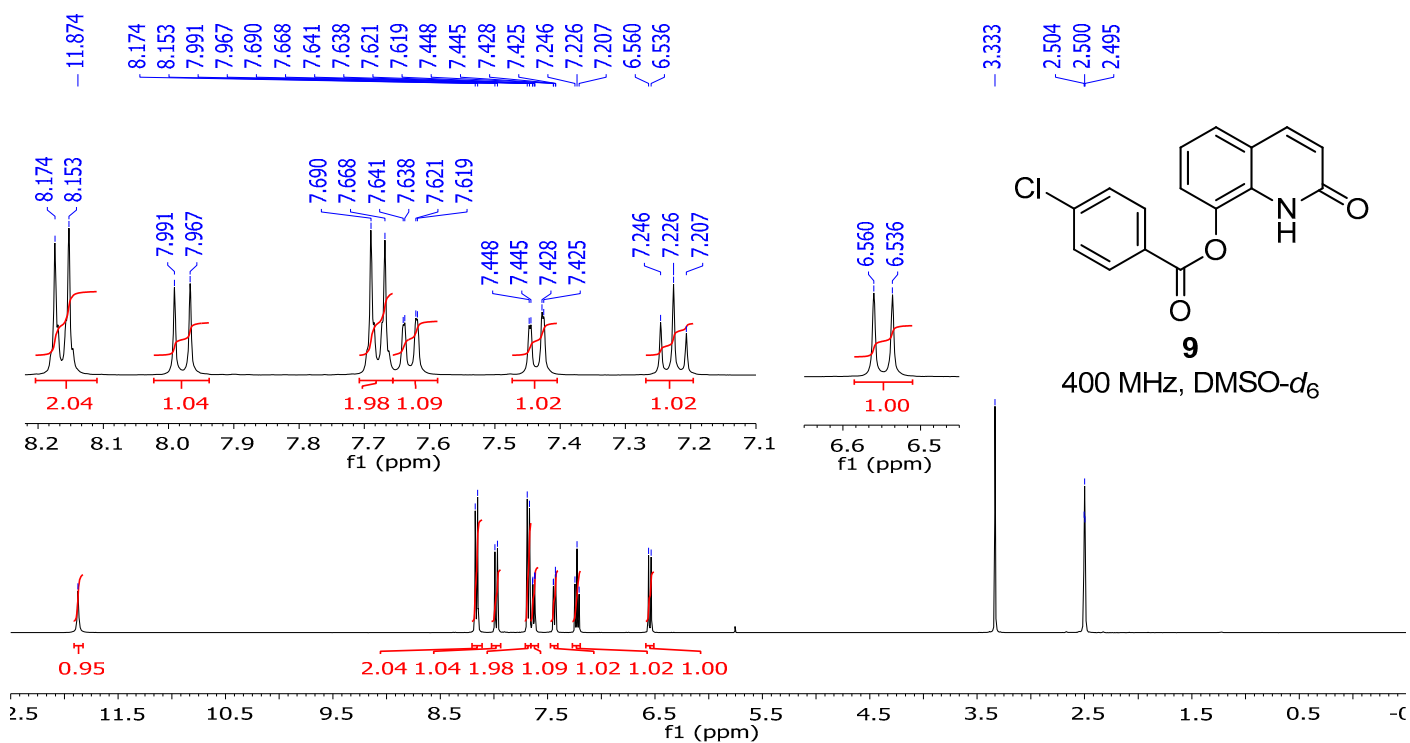


Figure S7: HSQC spectrum of the compound 7.**Figure S8:** ¹H NMR spectrum of the compound 9.

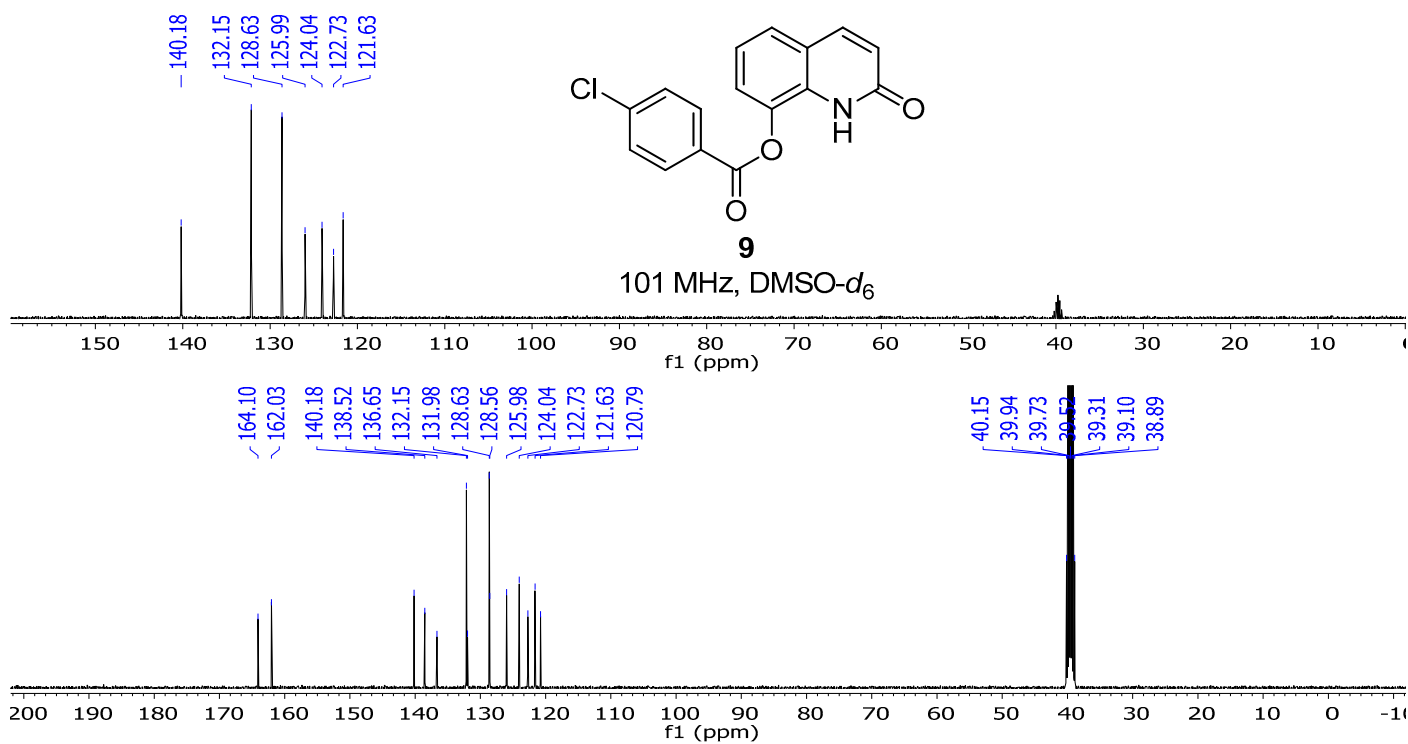


Figure S9: $^{13}\text{C}\{^1\text{H}\}$ NMR and DEPT-135 spectra of the compound **9**.

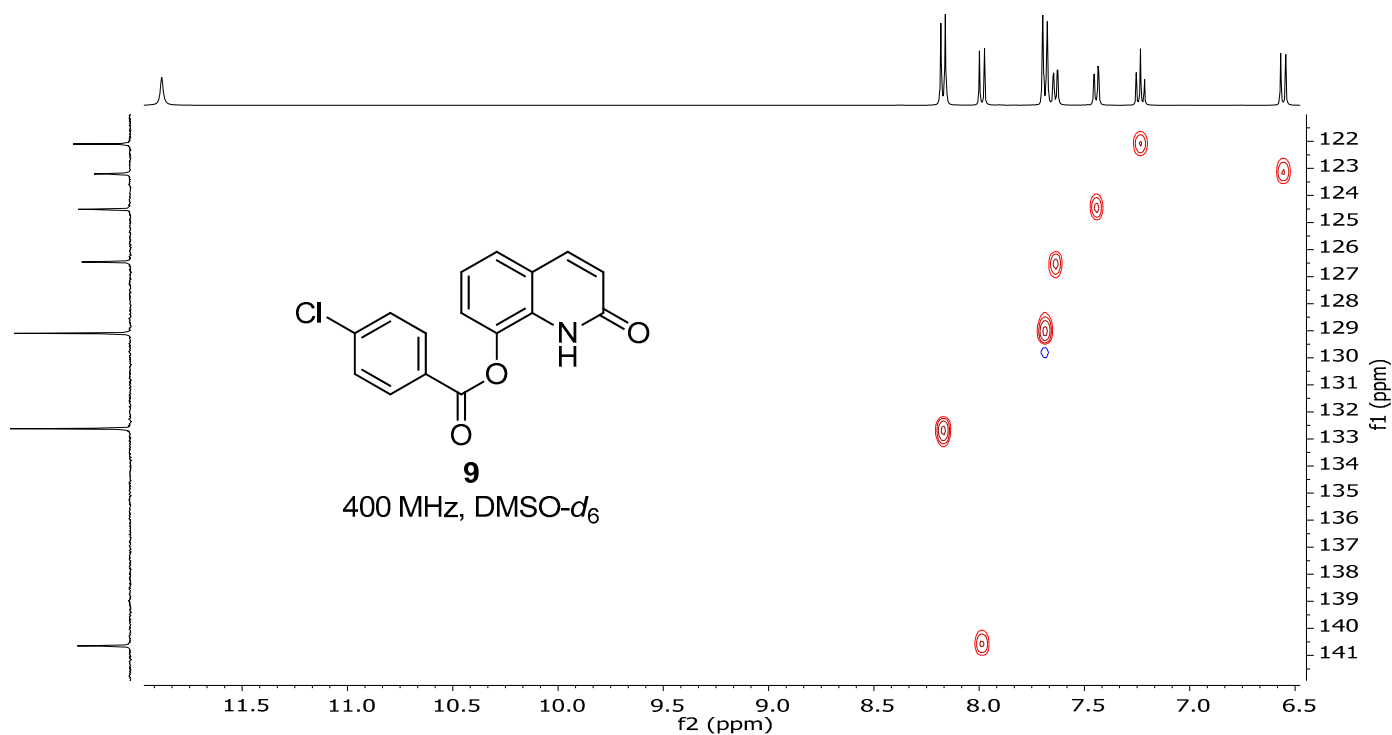


Figure S10: HSQC spectrum of the compound **9**.

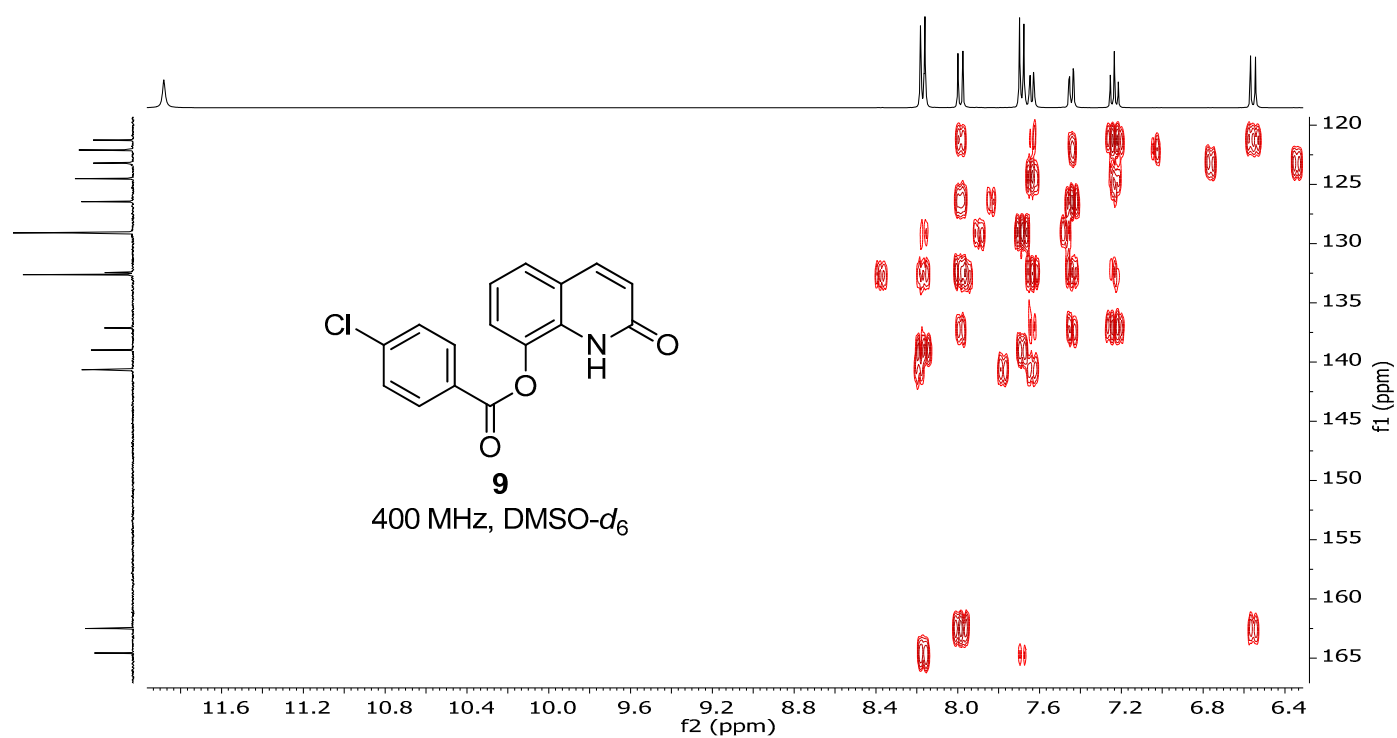


Figure S11: HMBC spectrum of the compound **9**.

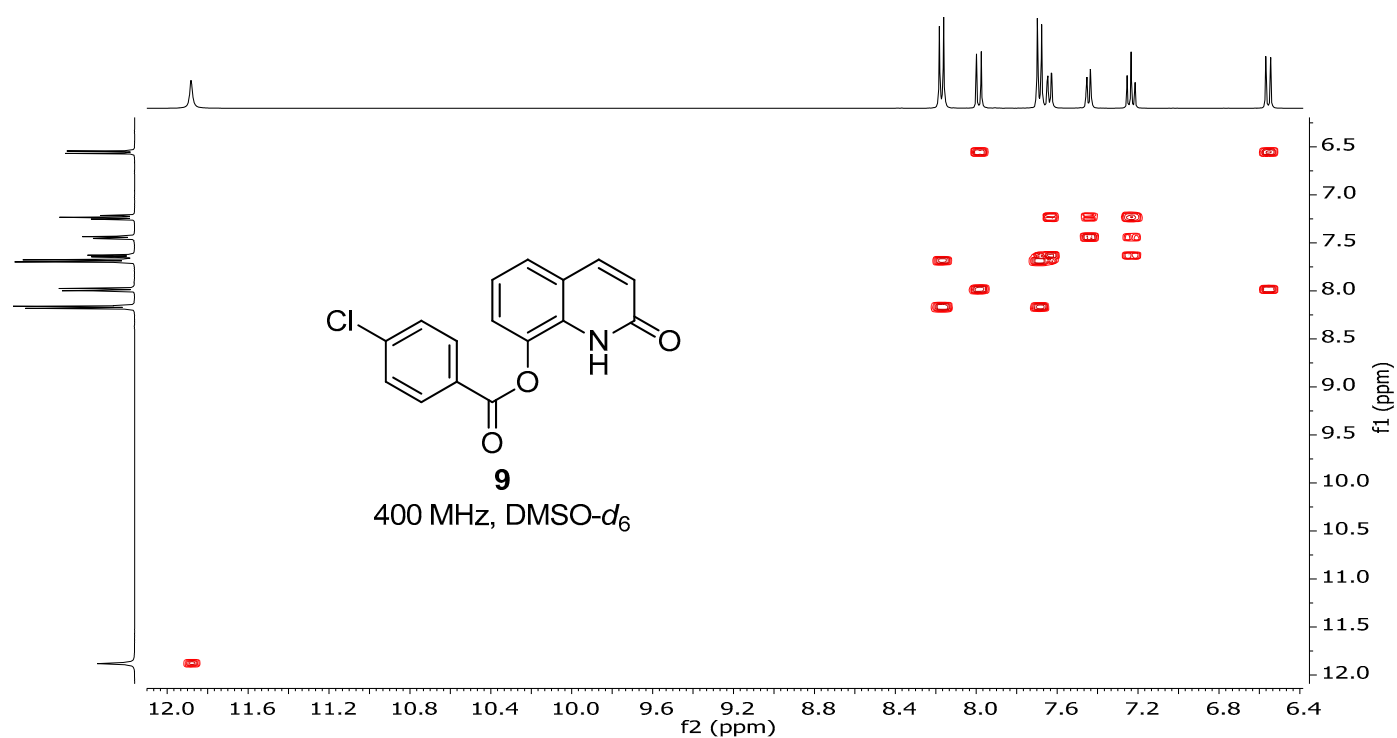


Figure S12: COSY spectrum of the compound **9**.

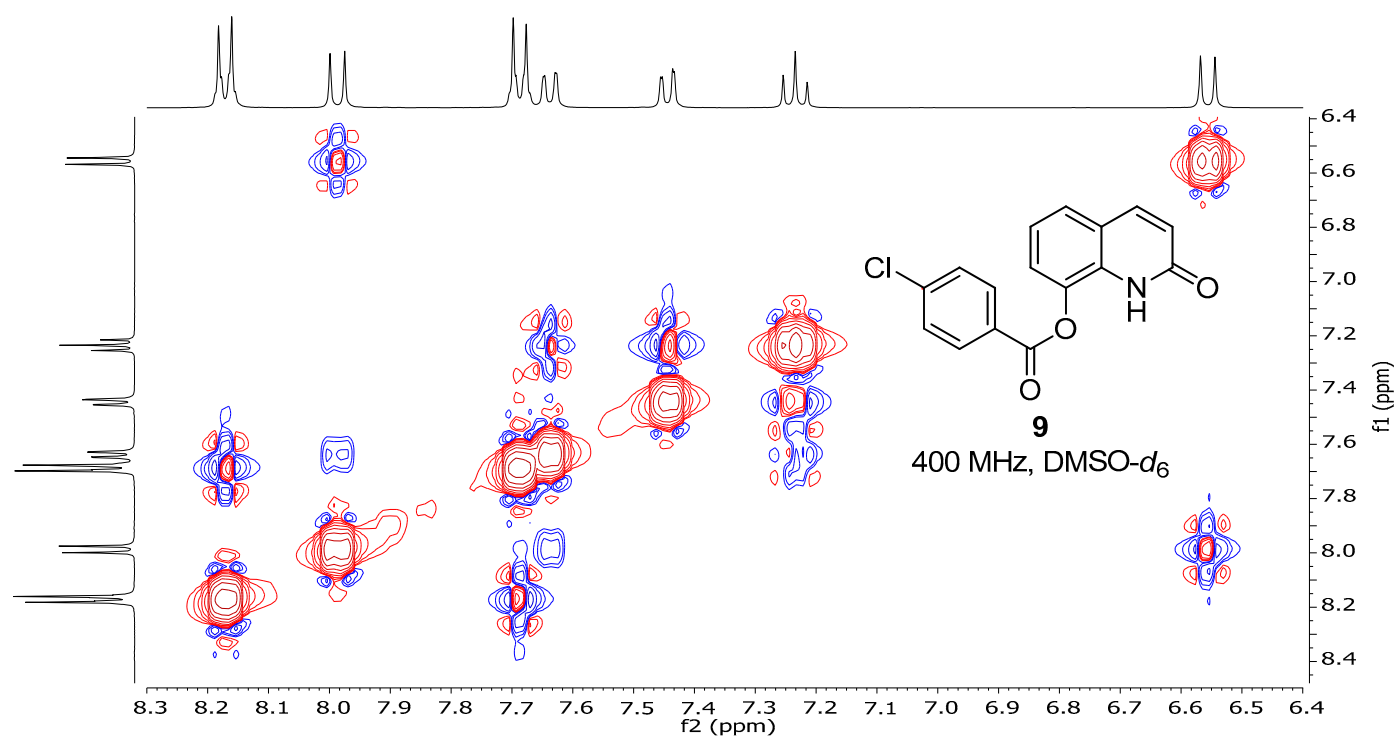


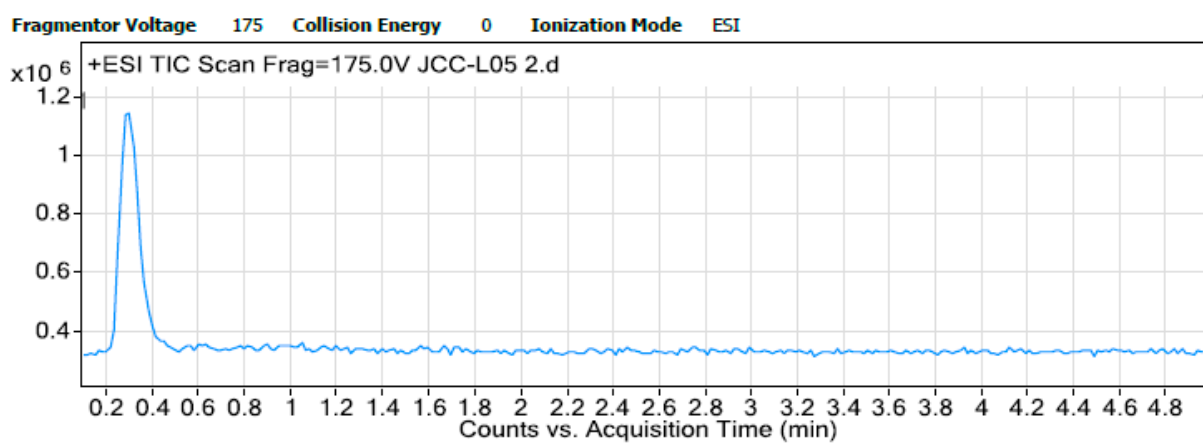
Figure S13: NOESY spectrum of the compound **9**.

4. Copy of the HRMS spectrum for compound 9

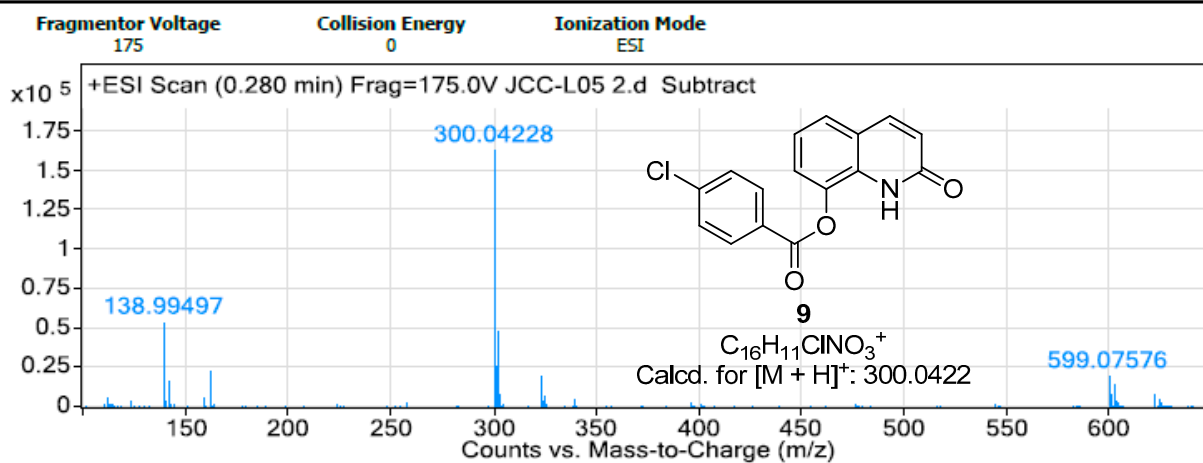
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Tipo de muestra	Sample	Posición	P1-B1
Instrumento	G6520B	Nombre de Usuario	
Método Aq	Default 2021.m	Fecha de adquisición	6/6/2023 10:16:31 AM
IRM Calibration Status	Success	Método DA	Def 2022.m
Comentario			

Sample Group Info.

User Chromatograms



User Spectra



Peak List

m/z	z	Abund	Abund %
138.99497		53950	32.98
140.99211		16254.6	9.94
162.05503		23427	14.32
300.04228	1	163596.2	100
301.04553	1	26654.2	16.29
302.03931	1	48210.8	29.47
303.04185	1	8962.8	5.48
322.02475		19584.8	11.97

Figure S14: HRMS spectrum of the compound 9.