SUPPORTING INFORMATION

Zephycandidine A and Synthetic Analogues – Synthesis and Evaluation of Biological Activity

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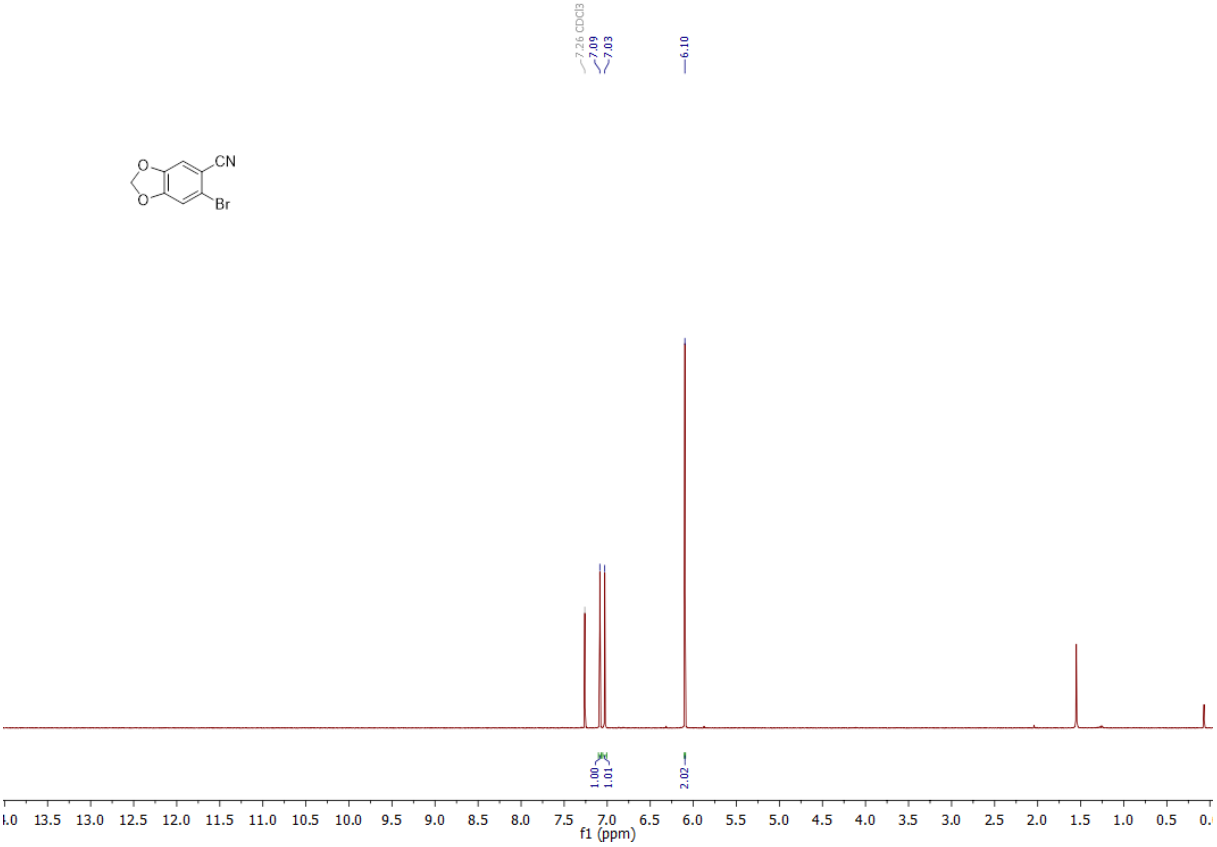
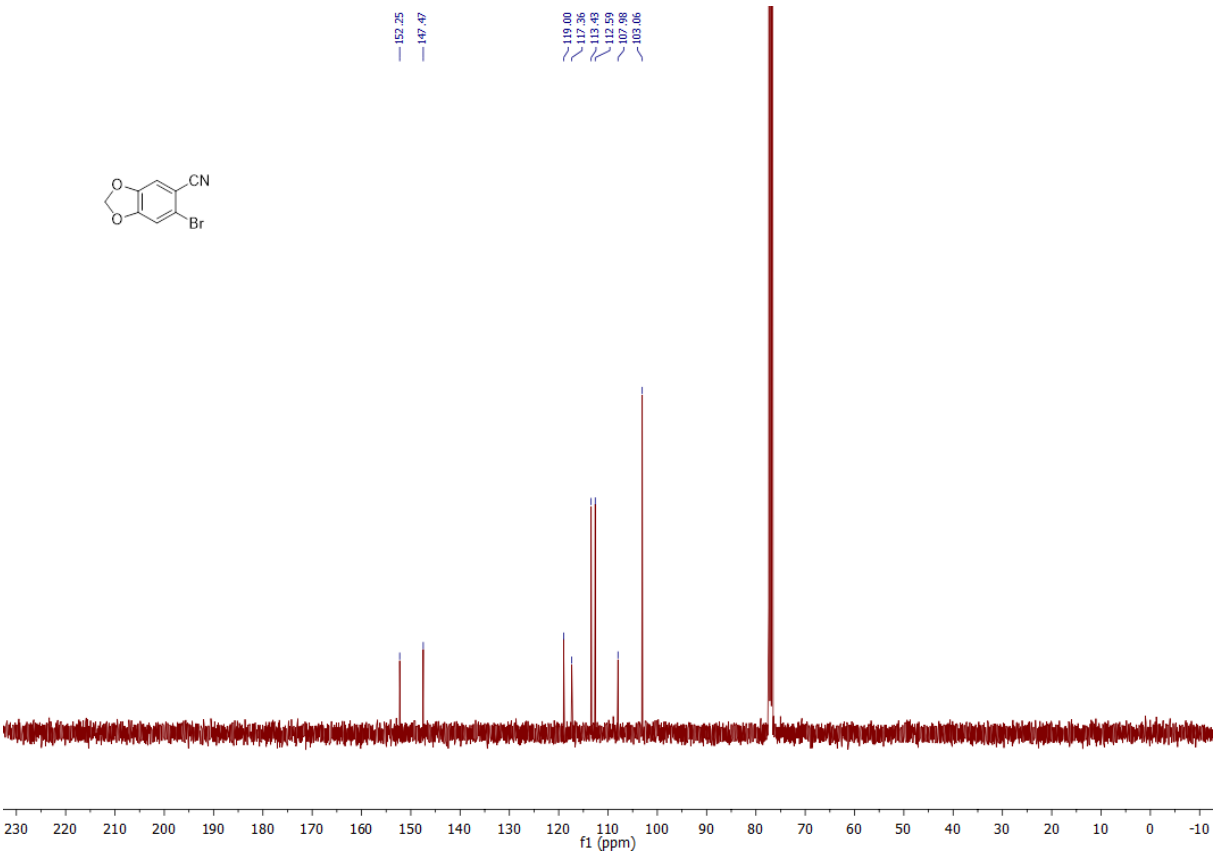
Content:

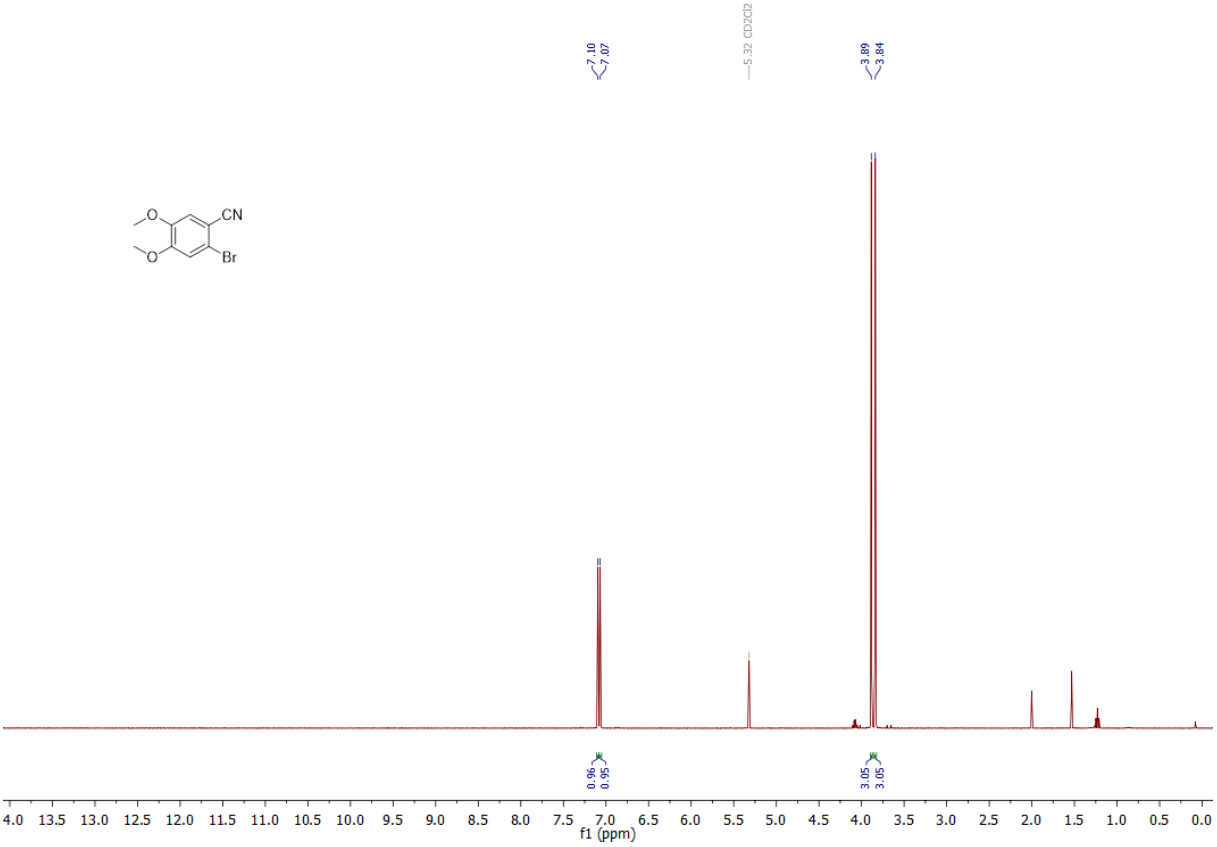
^{1}H NMR spectrum of compound 6a (400 MHz, $CDCl_3$)



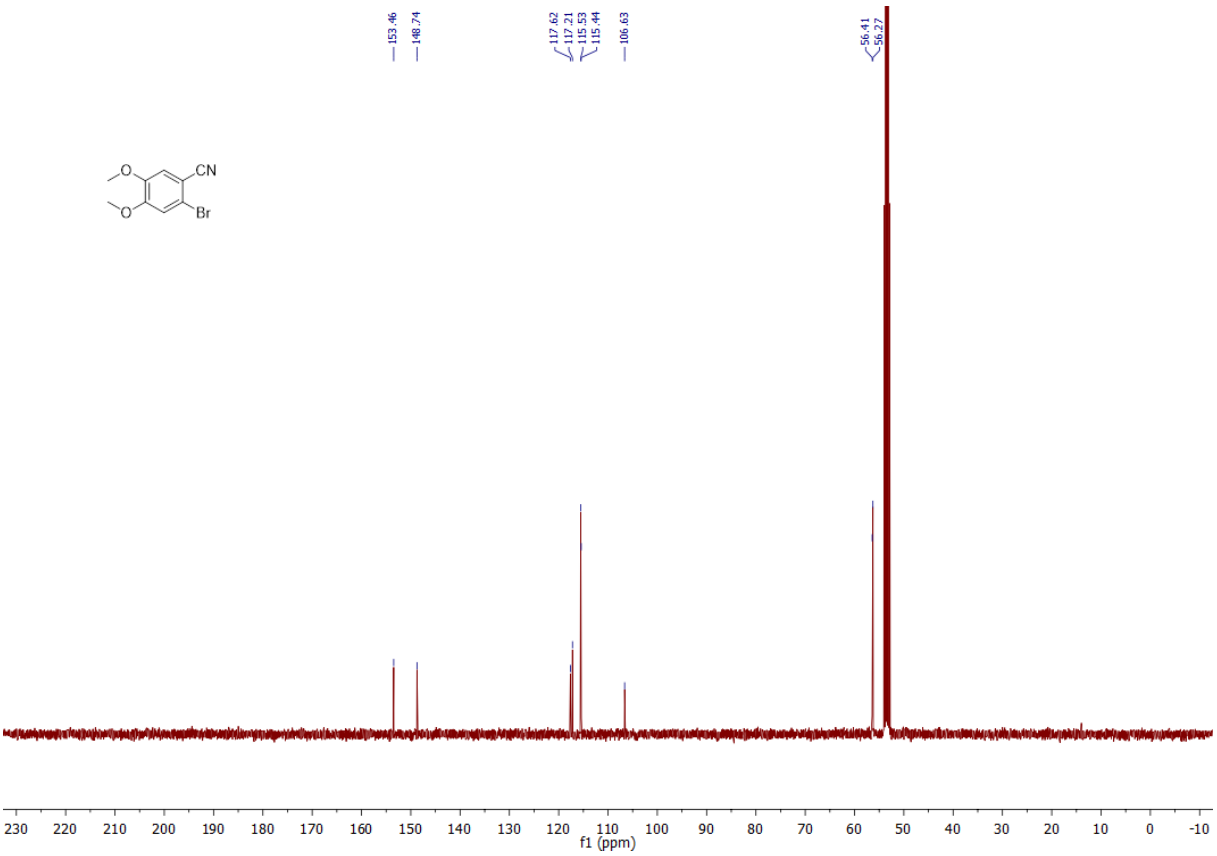
^{13}C NMR spectrum of compound 6a (101 MHz, $CDCl_3$)



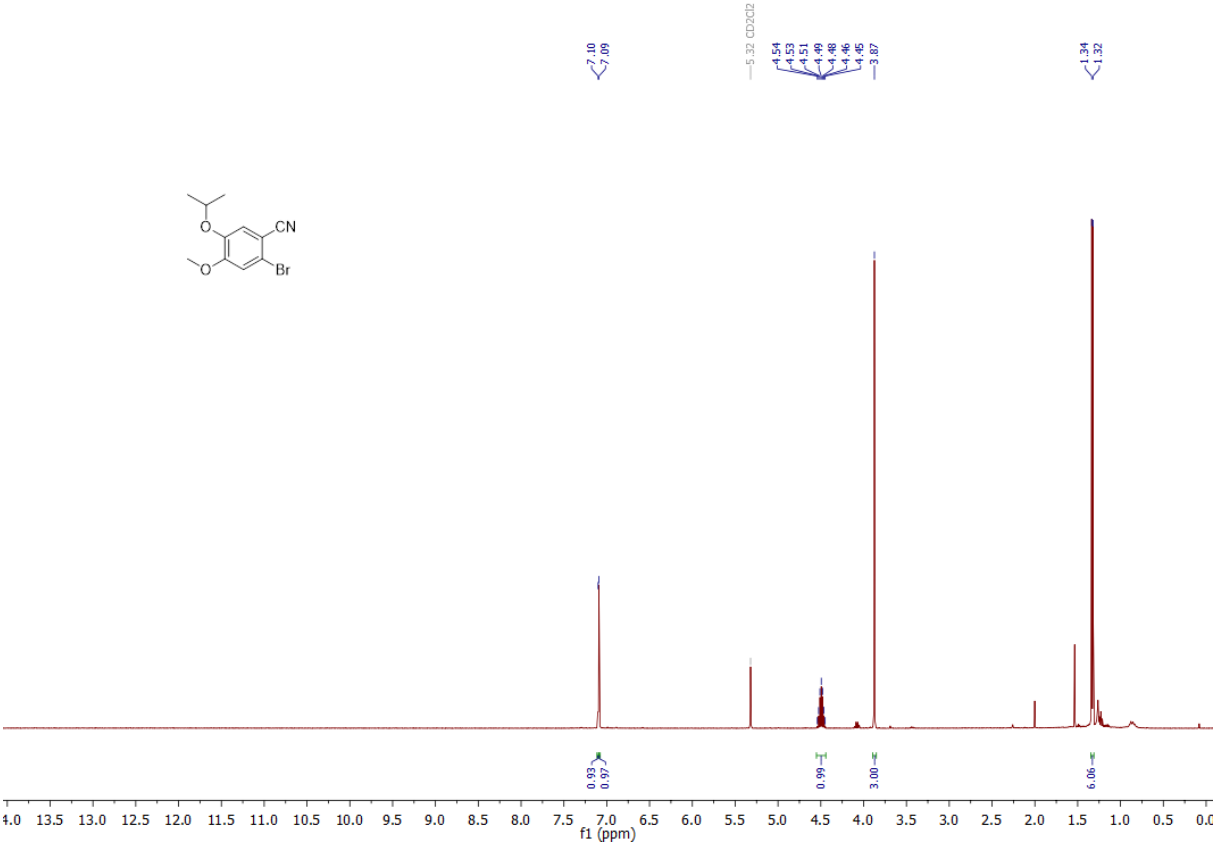
^{1}H NMR spectrum of compound 6b (400 MHz, methylene chloride-d_2)



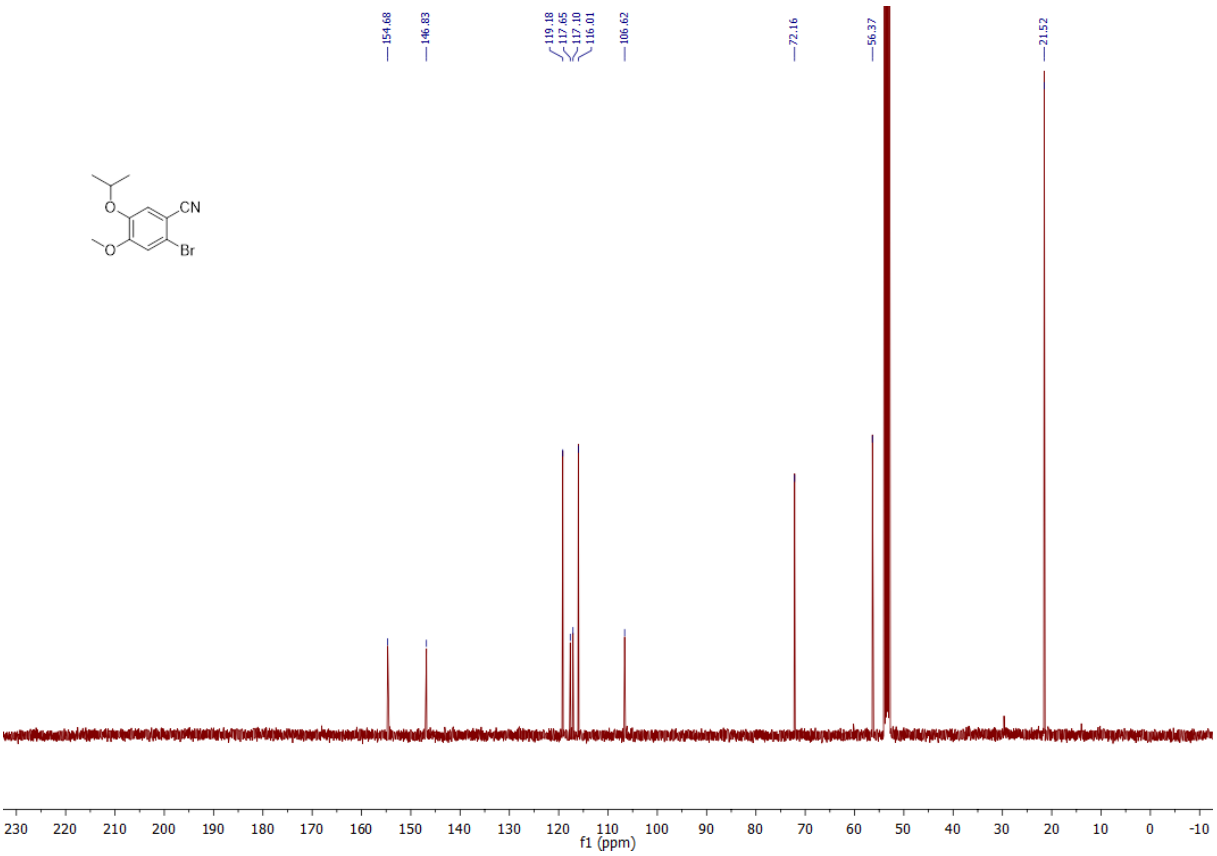
^{13}C NMR spectrum of compound 6b (101 MHz, methylene chloride-d_2)



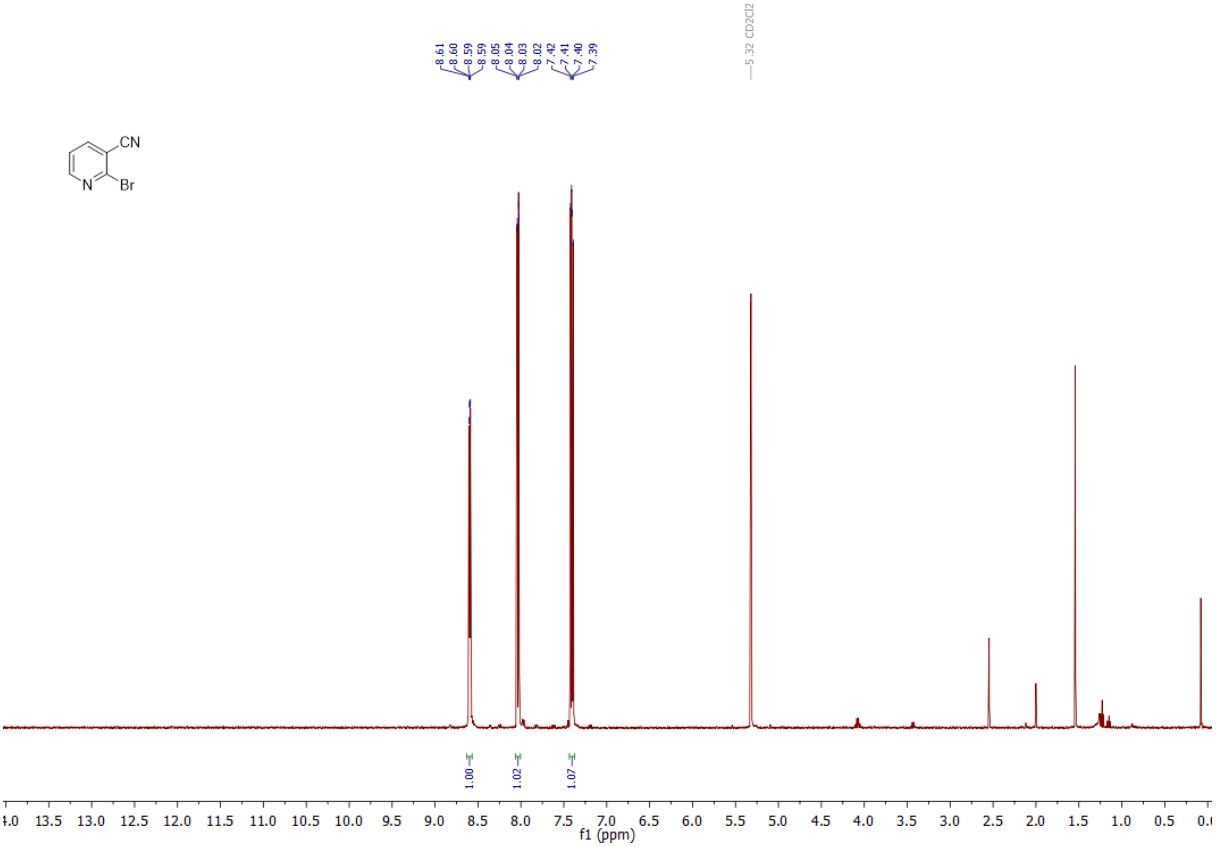
^{1}H NMR spectrum of compound 6d (400 MHz, methylene chloride-d_2)



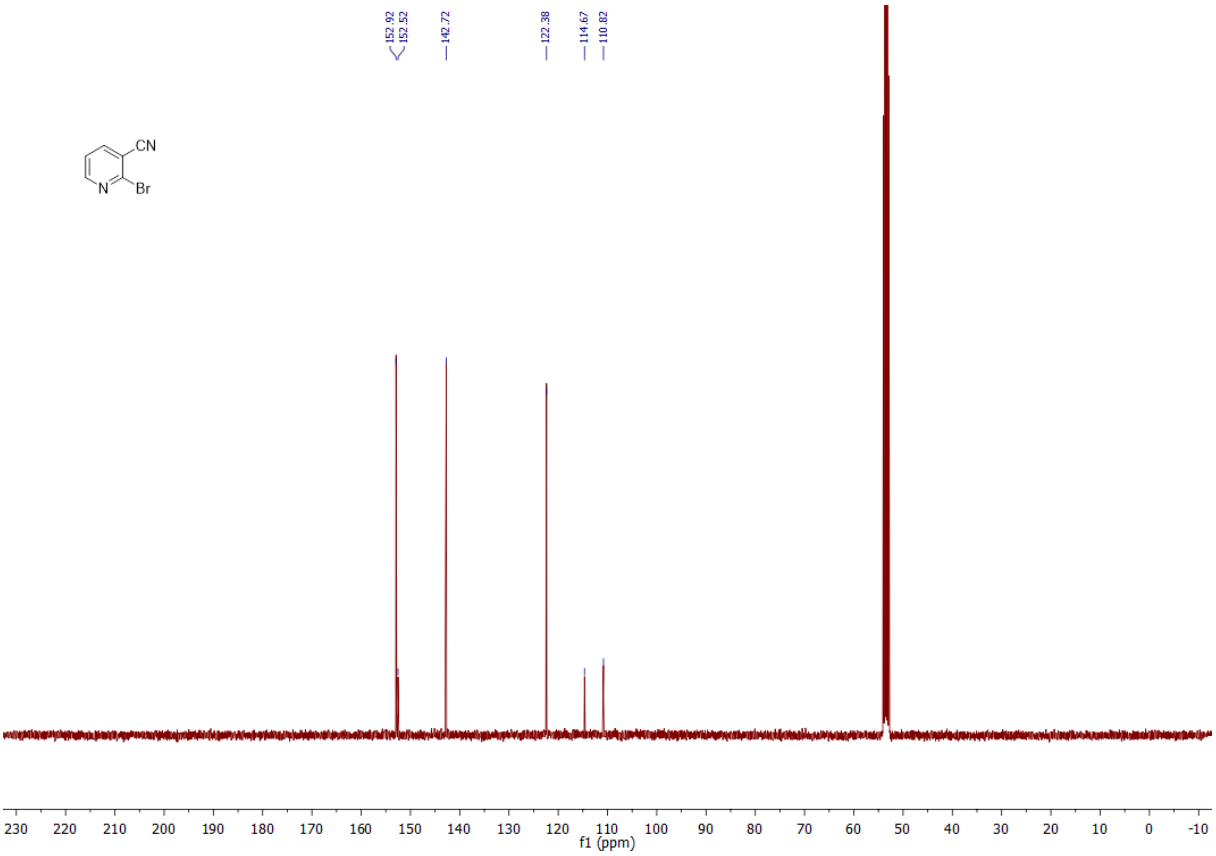
^{13}C NMR spectrum of compound 6d (101 MHz, methylene chloride-d_2)



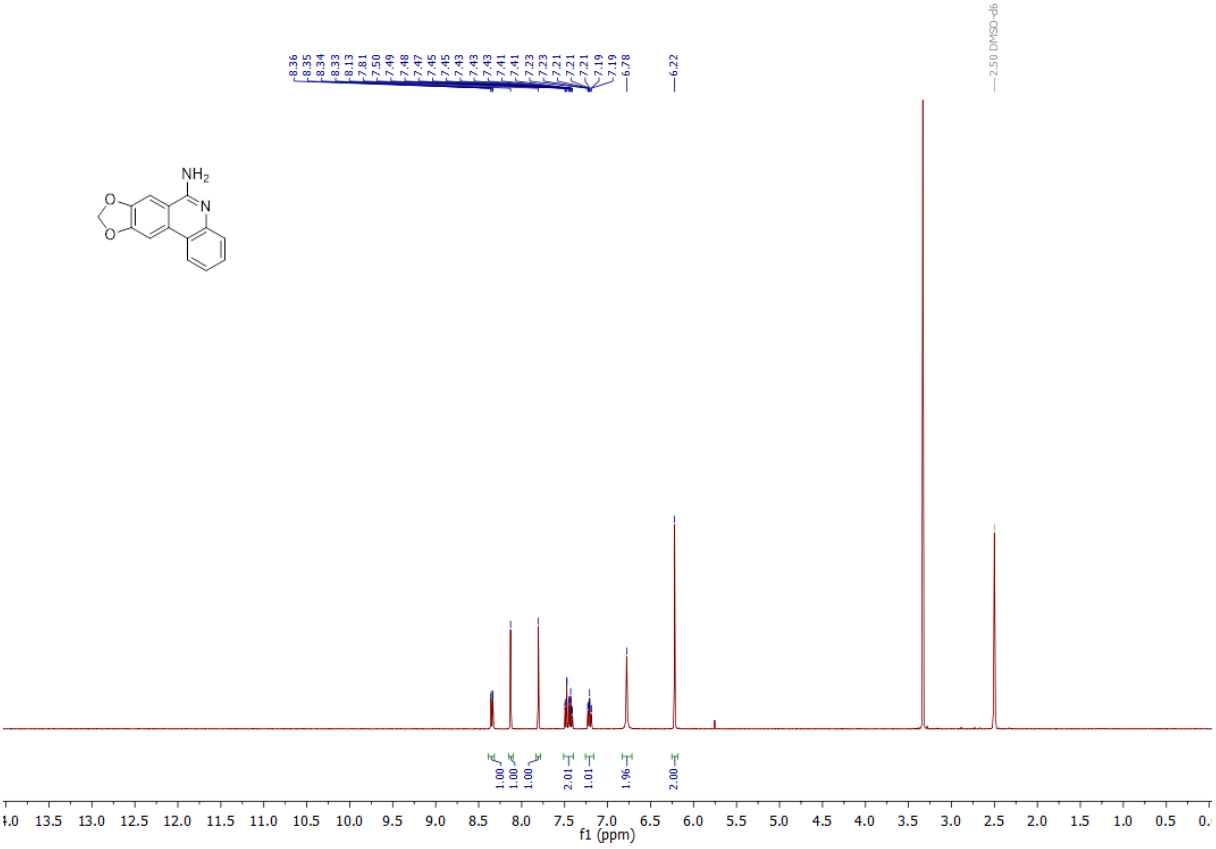
^{1}H NMR spectrum of compound 6e (400 MHz, methylene chloride-d_2)



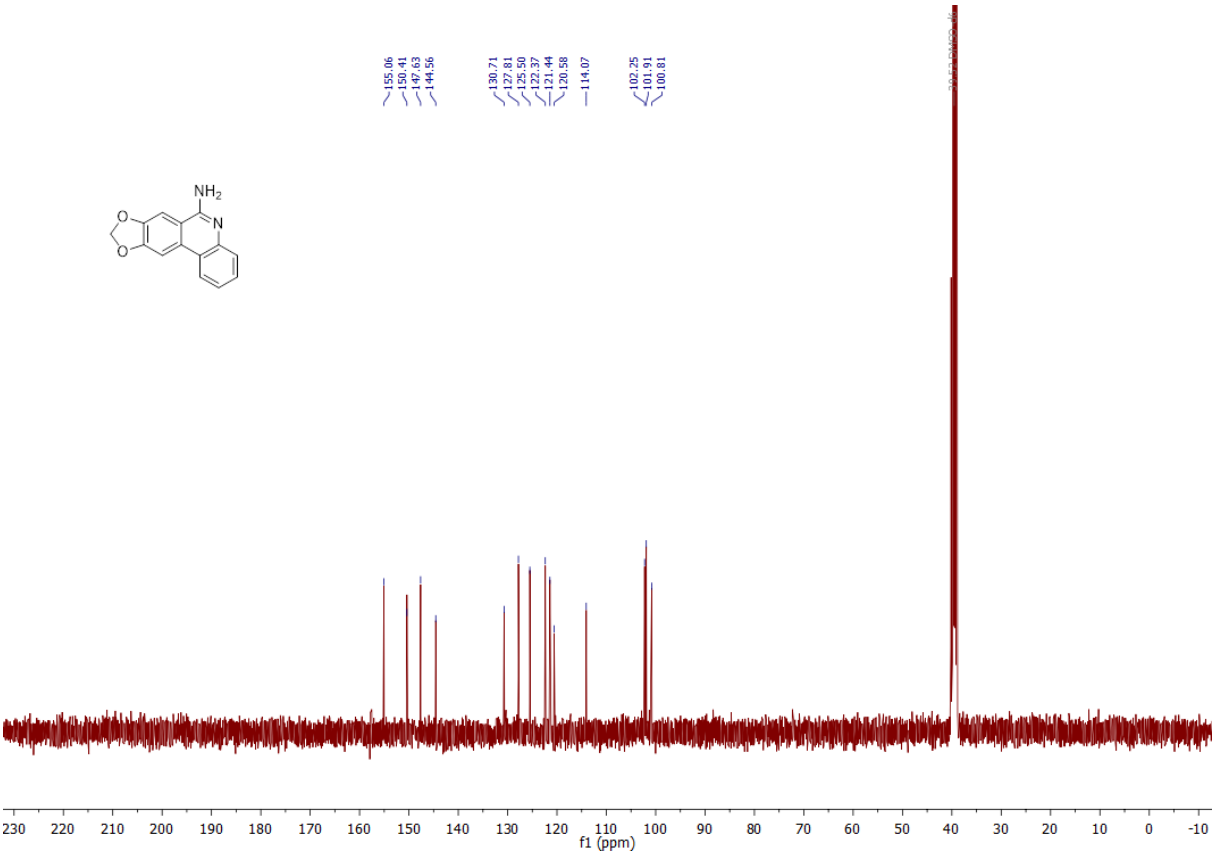
^{13}C NMR spectrum of compound 6e (101 MHz, methylene chloride-d_2)



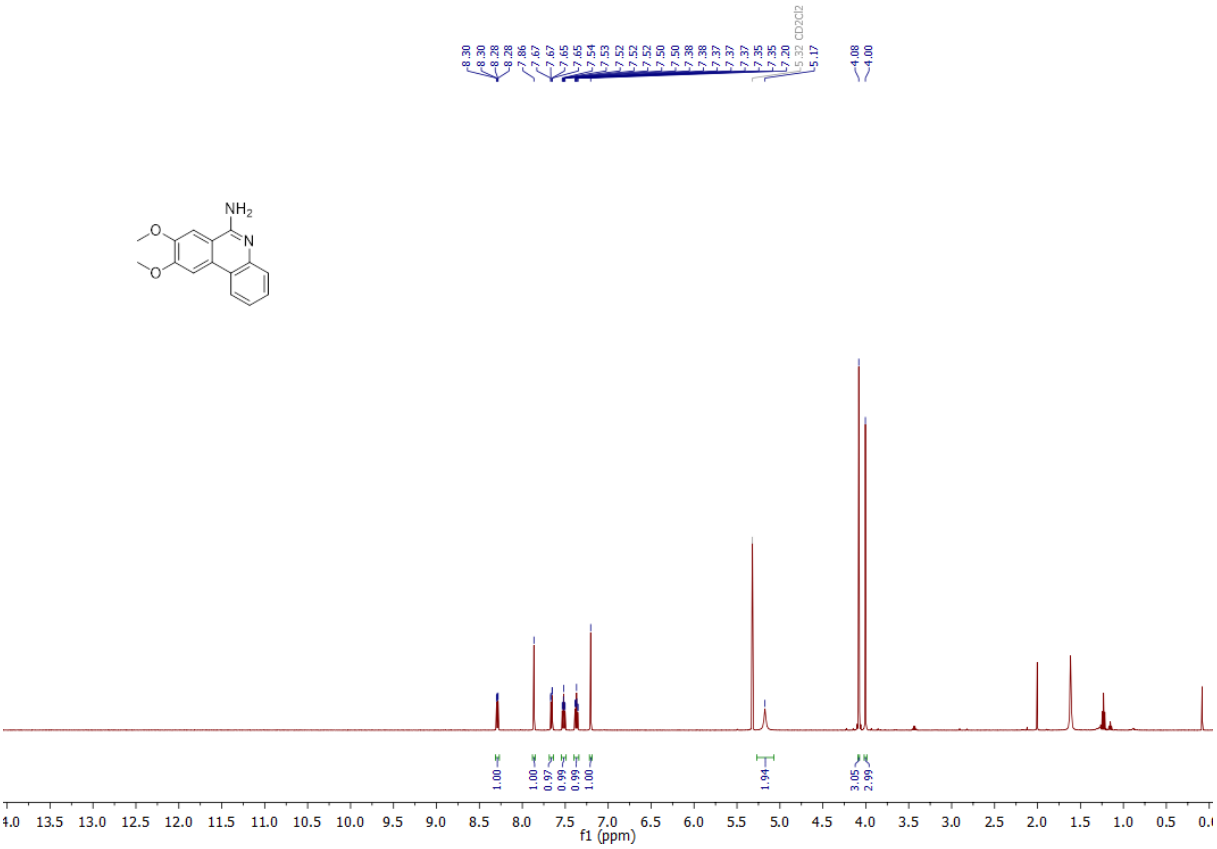
^{1}H NMR spectrum of compound 8a (400 MHz, DMSO-d_6)



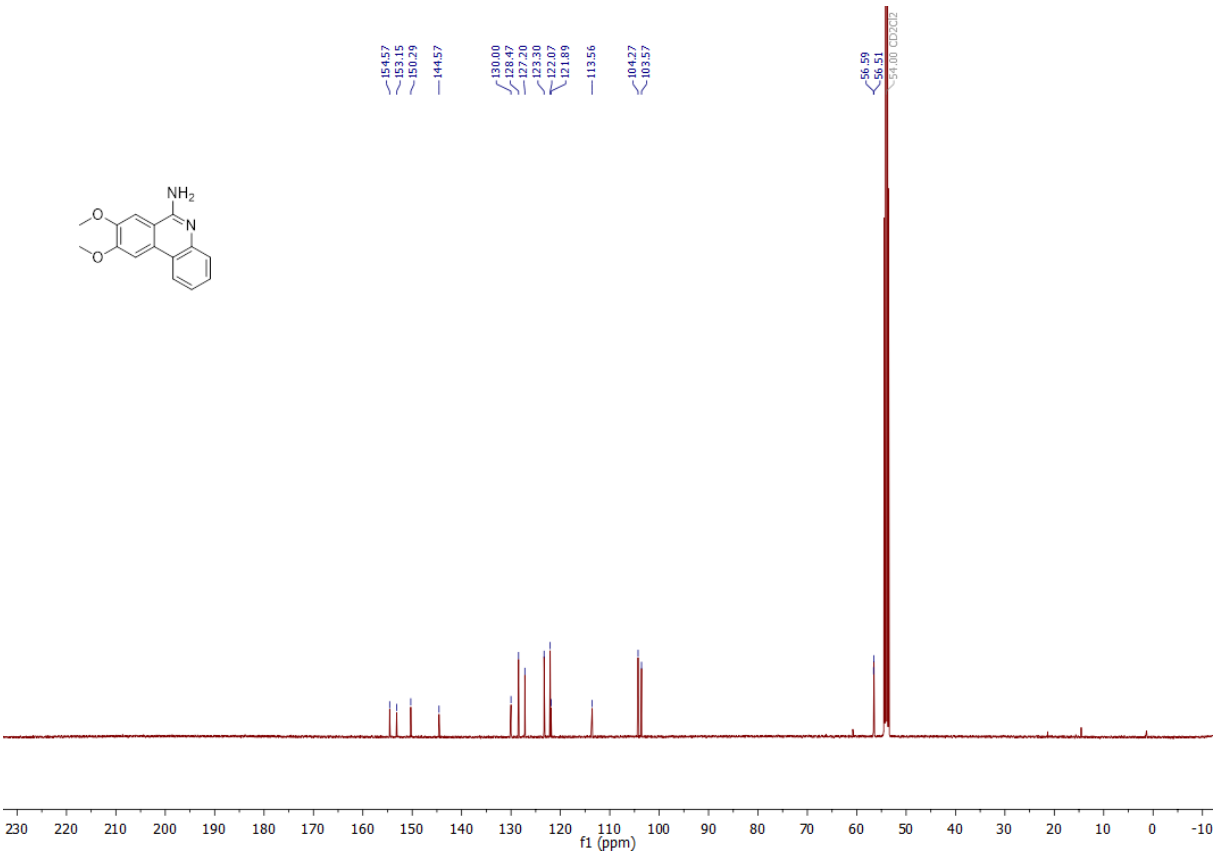
^{13}C NMR spectrum of compound 8a (101 MHz, DMSO-d_6)



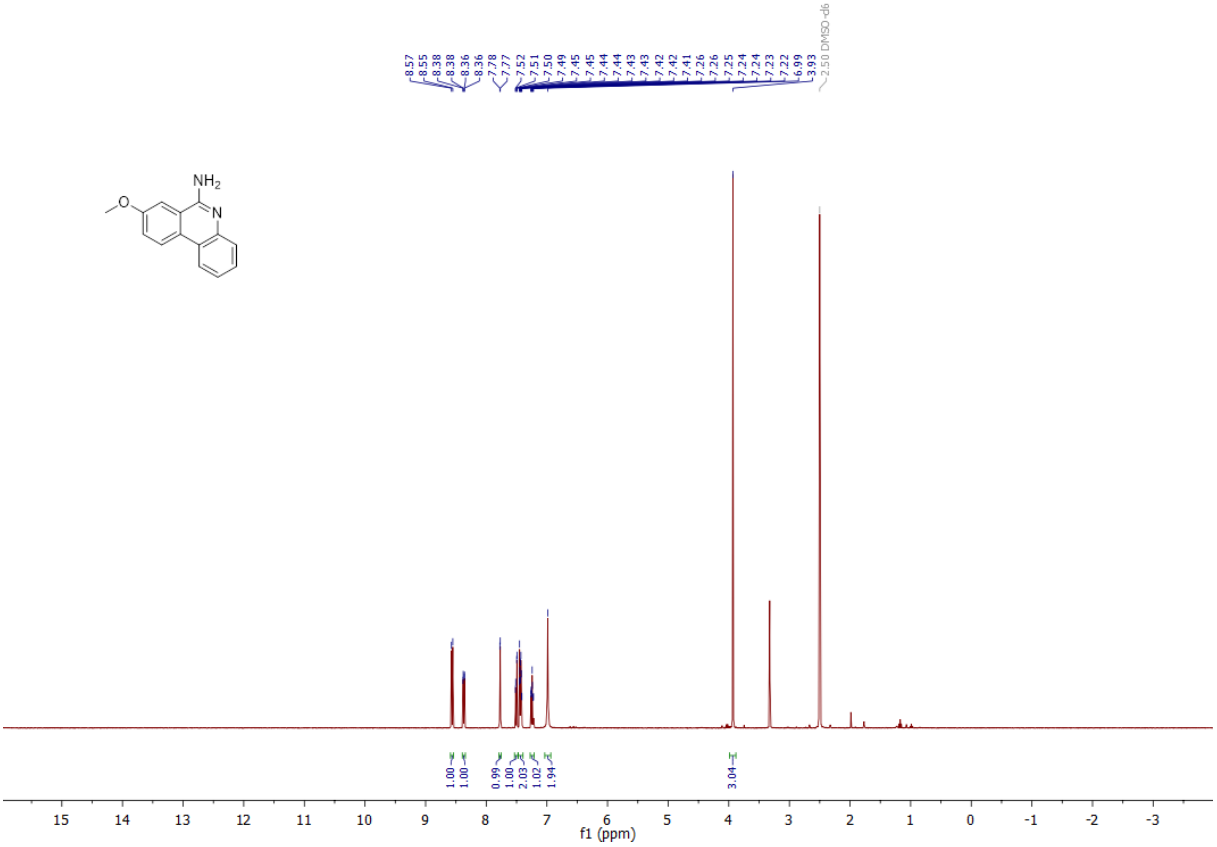
^{1}H NMR spectrum of compound 8b (500 MHz, methylene chloride-d_2)



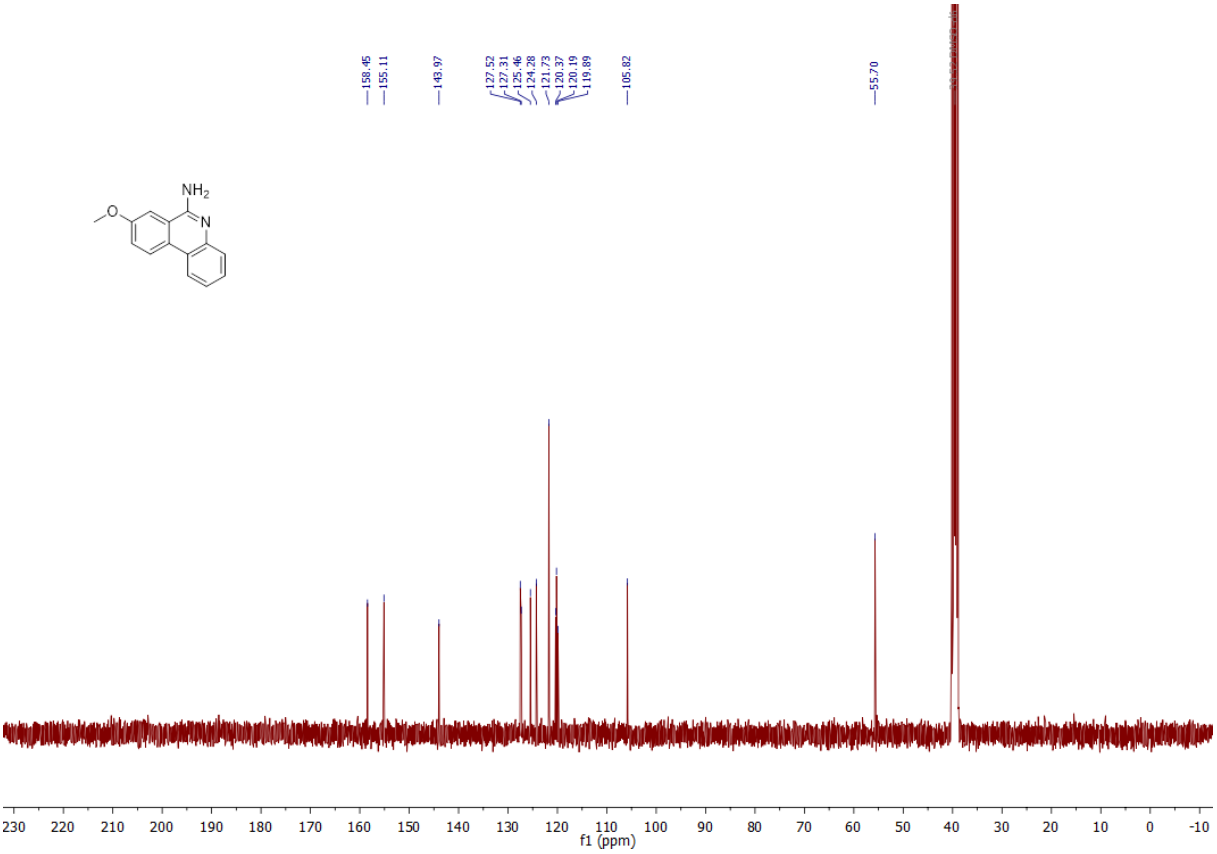
^{13}C NMR spectrum of compound 8b (126 MHz, methylene chloride-d_2)



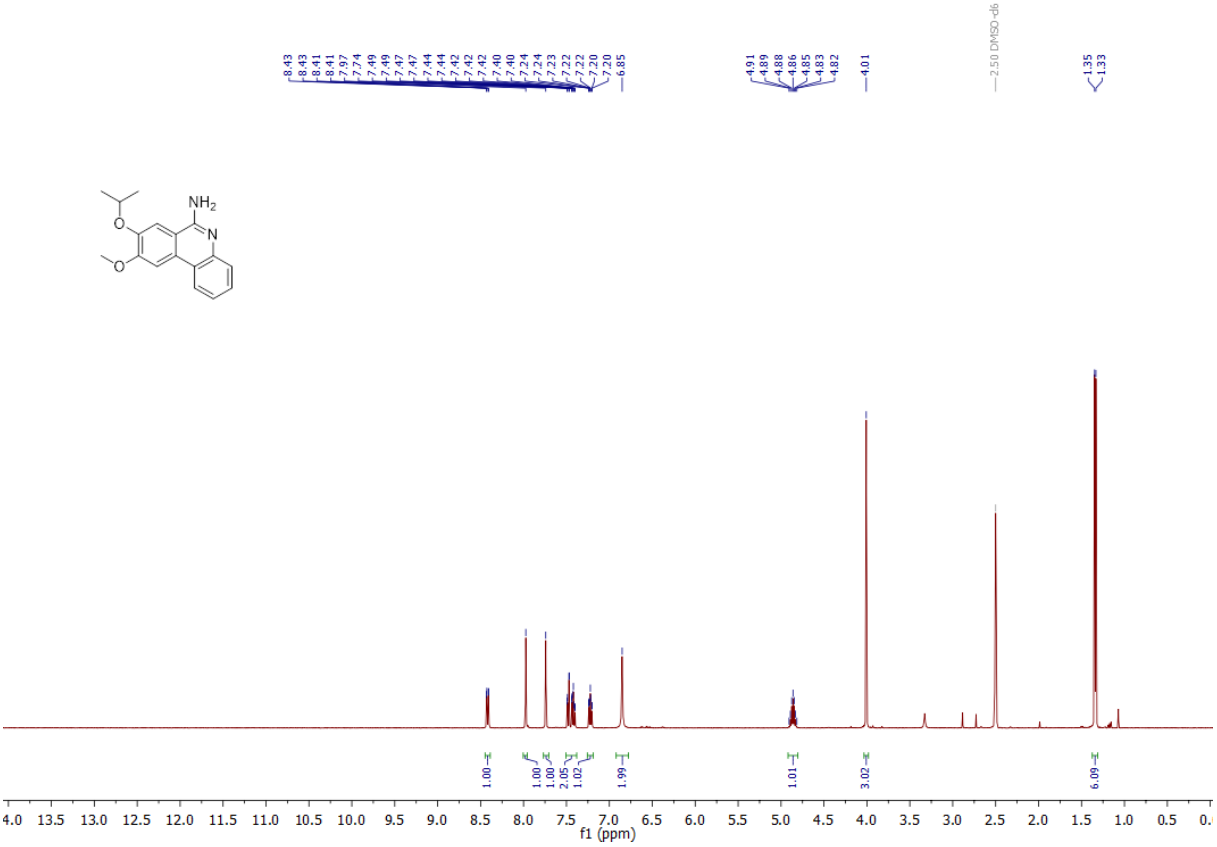
^{1}H NMR spectrum of compound 8c (400 MHz, DMSO-d_6)



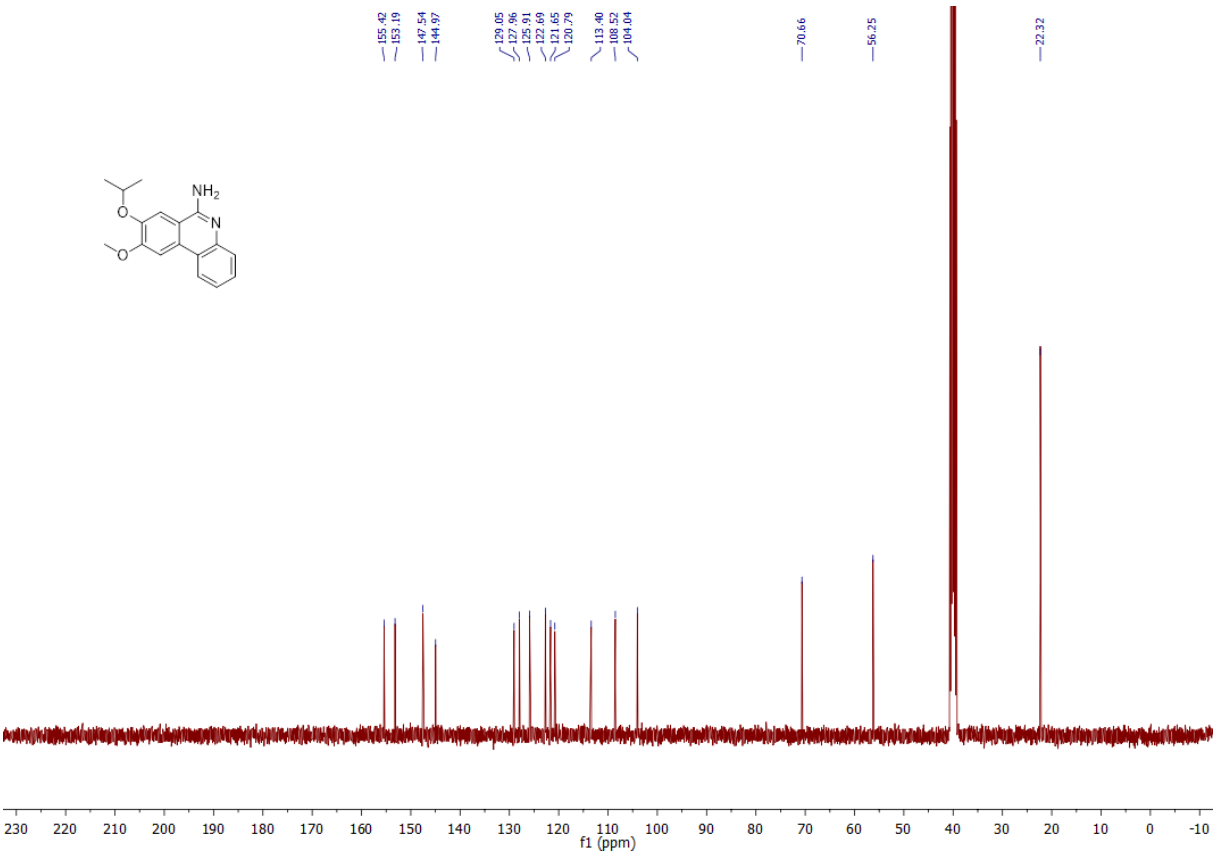
^{13}C NMR spectrum of compound 8c (101 MHz, DMSO-d_6)



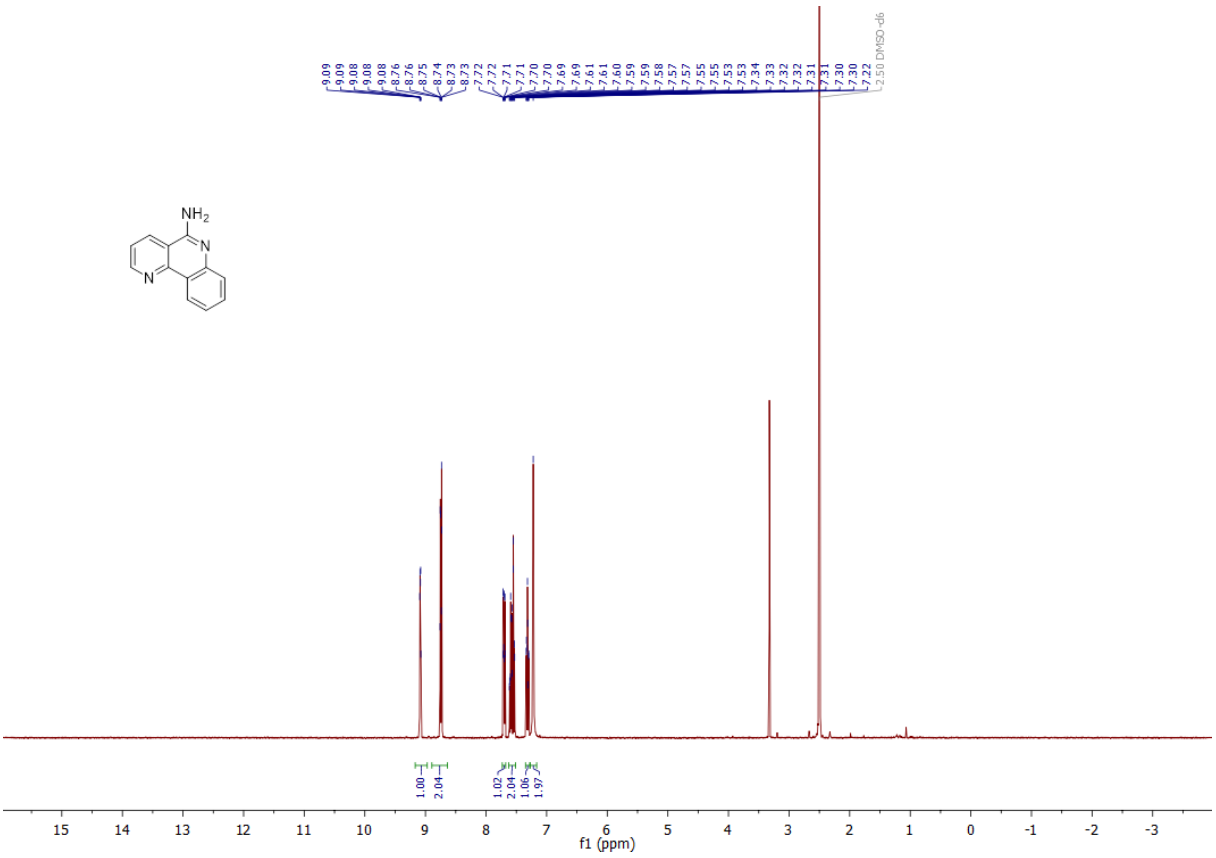
^{1}H NMR spectrum of compound 8d (400 MHz, DMSO-d_6)



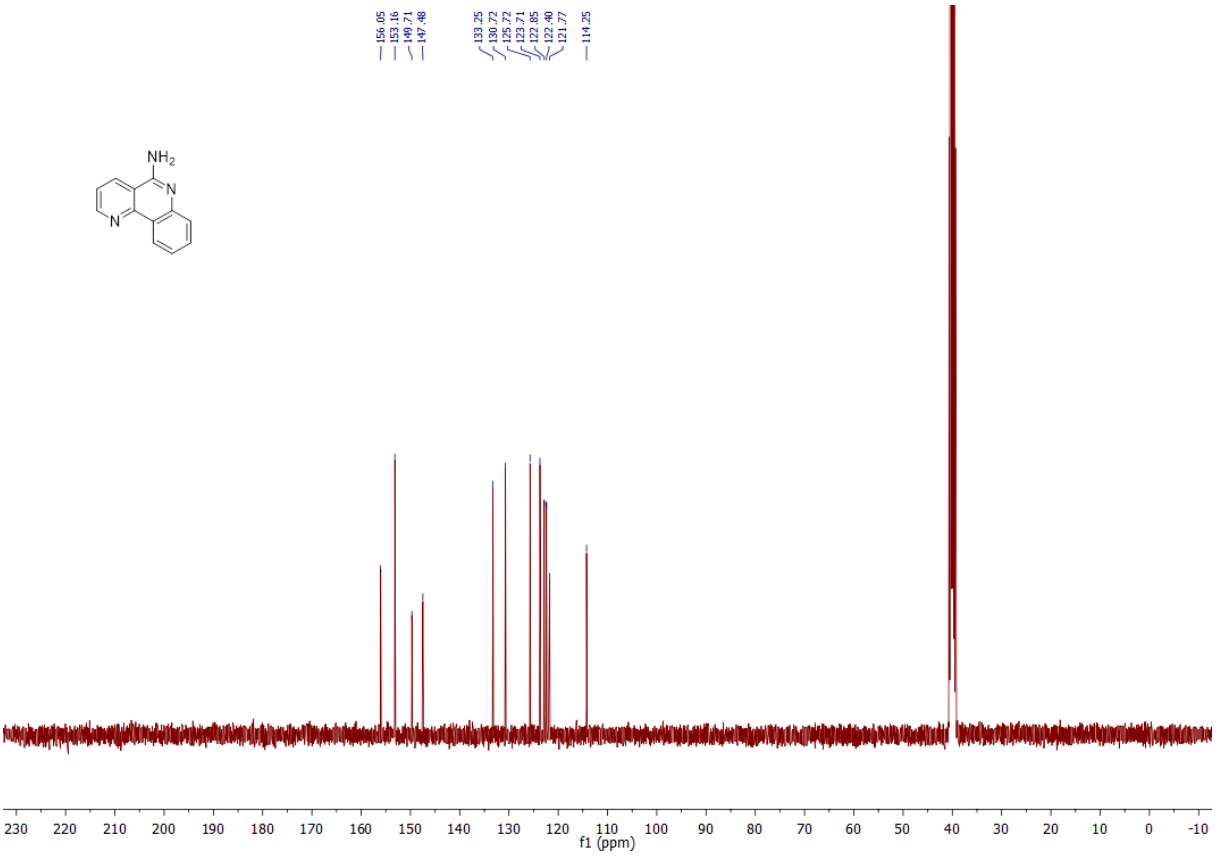
^{13}C NMR spectrum of compound 8d (101 MHz, DMSO-d_6)



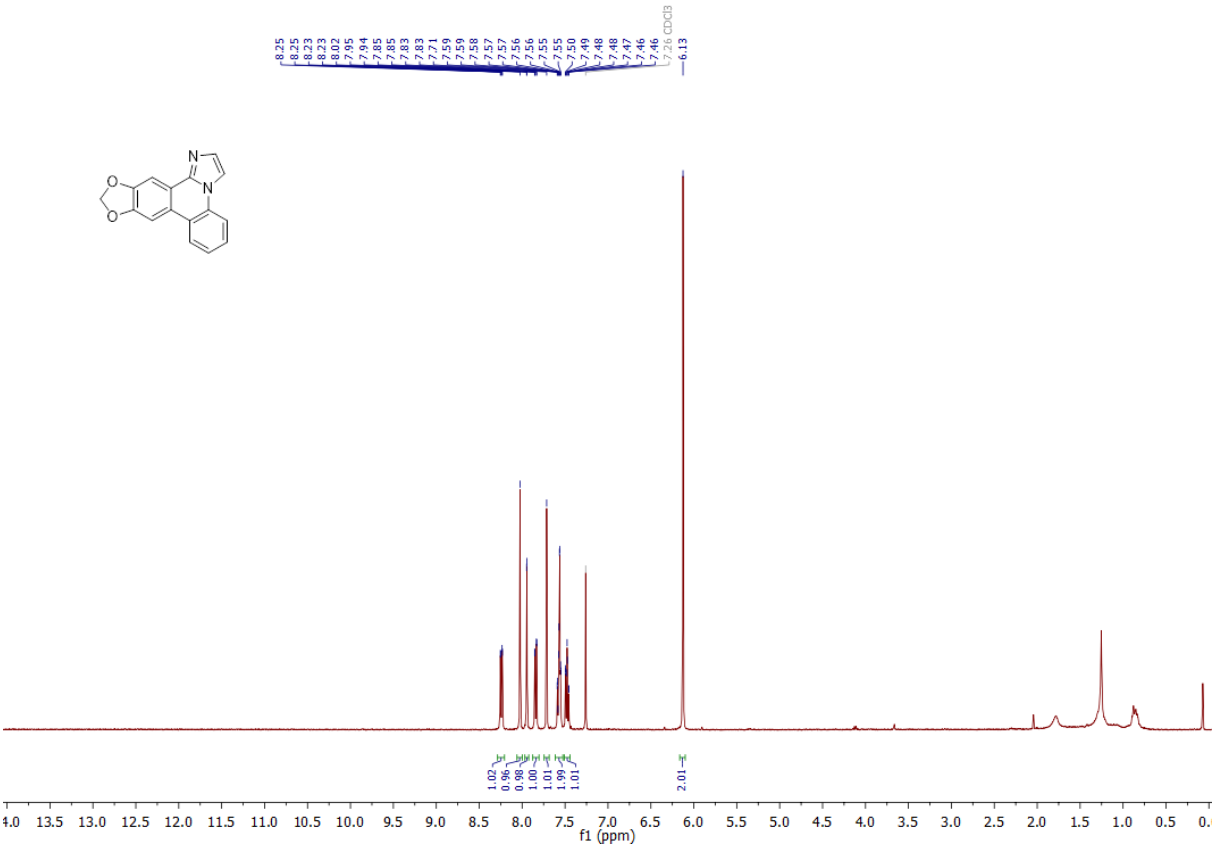
^{1}H NMR spectrum of compound 8e (400 MHz, DMSO-d_6)



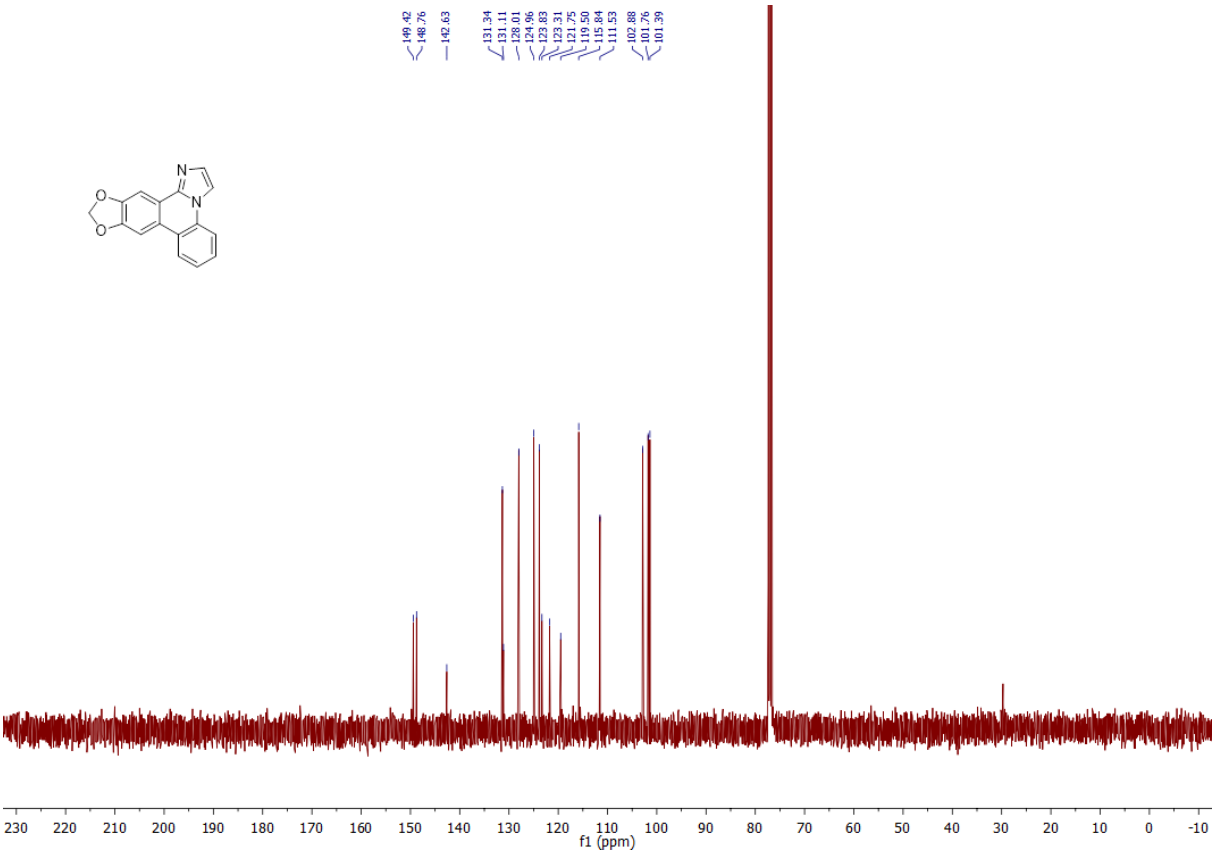
^{13}C NMR spectrum of compound 8e (101 MHz, DMSO-d_6)



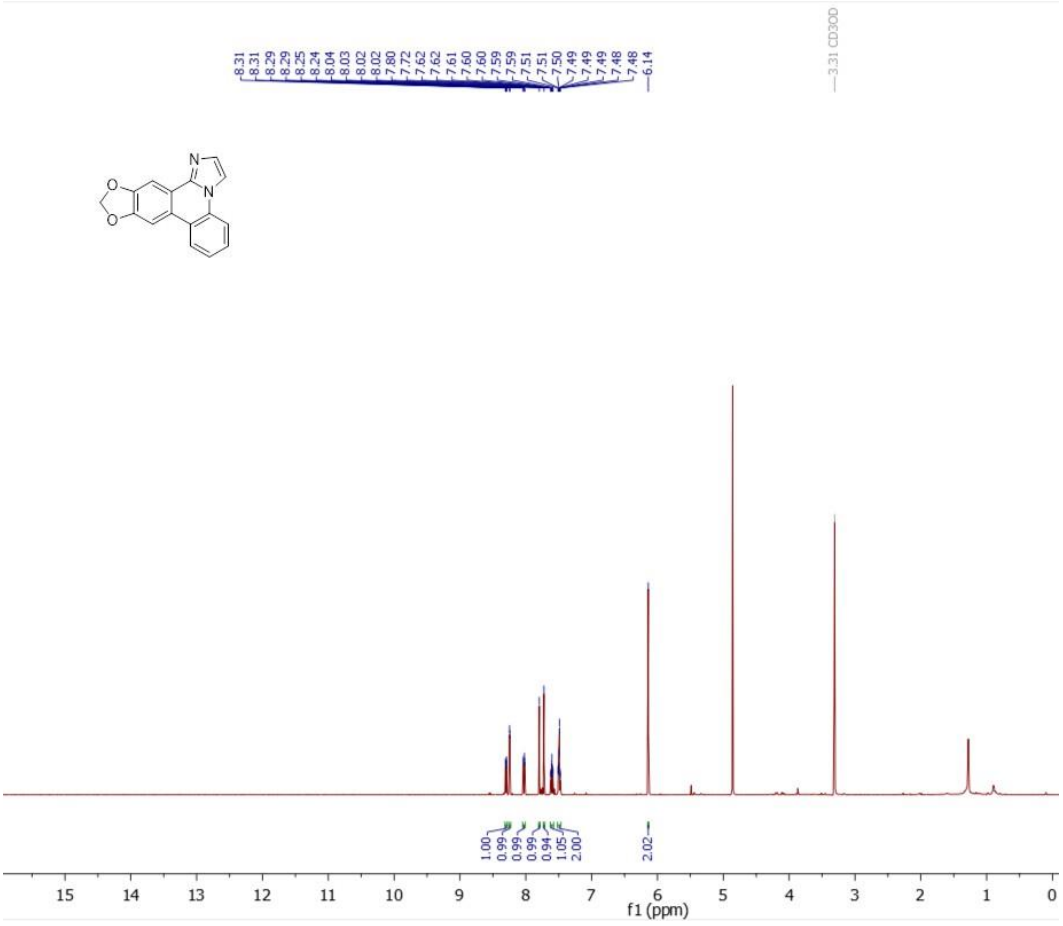
^{1}H NMR spectrum of compound 3 (400 MHz, $CDCl_3$)



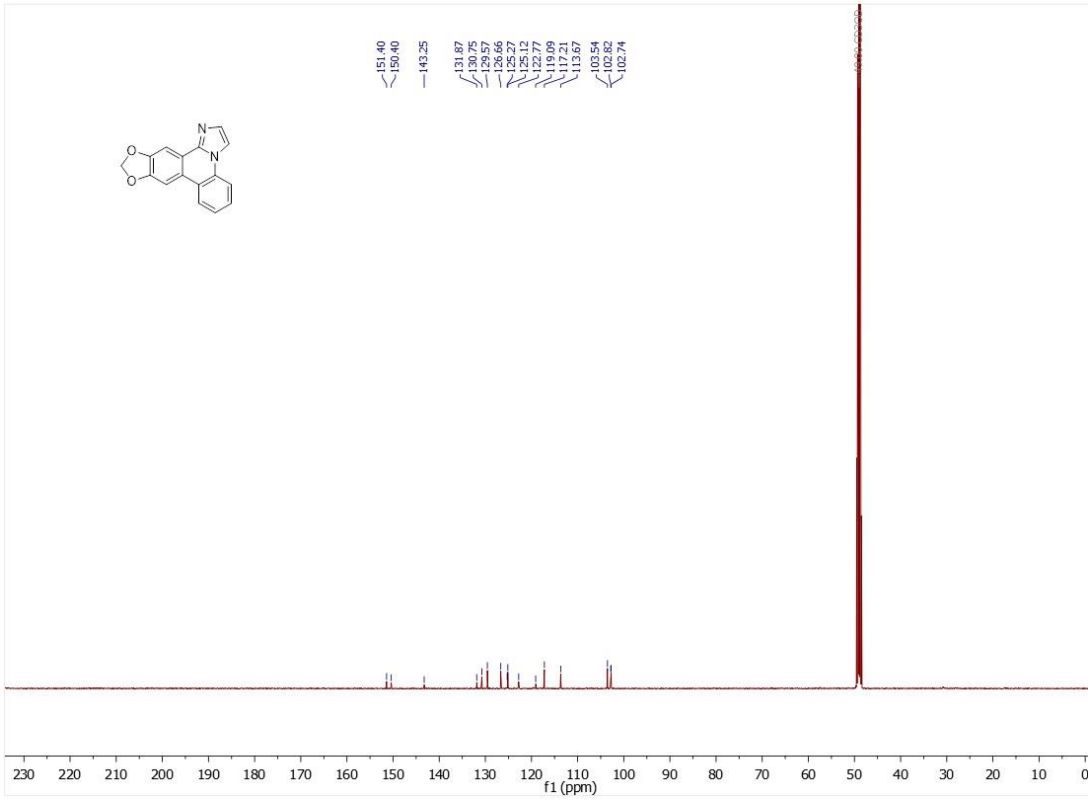
^{13}C NMR spectrum of compound 3 (101 MHz, $CDCl_3$)



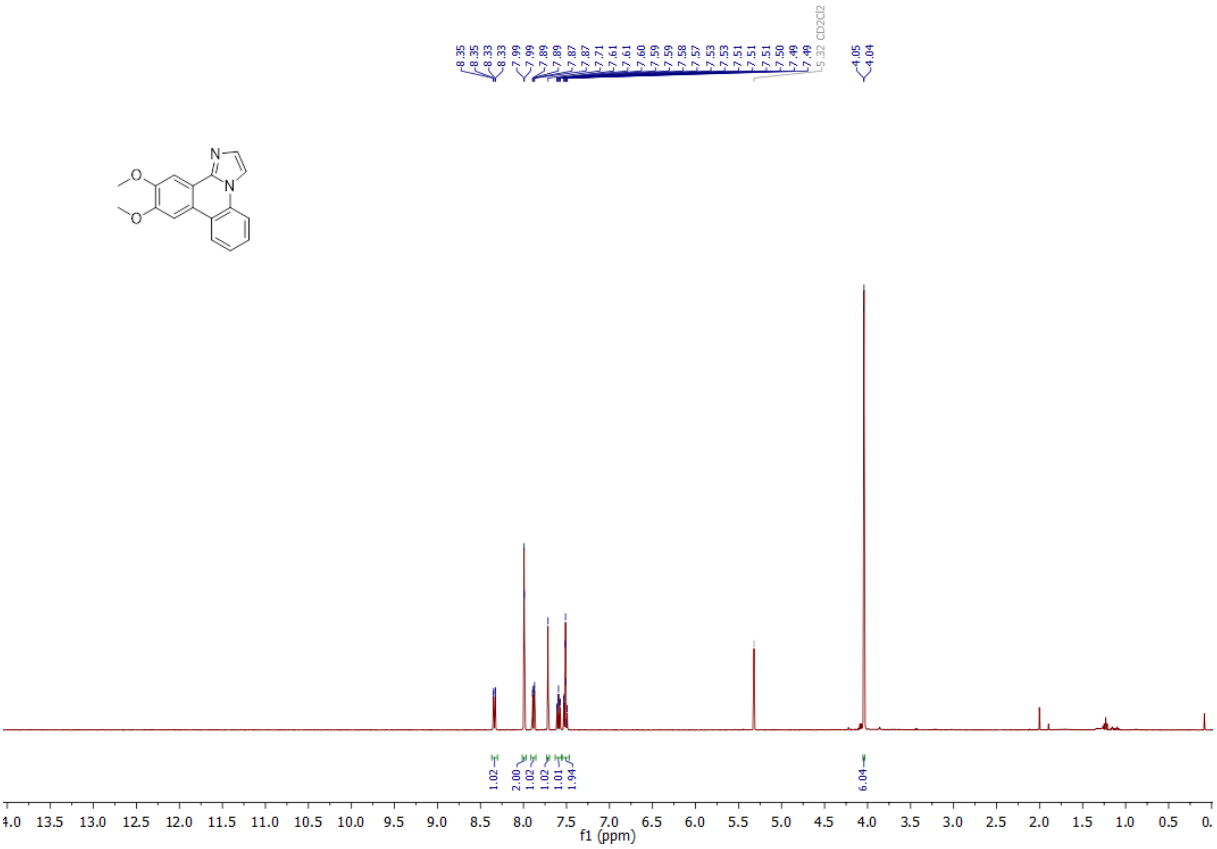
^{1}H NMR spectrum of compound 3 (400 MHz, MeOD)



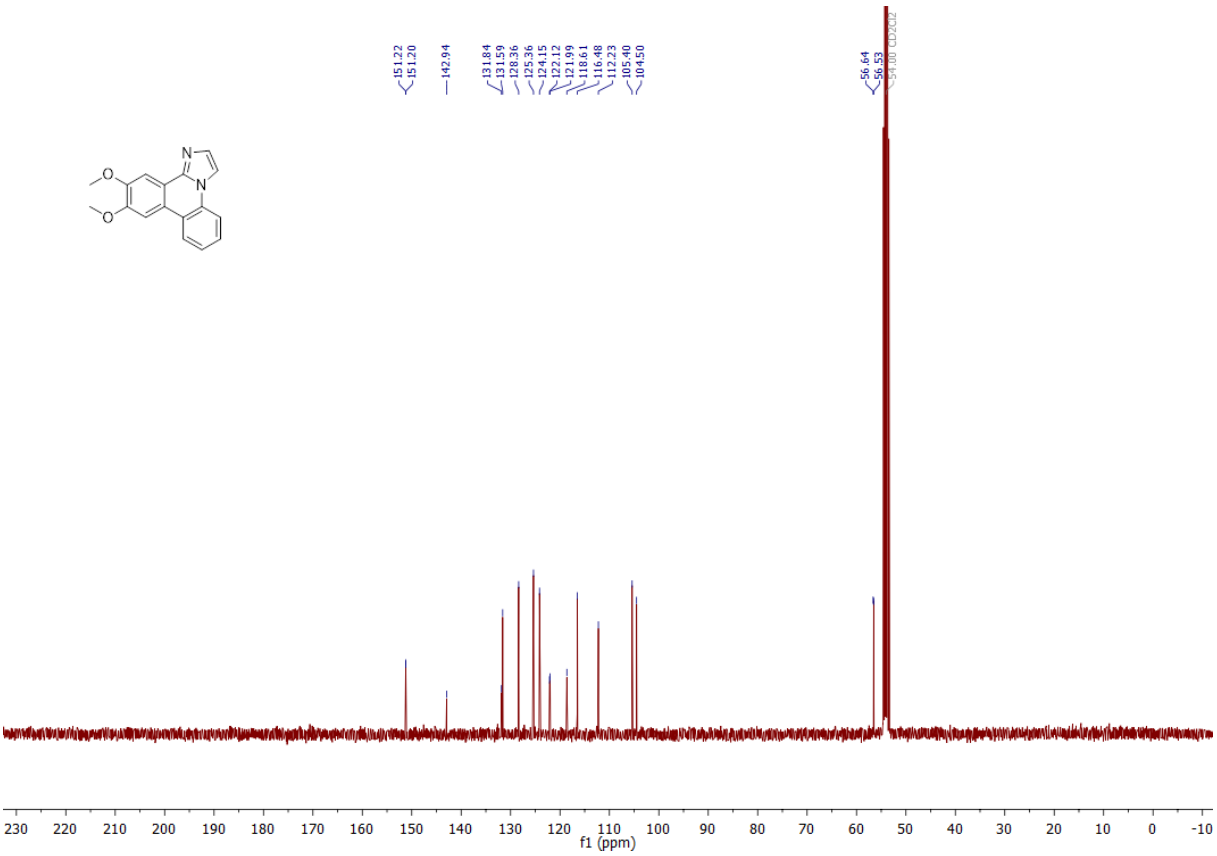
^{13}C NMR spectrum of compound 3 (101 MHz, MeOD)



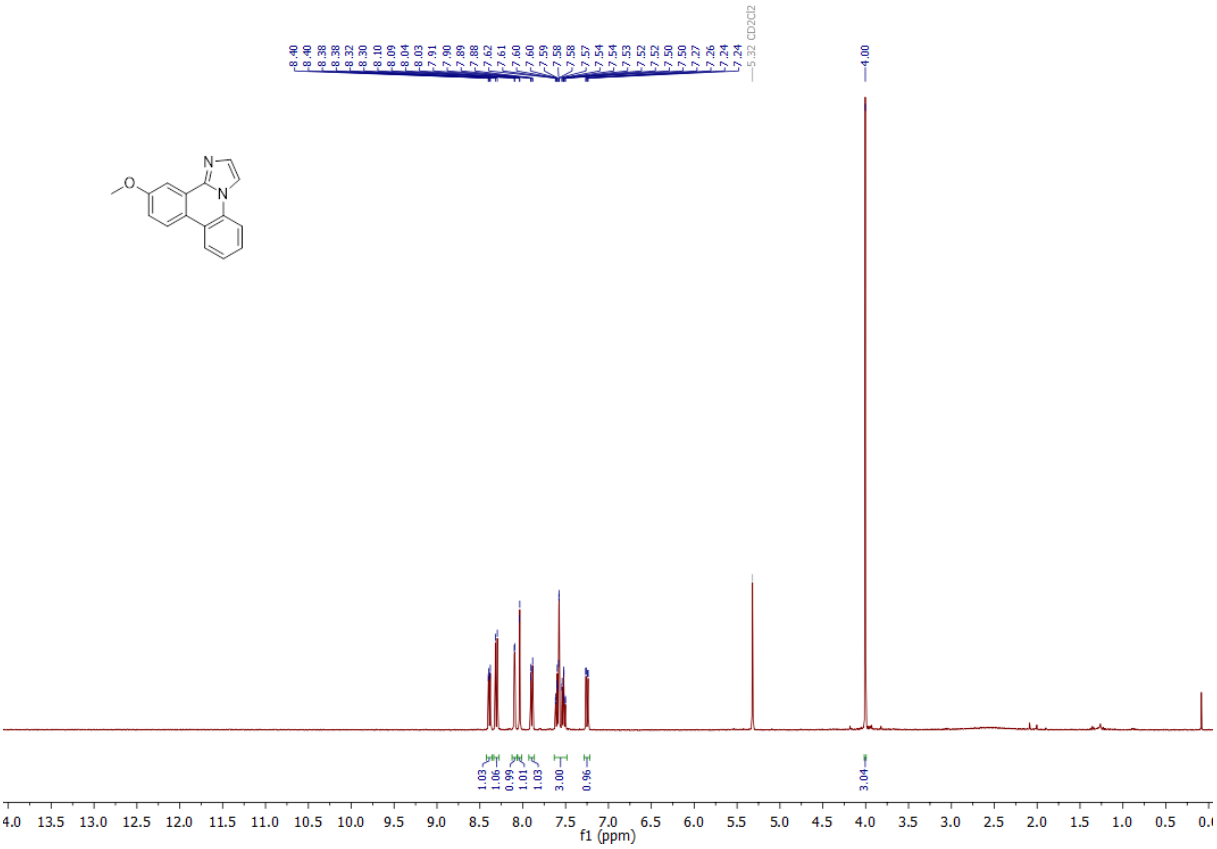
^{1}H NMR spectrum of compound 9 (400 MHz, methylene chloride-d_2)



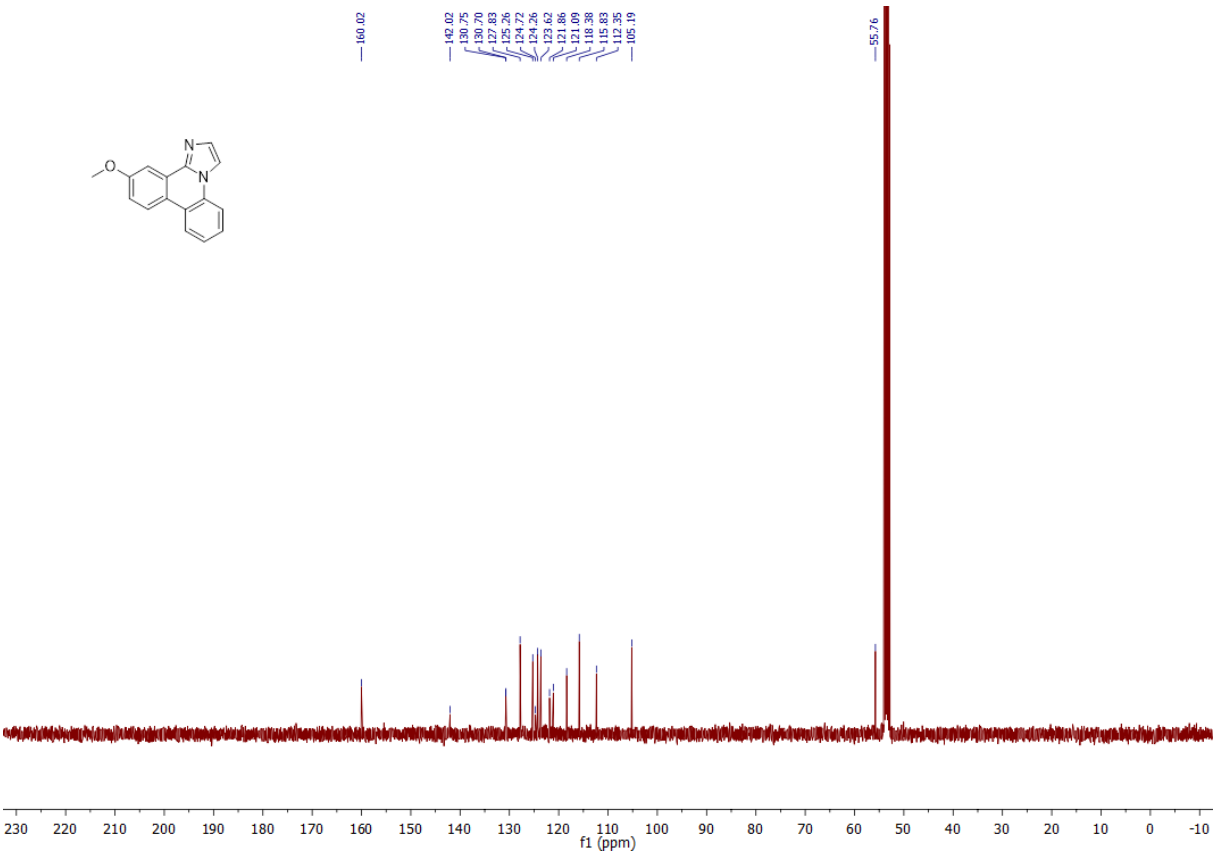
^{13}C NMR spectrum of compound 9 (101 MHz, methylene chloride-d_2)



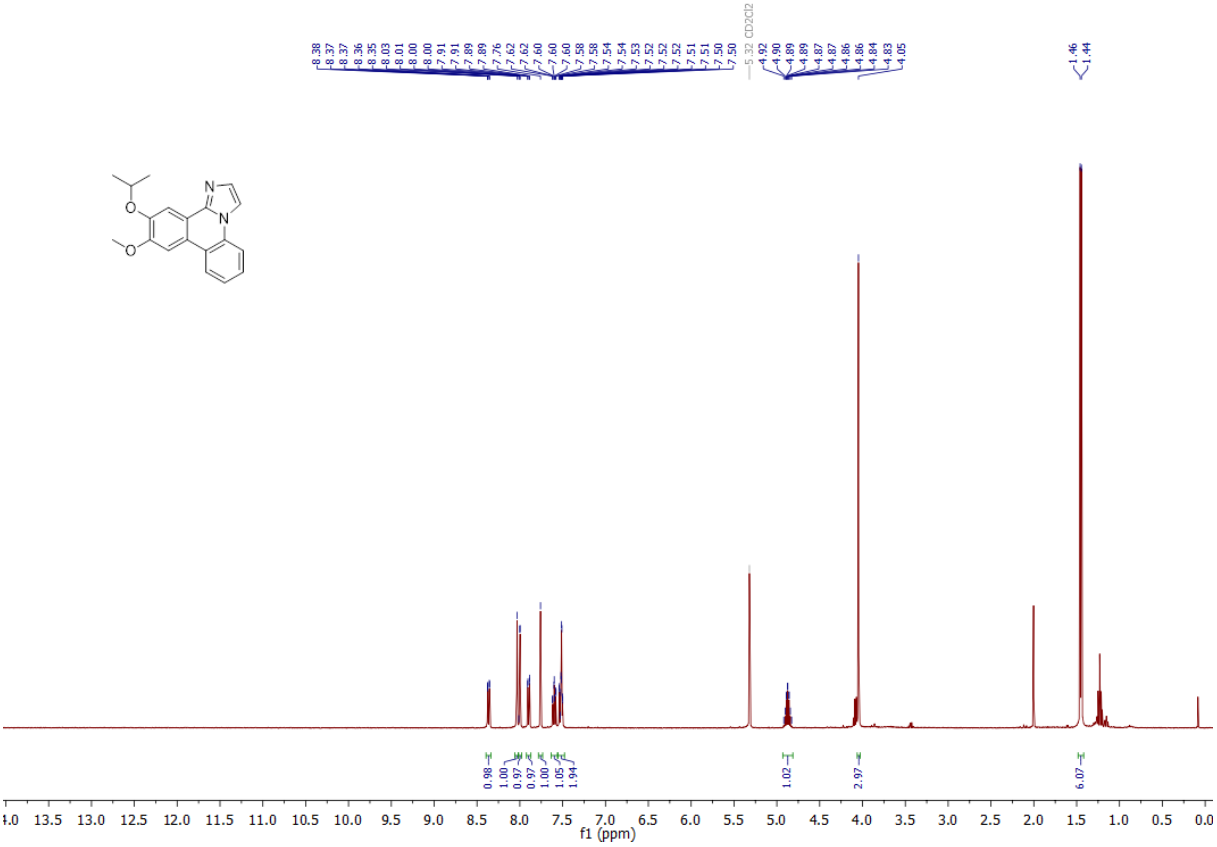
^{1}H NMR spectrum of compound 10 (400 MHz, methylene chloride-d_2)



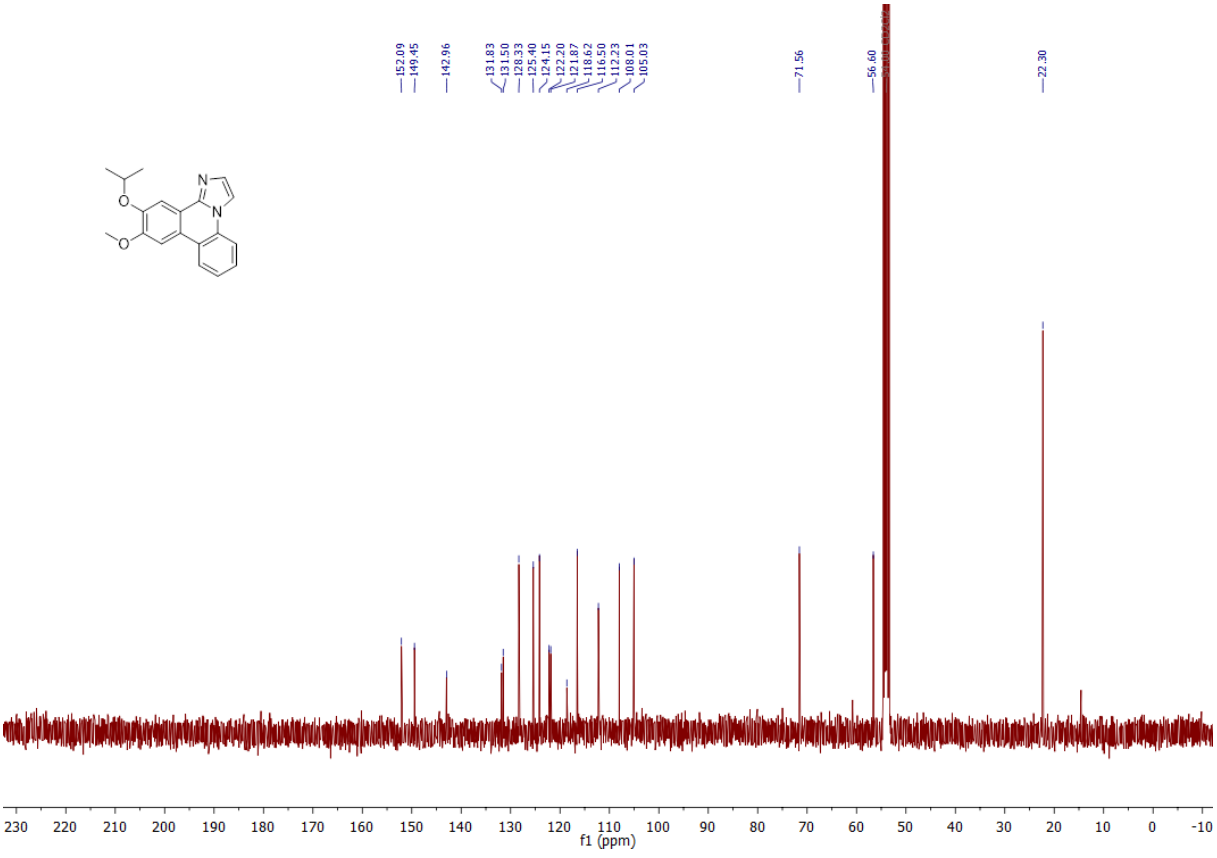
^{13}C NMR spectrum of compound 10 (101 MHz, methylene chloride-d_2)



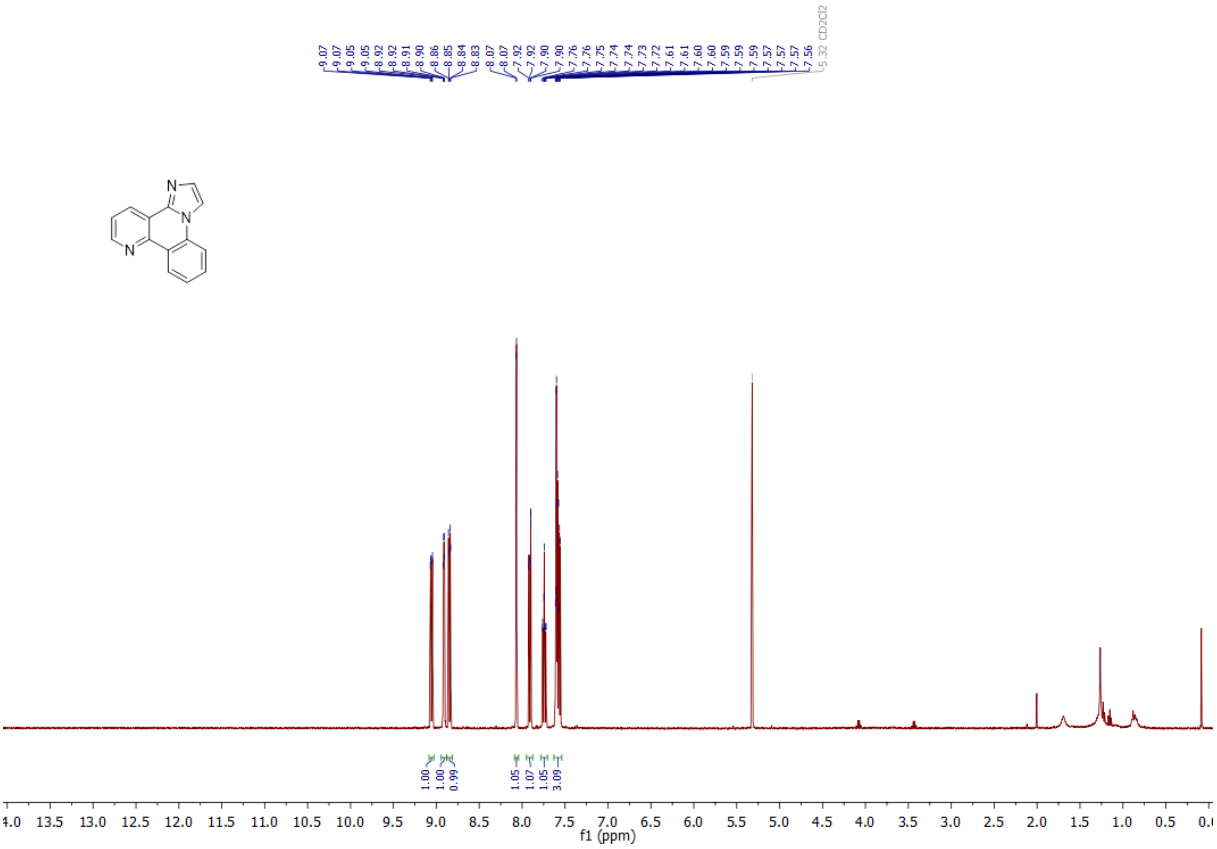
^{1}H NMR spectrum of compound 11 (400 MHz, methylene chloride-d_2)



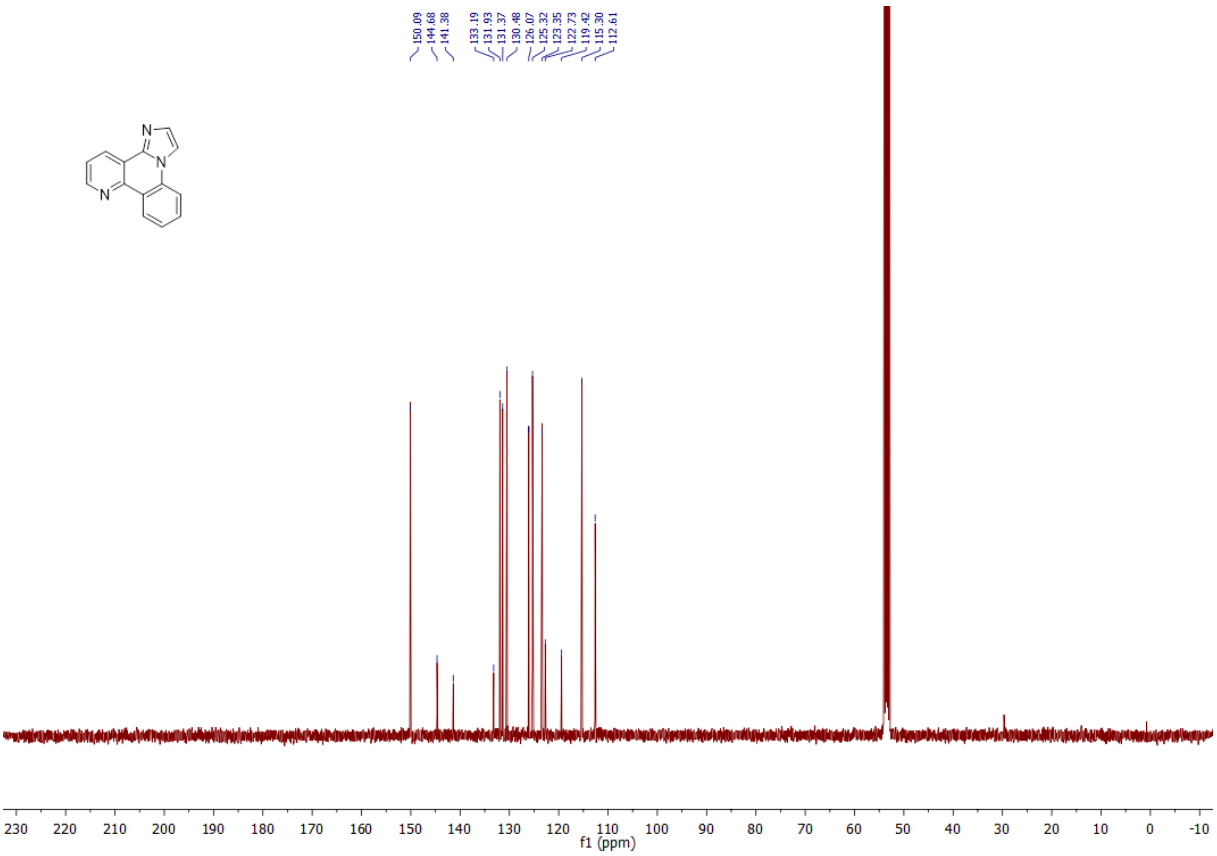
^{13}C NMR spectrum of compound 11 (101 MHz, methylene chloride-d_2)



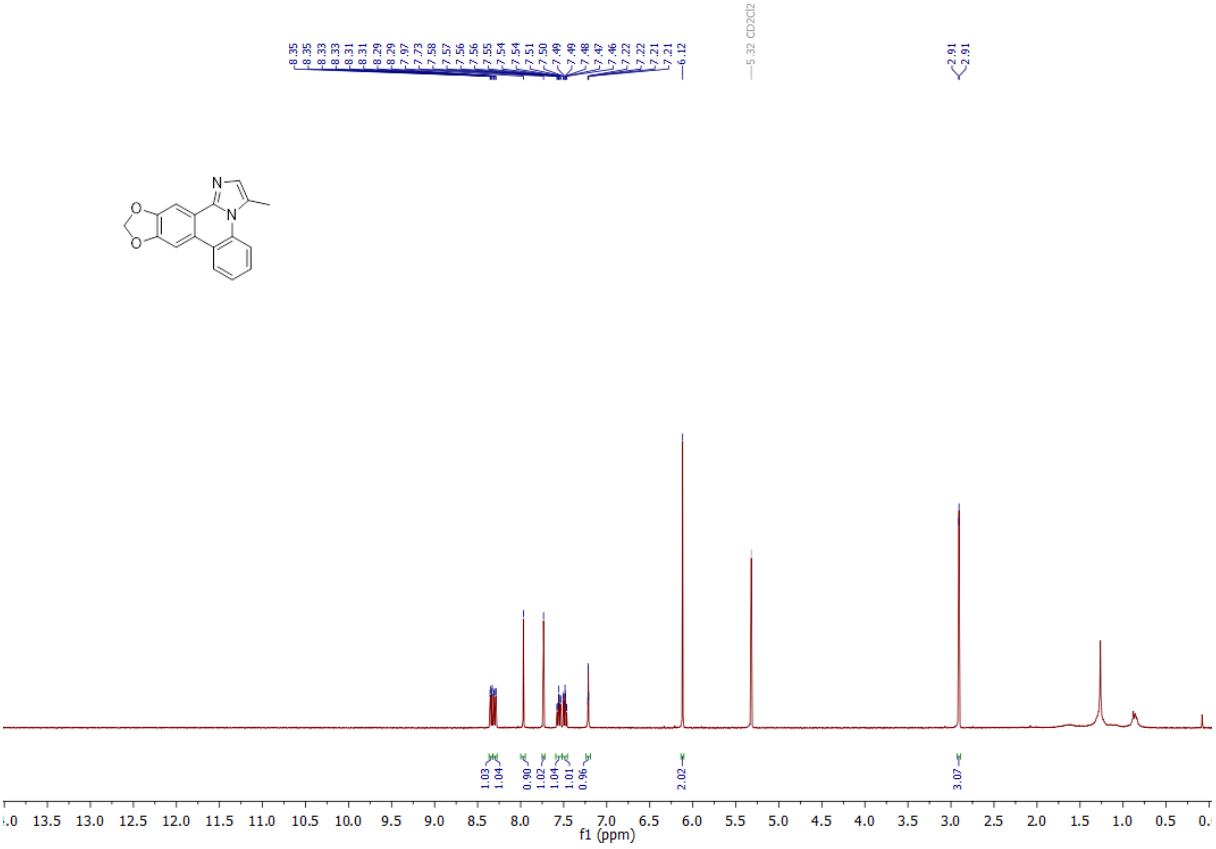
^{1}H NMR spectrum of compound 12 (400 MHz, methylene chloride-d_2)



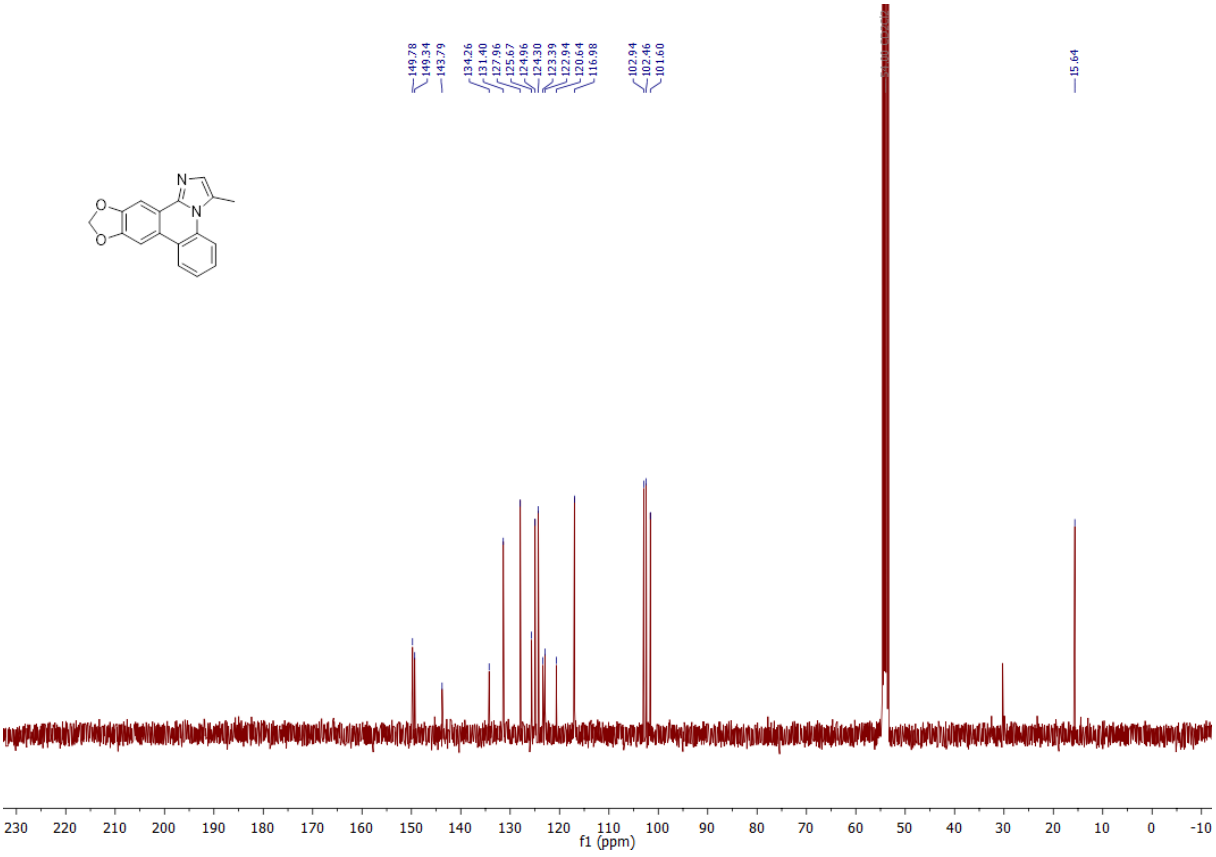
^{13}C NMR spectrum of compound 12 (101 MHz, methylene chloride-d_2)



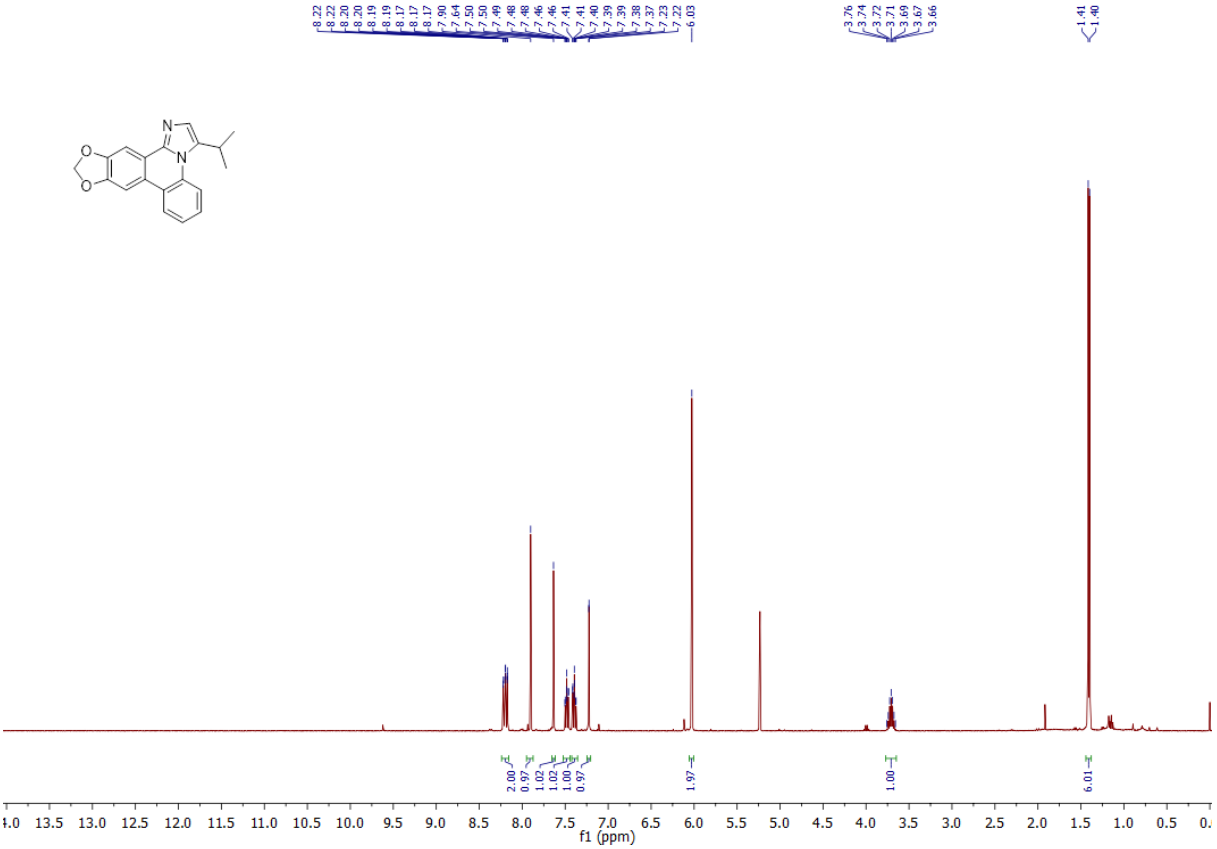
^{1}H NMR spectrum of compound 13 (400 MHz, methylene chloride-d_2)



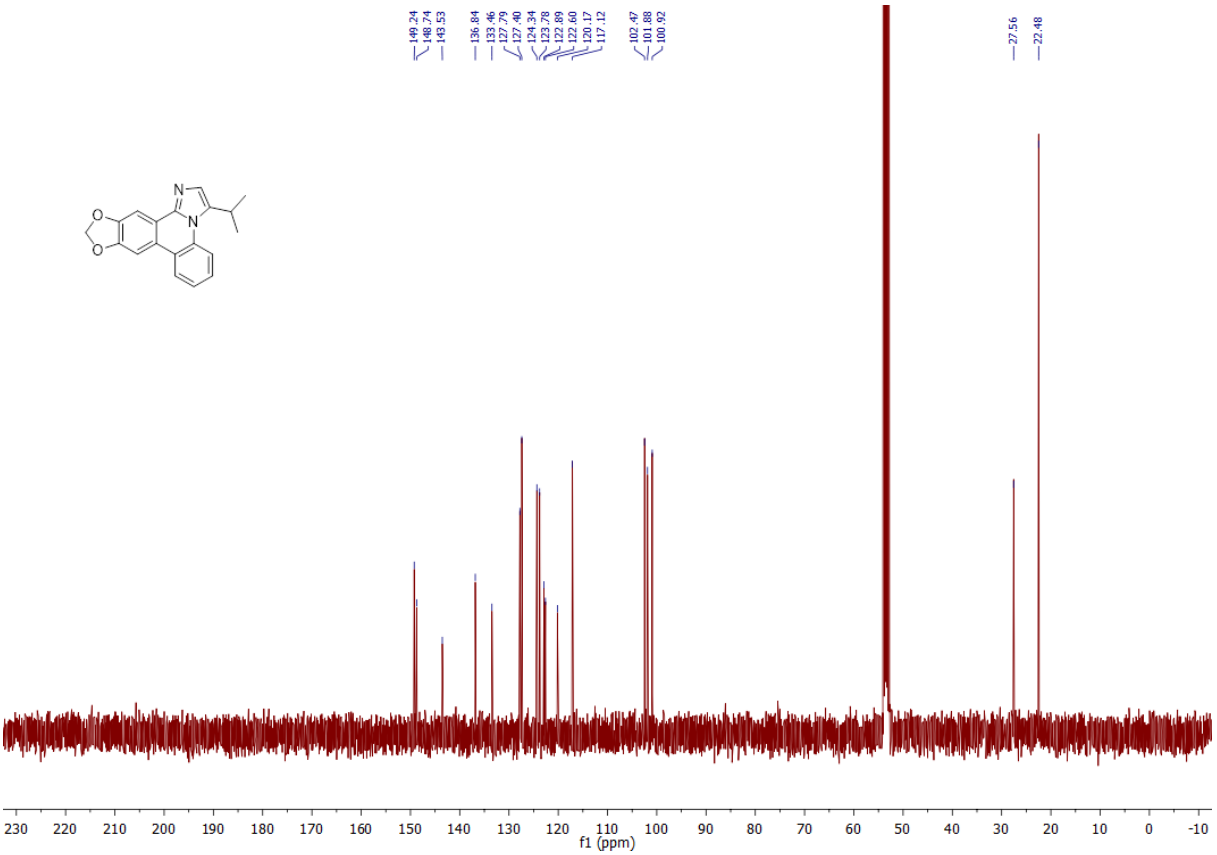
^{13}C NMR spectrum of compound 13 (101 MHz, methylene chloride-d_2)



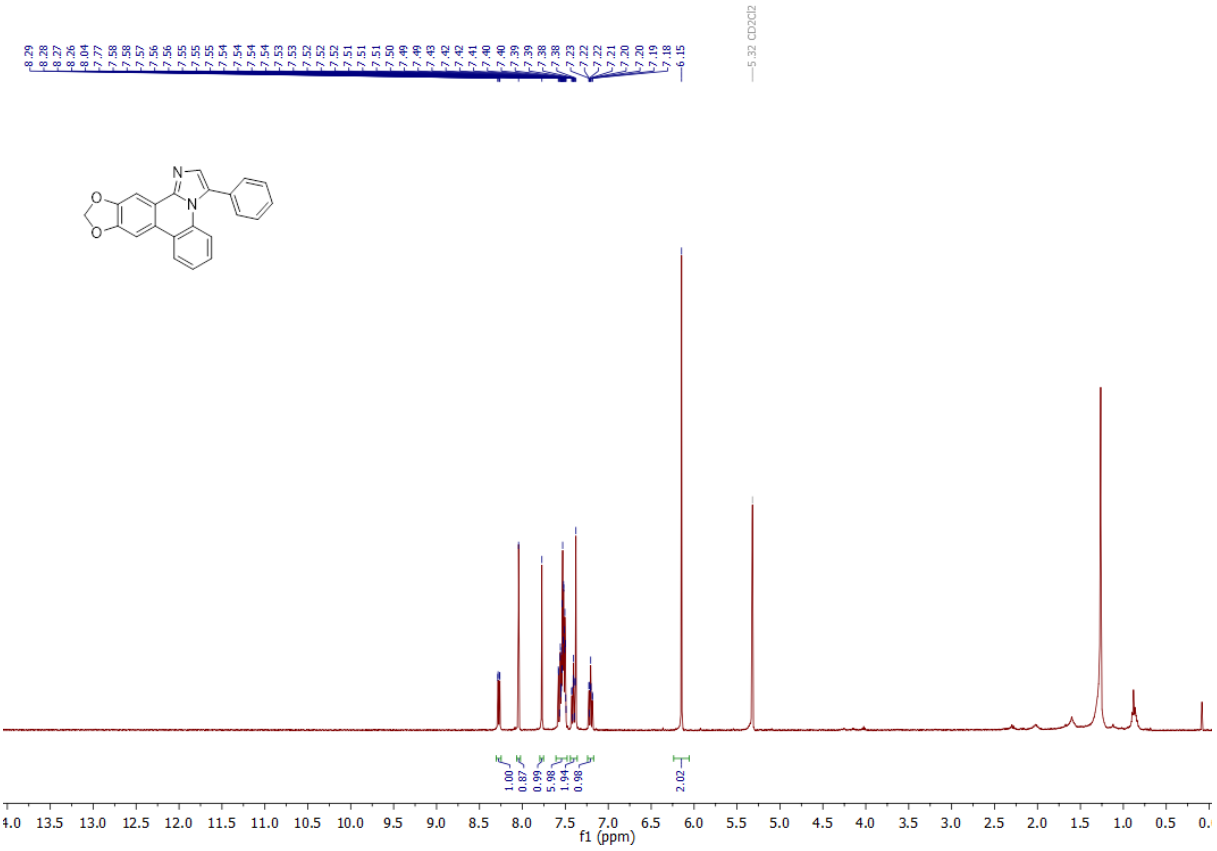
^{1}H NMR spectrum of compound 14 (400 MHz, methylene chloride-d_2)



^{13}C NMR spectrum of compound 14 (101 MHz, methylene chloride-d_2)



^{1}H NMR spectrum of compound 15 (400 MHz, methylene chloride-d_2)



^{13}C NMR spectrum of compound 15 (101 MHz, methylene chloride-d_2)

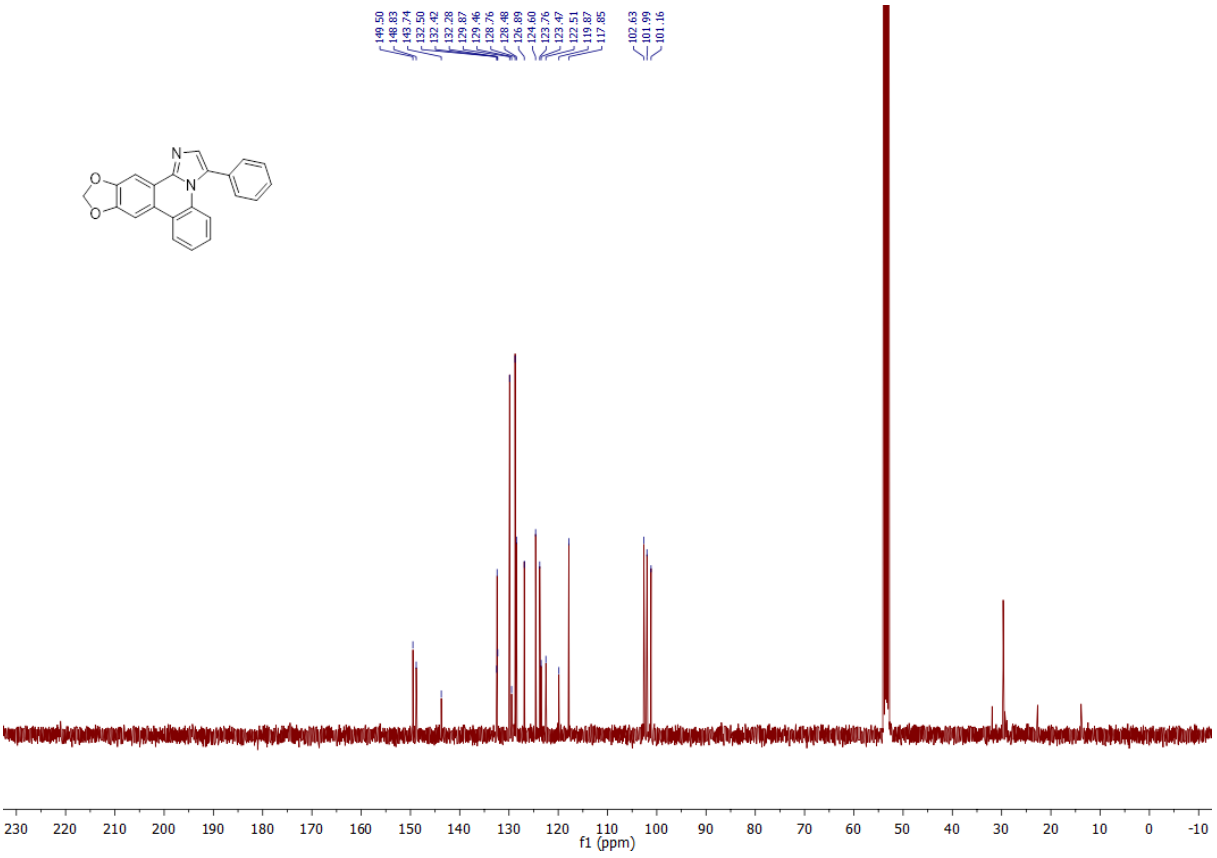


Table S1: List of IC_{50} values

Compound #	**IC_{50} (Jurkat) [µM]**	**IC_{50} (MCF7) [µM]**	**IC_{50} (HL-60) [µM]**	**IC_{50} (CEM) [µM]**	**IC_{50} (HUVEC) [µM]**
Zephycandidine A	11.7	145	n.a.	19.5	50.4
15	26.8	79.4	/	/	/
14	19.3	58.8	/	/	/
13	9.6	32.7	27.3	12. 6	72.6
12	41.06	69.4	55.8	51.3	56.6
11	11.8	33.7	14.2	10.3	67.1
10	28.2	120	/	/	/
9	13.4	47.5	/	/	/

n.a. = no activity; / = not tested