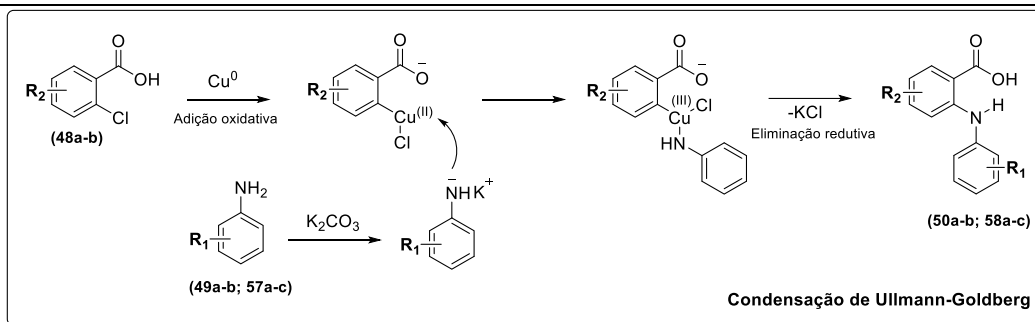
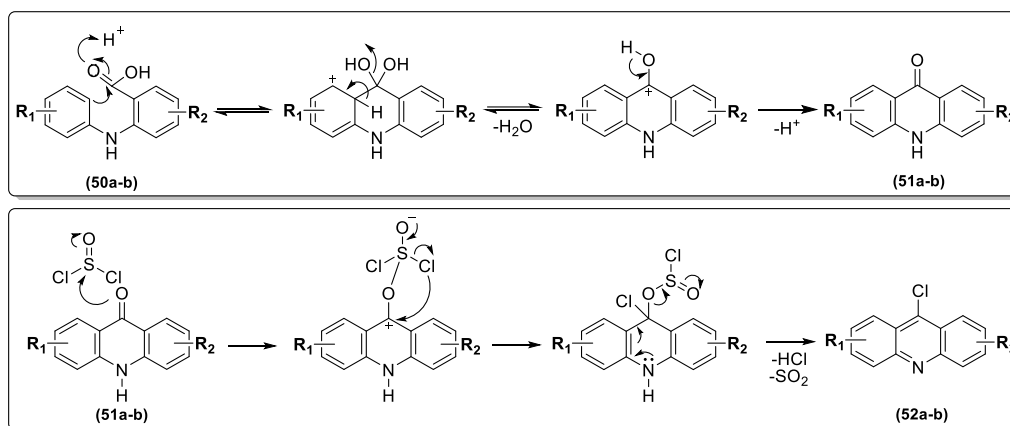


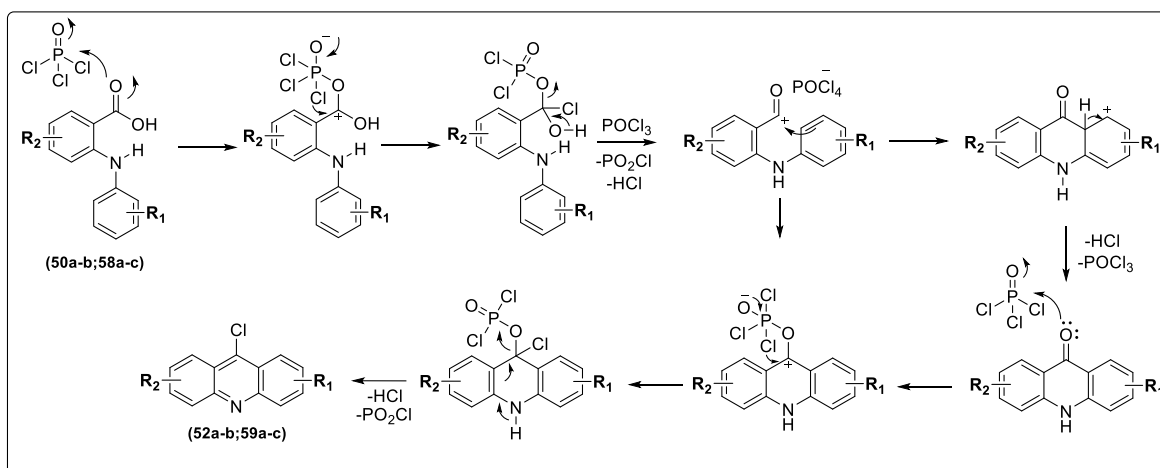
## ANEXOS



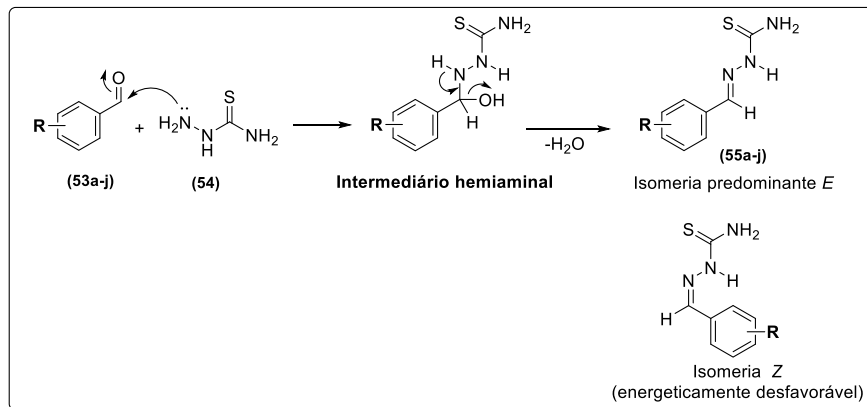
**Figura S1.** Esquema de intermediários proposto para formação dos ácidos *N*-fenilantrânicos.



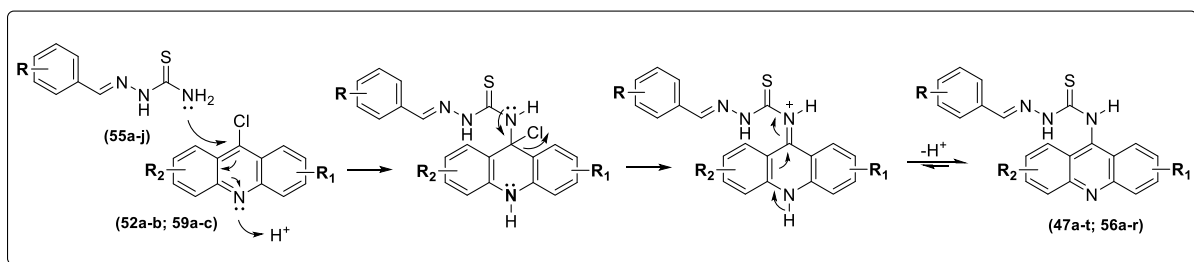
**Figura S2.** Esquema de intermediários proposto para formação do núcleo acridínico (Rota A).



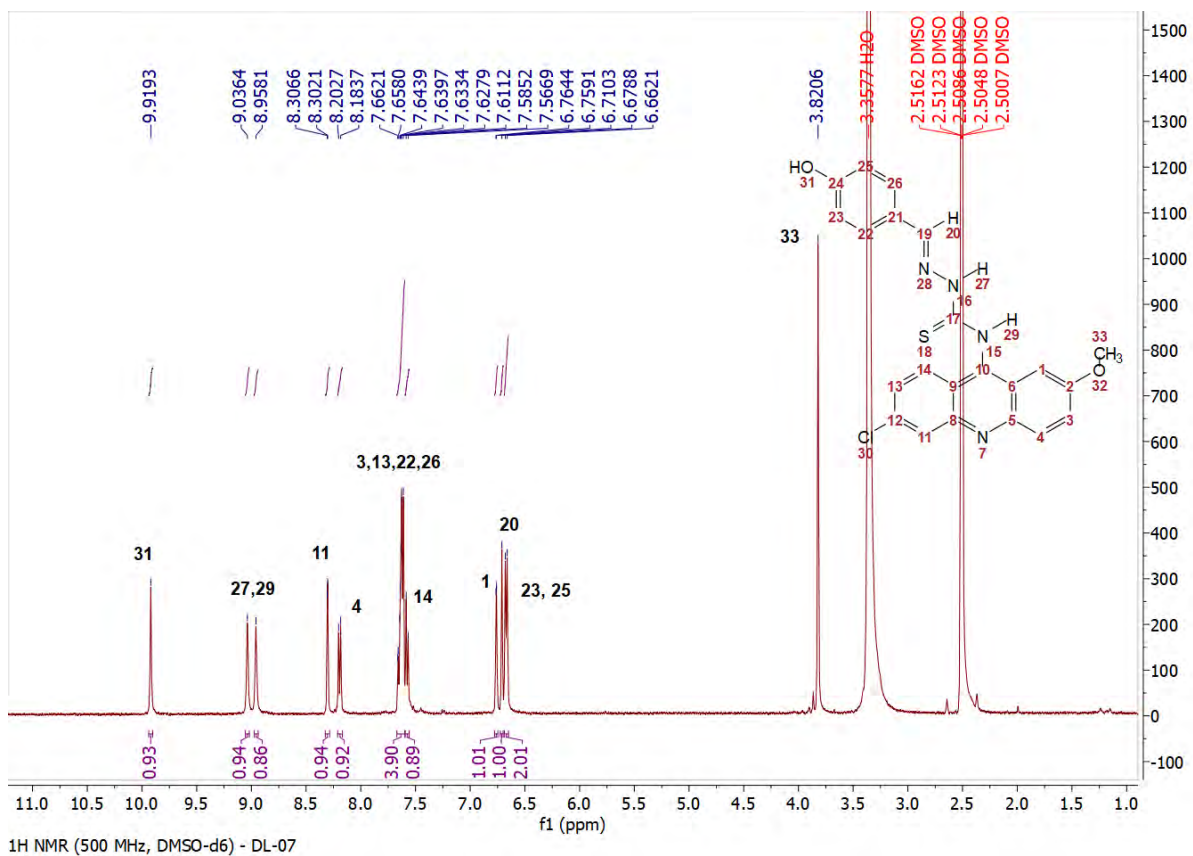
**Figura S3.** Esquema de intermediários proposto para formação do núcleo acridínico (Rota B).



**Figura S4.** Esquema de intermediários proposto para formação dos intermediários tiossemicarbazônicos.



**Figura S5.** Esquema de intermediários proposto para formação dos novos derivados tiossemicarbazônico-acridínicos.



**Figura S6.** Espectro de RMN <sup>1</sup>H do DL-07.

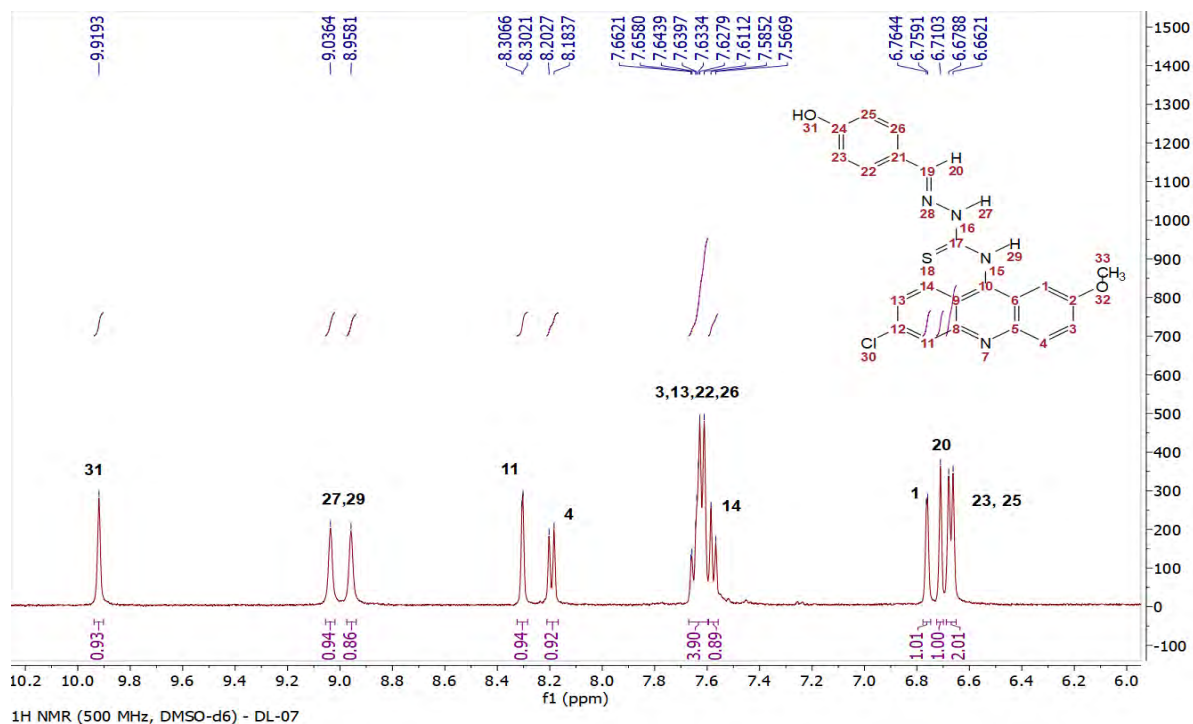


Figure S7. Expansão do espectro de RMN <sup>1</sup>H do DL-07.

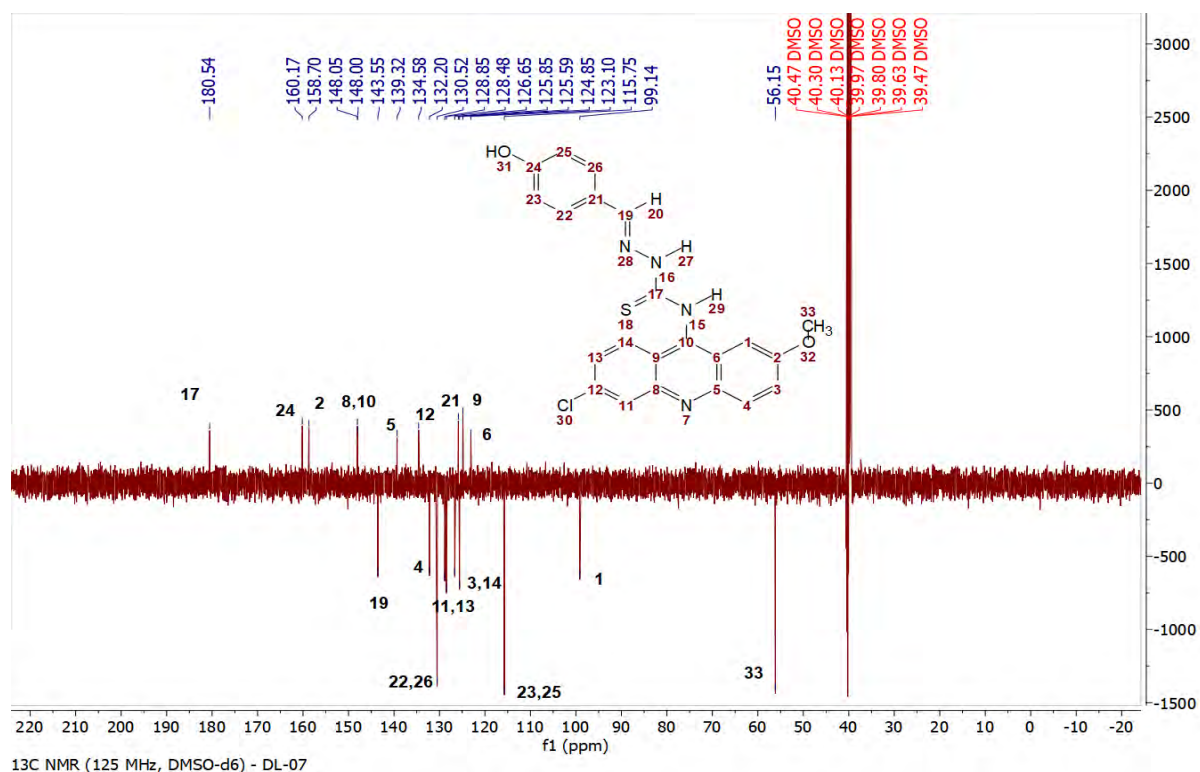
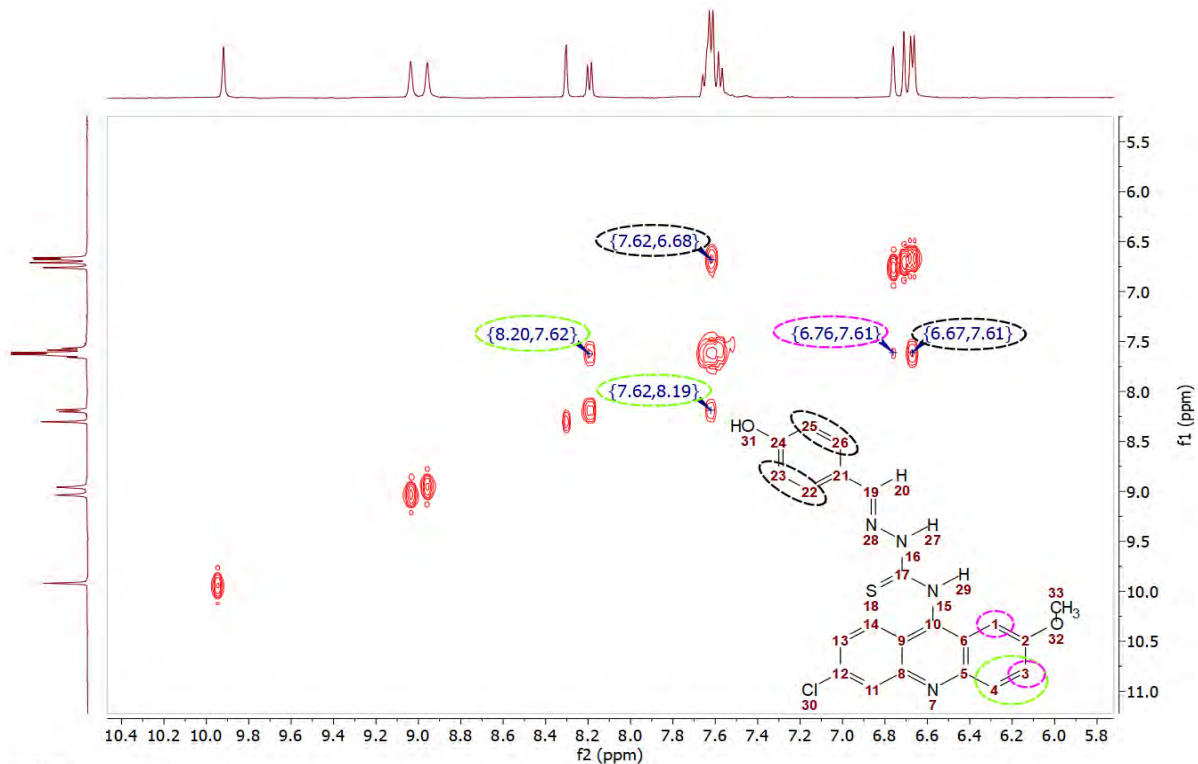
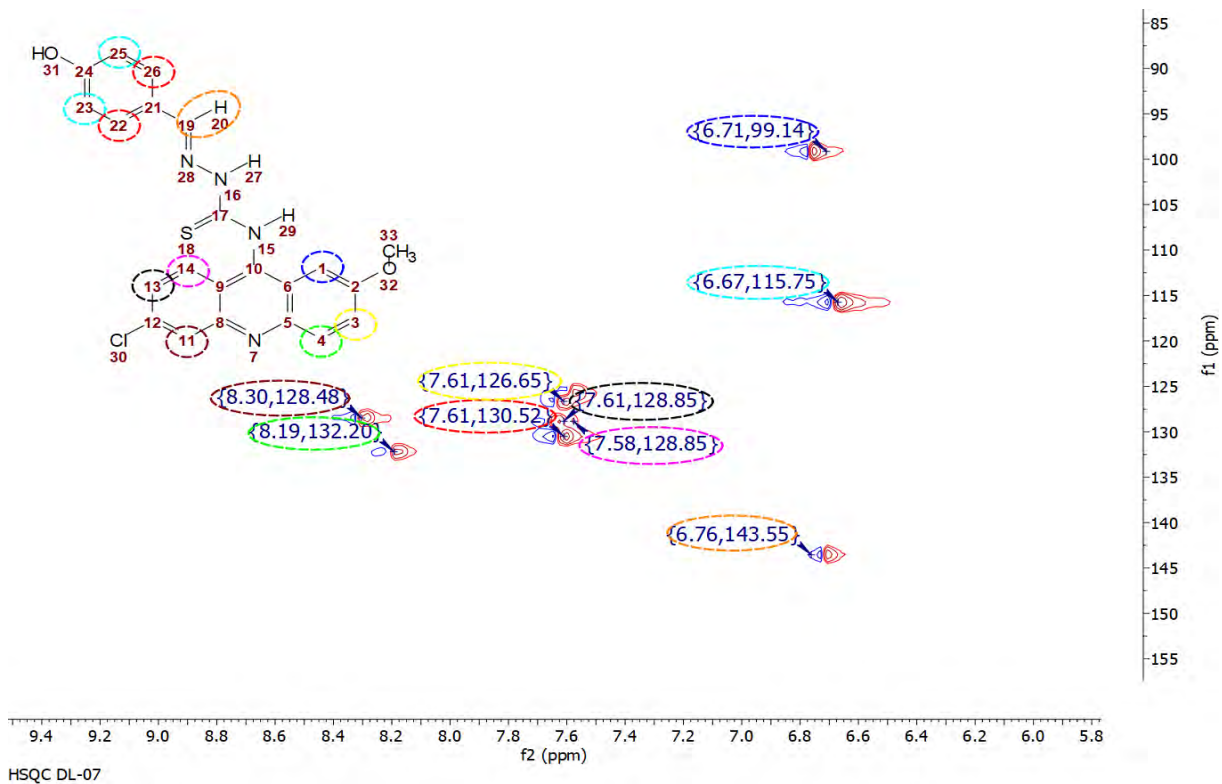


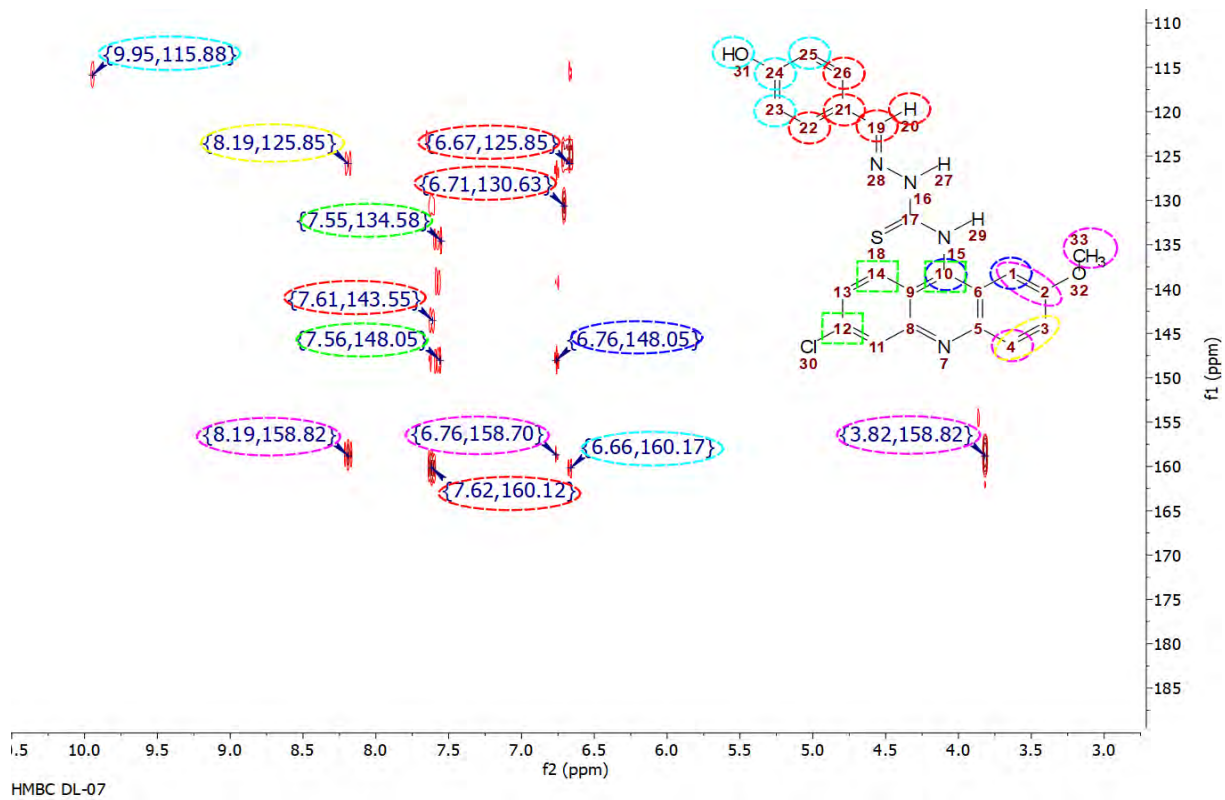
Figure S8. Espectro de RMN <sup>13</sup>C do DL-07.



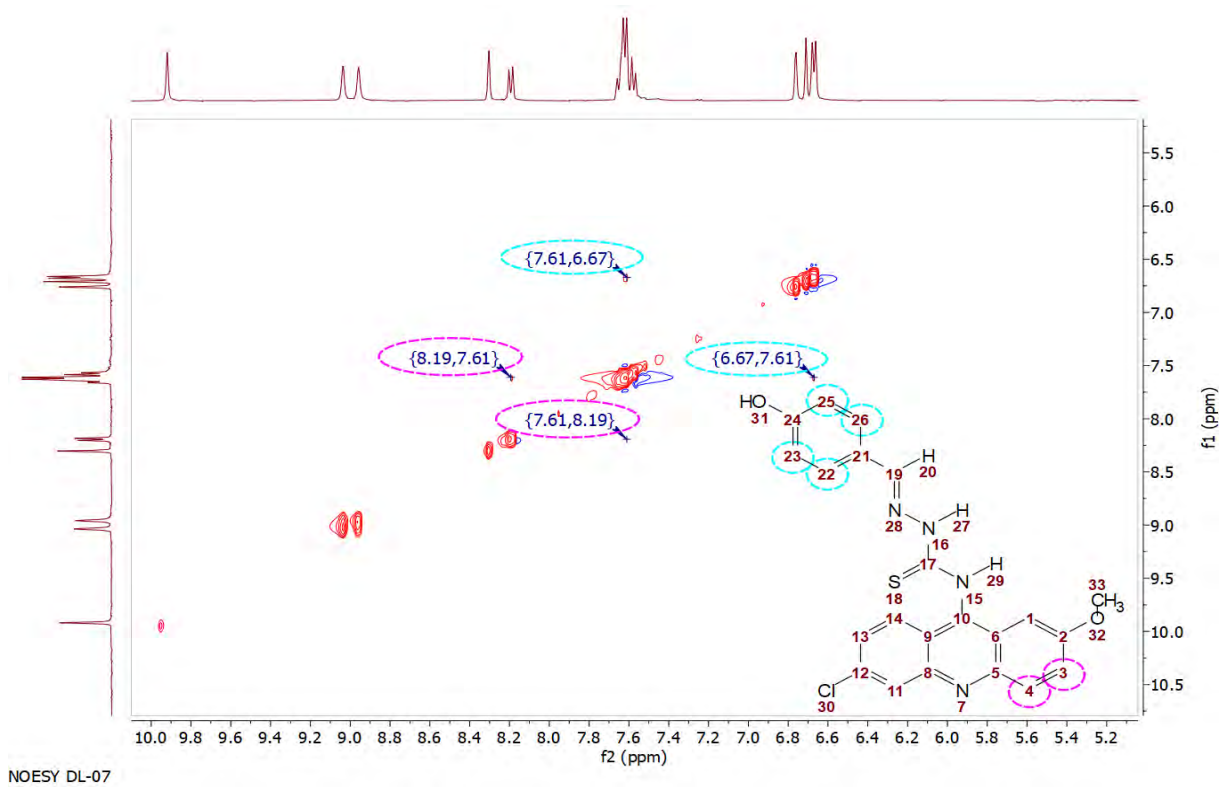
**Figure S9.** Espectro de correlação COSY do DL-07.



**Figure S10.** Espectro de correlação HSQC do DL-07.



**Figure S11.** Espectro de correlação HMBC do DL-07.



**Figura S12.** Espectro de correlação NOESY do DL-07.

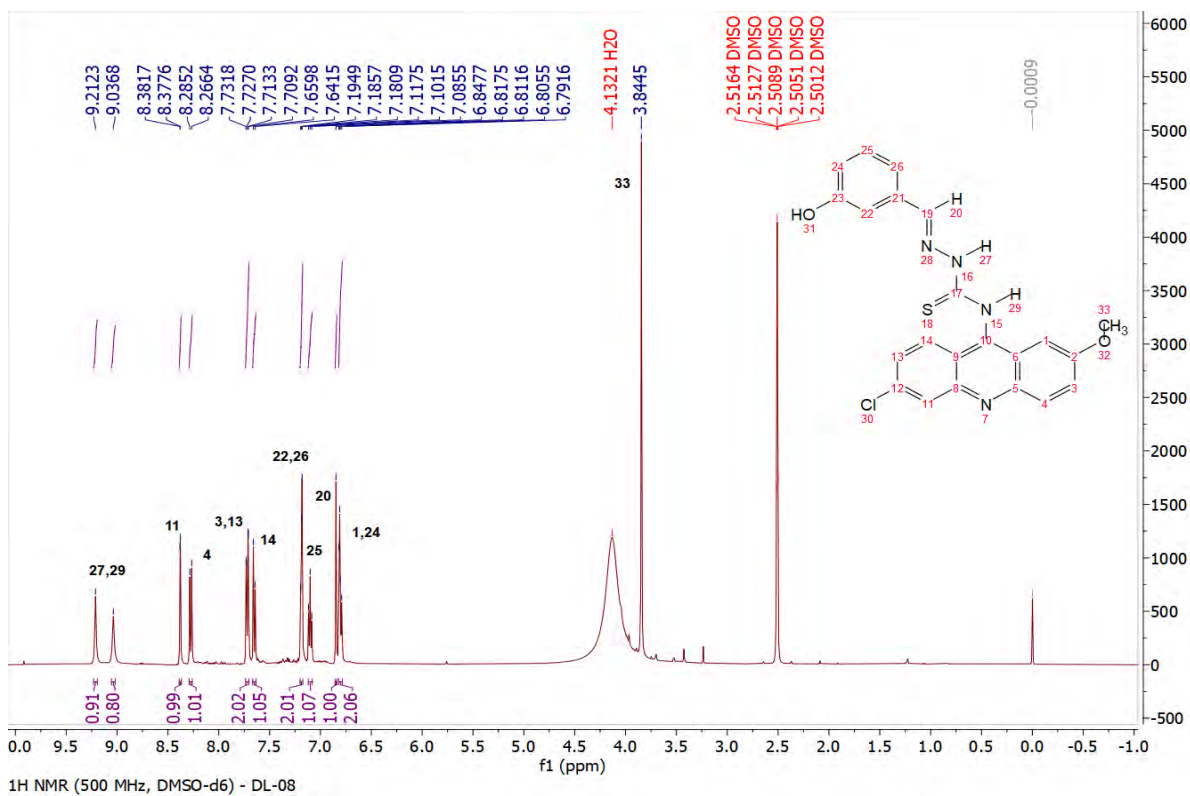


Figura S13. Espectro de RMN  $^1\text{H}$  do DL-08.

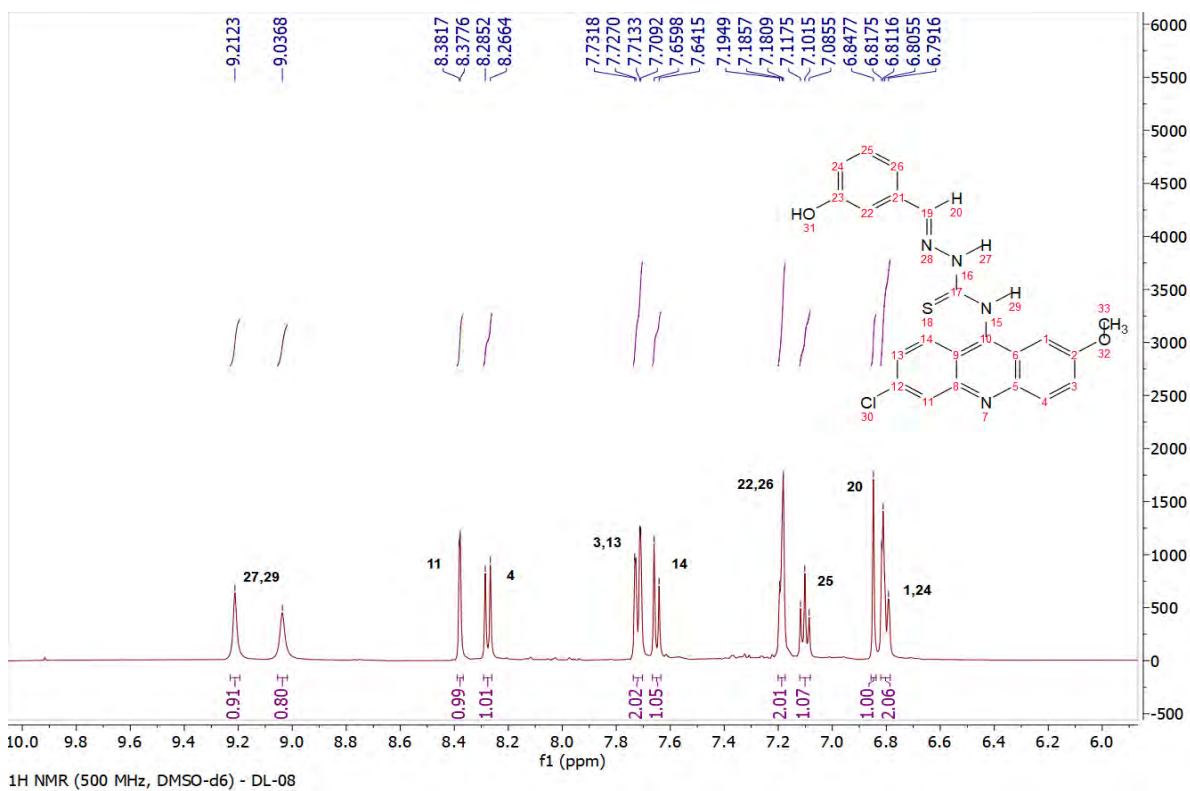


Figura S14. Expansão do espectro de RMN  $^1\text{H}$  do DL-08.

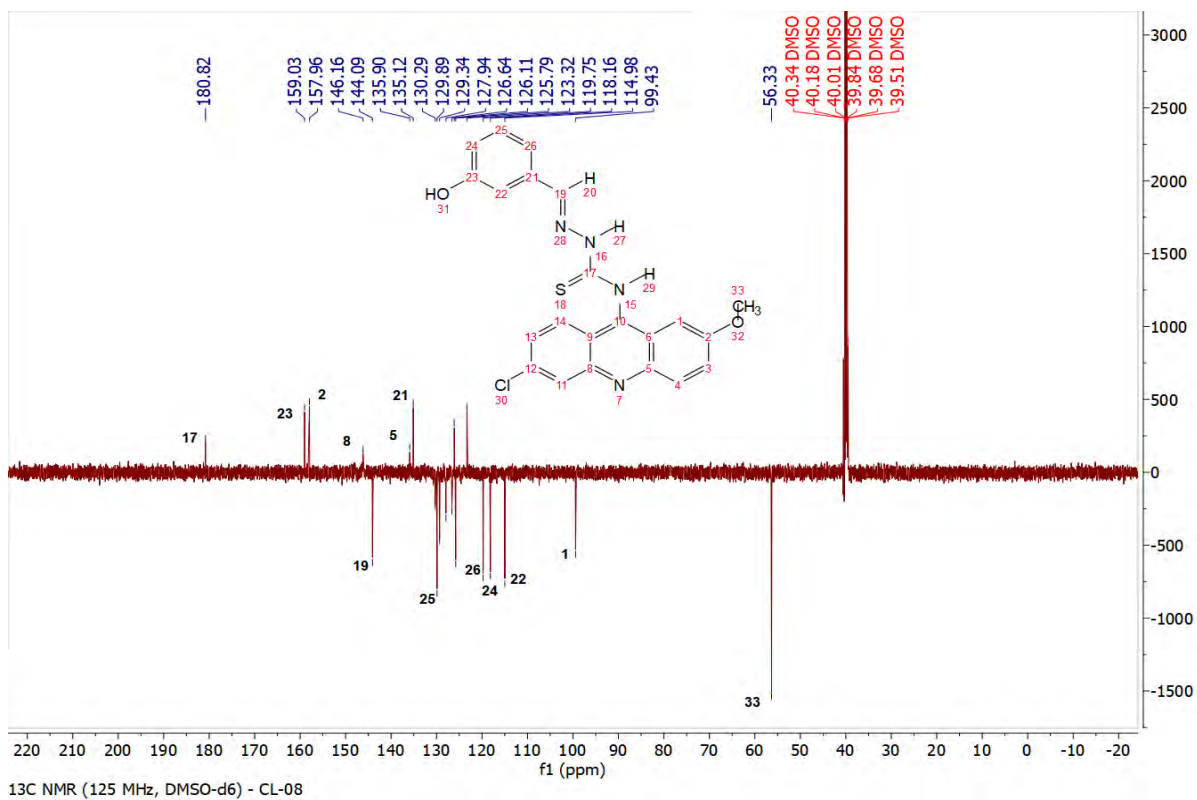


Figure S15. Espectro de RMN  $^{13}\text{C}$  do DL-08.

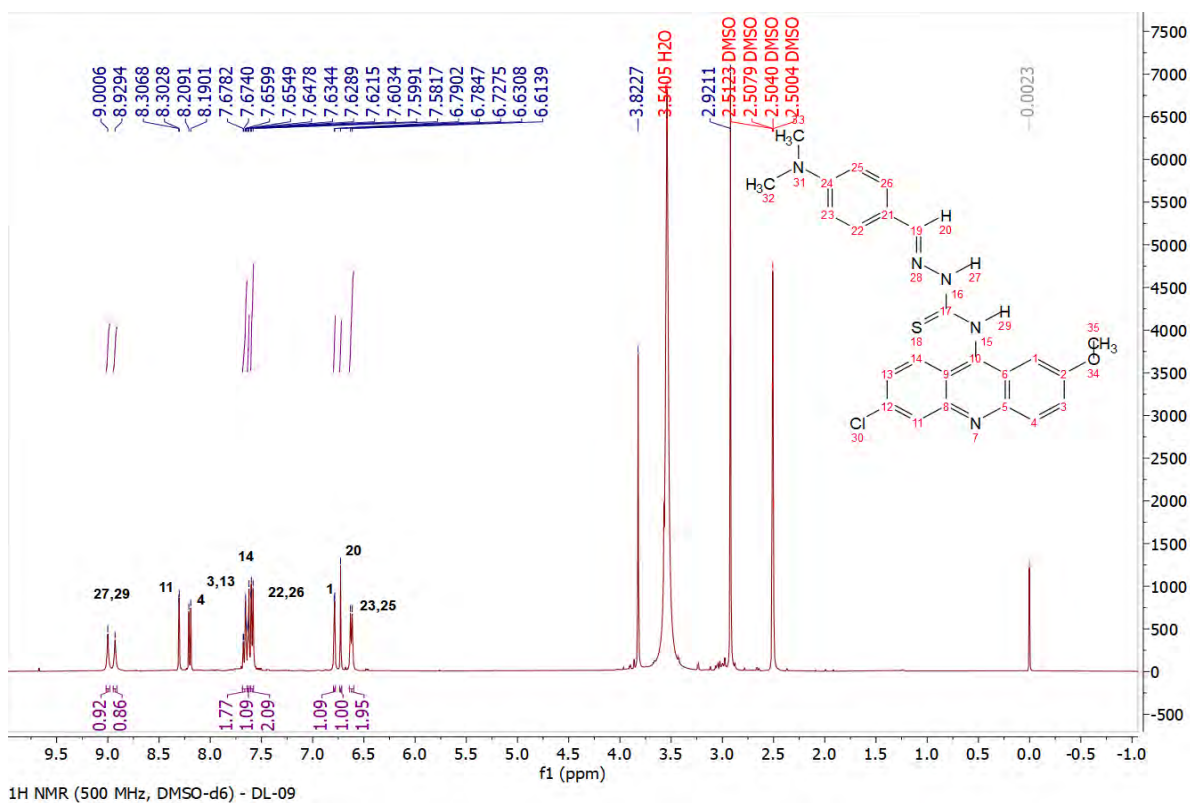


Figura S16. Espectro de RMN  $^1\text{H}$  do DL-09.

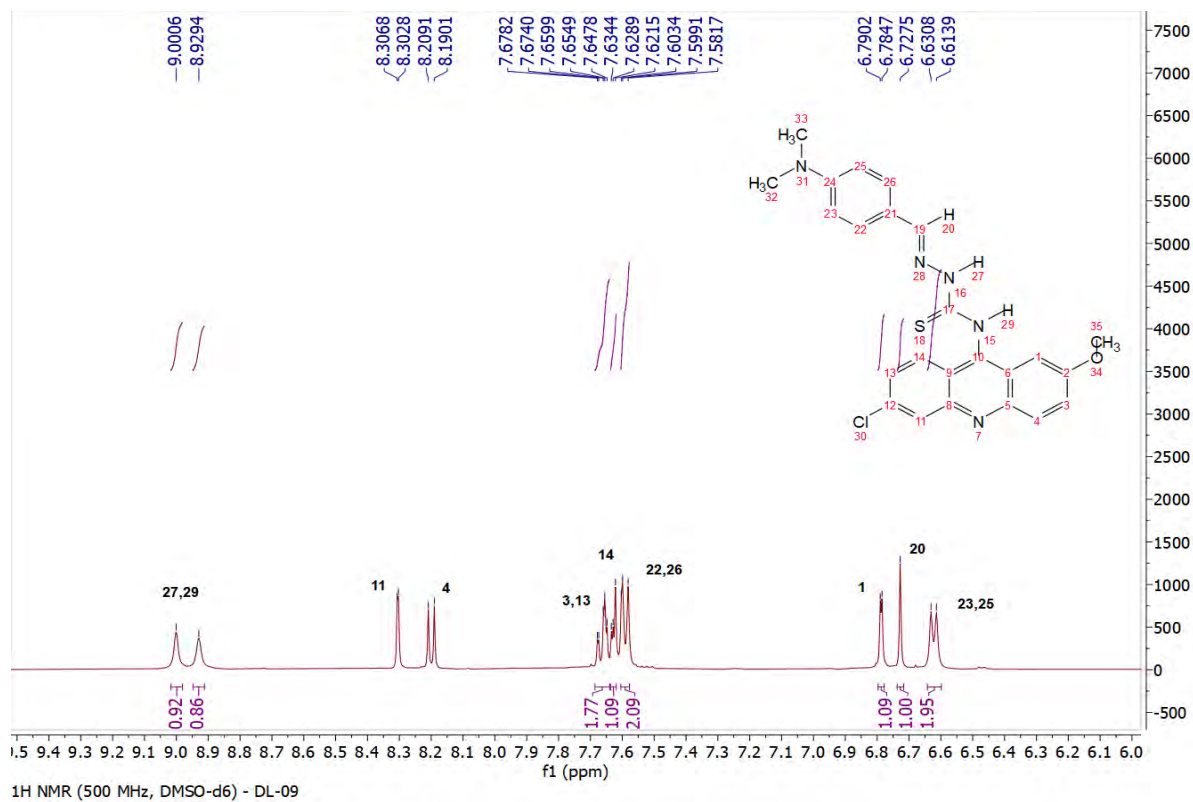


Figura S17. Expansão do espectro de RMN <sup>1</sup>H do DL-09.

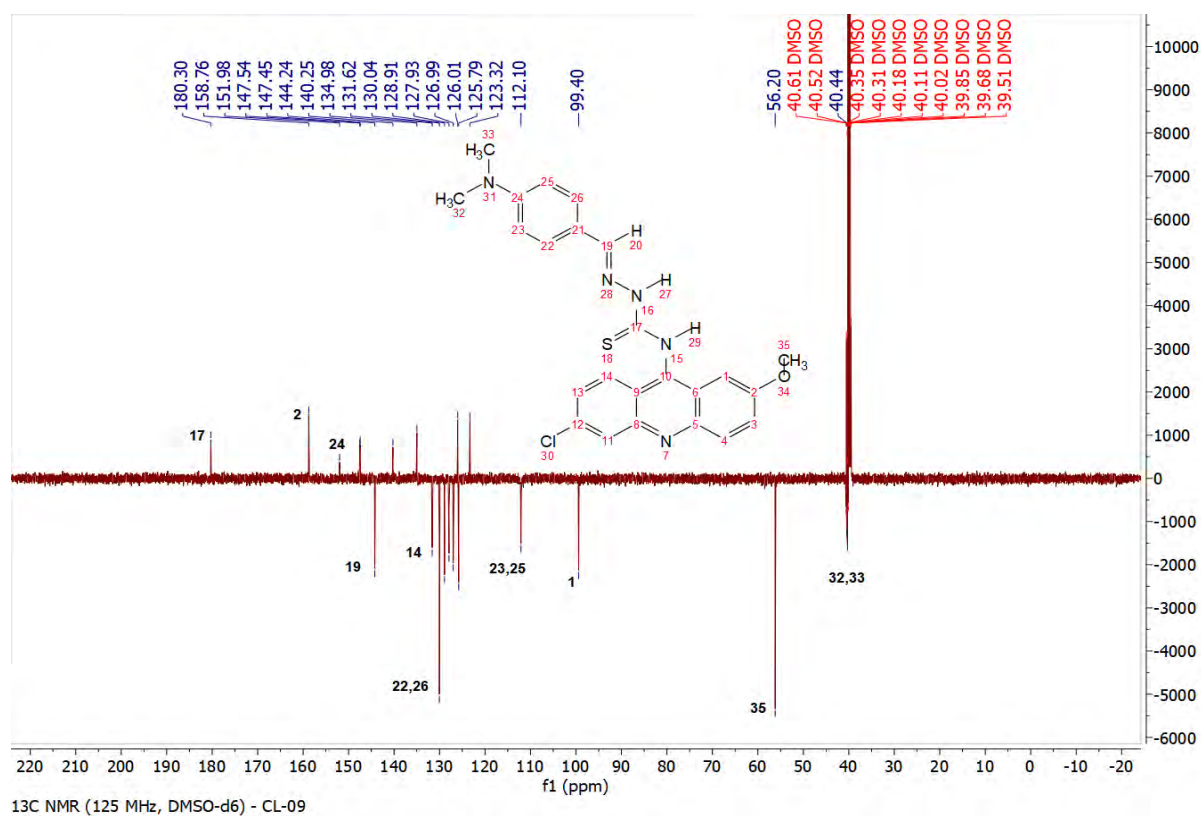


Figure S18. Espectro de RMN <sup>13</sup>C do DL-09.



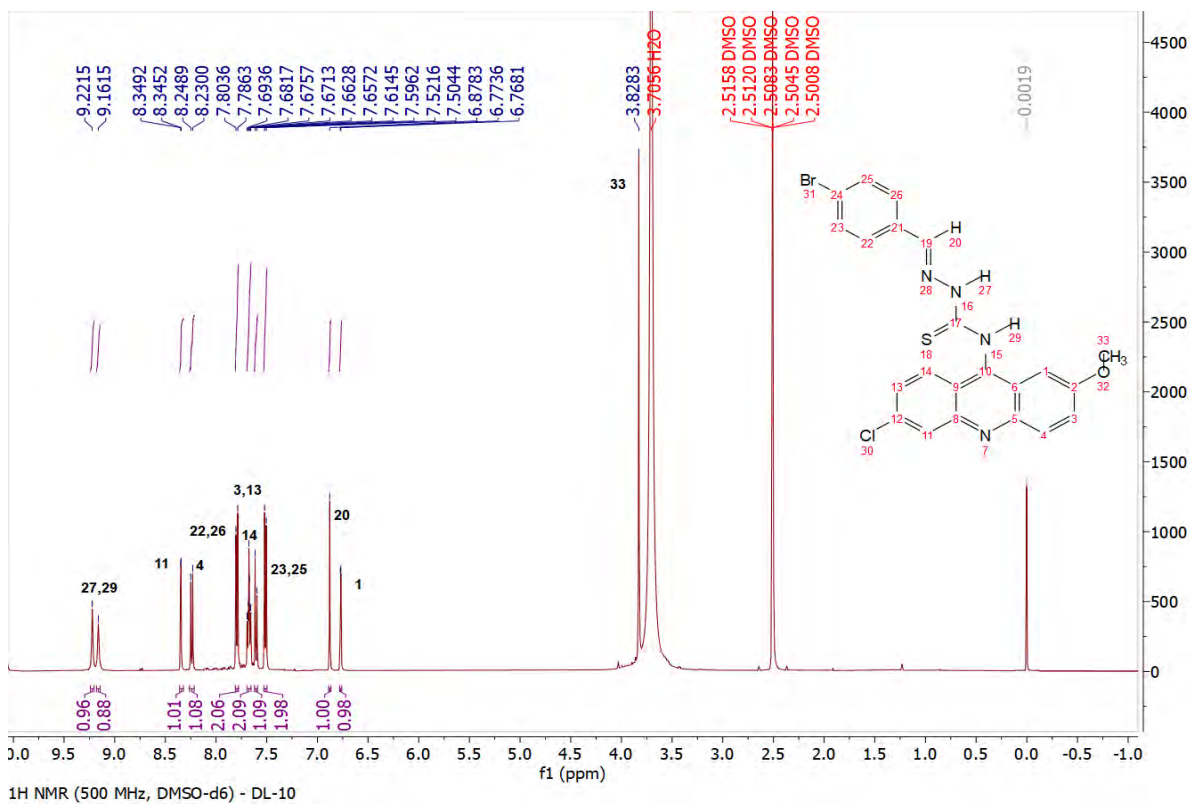


Figura S19. Espectro de RMN  $^1\text{H}$  do DL-10.

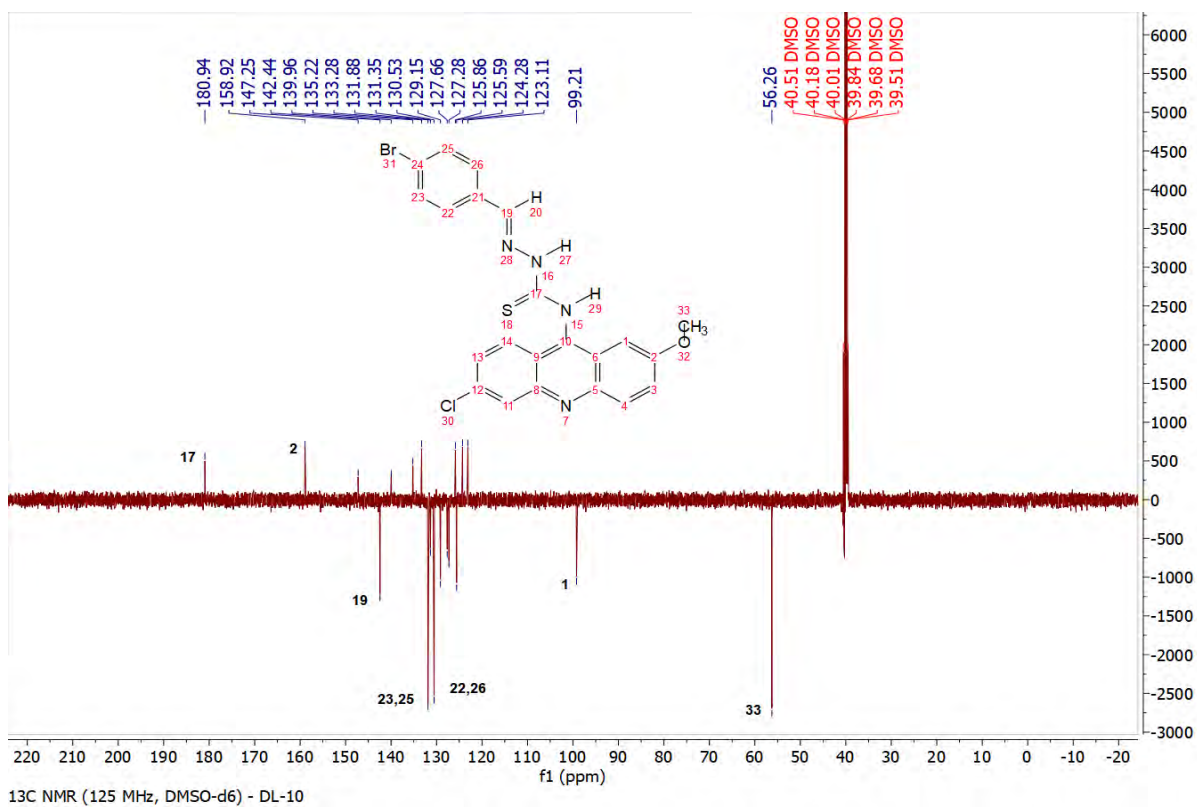


Figure S20. Espectro de RMN  $^{13}\text{C}$  do DL-10.

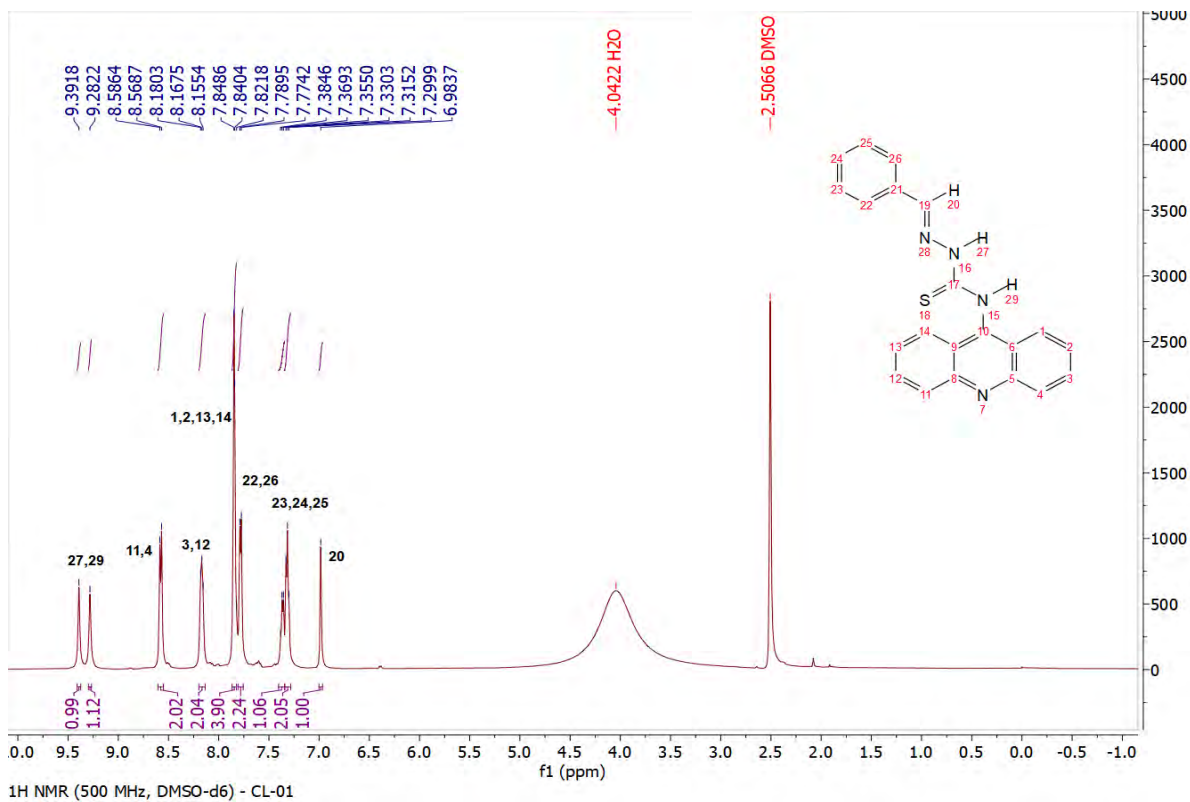


Figura S21. Espectro de RMN <sup>1</sup>H do CL-01.

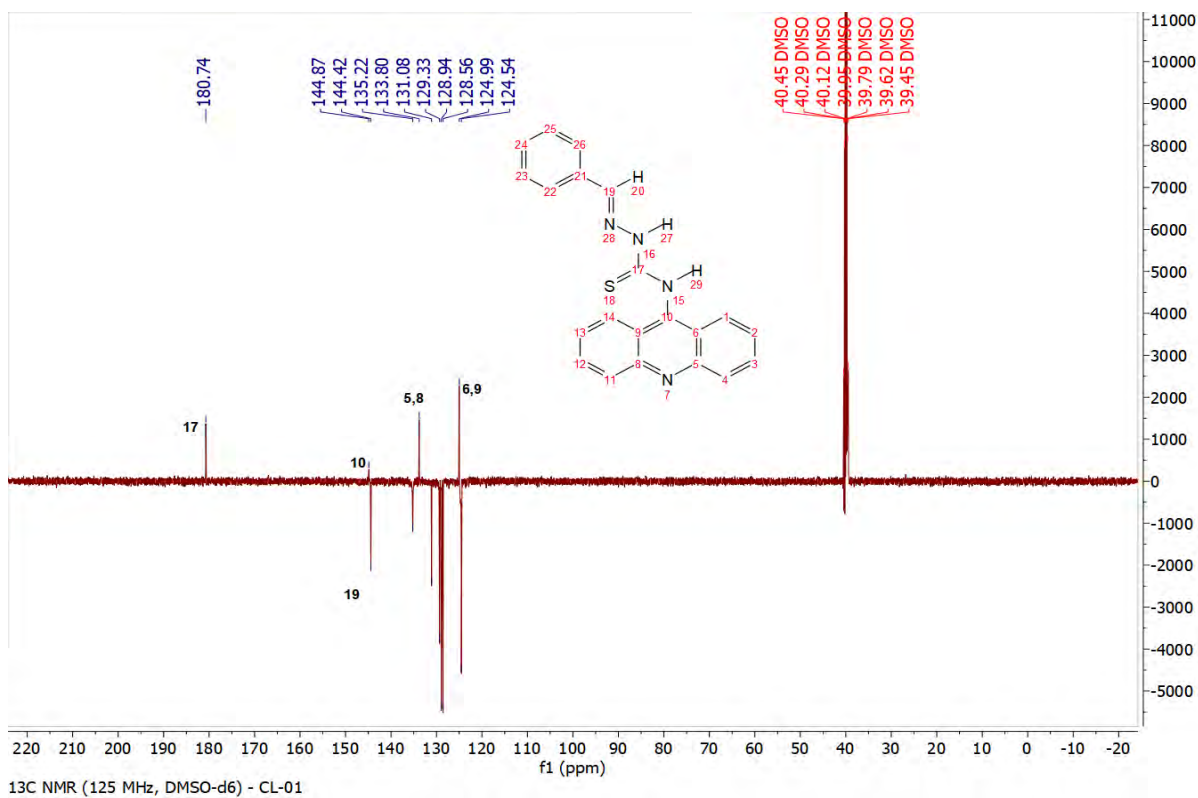


Figura S22. Espectro de RMN <sup>13</sup>C do CL-01.

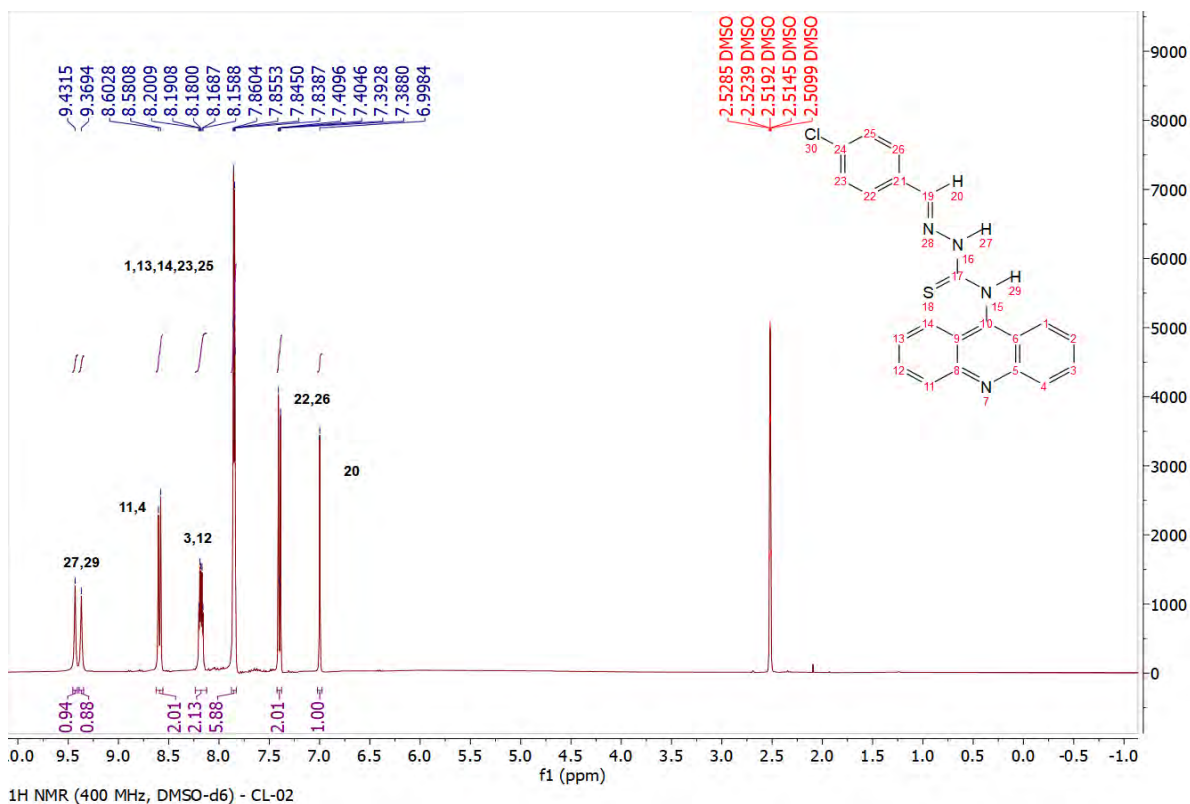


Figura S23. Espectro de RMN  $^1\text{H}$  do CL-02.

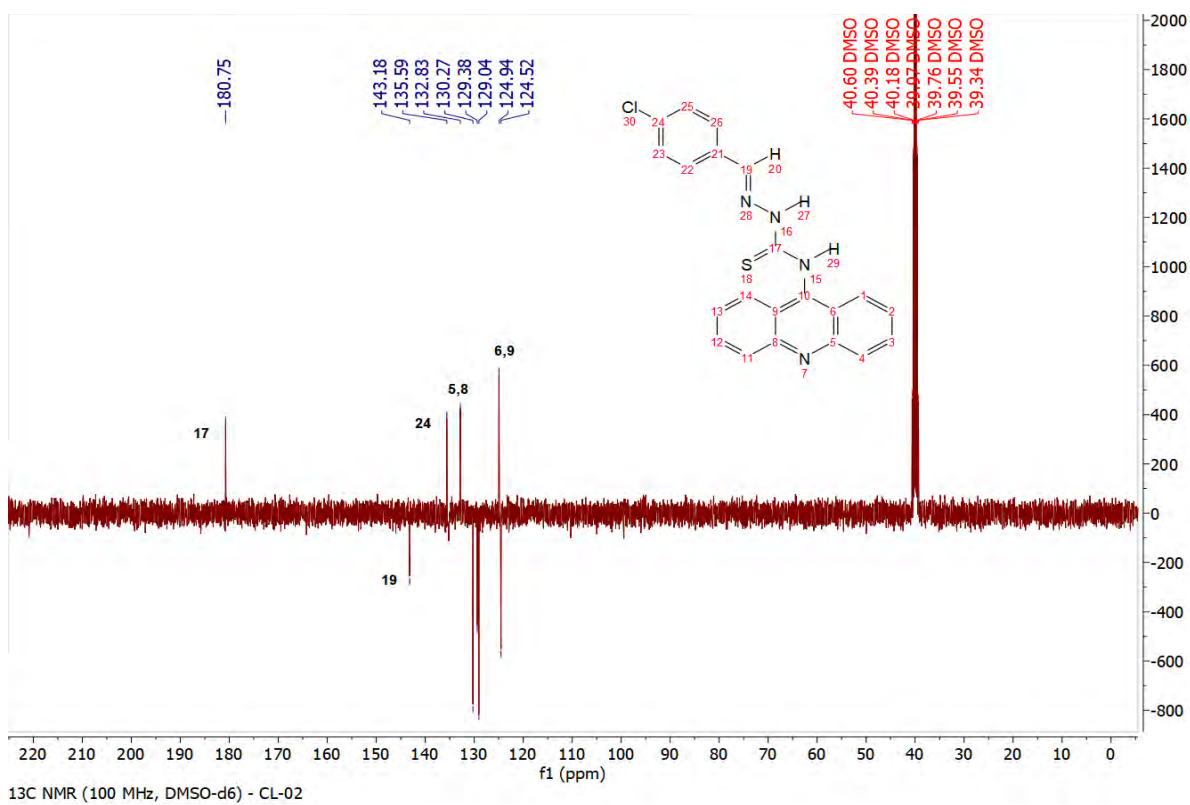


Figura S24. Espectro de RMN  $^{13}\text{C}$  do CL-02.

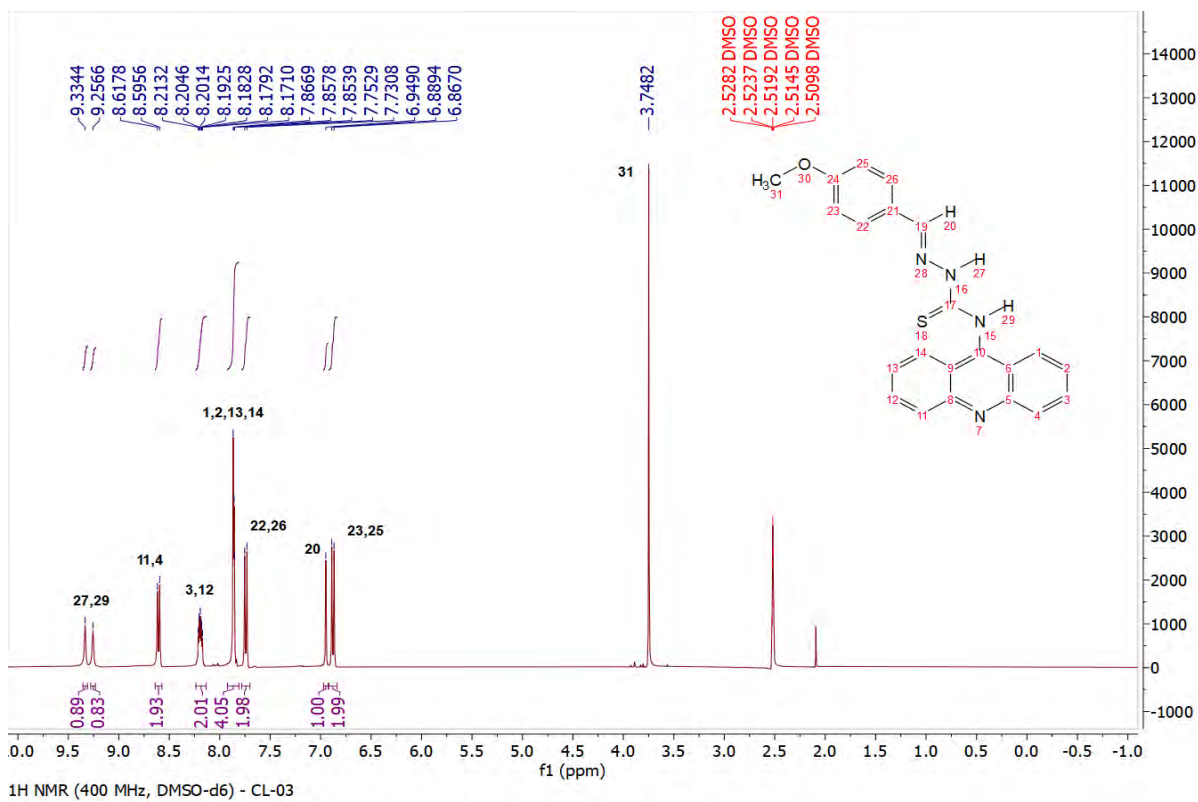


Figura S25. <sup>1</sup>H NMR spectrum of CL-03.

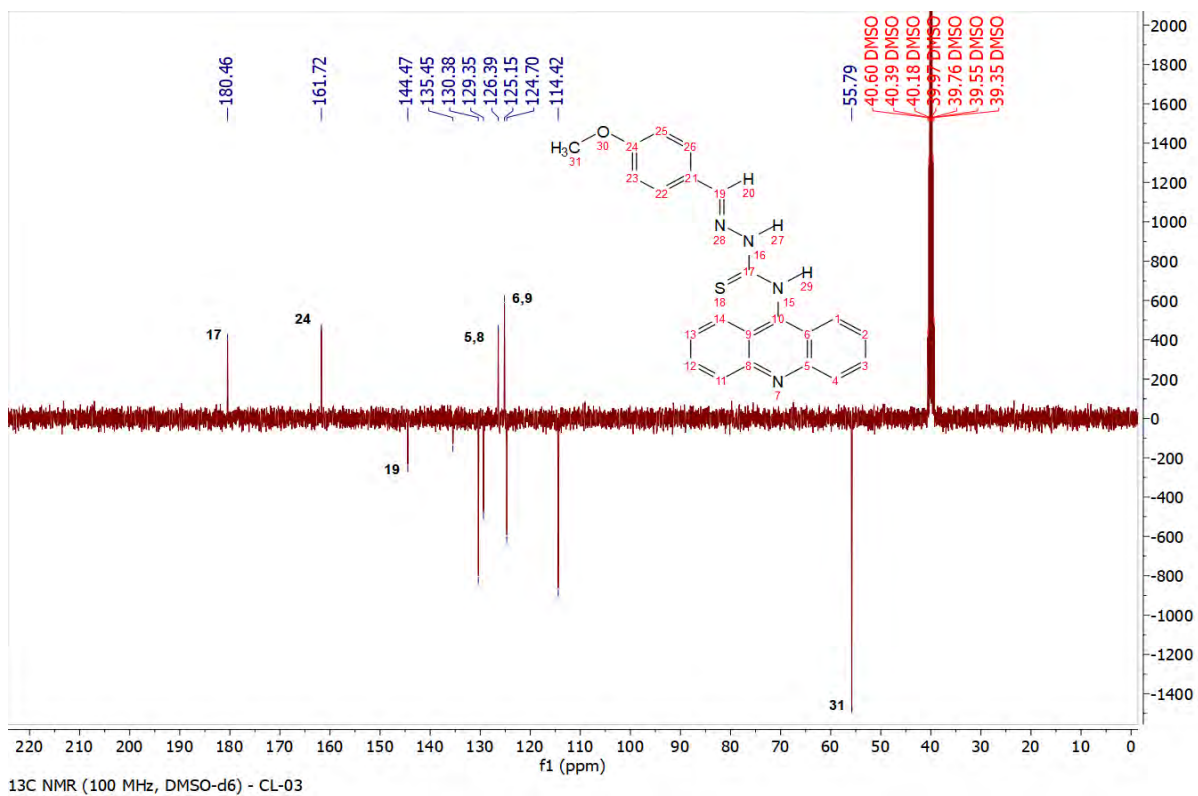


Figura S26. Espectro de RMN <sup>13</sup>C do CL-03.

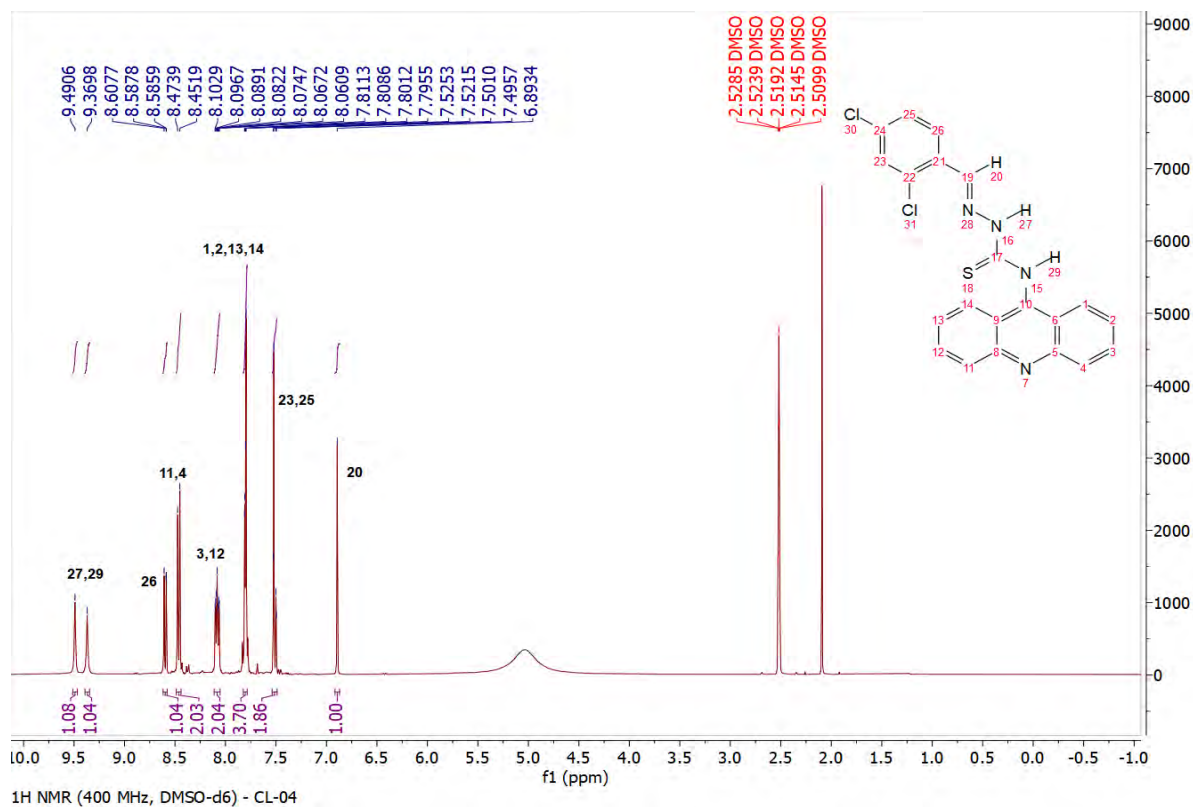


Figura S27. Espectro de RMN <sup>1</sup>H do CL-04.

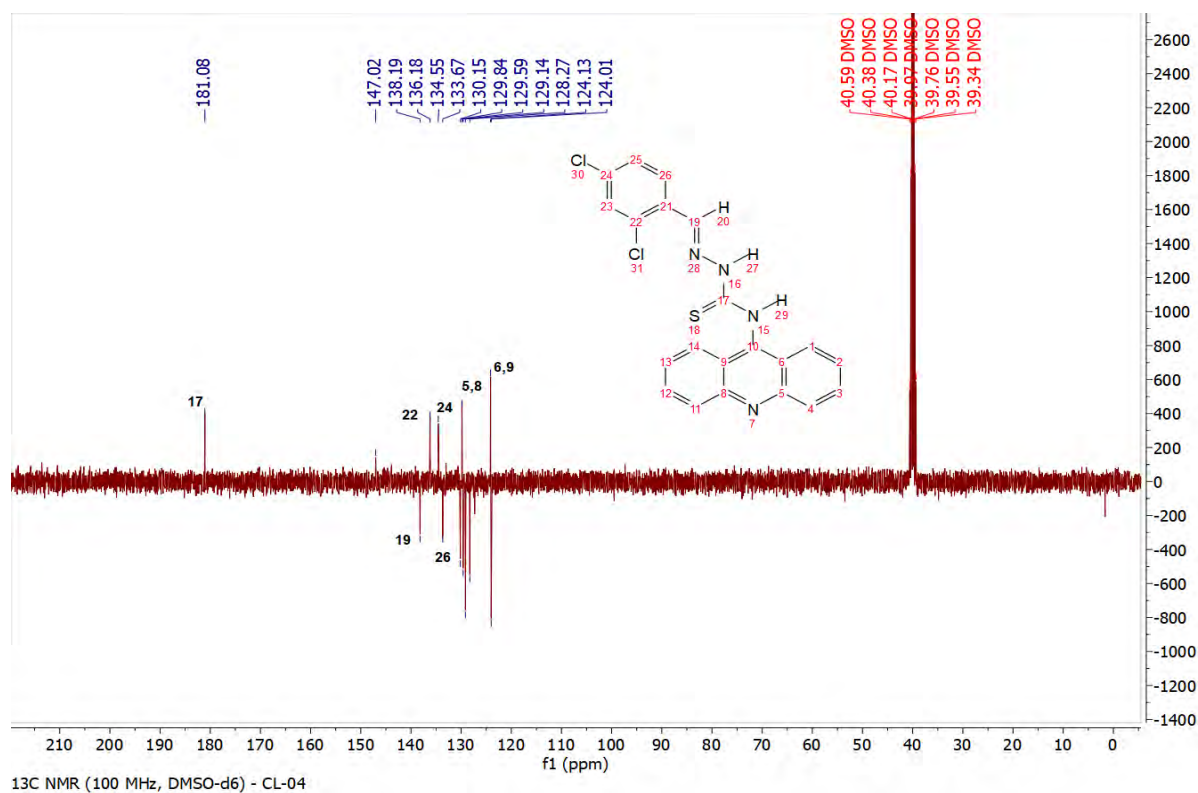


Figura S28. Espectro de RMN <sup>13</sup>C do CL-04.

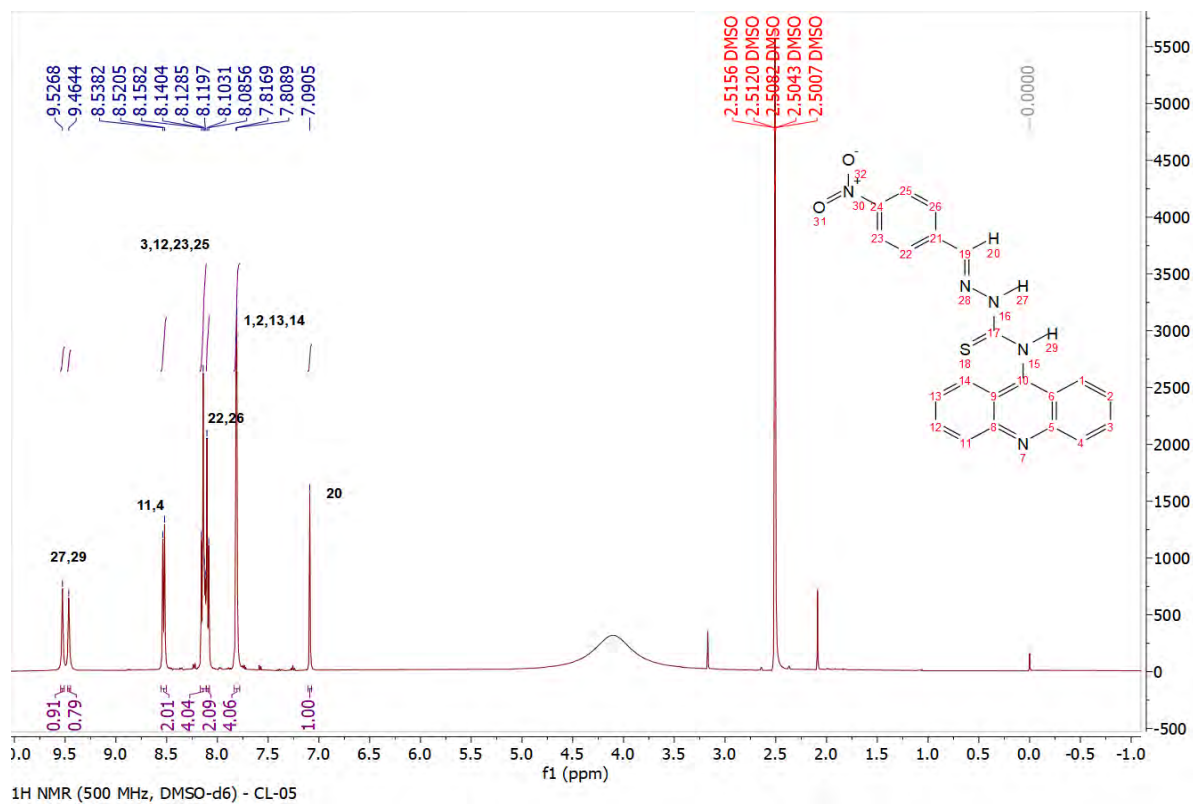


Figura S29. Espectro de RMN <sup>1</sup>H do CL-05.

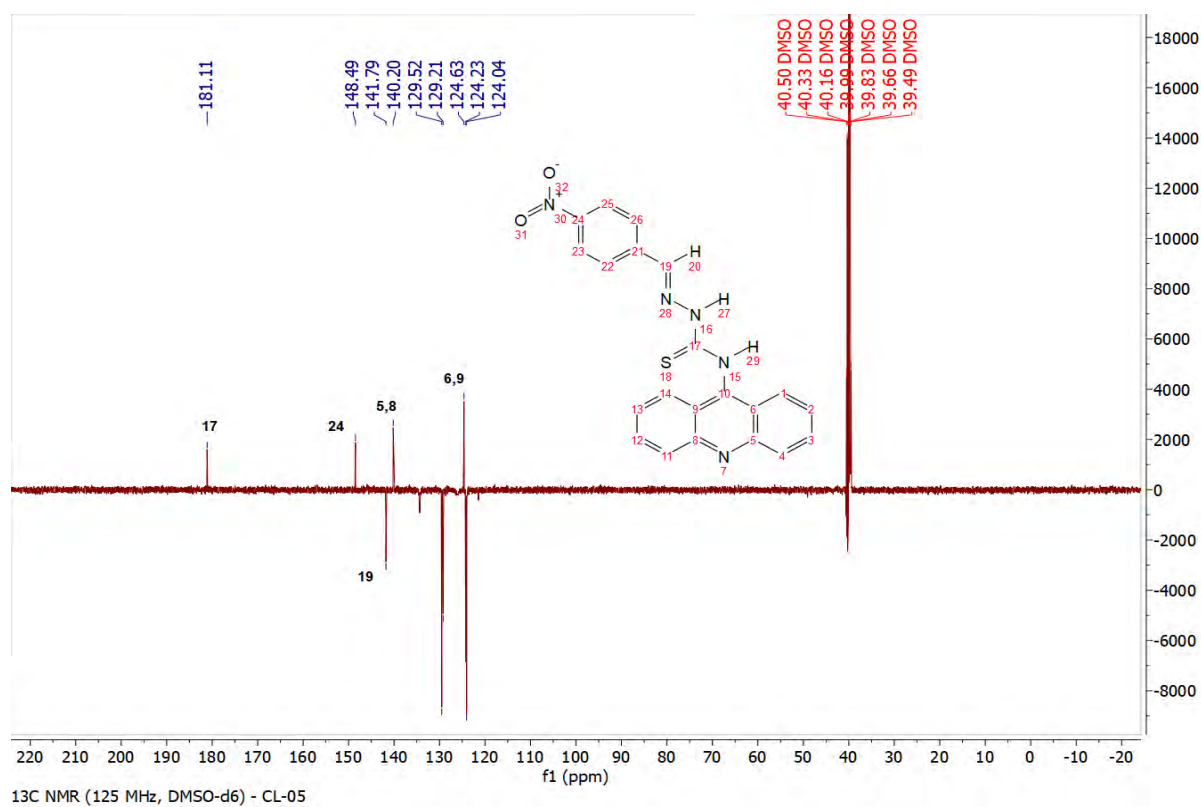


Figura S30: Espectro de RMN <sup>13</sup>C do CL-05.

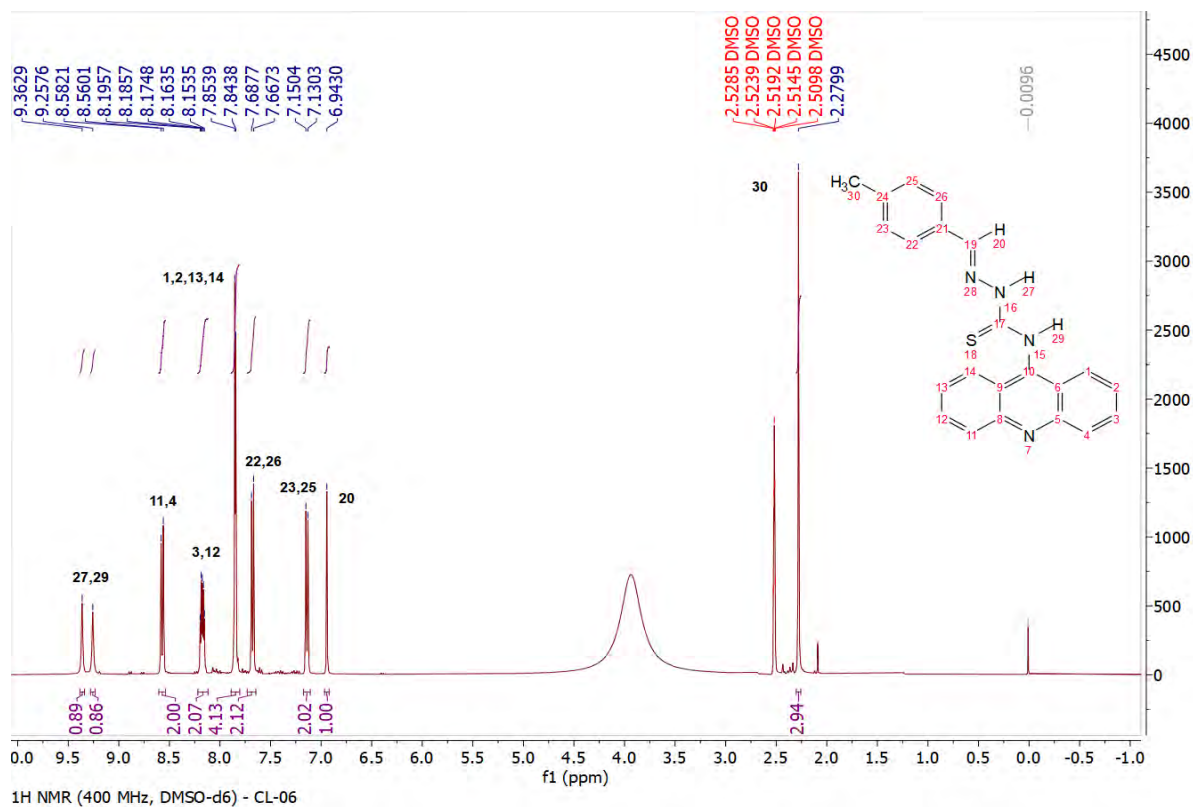


Figura S31. Espectro de RMN  $^1\text{H}$  do CL-06.

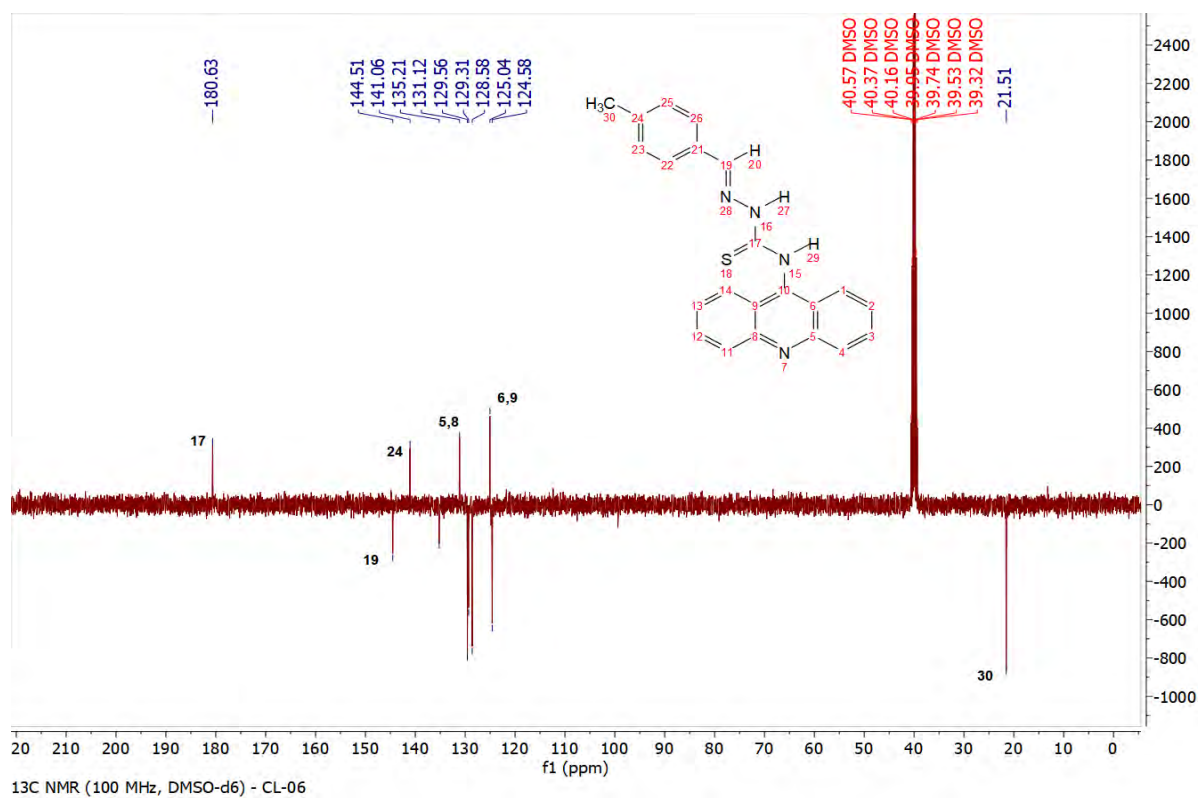


Figura S32. Espectro de RMN  $^{13}\text{C}$  do CL-06.

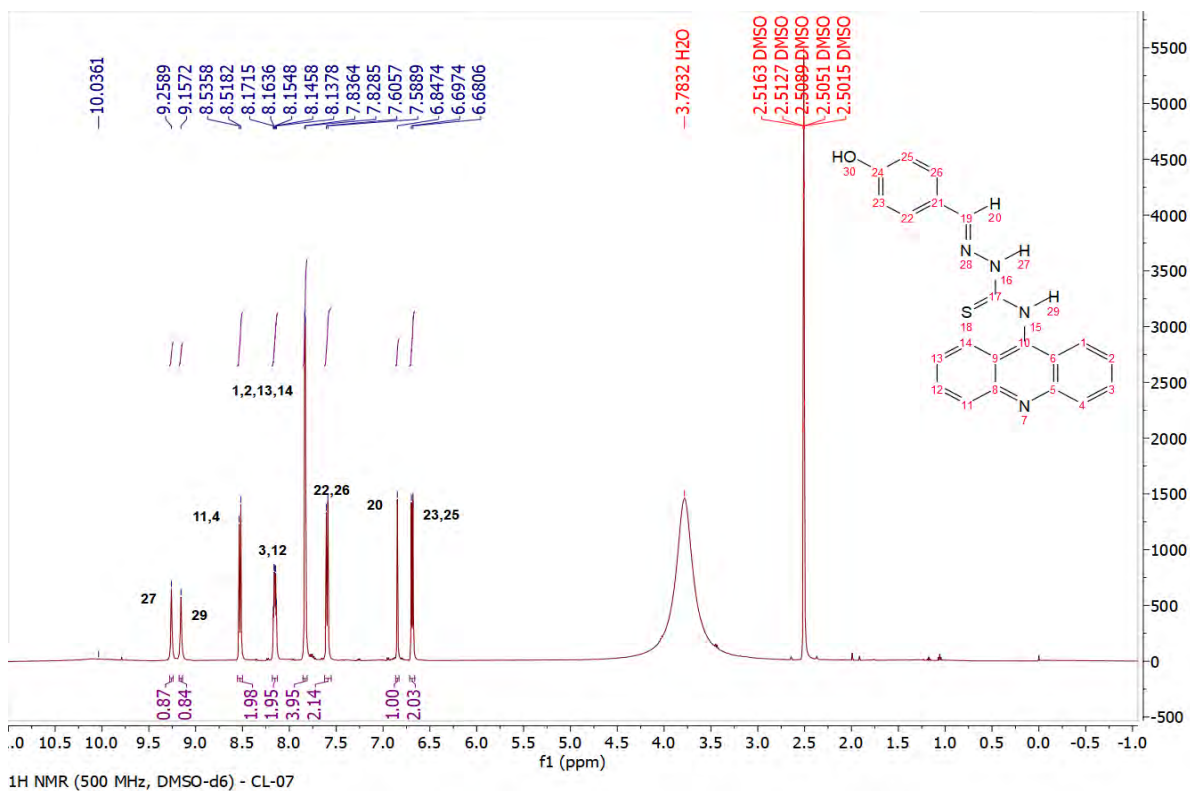


Figura S33. Espectro de RMN <sup>1</sup>H do CL-07.

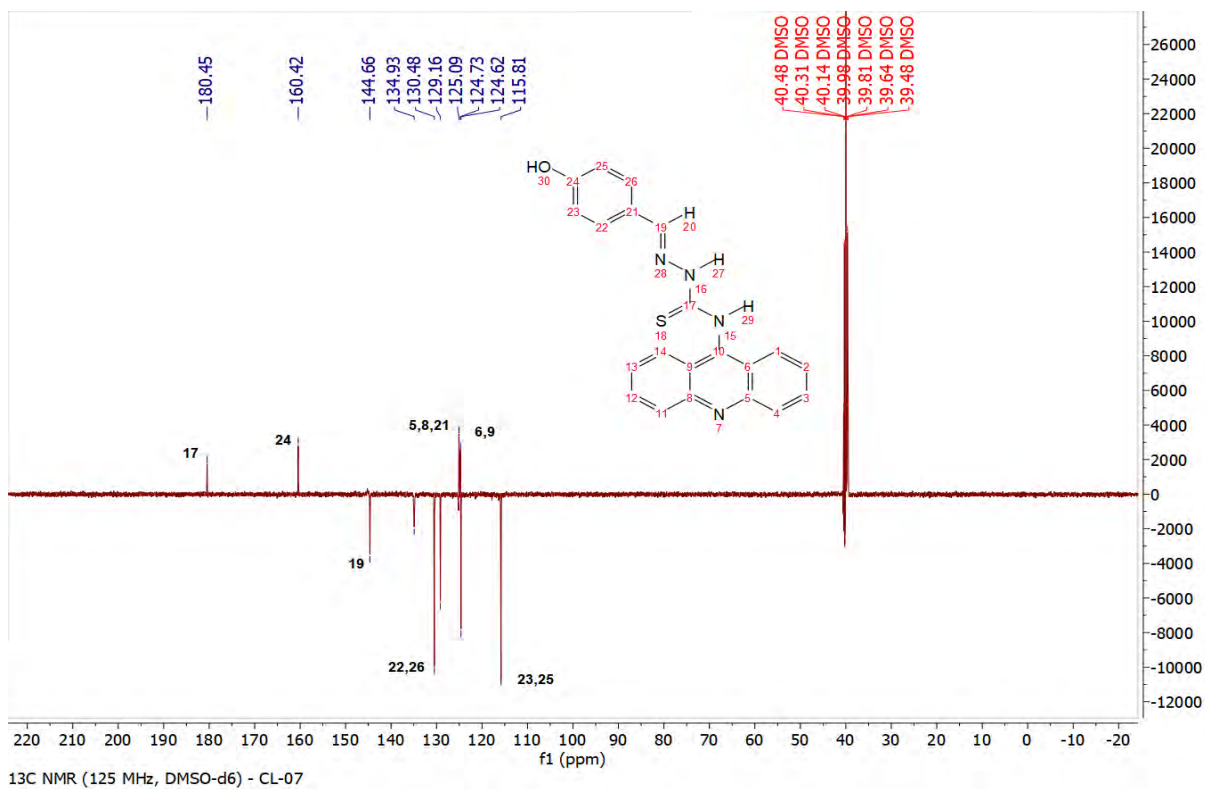


Figura S34. Espectro de RMN <sup>13</sup>C do CL-07.



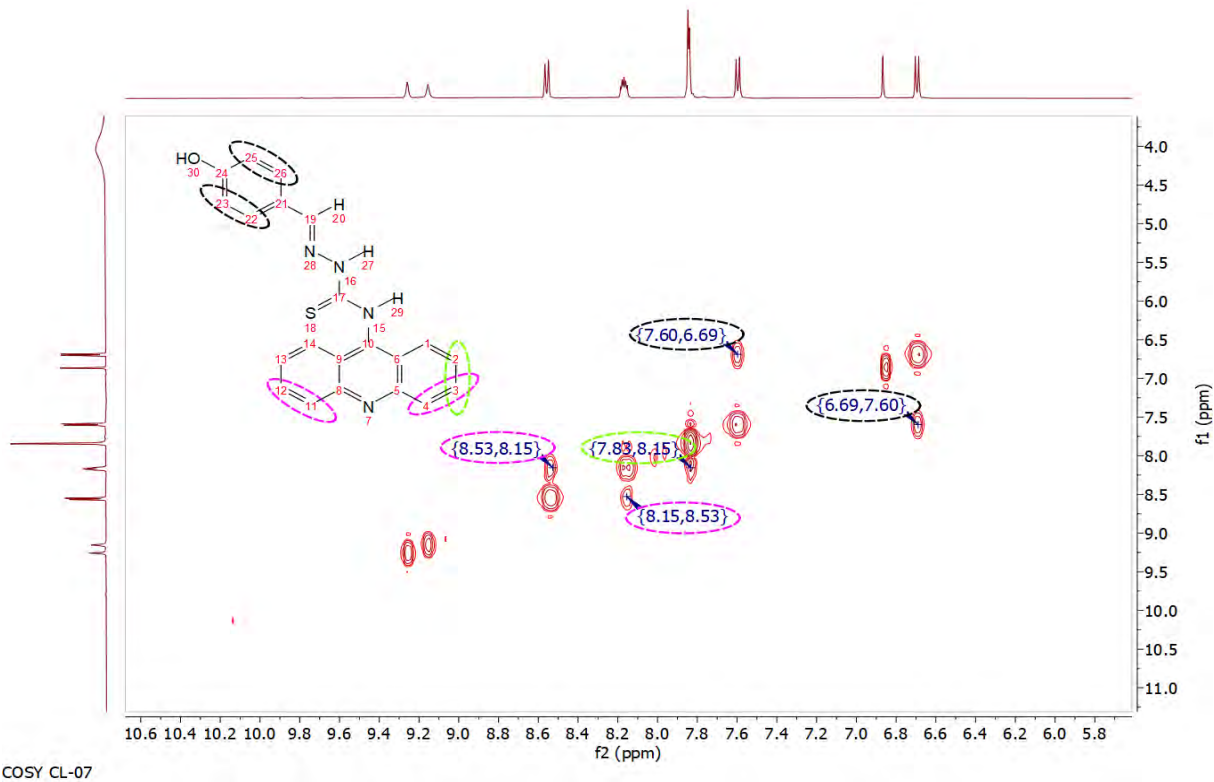


Figura S35. Espectro de correlação COSY do CL-07.

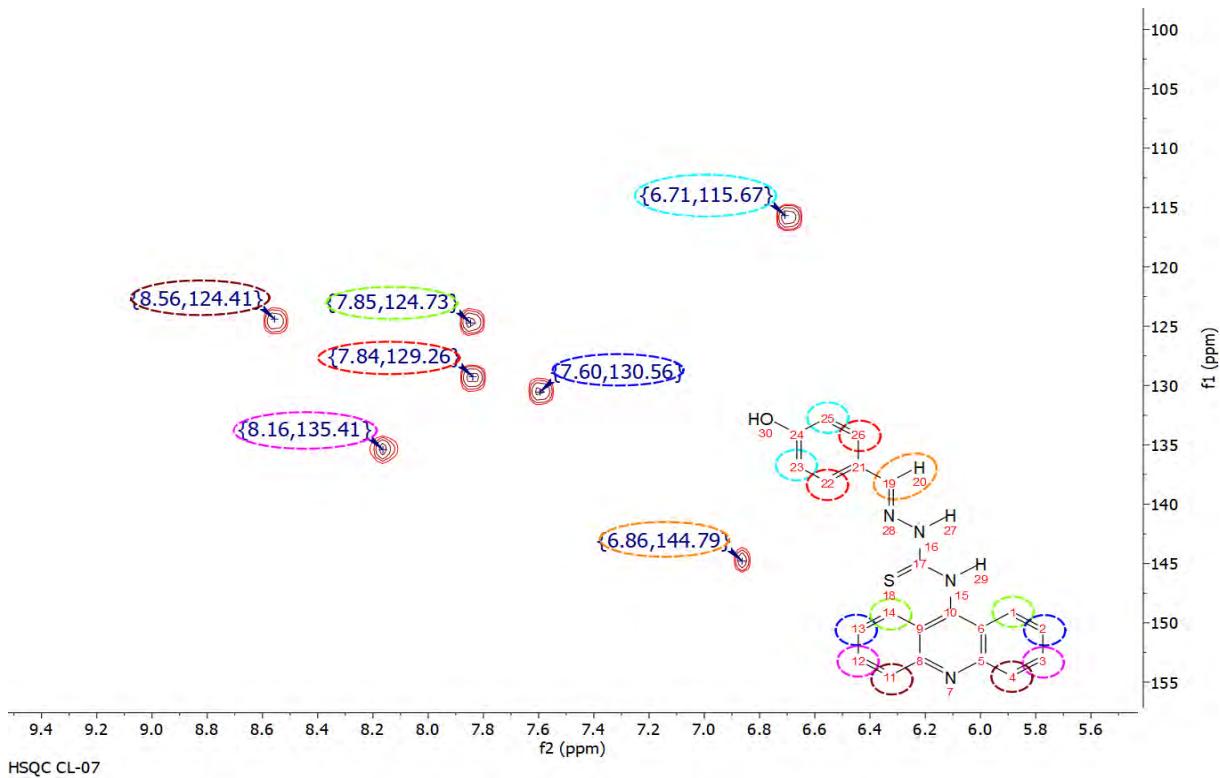


Figura S36. Espectro de correlação HSQC do CL-07.

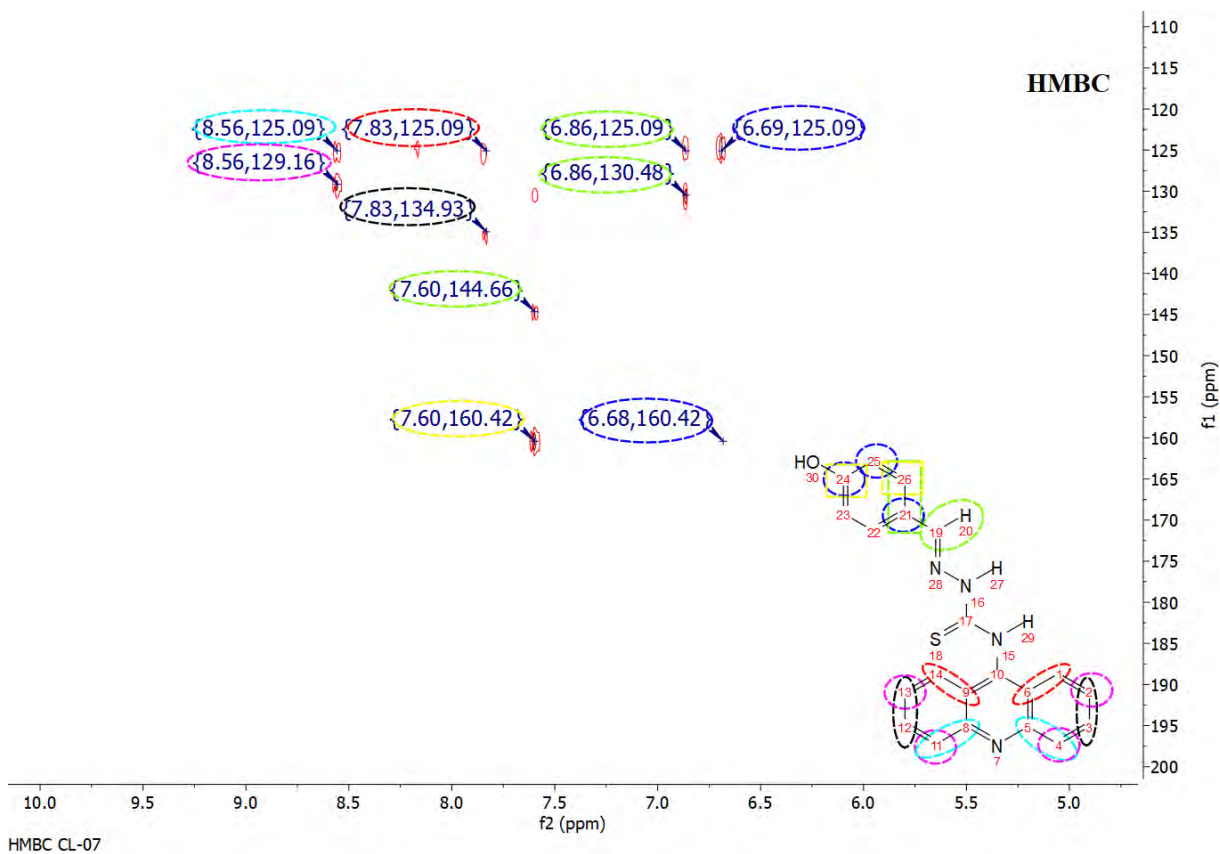


Figura S37. Espectro de correlação HMBC do CL-07.

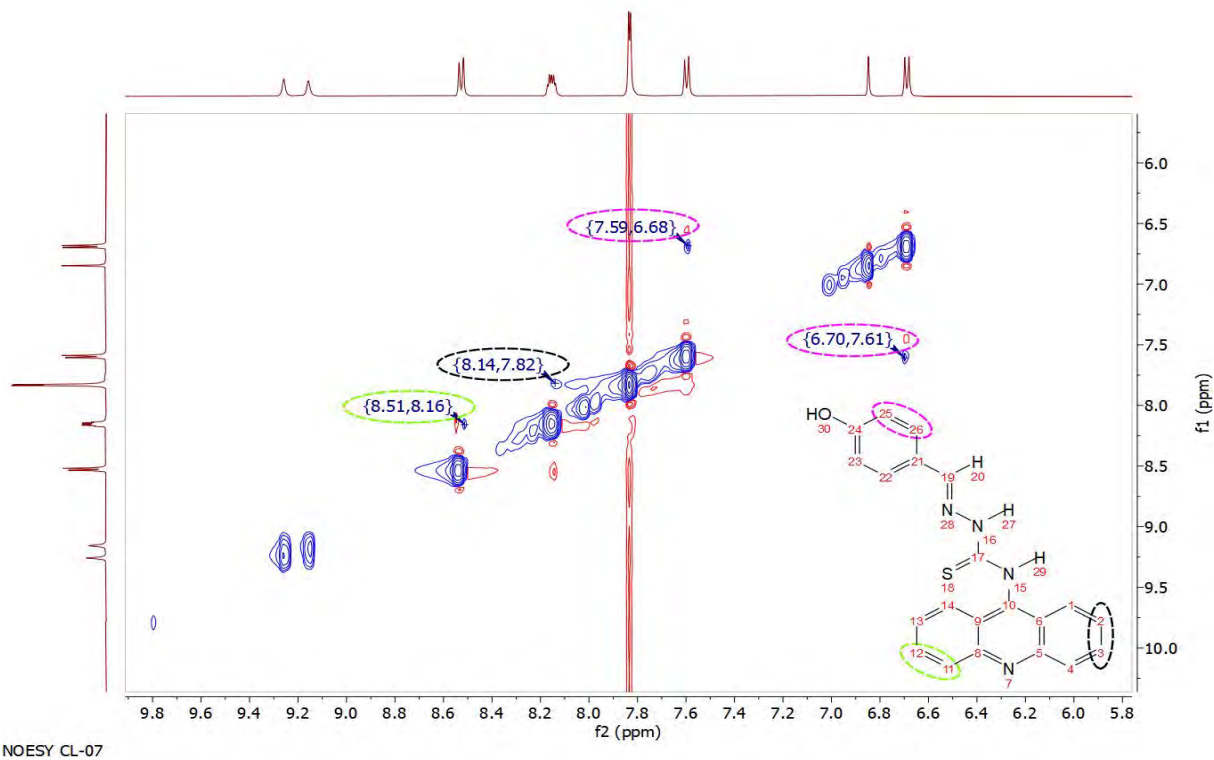


Figura S38. Espectro de correlação NOESY do CL-07.

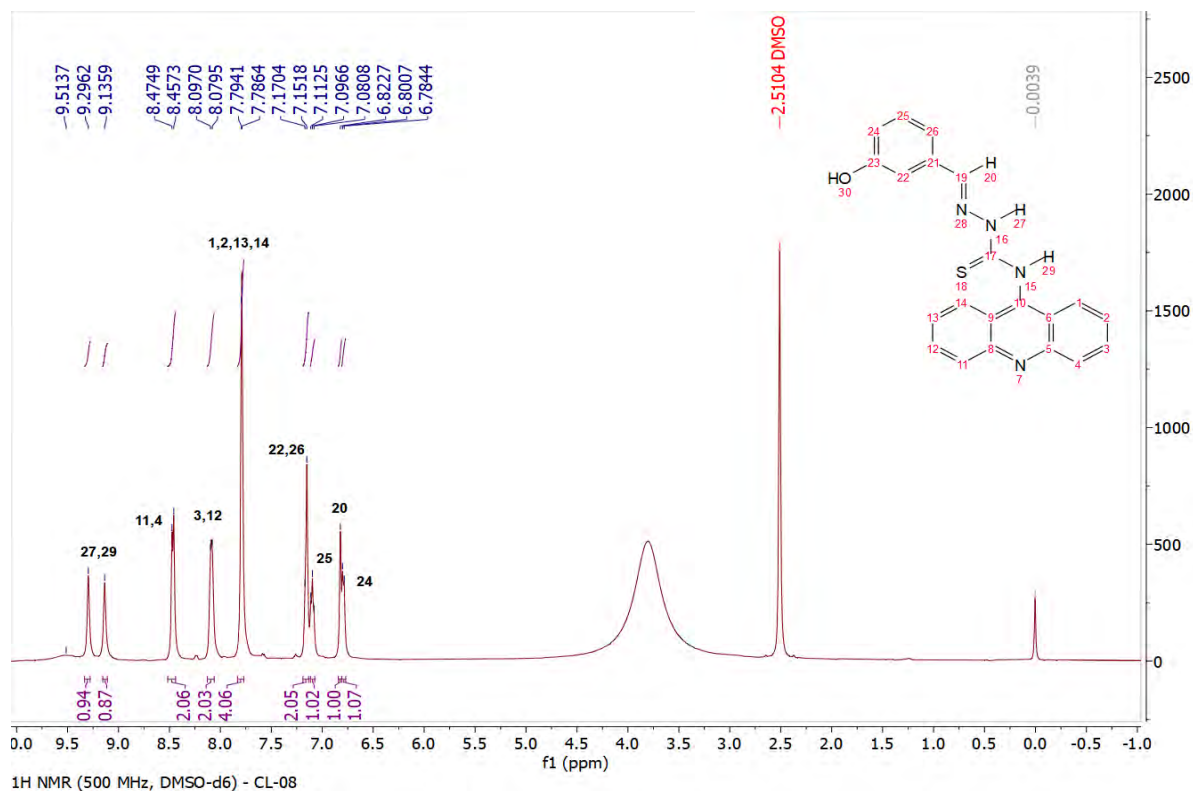


Figura S39. Espectro de RMN  $^1\text{H}$  do CL-08.

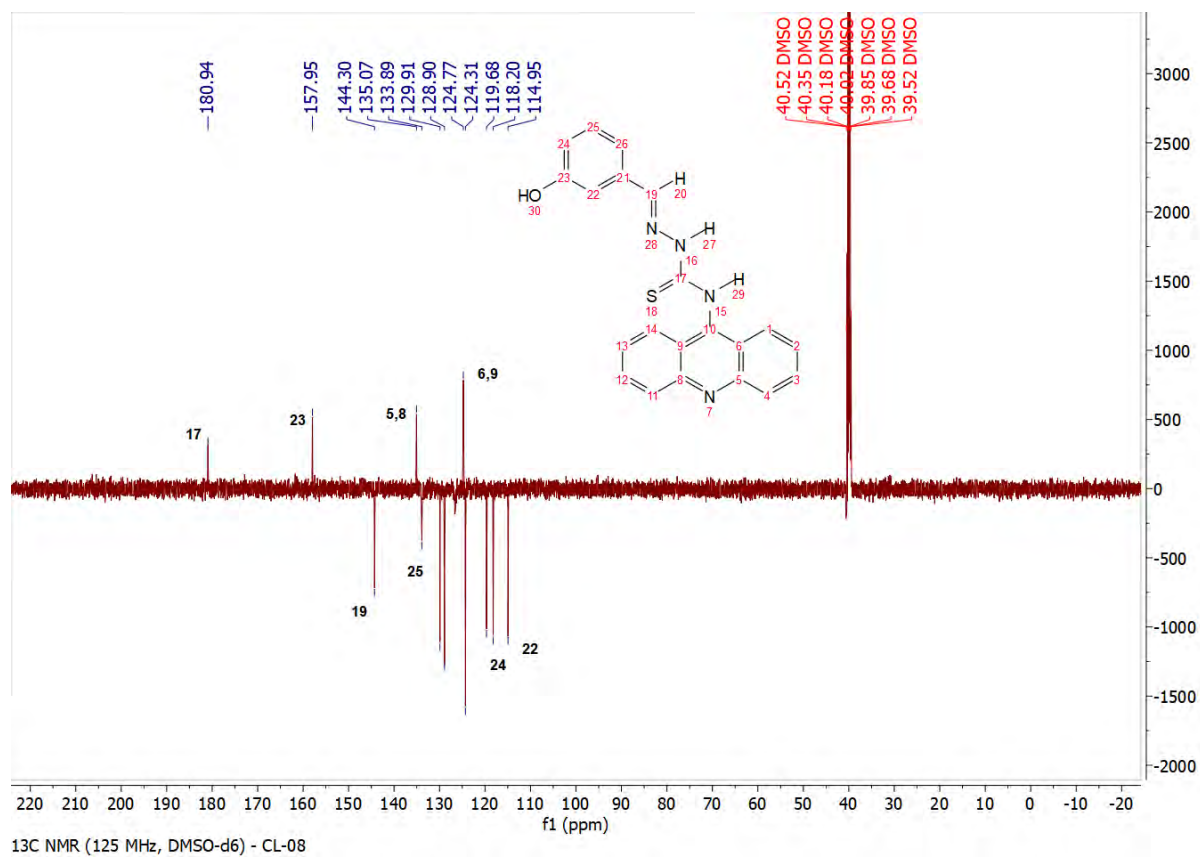


Figura S40. Espectro de RMN  $^{13}\text{C}$  do CL-08.

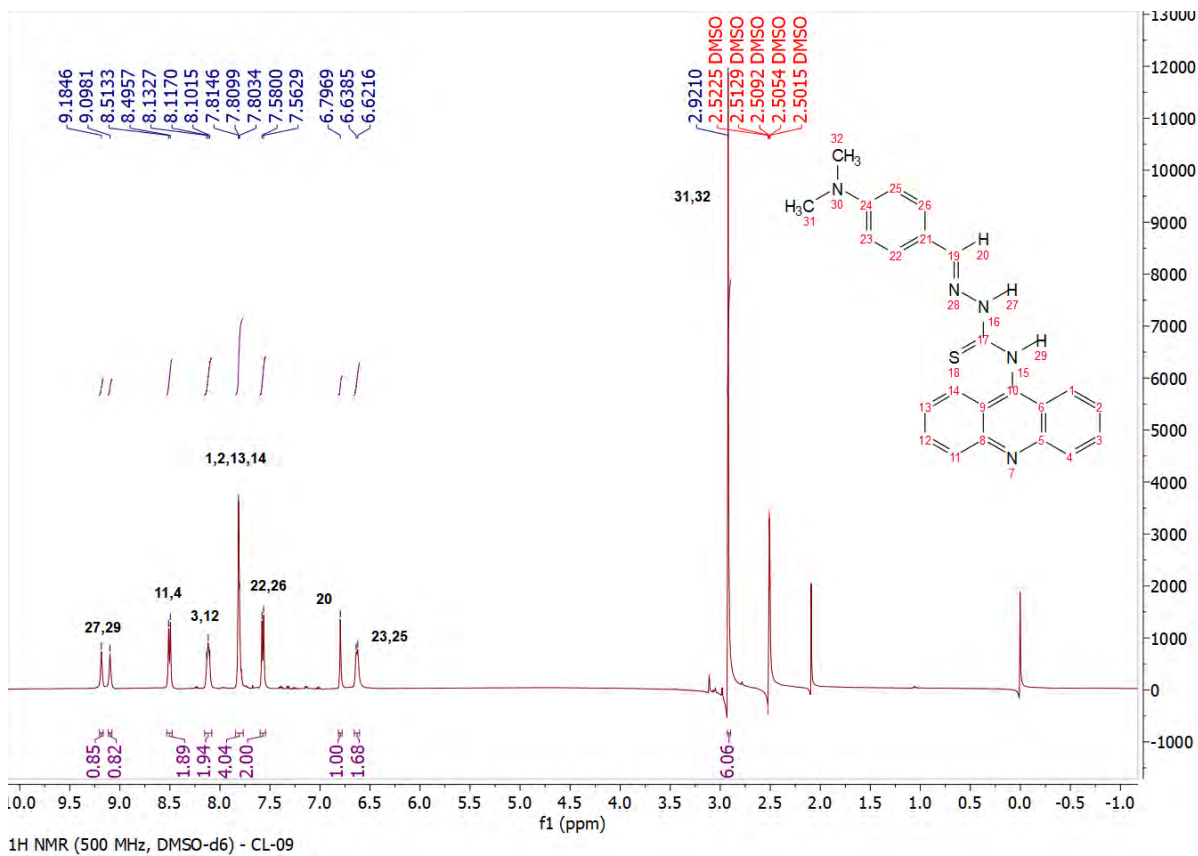


Figura S41. Espectro de RMN <sup>1</sup>H do CL-09.

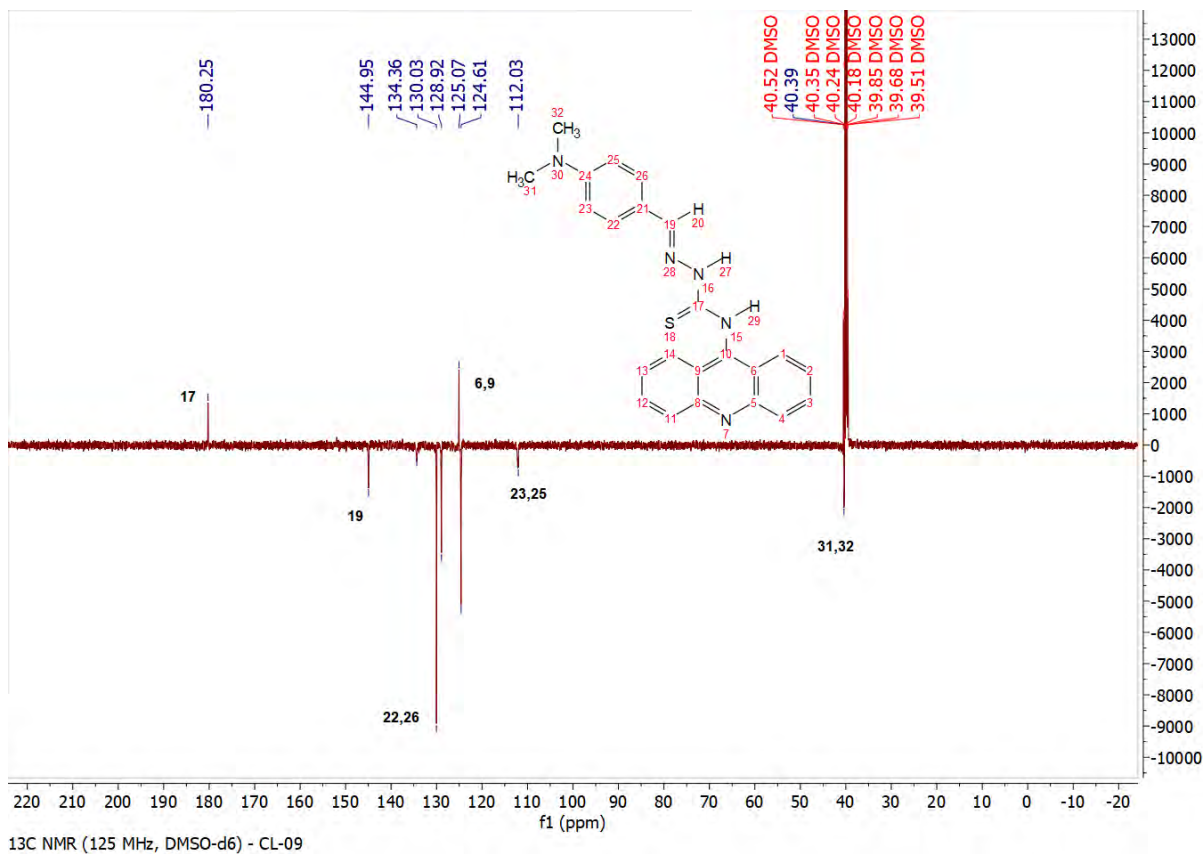


Figura S42. Espectro de RMN <sup>13</sup>C do CL-09.

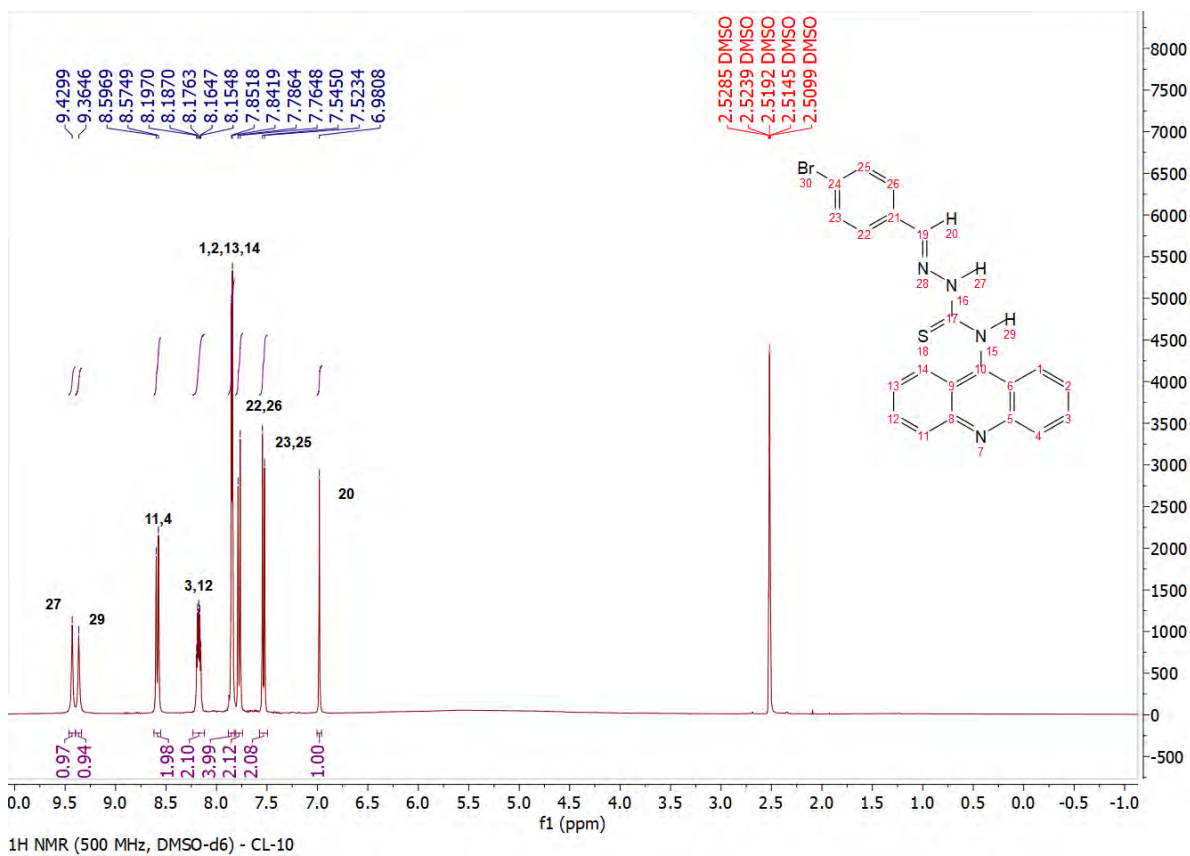


Figura S43. Espectro de RMN <sup>1</sup>H do CL-10.

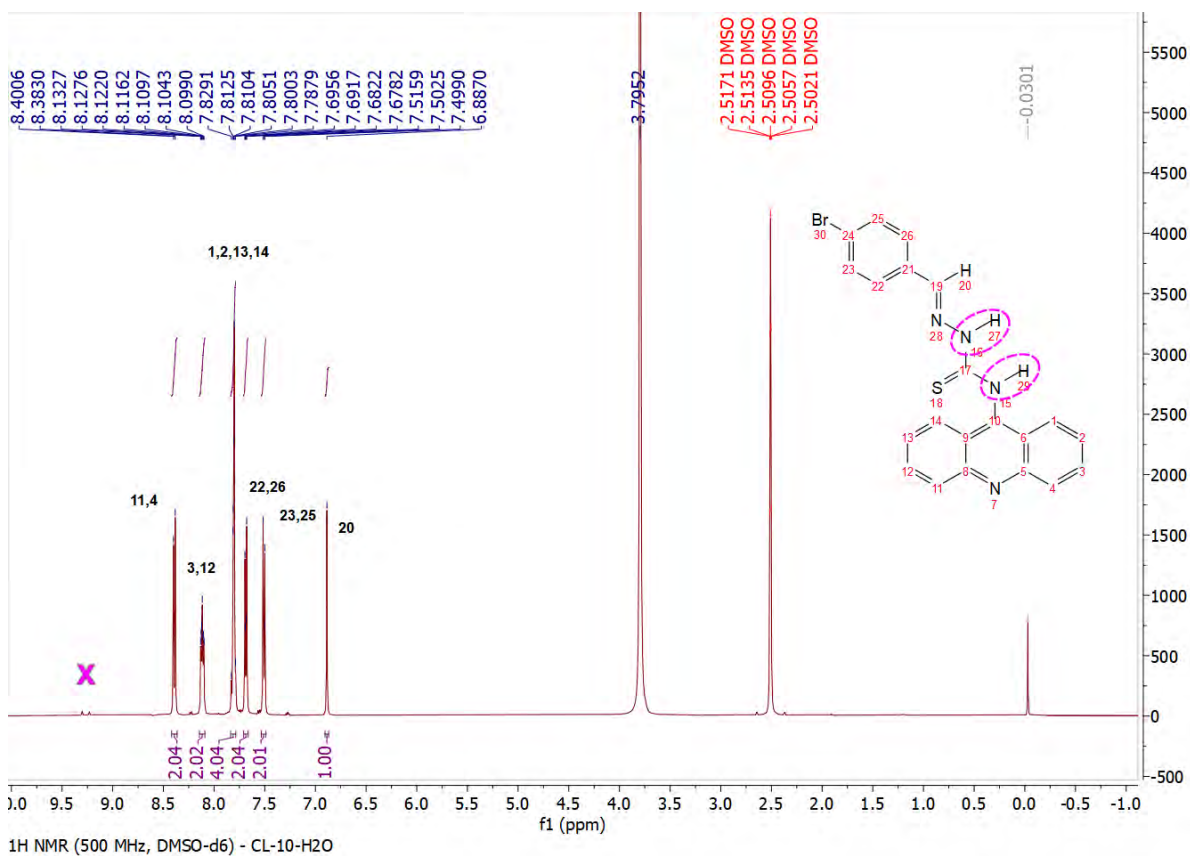


Figura S44. Espectro de RMN <sup>1</sup>H do CL-10 na presença de D<sub>2</sub>O.

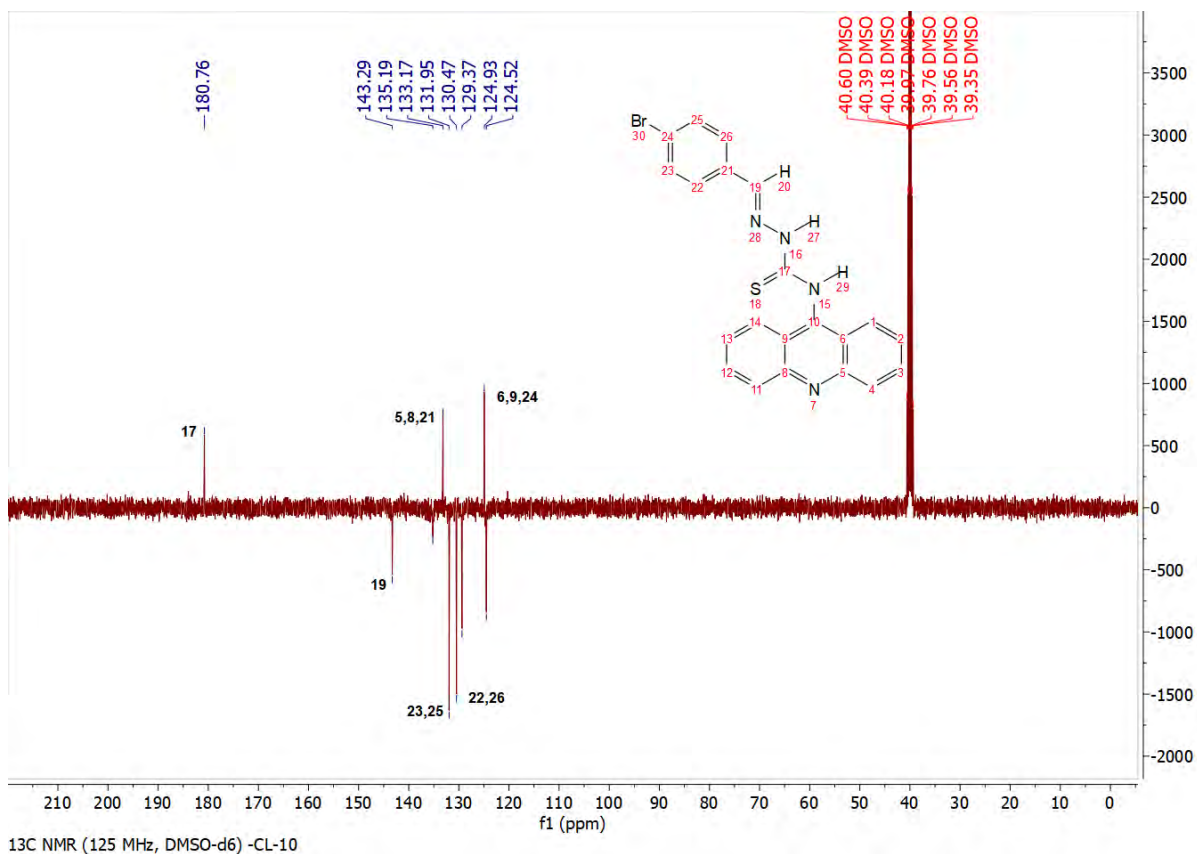


Figura S45. Espectro de RMN  $^{13}\text{C}$  do CL-10.

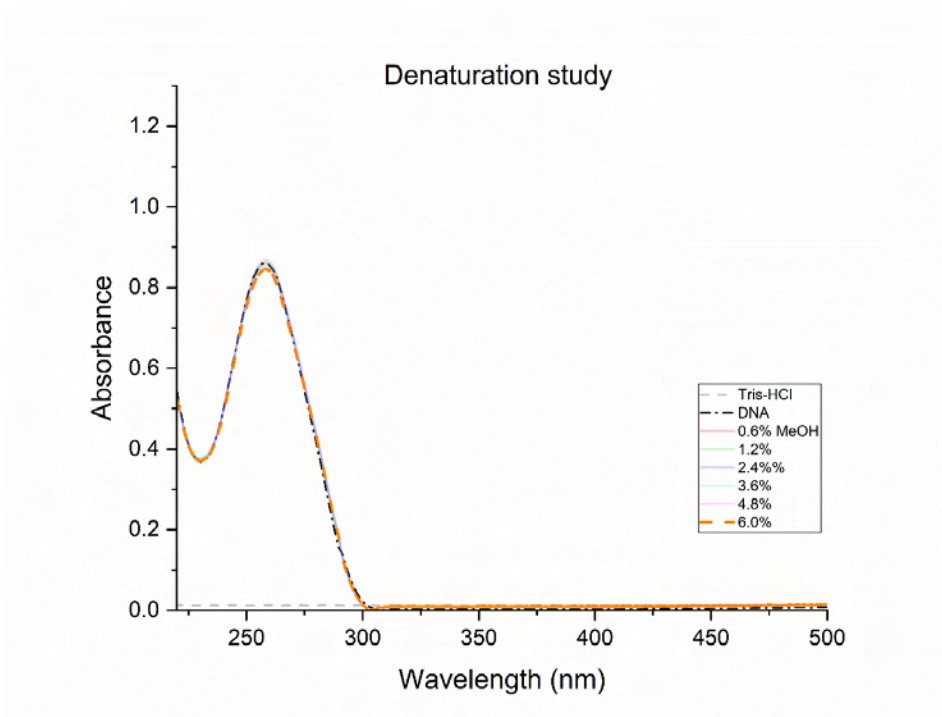
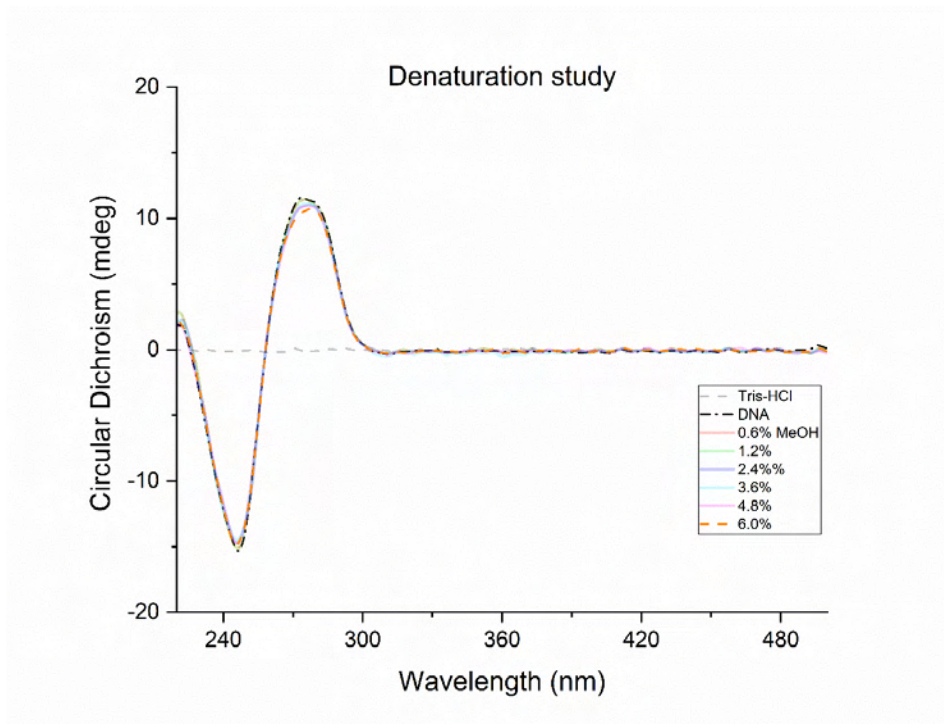
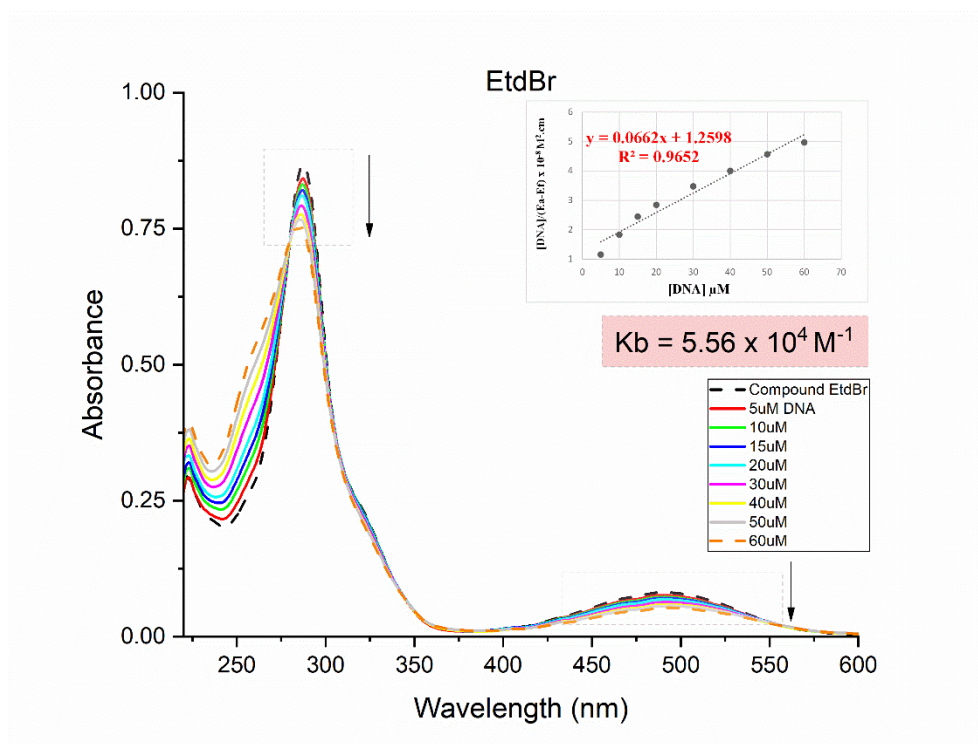


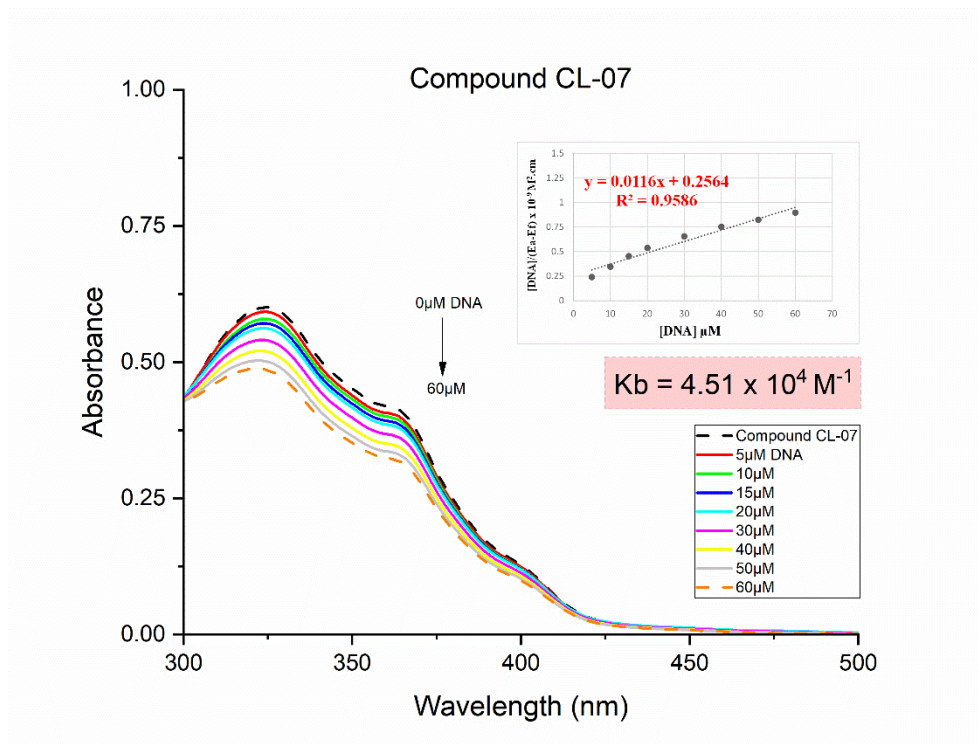
Figura S46. Espectro de absorção do ct-DNA na presença de metanol em diferentes proporções. Metanol = 0, 0.6, 1.2, 2.4, 3.6, 4.8 e 6.0%. ctDNA em uma concentração de  $120 \mu\text{mol L}^{-1}$  em tampão Tris-HCl (pH 7.4).



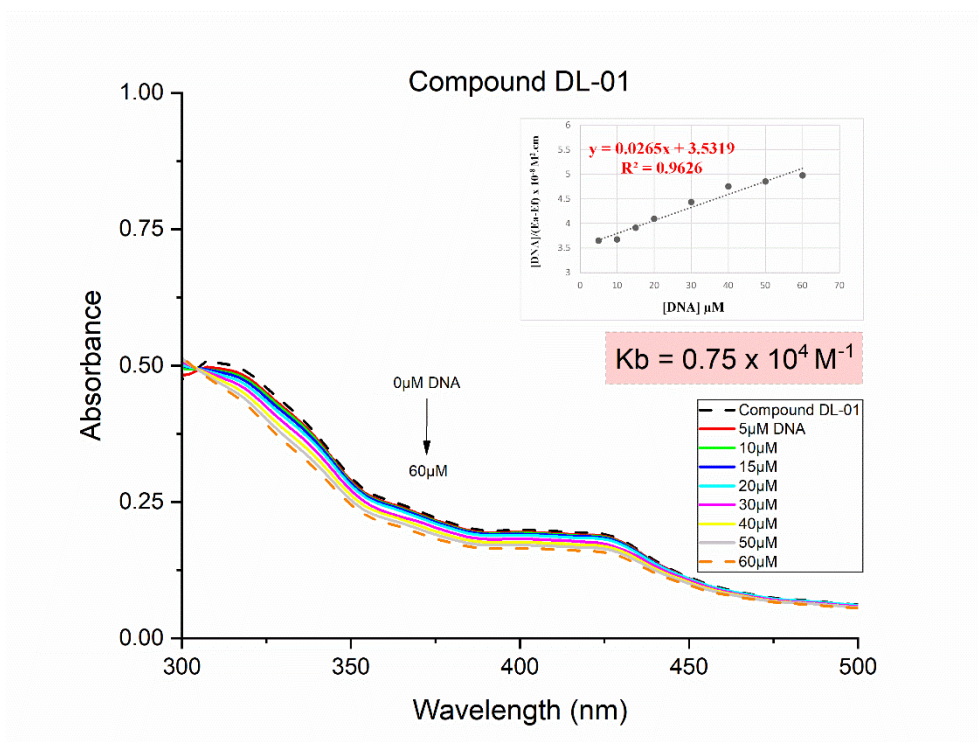
**Figura S47.** Dicroísmo circular do ctDNA ( $120 \mu\text{mol L}^{-1}$ ) em tampão Tris-HCl buffer (pH 7.4), na presença de proporções crescentes de metanol (0 a 6 %).



**Figura S48.** Espectro de absorção do *EtdBr* ( $40 \mu\text{mol L}^{-1}$ ) em tampão Tris-HCl (pH 7.4) na presença de concentrações crescentes de ctDNA (0, 5, 10, 20, 30, 40, 50 e  $60 \mu\text{mol L}^{-1}$ ).  $\lambda$  (Kb) = 489 nm.

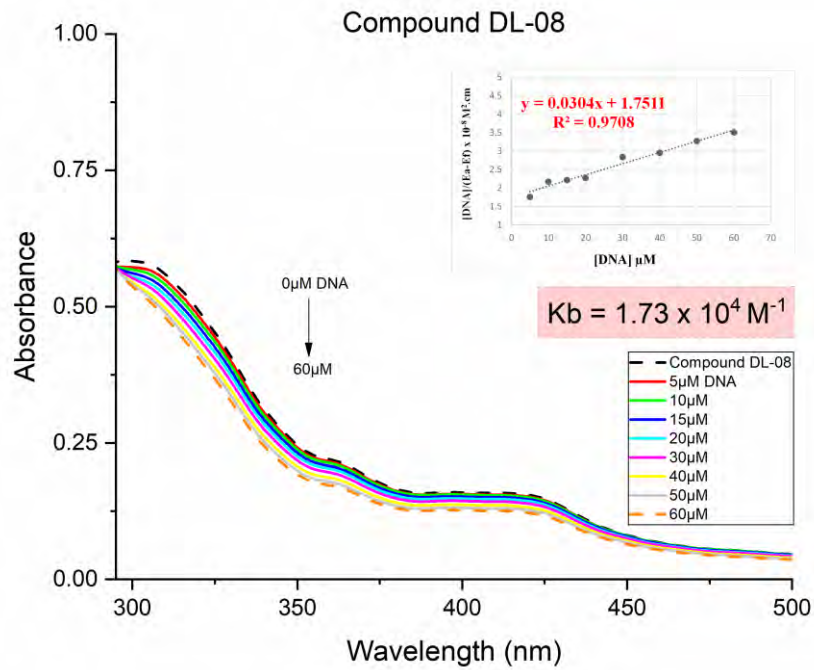


**Figura S49.** Espectro de absorção do *CL-07* ( $40 \mu\text{mol L}^{-1}$ ) em tampão Tris-HCl (pH 7.4) na presença de concentrações crescentes de ctDNA (0, 5, 10, 20, 30, 40, 50 e  $60 \mu\text{mol L}^{-1}$ ).  $\lambda$  (Kb) = 325 nm.

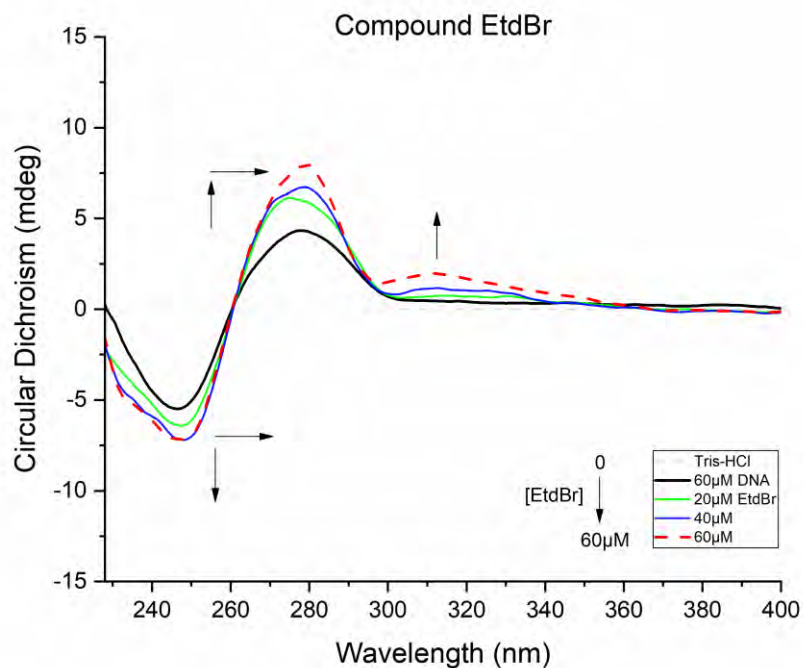


**Figura S50.** Espectro de absorção do *DL-01* ( $40 \mu\text{mol L}^{-1}$ ) em tampão Tris-HCl (pH 7.4) na presença de concentrações crescentes de ctDNA (0, 5, 10, 20, 30, 40, 50 e  $60 \mu\text{mol L}^{-1}$ ).  $\lambda$  (Kb) = 320 nm.

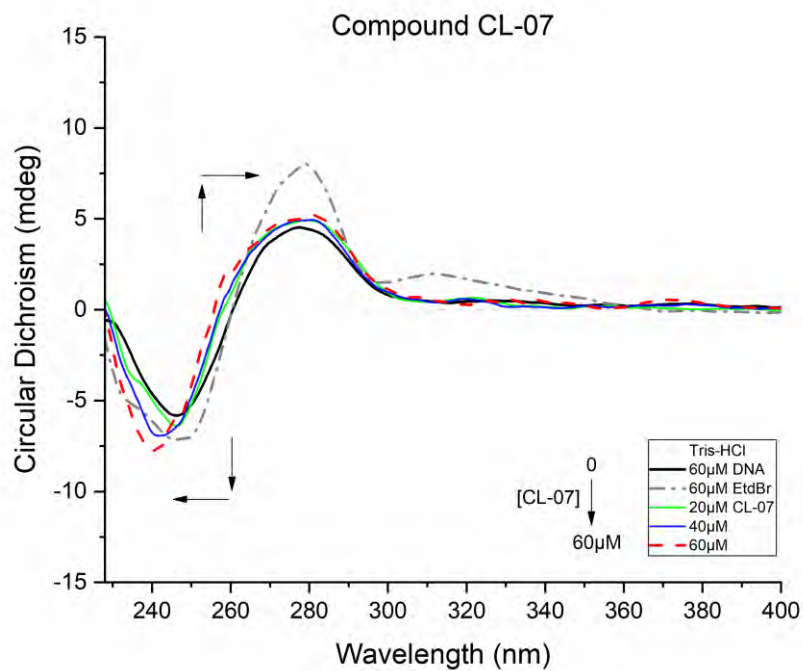




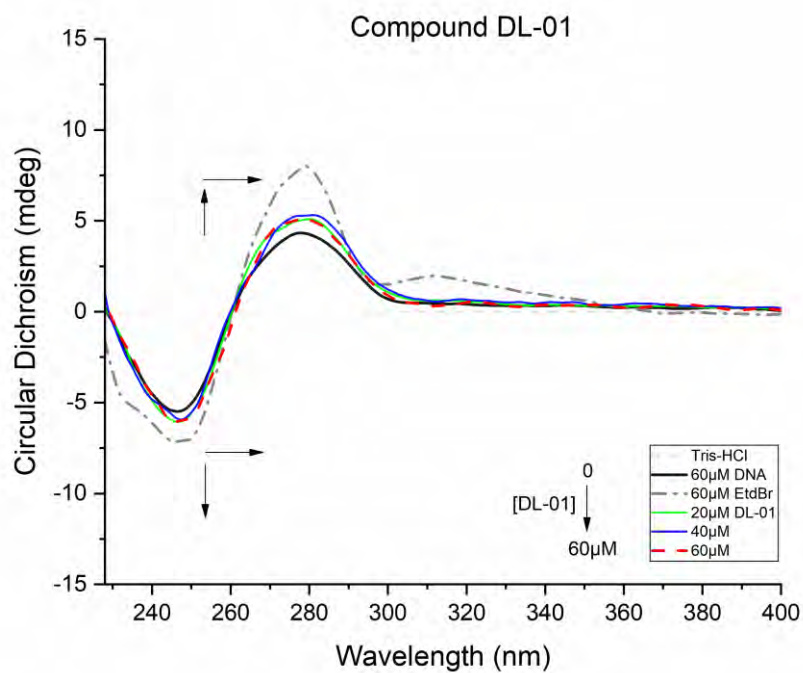
**Figura S51.** Espectro de absorção do *DL-08* ( $40 \mu\text{mol L}^{-1}$ ) em tampão Tris-HCl (pH 7.4) na presença de concentrações crescentes de ctDNA (0, 5, 10, 20, 30, 40, 50 e  $60 \mu\text{mol L}^{-1}$ ).  $\lambda$  (K<sub>b</sub>) = 305 nm.



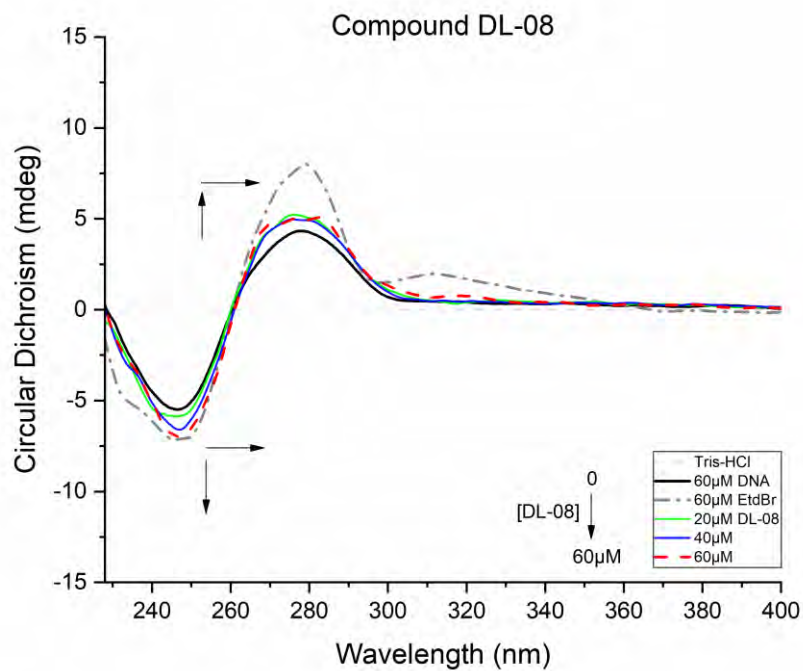
**Figura S52.** Dicroísmo circular do ctDNA ( $60 \mu\text{mol L}^{-1}$ ) em tampão Tris-HCl (pH 7.4), na presença de concentrações crescentes do **EtdBr** (20, 40 and  $60 \mu\text{mol L}^{-1}$ ).



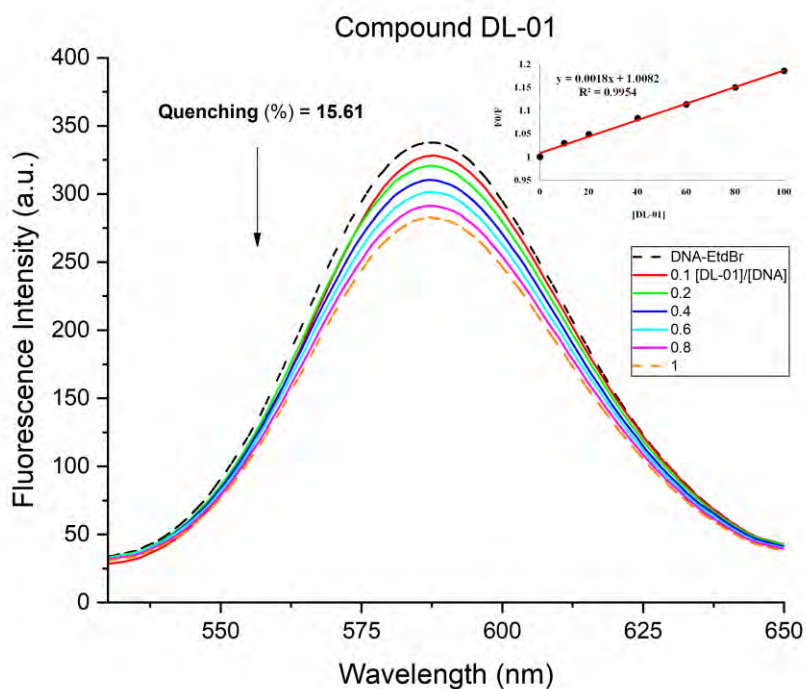
**Figura S53.** Dicroísmo circular do ctDNA ( $60 \mu\text{mol L}^{-1}$ ) em tampão Tris-HCl (pH 7.4), na presença de concentrações crescentes do **CL-07** (20, 40 and  $60 \mu\text{mol L}^{-1}$ ).



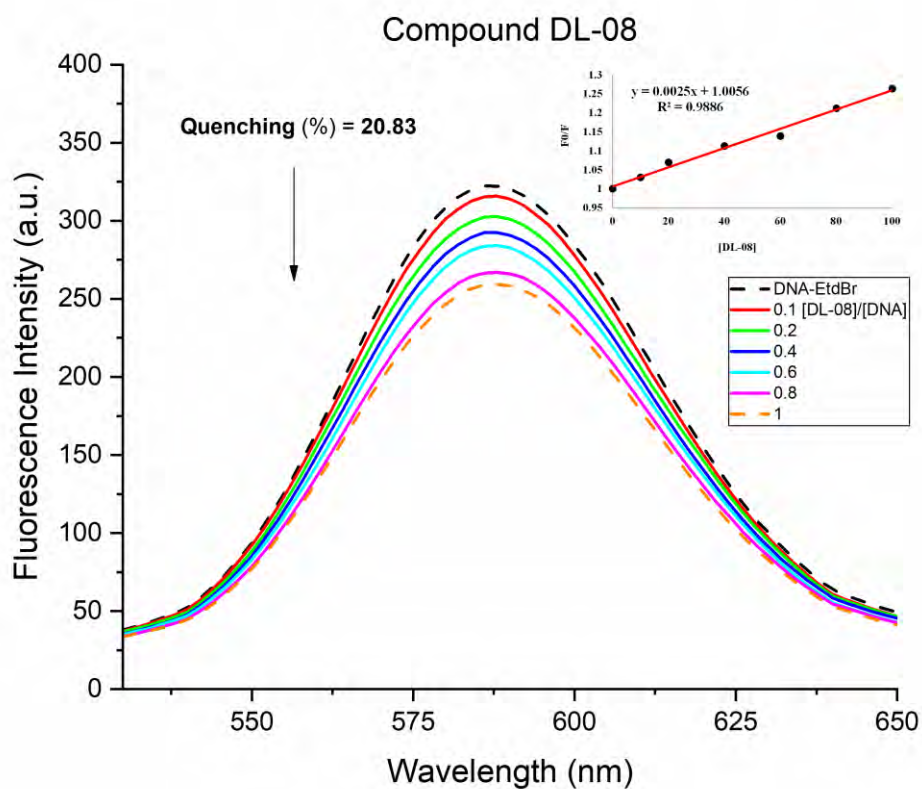
**Figura S54.** Dicroísmo circular do ctDNA ( $60 \mu\text{mol L}^{-1}$ ) em tampão Tris-HCl (pH 7.4), na presença de concentrações crescentes do **DL-01** (20, 40 and  $60 \mu\text{mol L}^{-1}$ ).



**Figura S55.** Dicroísmo circular do ctDNA ( $60 \mu\text{mol L}^{-1}$ ) em tampão Tris-HCl (pH 7.4), na presença de concentrações crescentes do **DL-08** ( $20, 40$  and  $60 \mu\text{mol L}^{-1}$ ).



**Figura S56.** Curvas de extinção da emissão de fluorescência EtdBr-ctDNA pelo composto **DL-01** ( $[\text{EtBr}] = 20 \mu\text{mol L}^{-1}$ ,  $[\text{ctDNA}] = 100 \mu\text{mol L}^{-1}$ ,  $[\text{DL-01}] = 0 - 100 \mu\text{mol L}^{-1}$ ).



**Figura S57.** Curvas de extinção da emissão de fluorescência EtdBr-ctDNA pelo composto **DL-08** ([EtBr] = 20  $\mu\text{mol L}^{-1}$ , [ctDNA] = 100  $\mu\text{mol L}^{-1}$ , [DL-01] = 0 – 100  $\mu\text{mol L}^{-1}$ ).

**Tabela S1.** Efeitos de derivados de acridinas em animais submetidos a estudo de toxicidade aguda.

Estudo de toxicidade	DA/TA	Mortalidade (%)	Sinais de toxicidade
CL-07	0/3	0	Nenhum
DL-01	0/3	0	Consumo de ração reduzido
DL-08	0/3	0	Esteatose hepática
NC	0/3	0	Nenhum

Grupo controle (NC), animais mortos (DA), total de animais (TA).

**Tabela S2.** Massa absoluta e relativa de órgãos de animais tratados com derivados de acridina após um estudo de toxicidade aguda.

Compostos	Órgãos				
	Fígado (g)	Pulmão (g)	Baço (g)	Coração (g)	Rins (g)
CL-07	6,135±0,287 <sup>a</sup>	0,619±0,089 <sup>b</sup>	0,574±0,061 <sup>c</sup>	0,417±0,038 <sup>d</sup>	1,308±0,099 <sup>e</sup>
DL-01	5,257±0,610 <sup>a</sup>	0,640±0,057 <sup>b</sup>	0,551±0,037 <sup>c</sup>	0,410±0,039 <sup>d</sup>	1,338±0,091 <sup>e</sup>
DL-08	5,619±0,259 <sup>a</sup>	0,646±0,032 <sup>b</sup>	0,412±0,033 <sup>c</sup>	0,427±0,035 <sup>d</sup>	1,355±0,062 <sup>e</sup>
NC	4,959±0,191 <sup>a</sup>	0,628±0,027 <sup>b</sup>	0,408±0,037 <sup>c</sup>	0,409±0,040 <sup>d</sup>	1,284±0,040 <sup>e</sup>

Grupo controle (NC). Na mesma categoria e tratamento, as médias seguidas de letras desiguais, diferem estatisticamente entre si pelo teste *T de Student* ( $p < 0.05$ ), em relação aos grupos tratado e controle.

**Tabela S3.** Massa relativa aos animais tratados com derivados de acridina após um estudo de toxicidade aguda.

Compostos	Dados fisiológicos		
	Consumo de ração (g)	Consumo de água (mL)	Ganho de peso (g)
CL-07	14,57±1,78 <sup>a</sup>	23,57±1,34 <sup>c</sup>	1,33±0,27 <sup>e</sup>
DL-01	12,35±1,39 <sup>b</sup>	23,71±1,26 <sup>c</sup>	0,69±0,58 <sup>f</sup>
DL-08	15,21±0,97 <sup>a</sup>	25,28±0,46 <sup>d</sup>	0,76±0,43 <sup>f</sup>
NC	18,64±3,52 <sup>a</sup>	23,14±1,51 <sup>c</sup>	1,00±0 <sup>f</sup>

Grupo controle (NC). Na mesma categoria e tratamento, as médias seguidas de letras desiguais, diferem estatisticamente entre si pelo teste *T de Student* ( $p < 0.05$ ), em relação aos grupos tratado e controle.

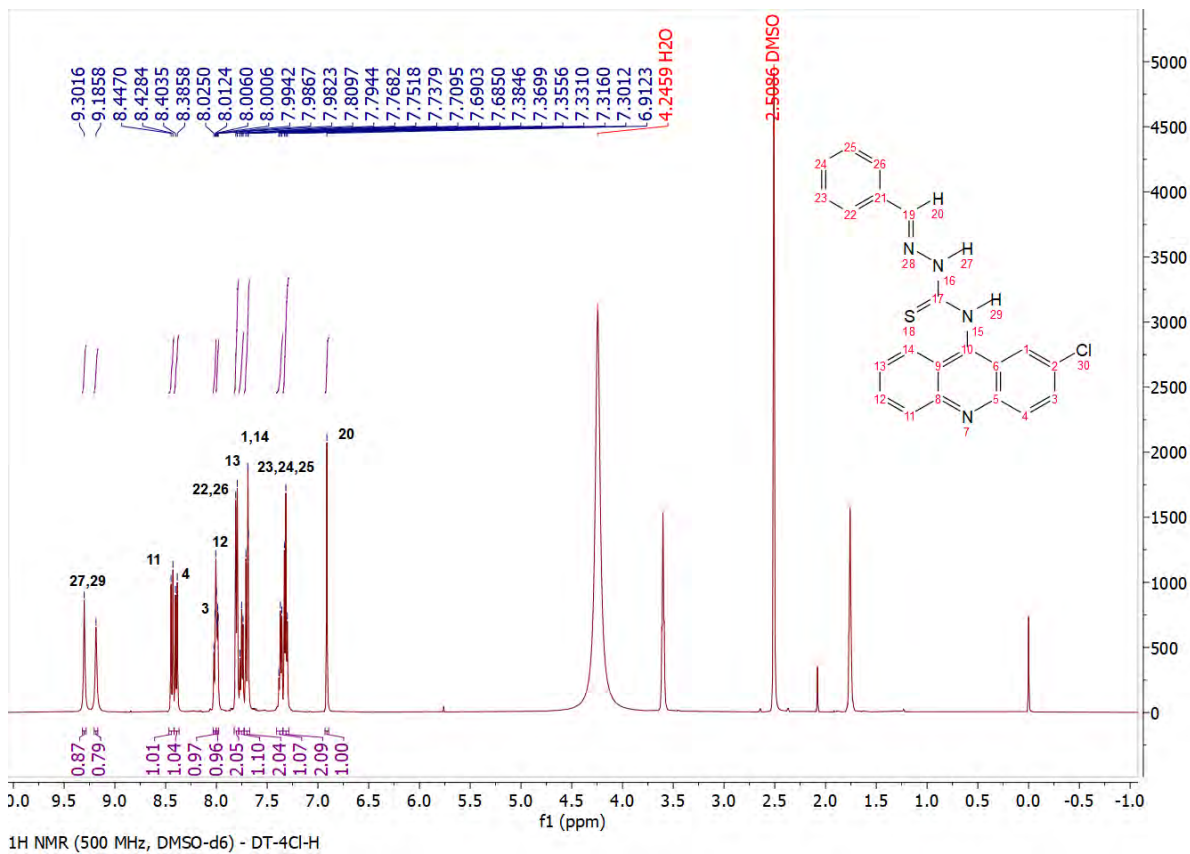


Figura S58. Espectro de RMN <sup>1</sup>H do DT-4Cl-H.

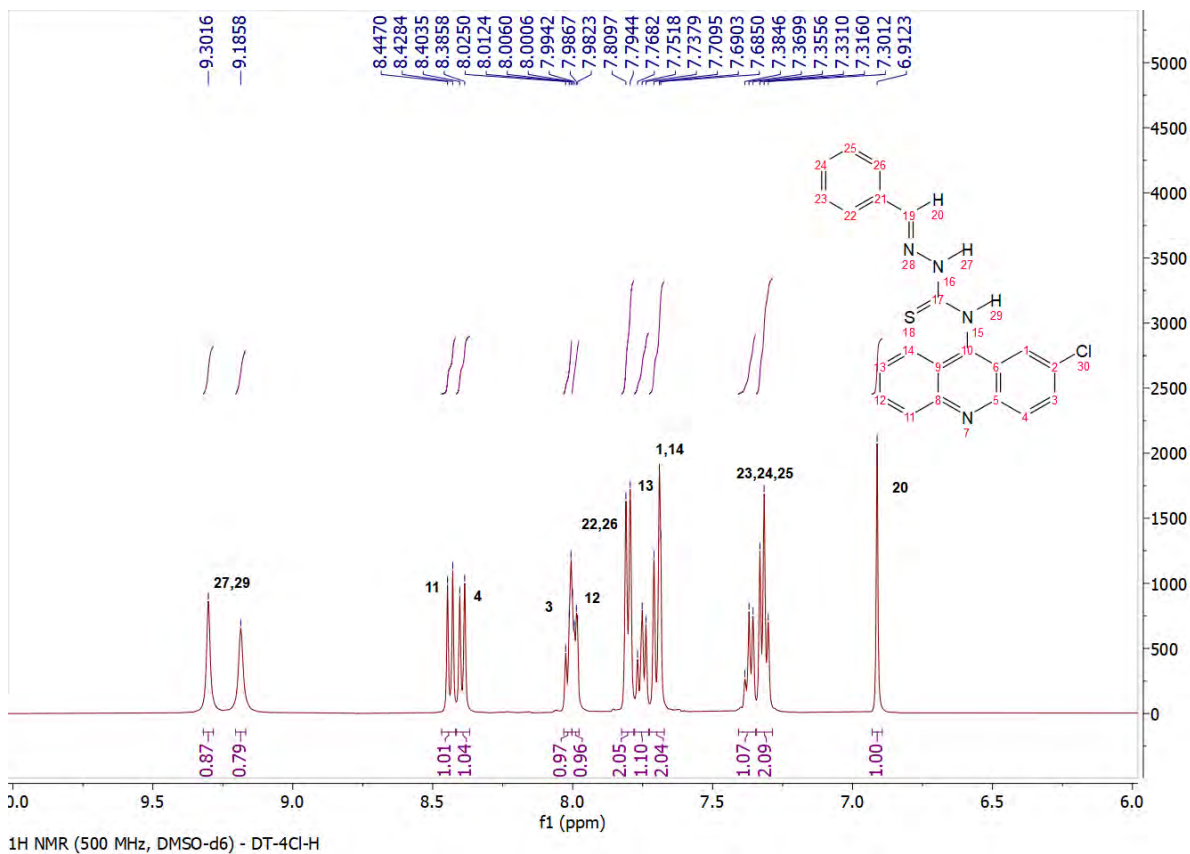


Figura S59. Expansão do espectro de RMN <sup>1</sup>H do DT-4Cl-H.

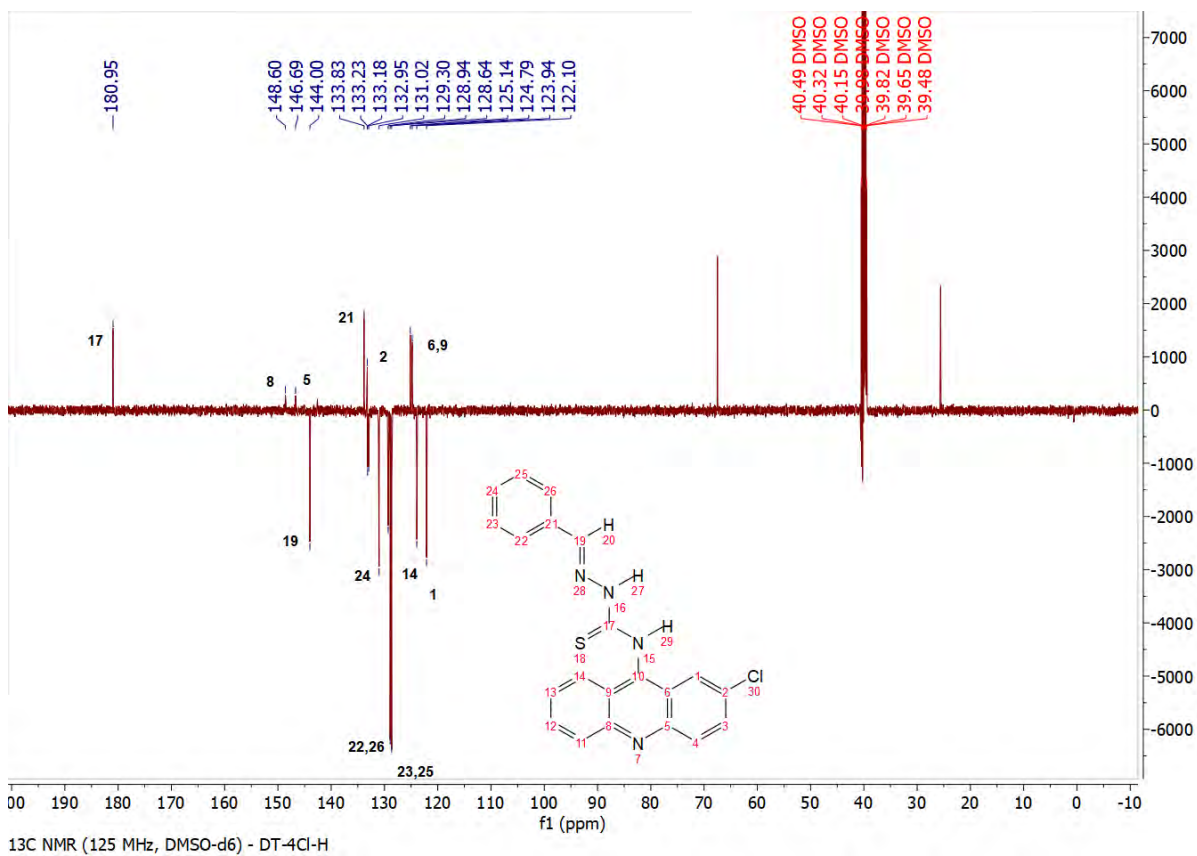


Figura S60. Espectro de RMN <sup>13</sup>C do DT-4Cl-H.

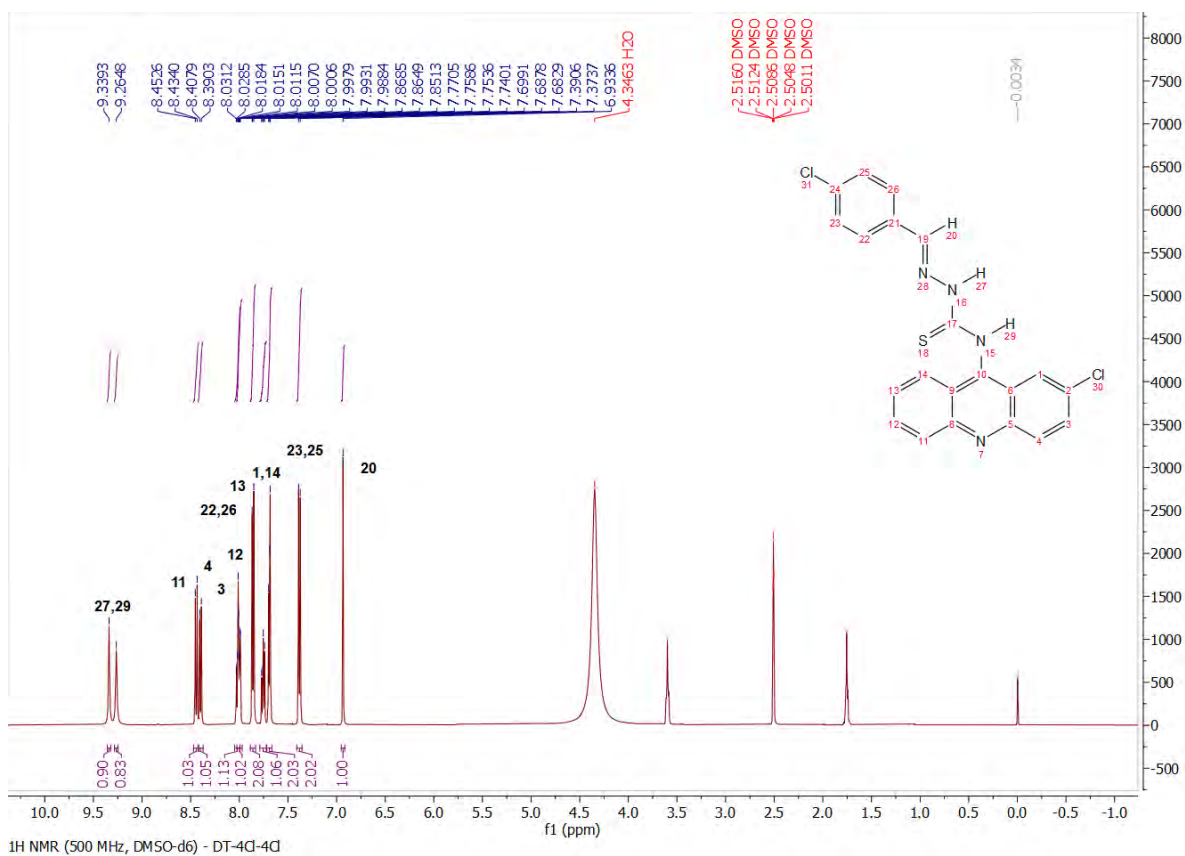


Figura S61. Espectro de RMN <sup>1</sup>H do DT-4Cl-4Cl.

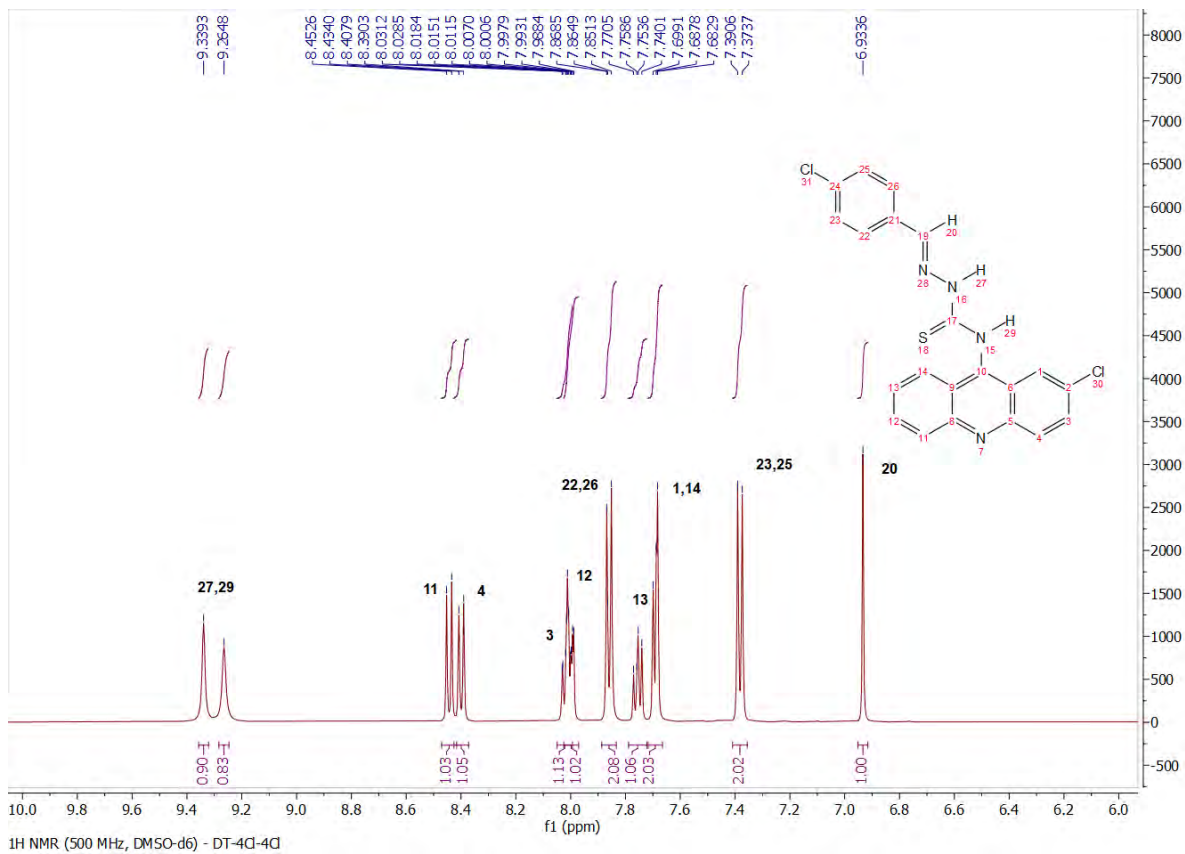


Figura S62. Expansão do espectro de RMN <sup>1</sup>H do DT-4Cl-4Cl.

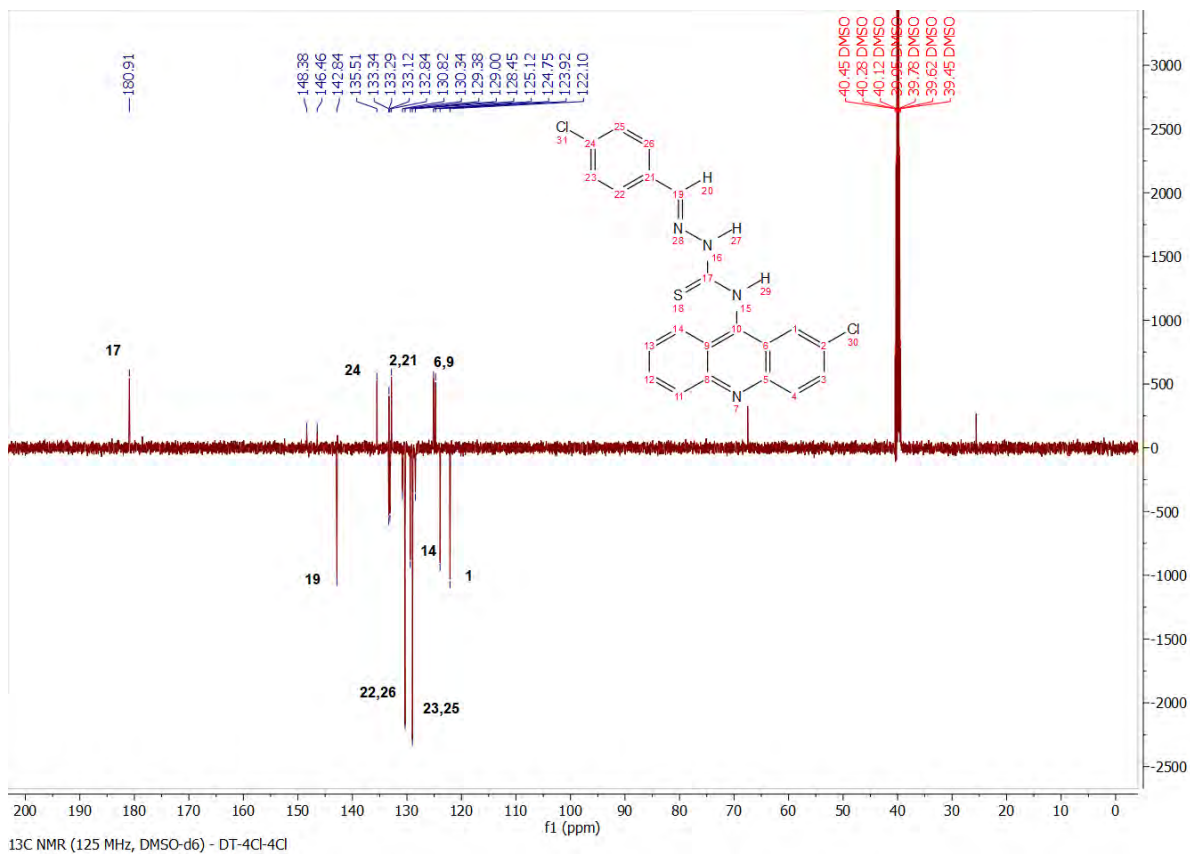


Figura S63. Espectro de RMN <sup>13</sup>C do DT-4Cl-4Cl.



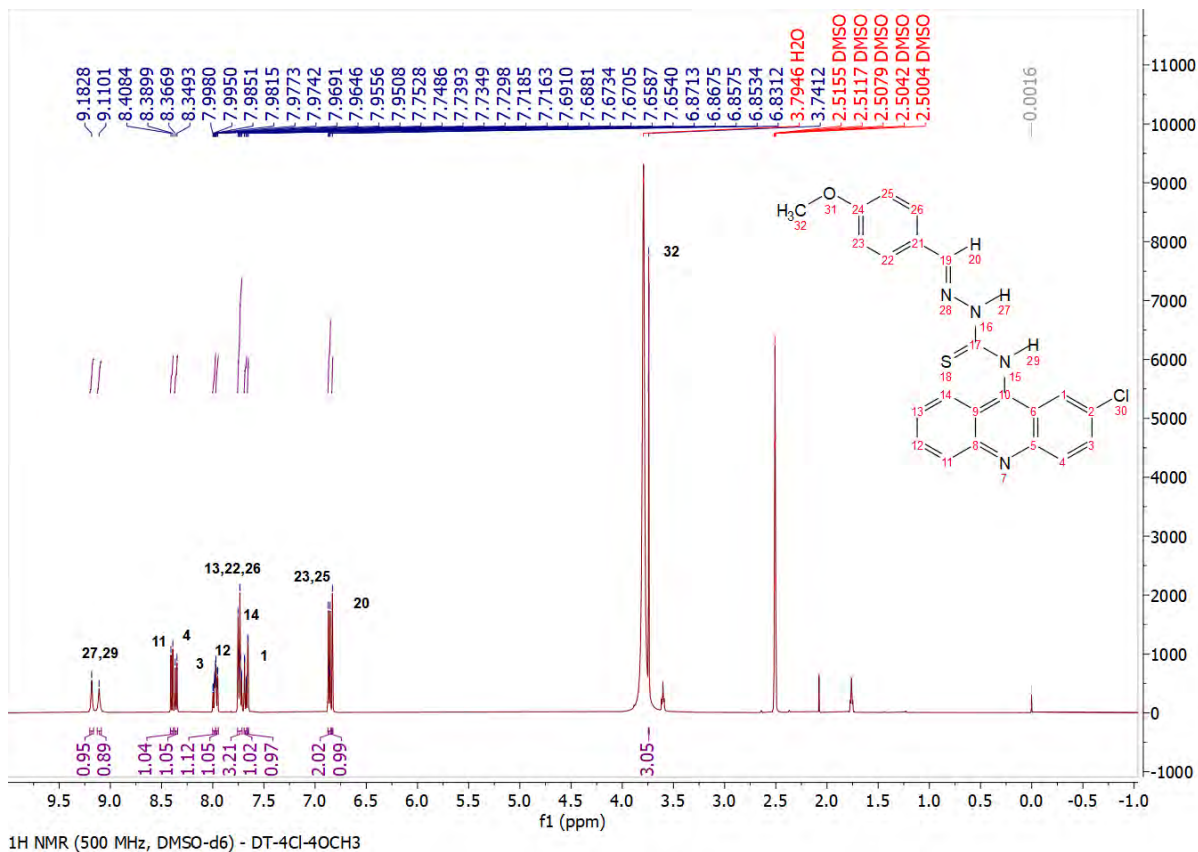


Figura S64. Espectro de RMN <sup>1</sup>H do DT-4Cl-4OCH<sub>3</sub>.

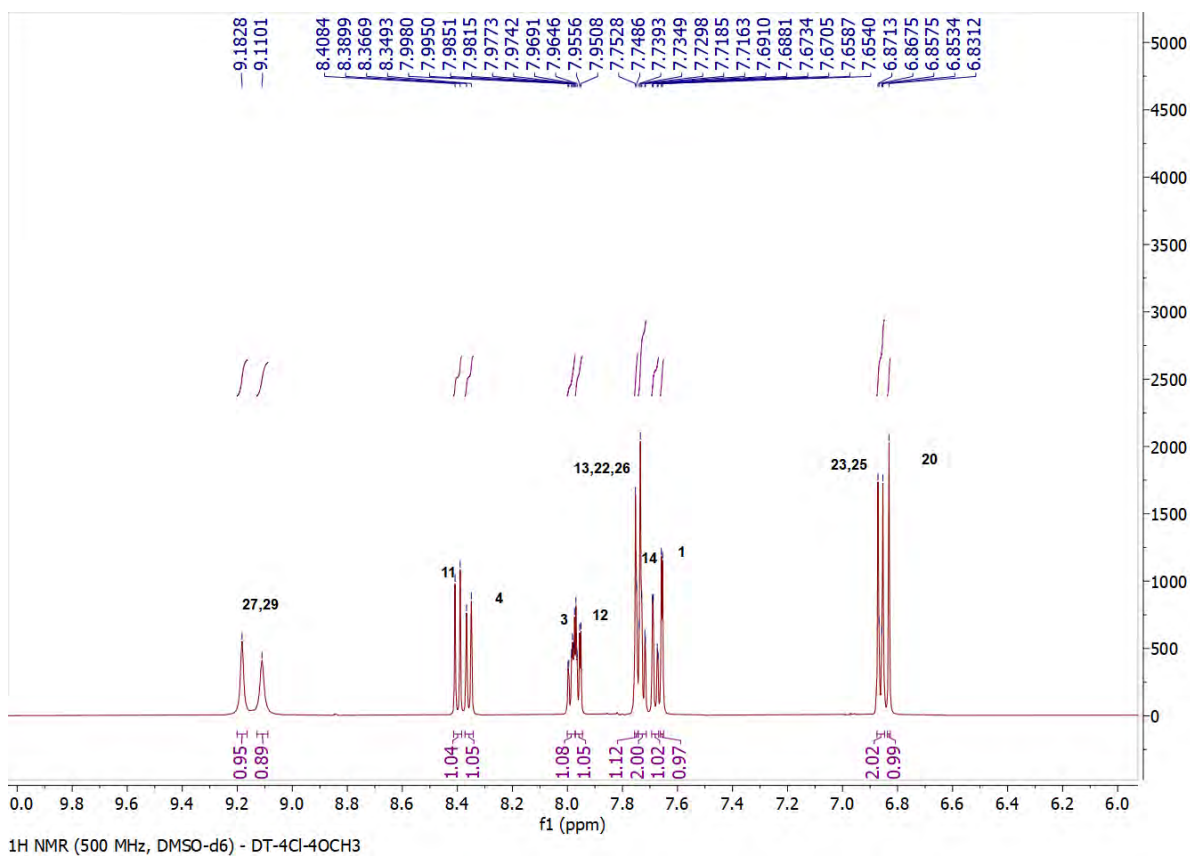


Figura S65. Expansão do espectro de RMN <sup>1</sup>H do DT-4Cl-4OCH<sub>3</sub>.

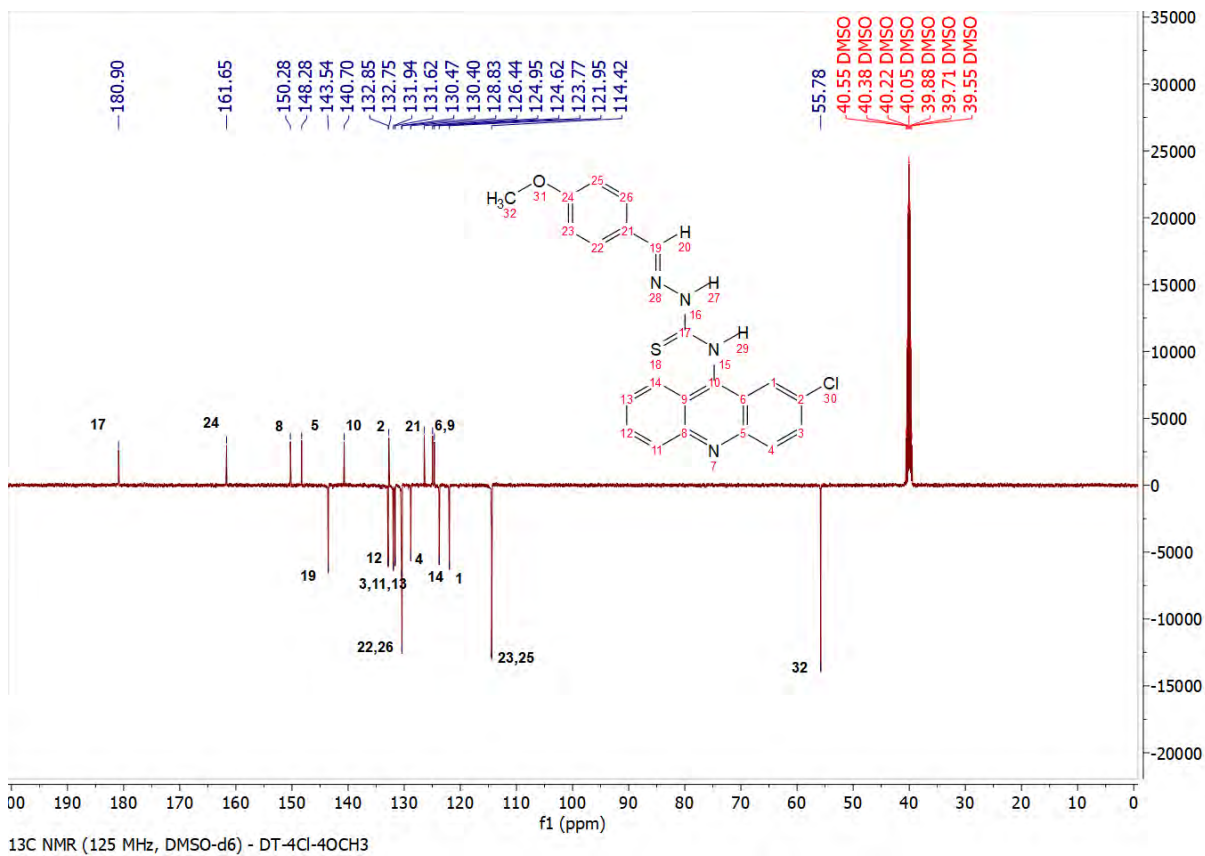


Figura S66. Espectro de RMN  $^{13}\text{C}$  do DT-4Cl-4OCH $_3$ .

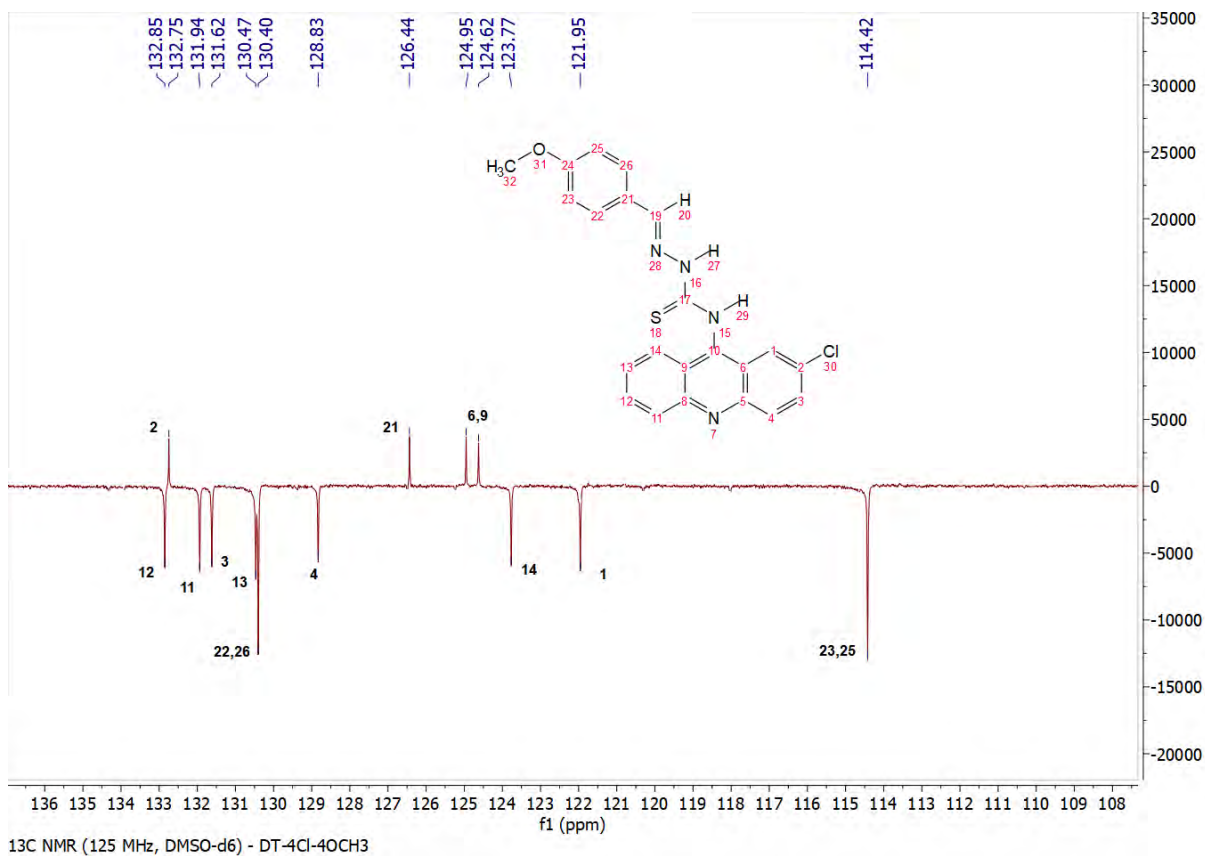
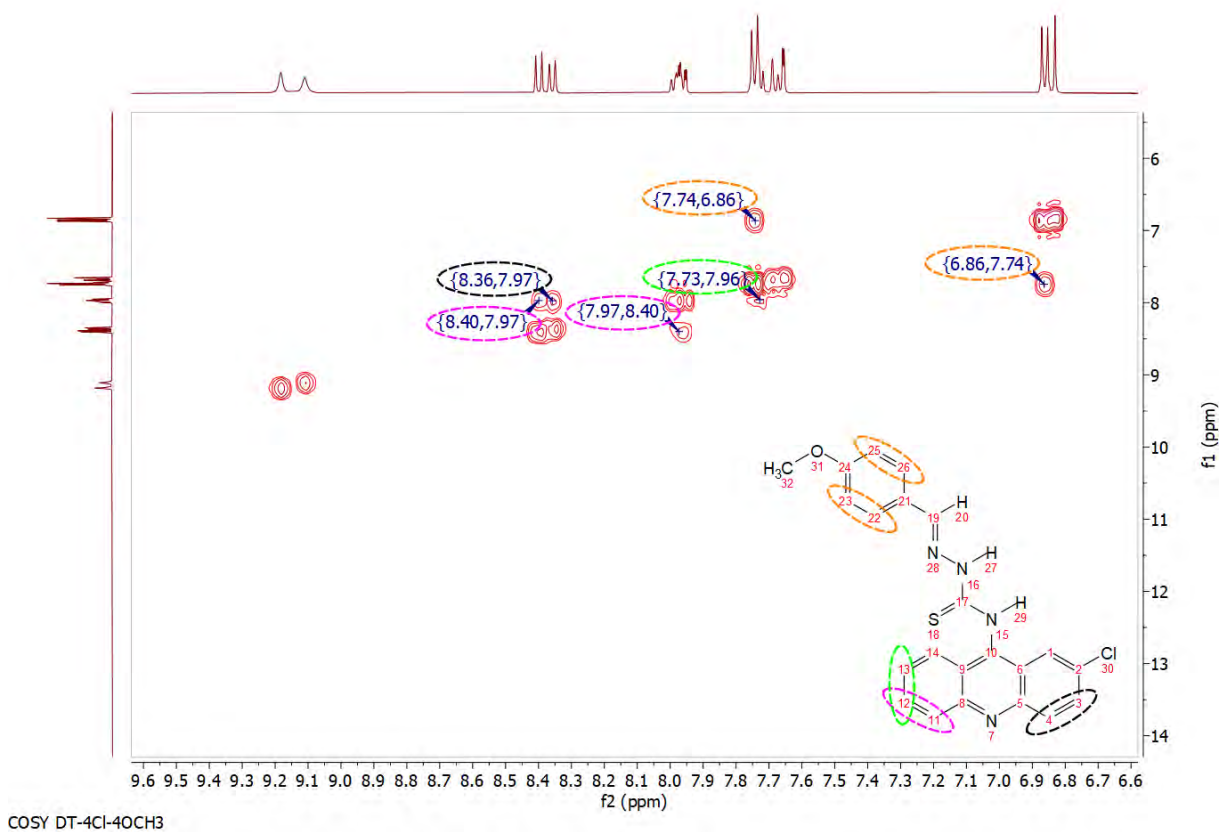
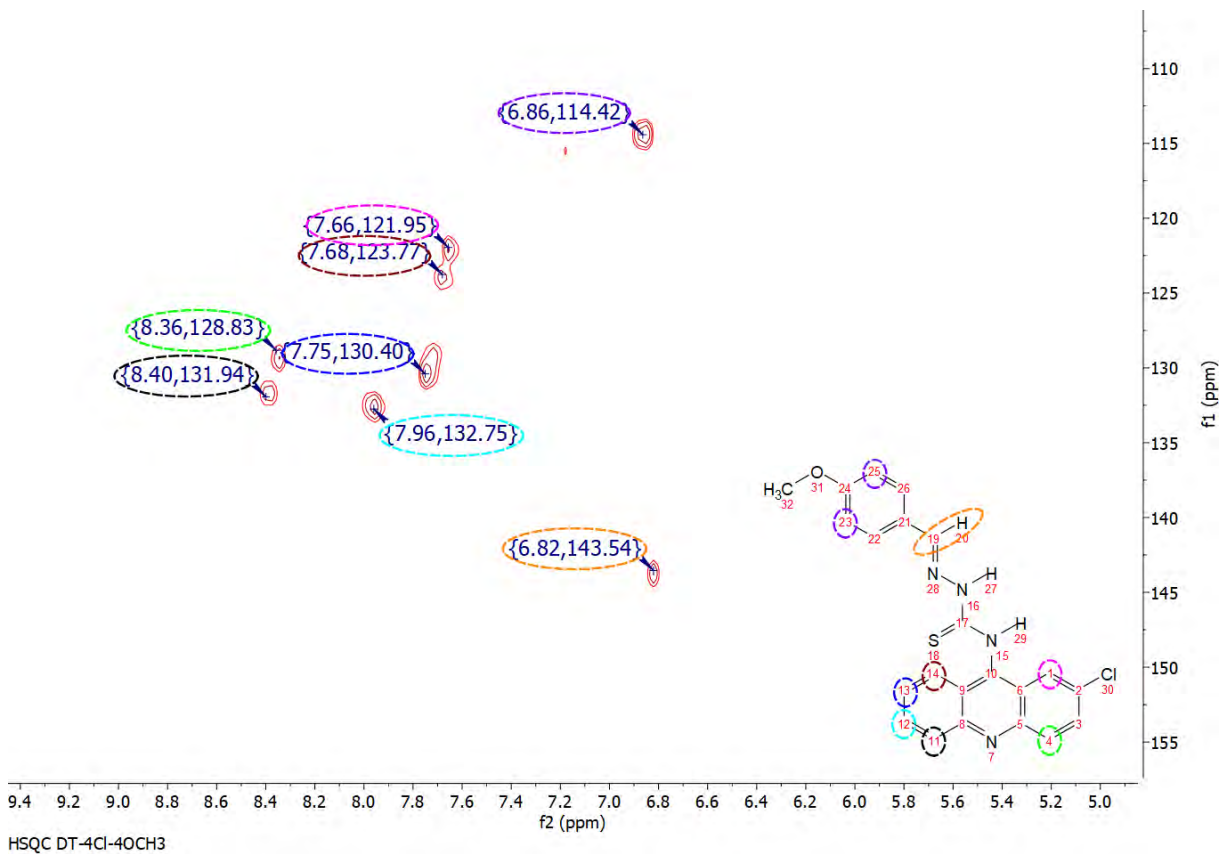


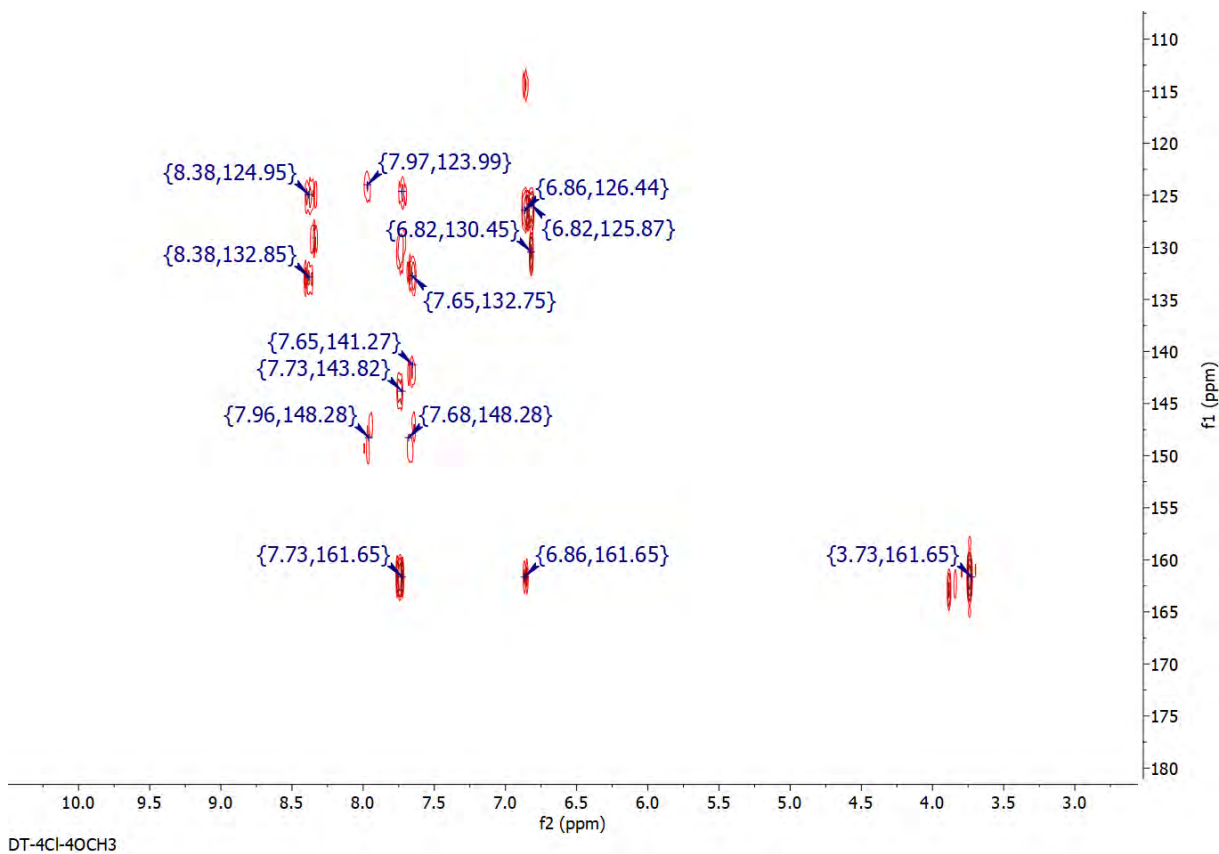
Figura S67. Expansão do espectro de RMN  $^{13}\text{C}$  do DT-4Cl-4OCH $_3$ .



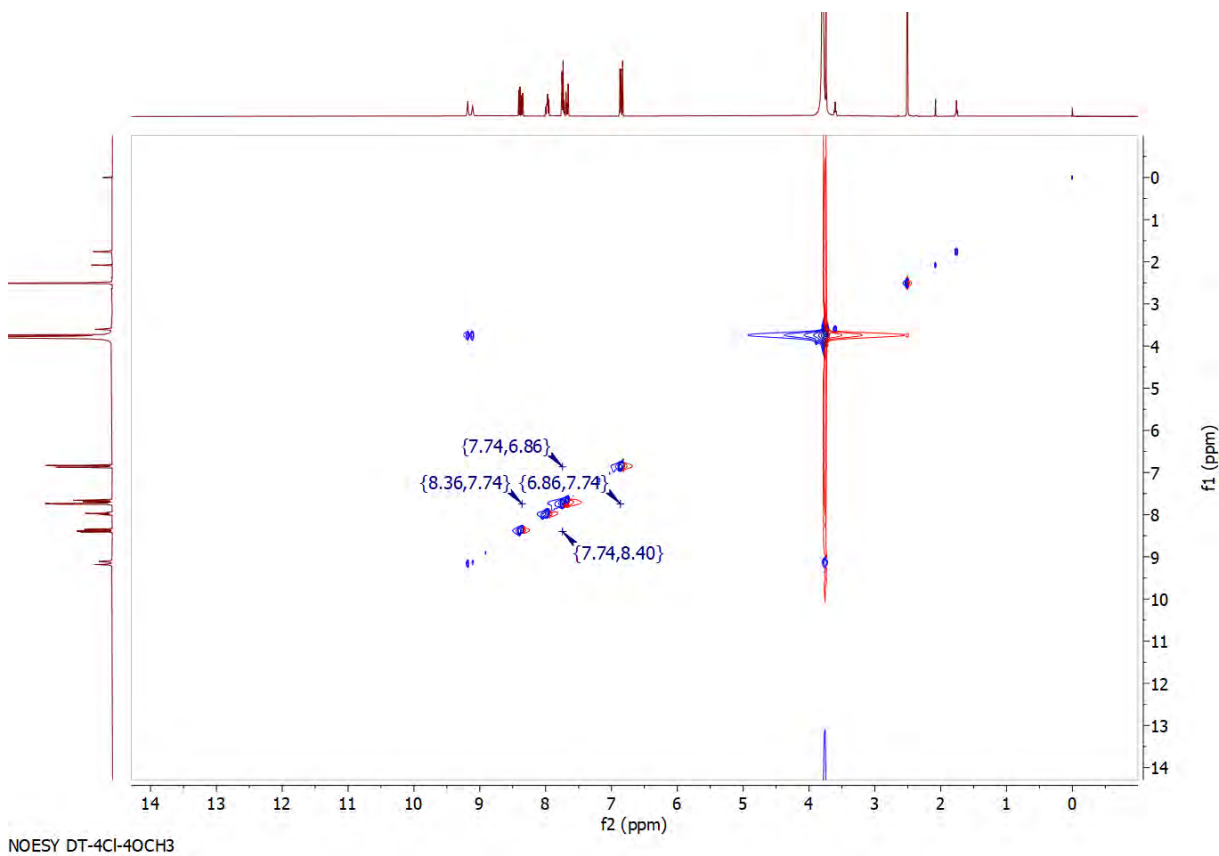
**Figura S68.** Espectro de correlação COSY do DT-4Cl-4OCH<sub>3</sub>.



**Figura S69.** Espectro de correlação HSQC do DT-4Cl-4OCH<sub>3</sub>.



**Figura S70.** Espectro de correlação HMBC do DT-4Cl-4OCH<sub>3</sub>.



**Figura S71.** Espectro de correlação NOESY do DT-4Cl-4OCH<sub>3</sub>.

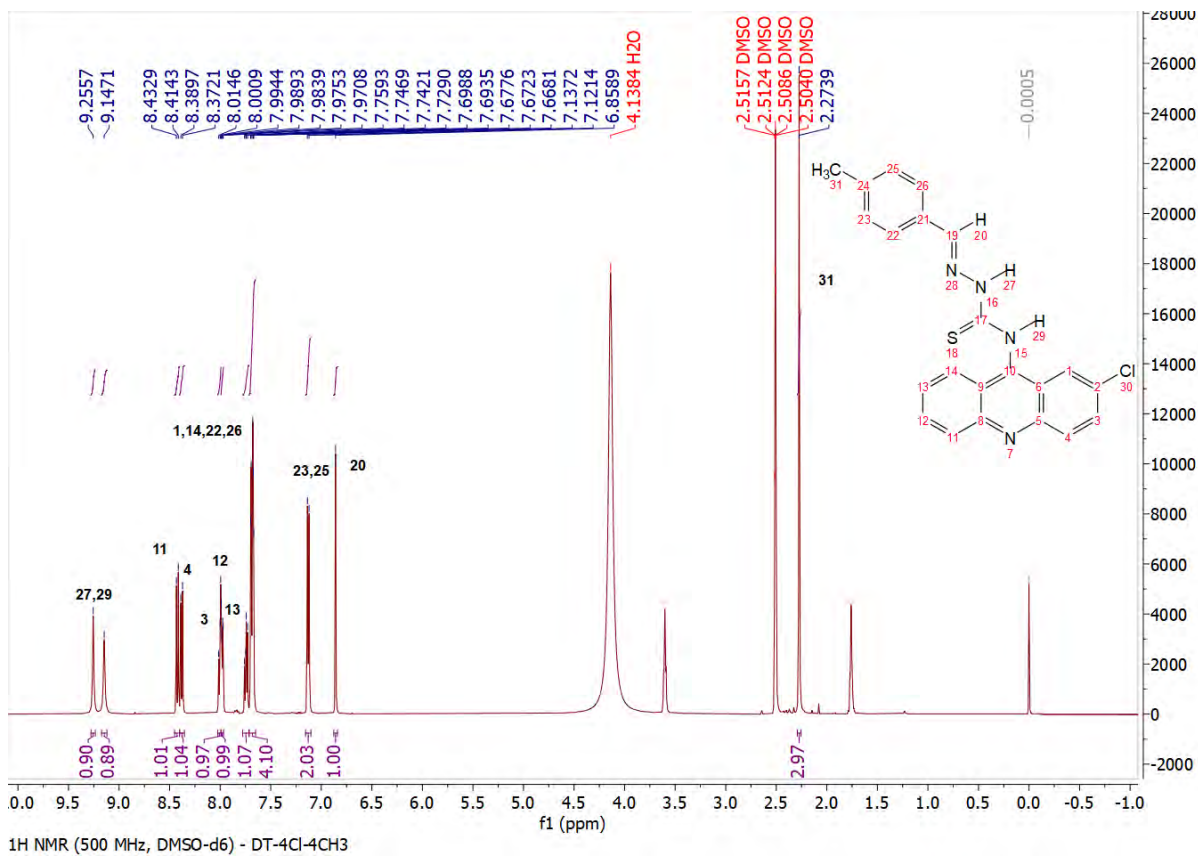


Figura S72. Espectro de RMN <sup>1</sup>H do DT-4Cl-4CH<sub>3</sub>.

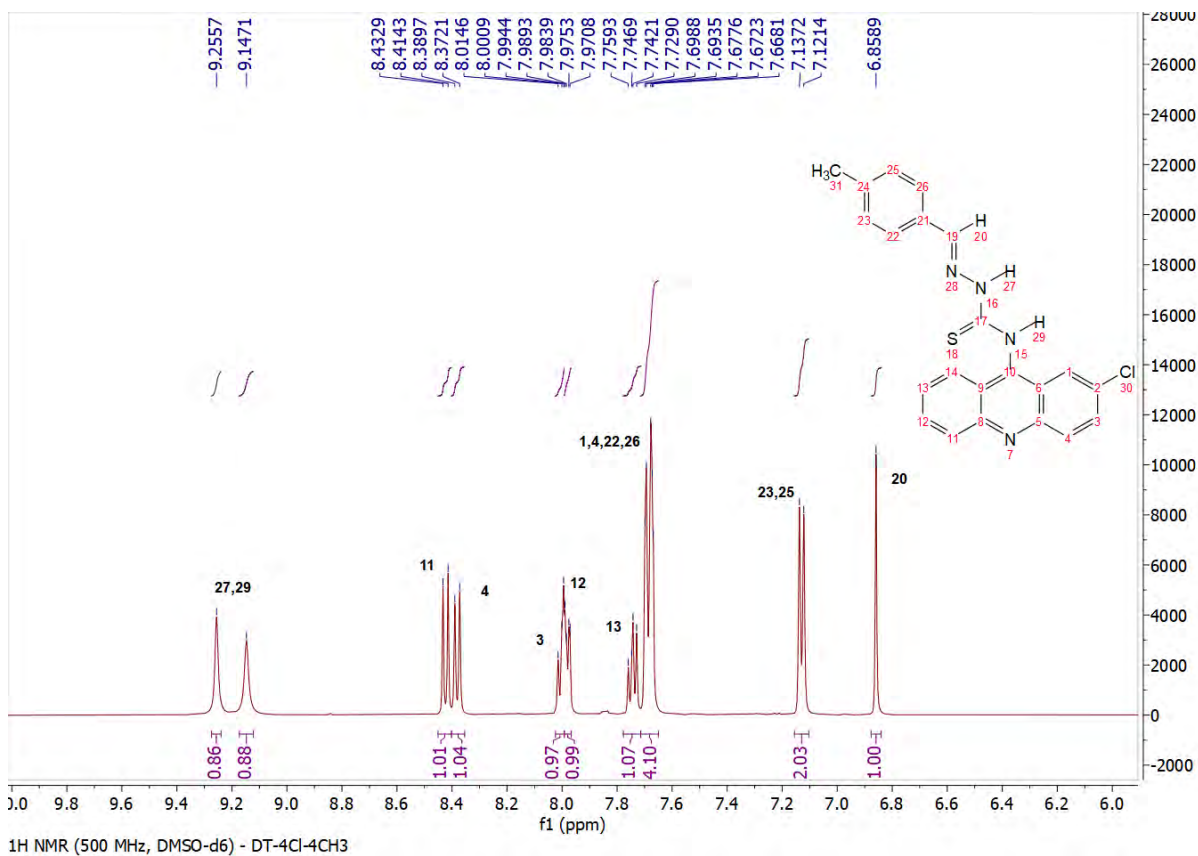


Figura S73. Expansão do espectro de RMN <sup>1</sup>H do DT-4Cl-4CH<sub>3</sub>.

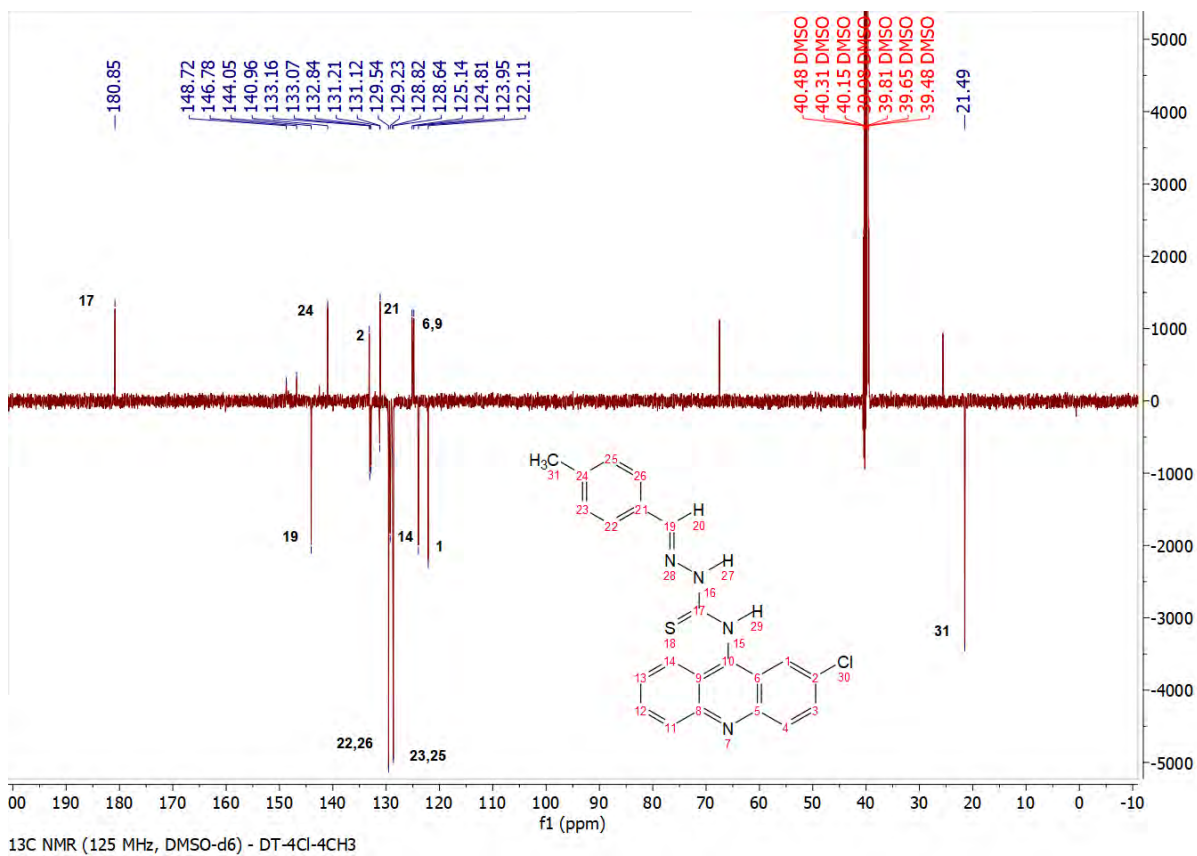


Figura S74. Espectro de RMN  $^{13}\text{C}$  do DT-4Cl-4CH<sub>3</sub>.

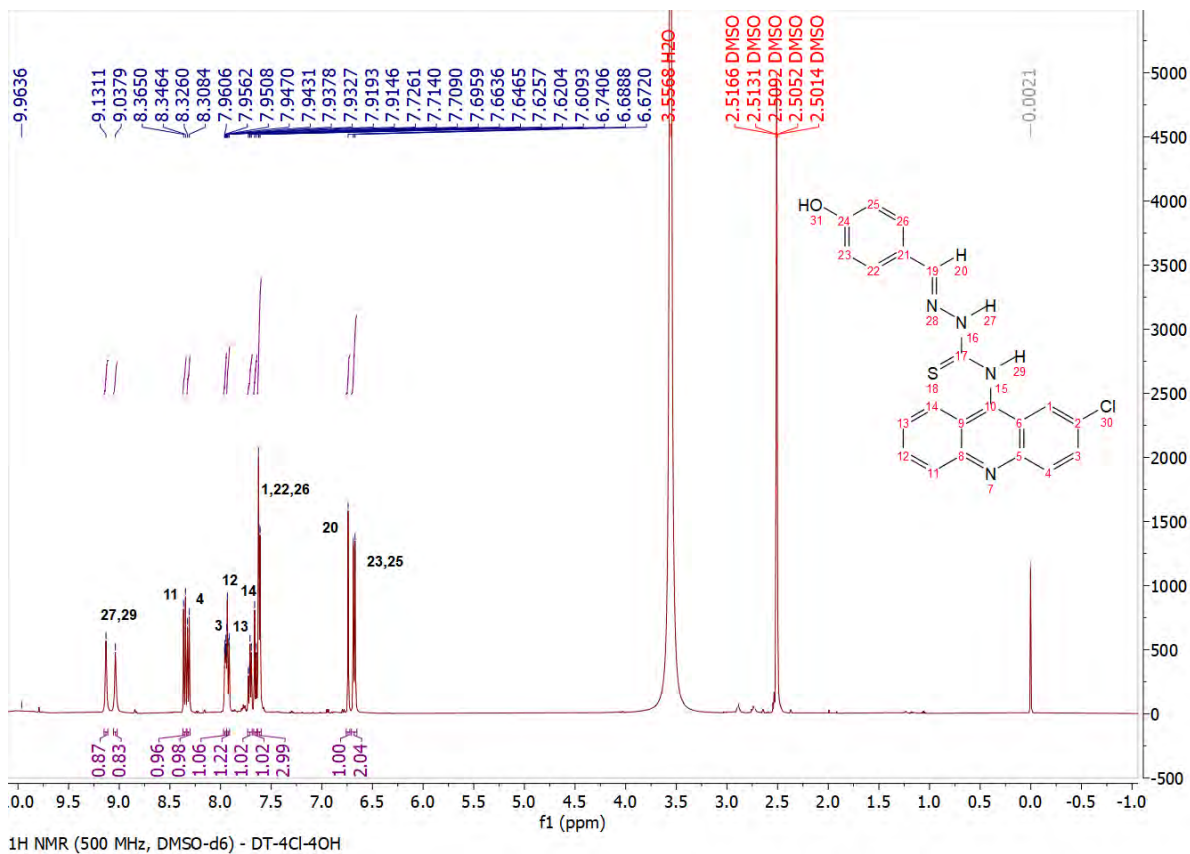


Figura S75. Espectro de RMN  $^1\text{H}$  do DT-4Cl-4OH.

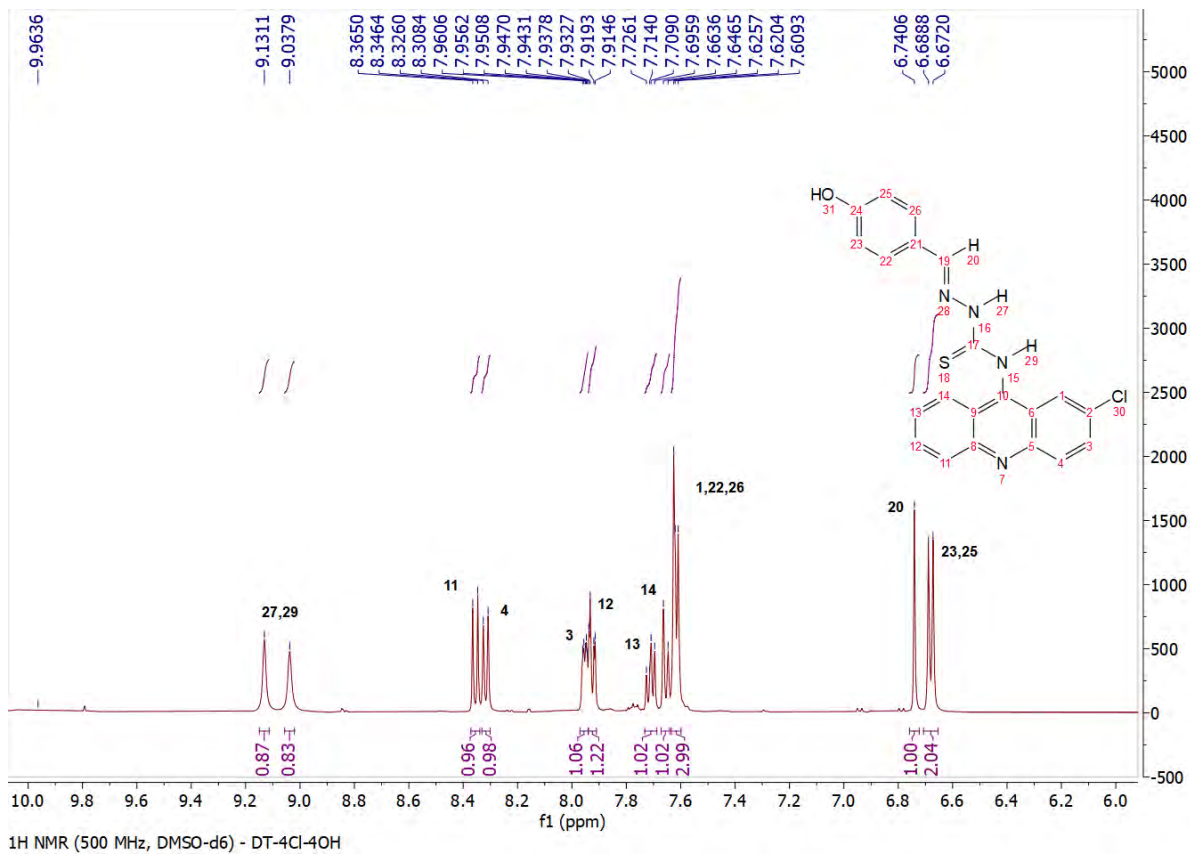


Figura S76. Expansão do espectro de RMN <sup>1</sup>H do DT-4Cl-4OH.

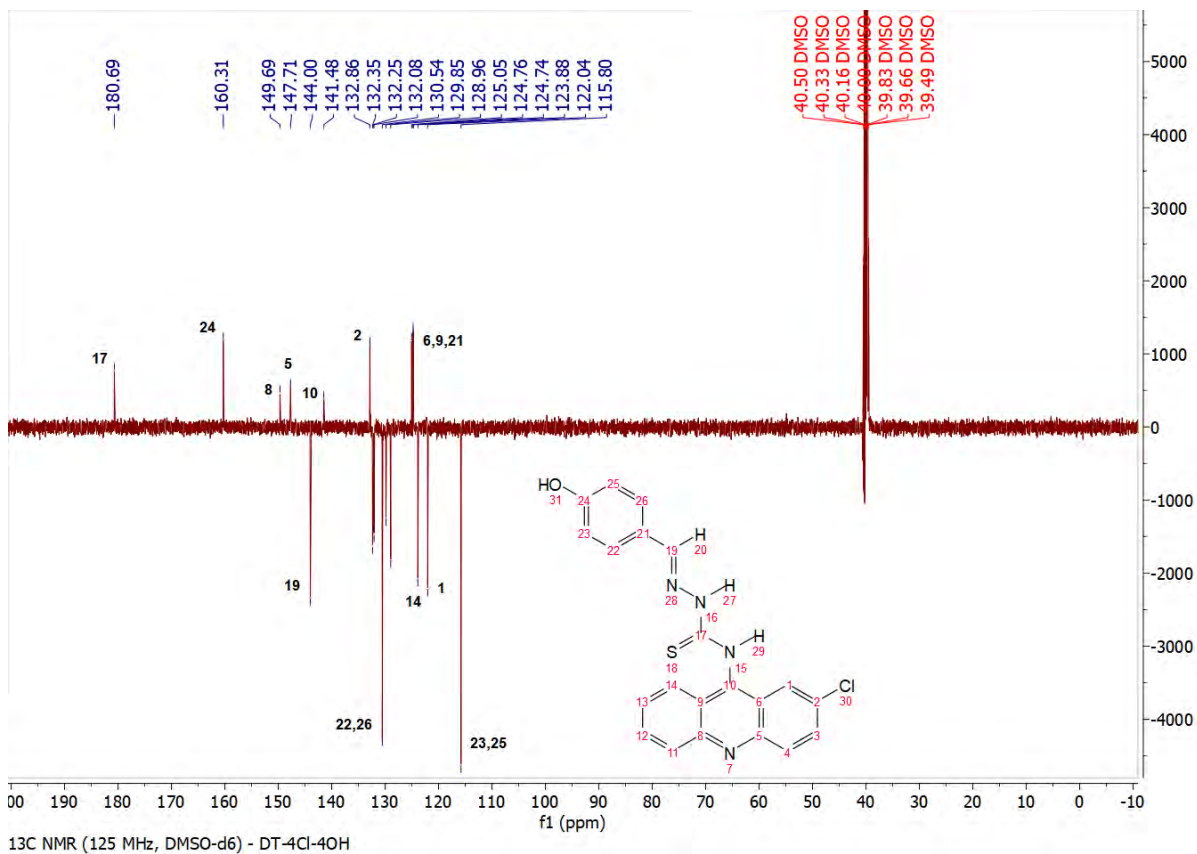


Figura S77. Espectro de RMN <sup>13</sup>C do DT-4Cl-4OH.

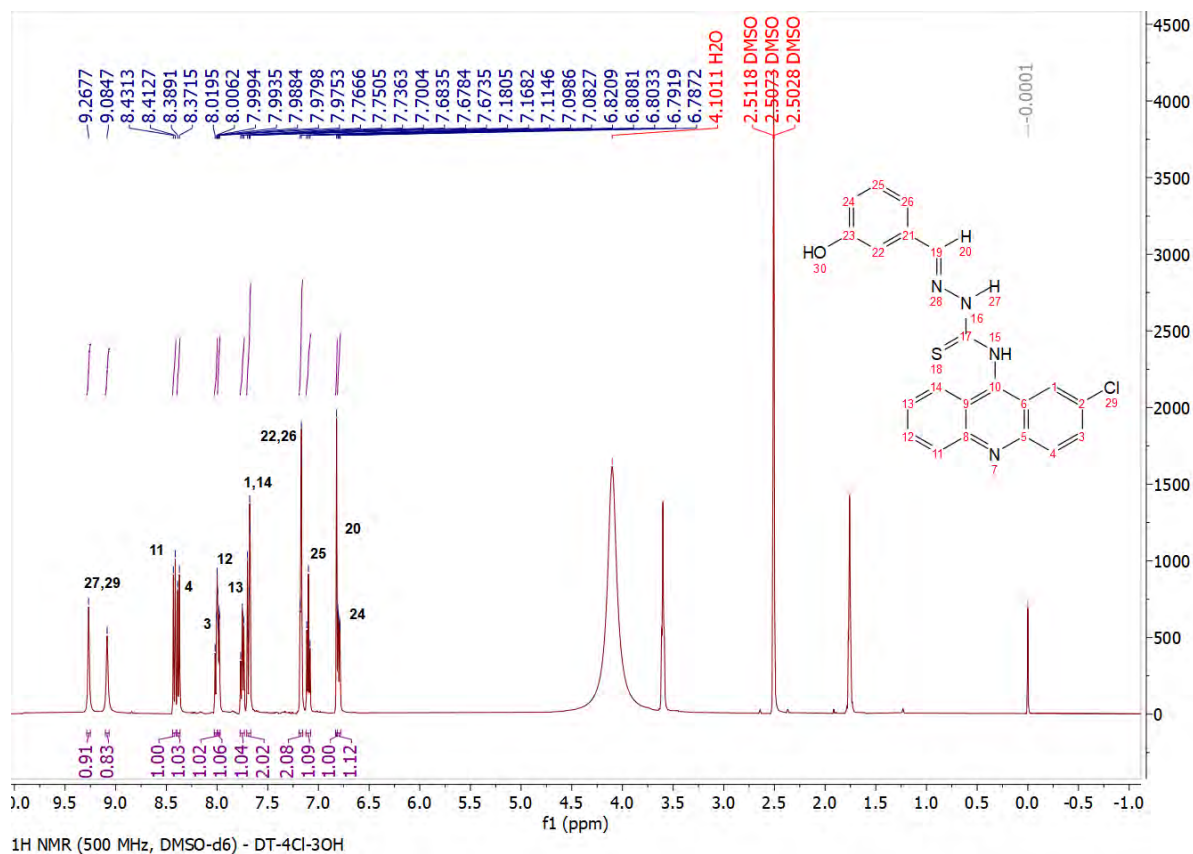


Figura S78. Espectro de RMN <sup>1</sup>H do DT-4Cl-3OH.

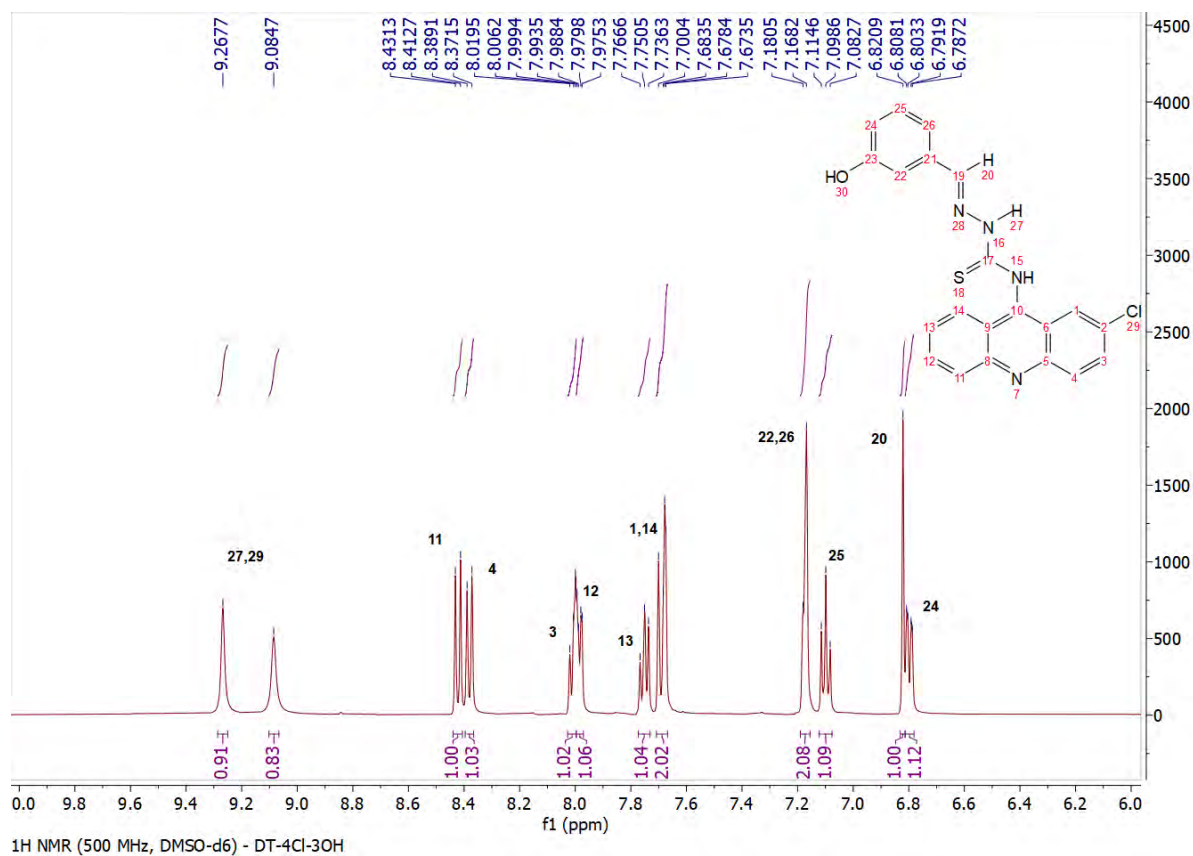


Figura S79. Expansão do espectro de RMN <sup>1</sup>H do DT-4Cl-3OH.



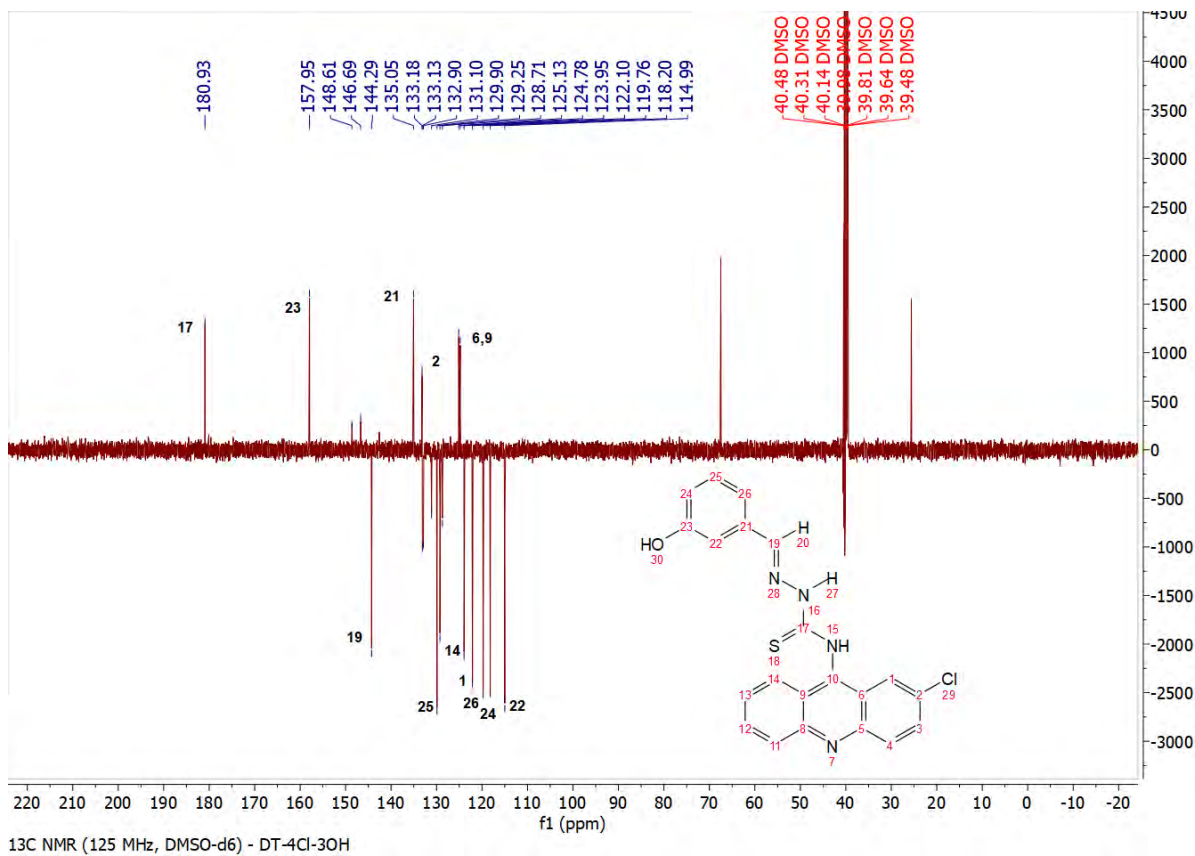


Figura S80. Espectro de RMN  $^{13}\text{C}$  do DT-4Cl-3OH.

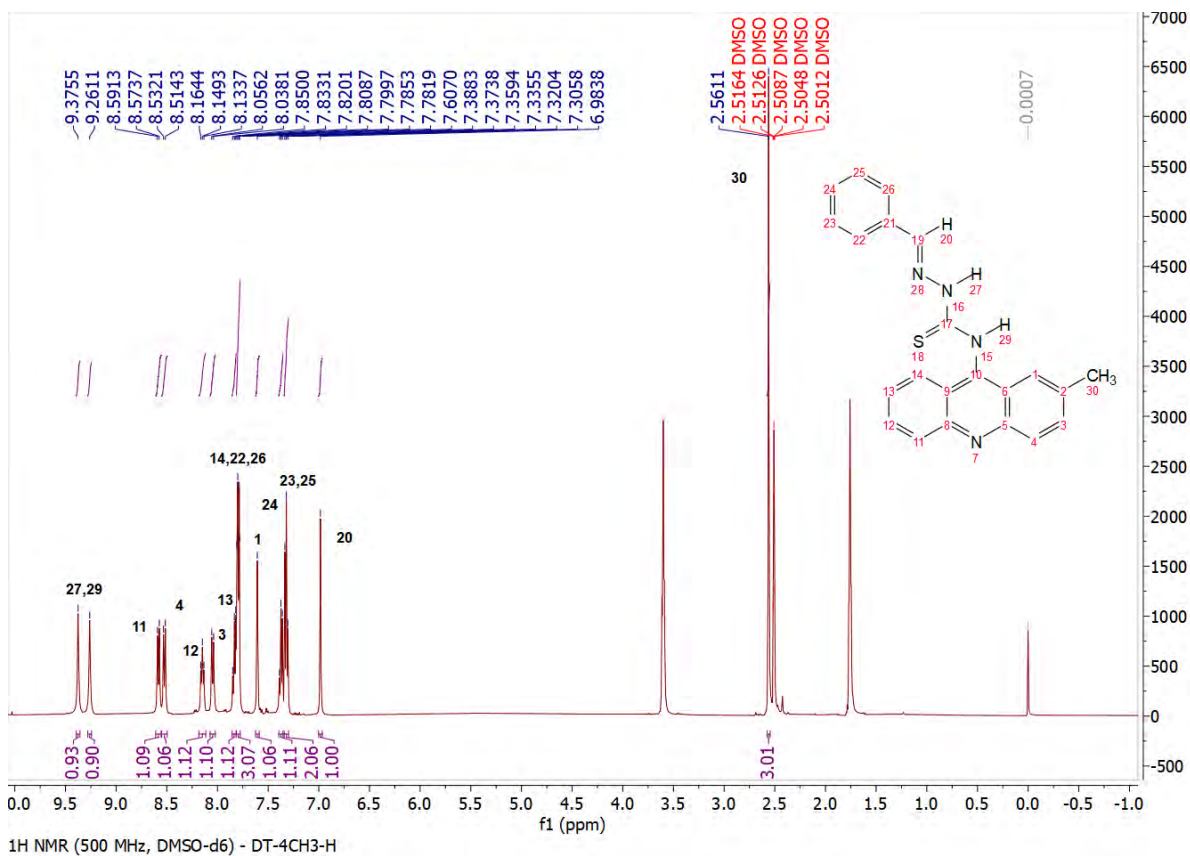


Figura S81. Espectro de RMN  $^1\text{H}$  do DT-4CH<sub>3</sub>-H.

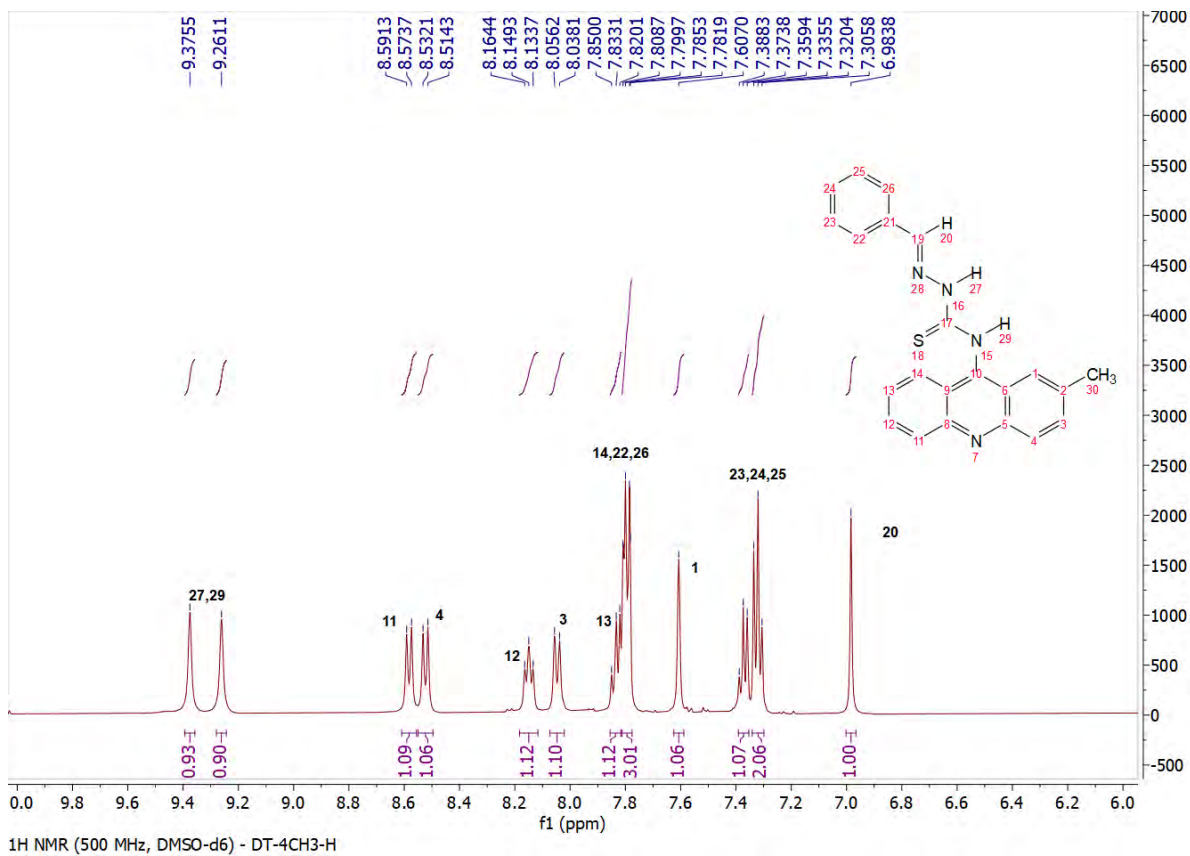


Figura S82. Expansão do espectro de RMN <sup>1</sup>H do DT-4CH<sub>3</sub>-H.

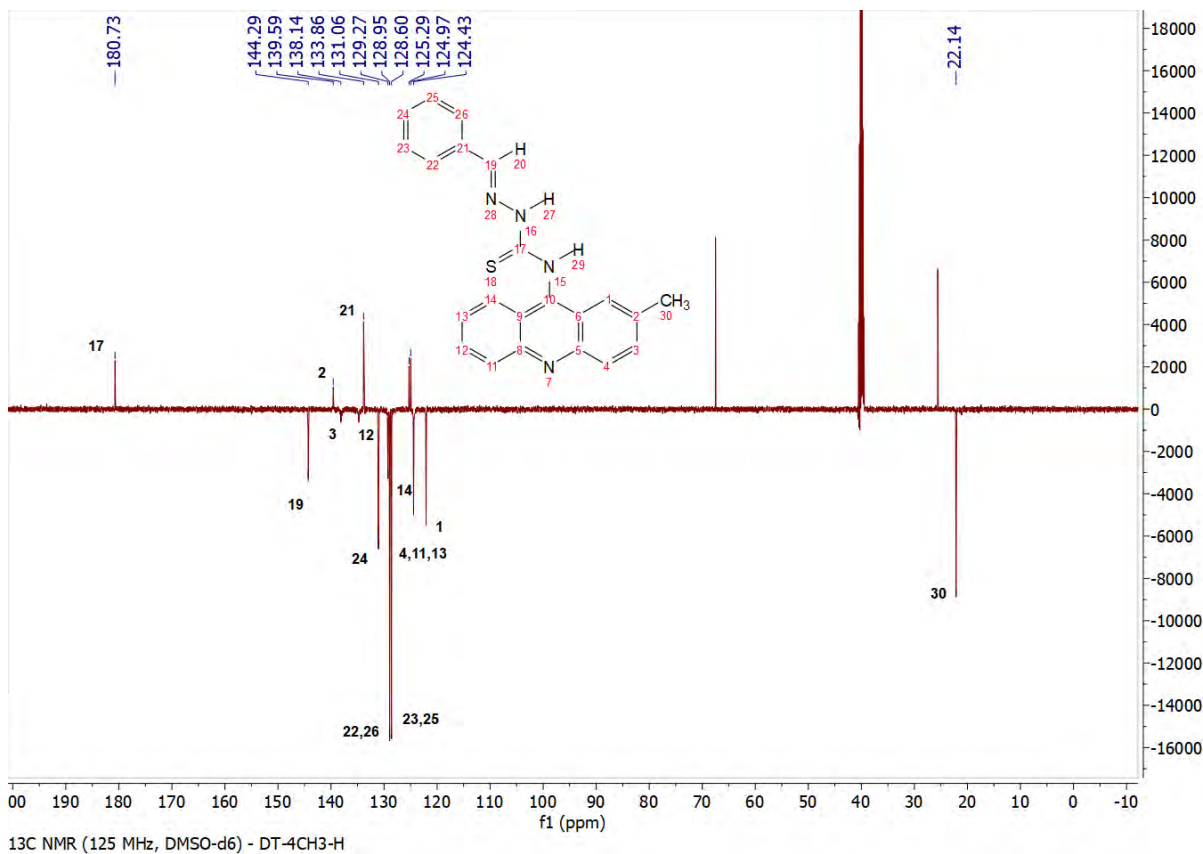


Figura S83. Espectro de RMN <sup>13</sup>C do DT-4CH<sub>3</sub>-H.

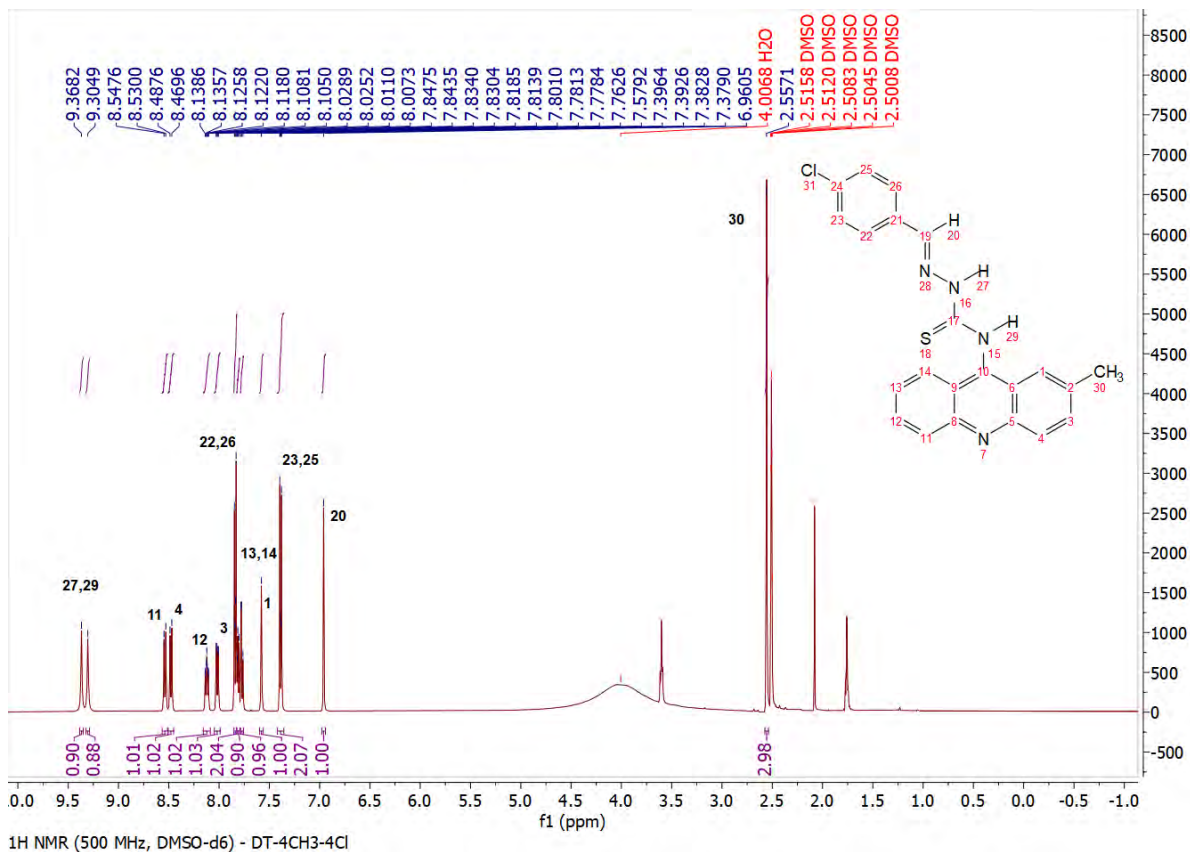


Figura S84. Espectro de RMN <sup>1</sup>H do DT-4CH<sub>3</sub>-4Cl.

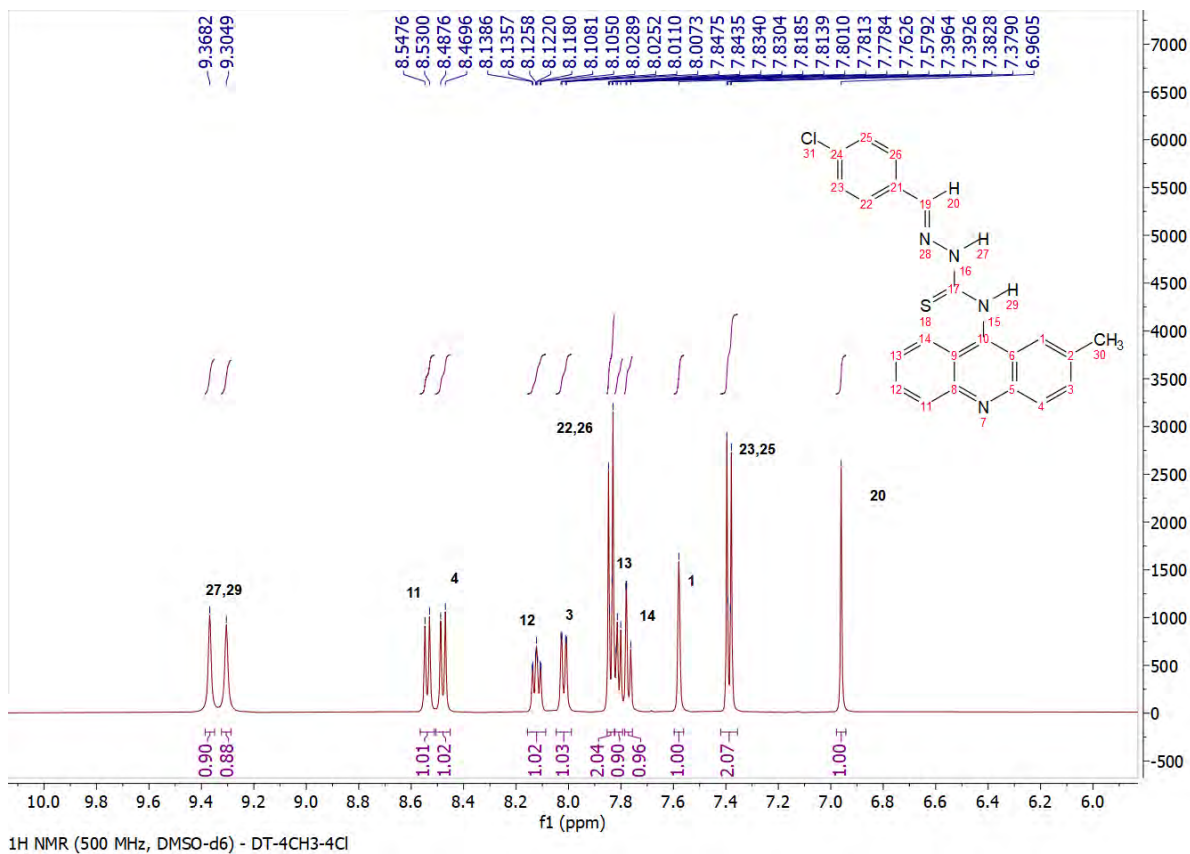


Figura S85. Expansão do espectro de RMN <sup>1</sup>H do DT-4CH<sub>3</sub>-4Cl.

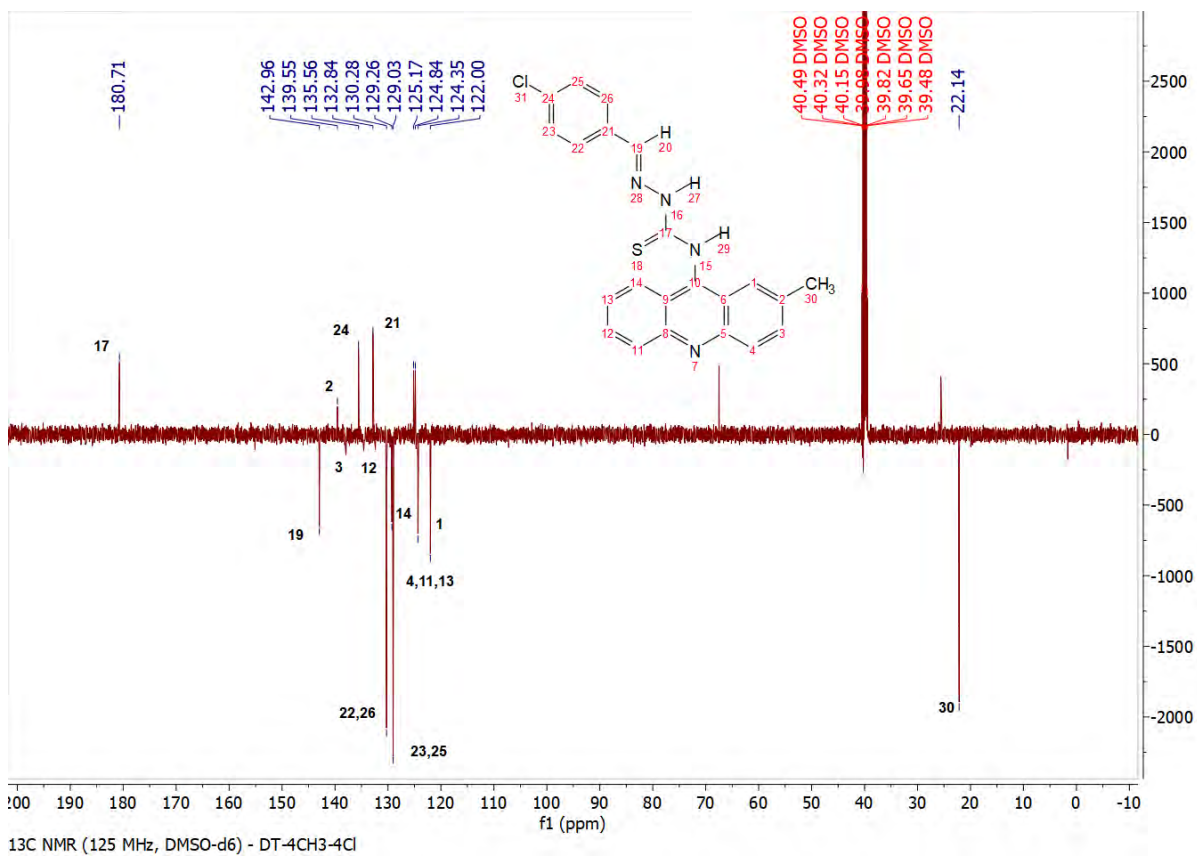


Figura S86. Espectro de RMN  $^{13}\text{C}$  do DT-4CH $_3$ -4Cl.

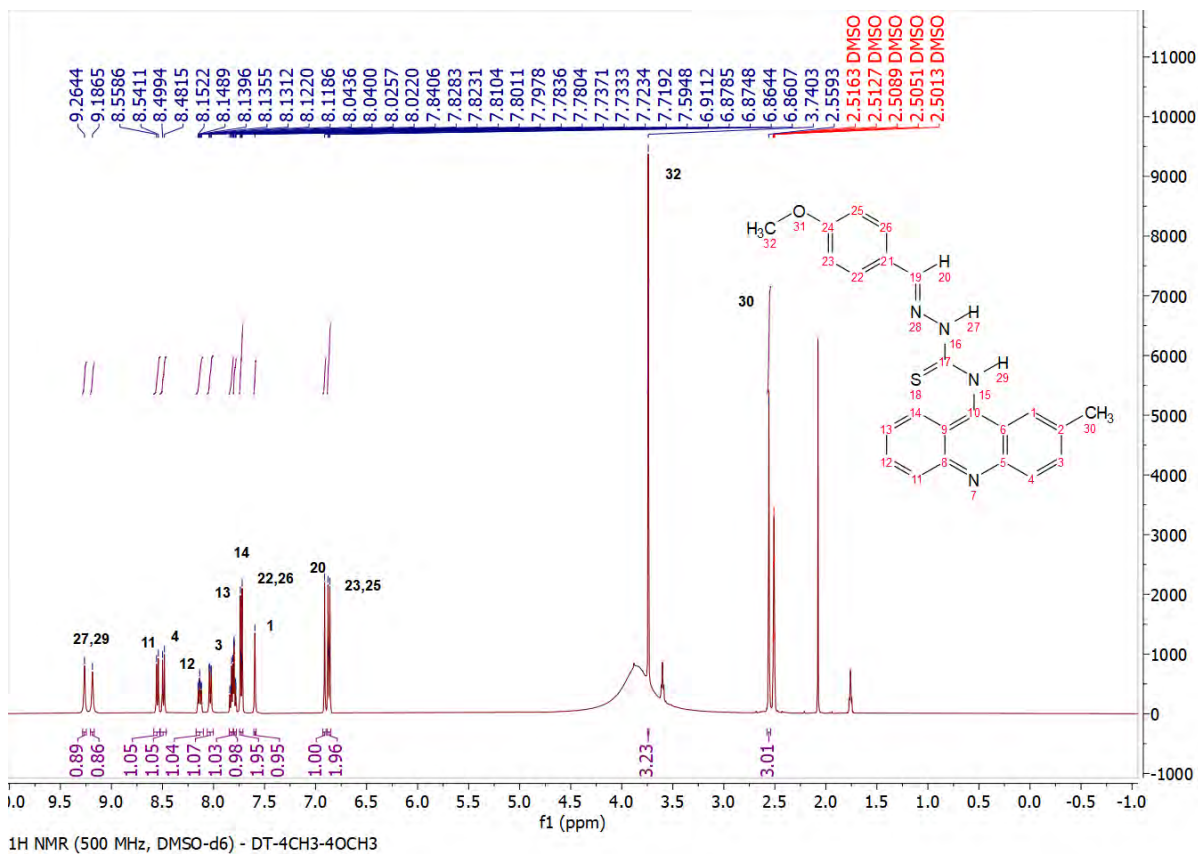


Figura S87. Espectro de RMN  $^1\text{H}$  do DT-4CH $_3$ -4OCH $_3$ .

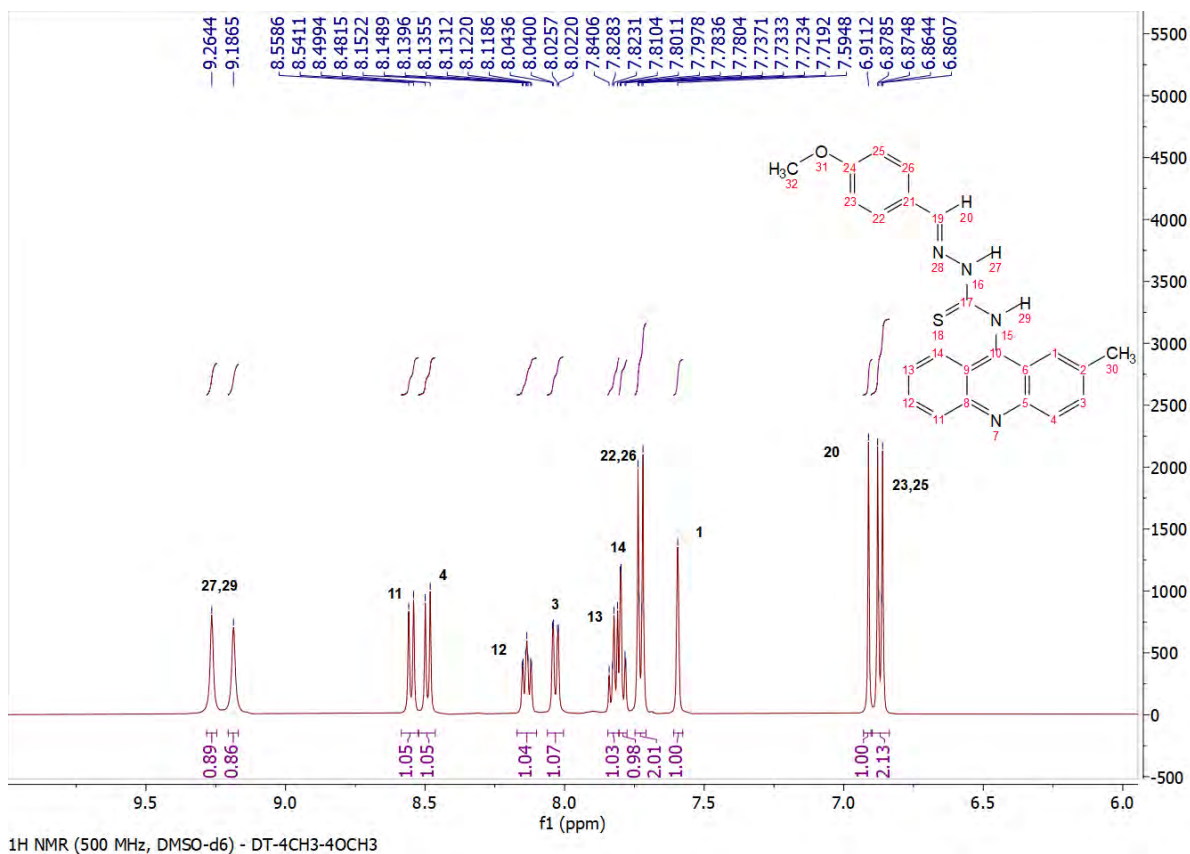


Figura S88. Expansão do espectro de RMN <sup>1</sup>H do DT-4CH<sub>3</sub>-4OCH<sub>3</sub>.

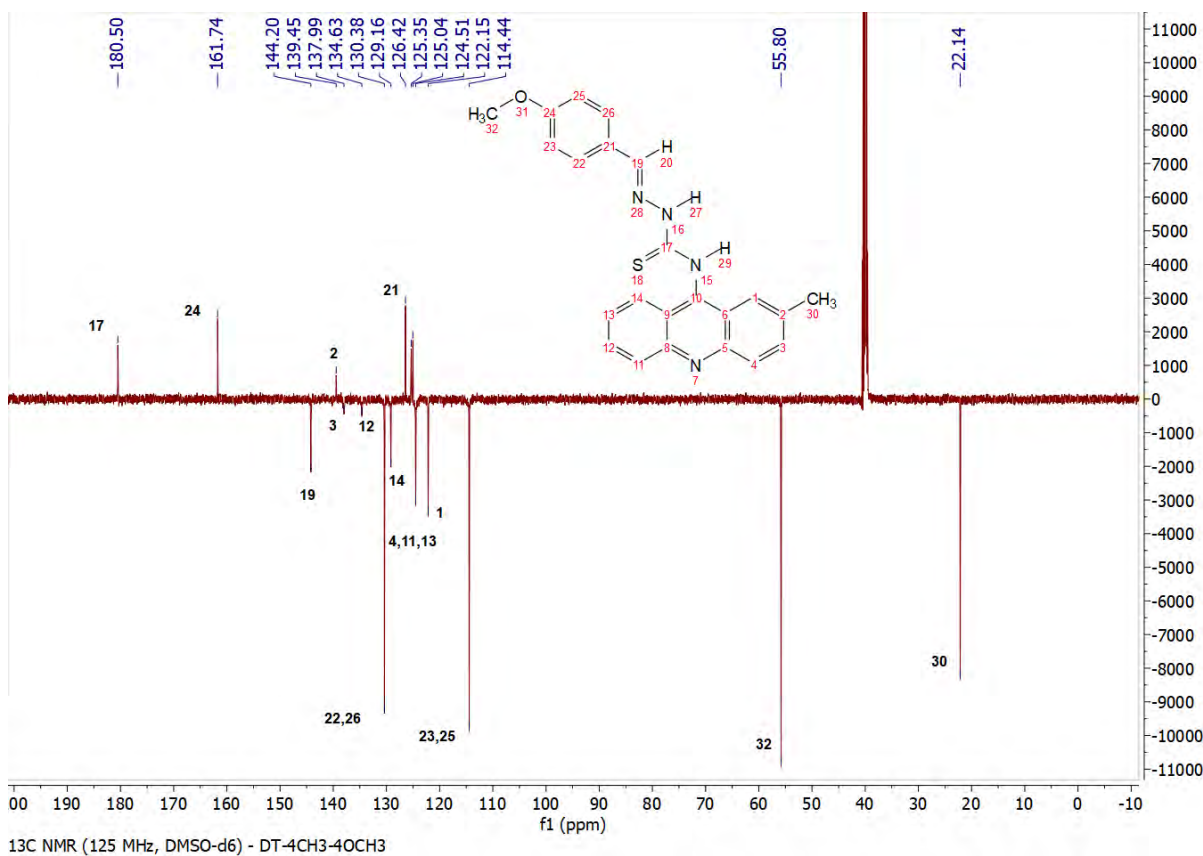
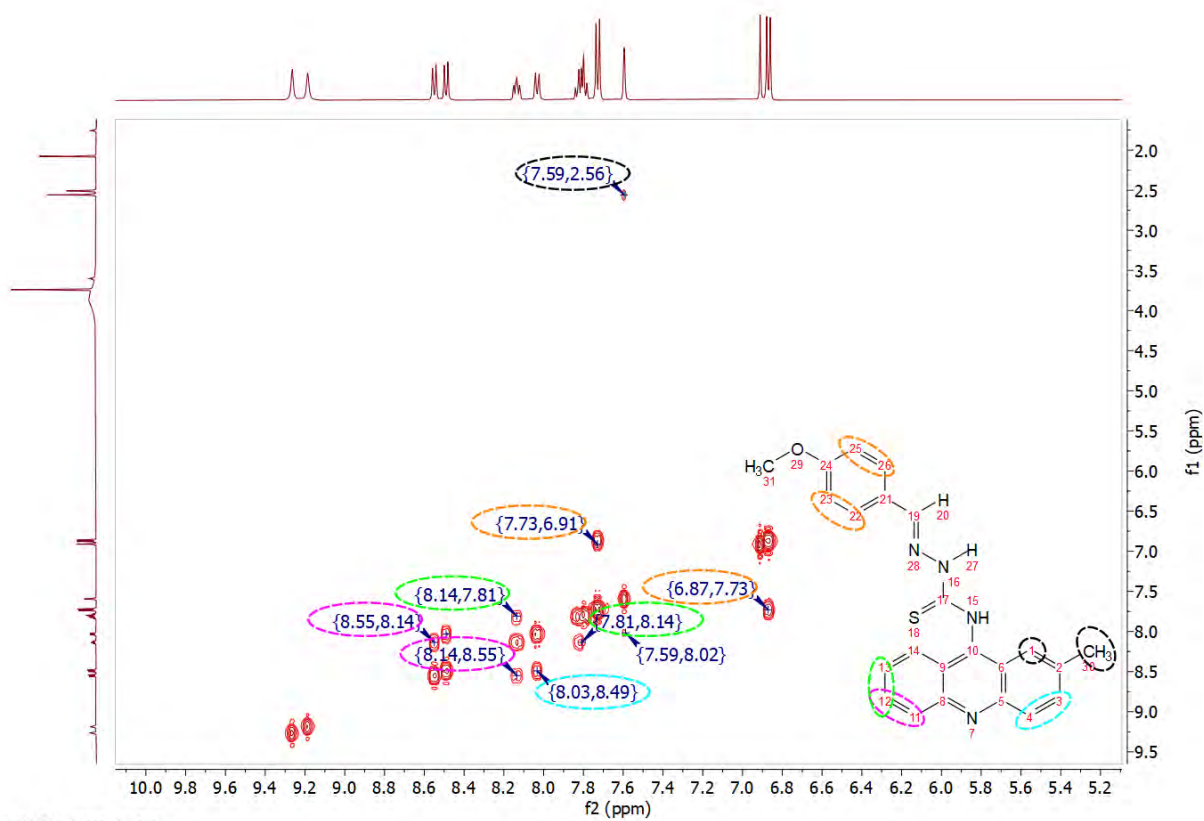
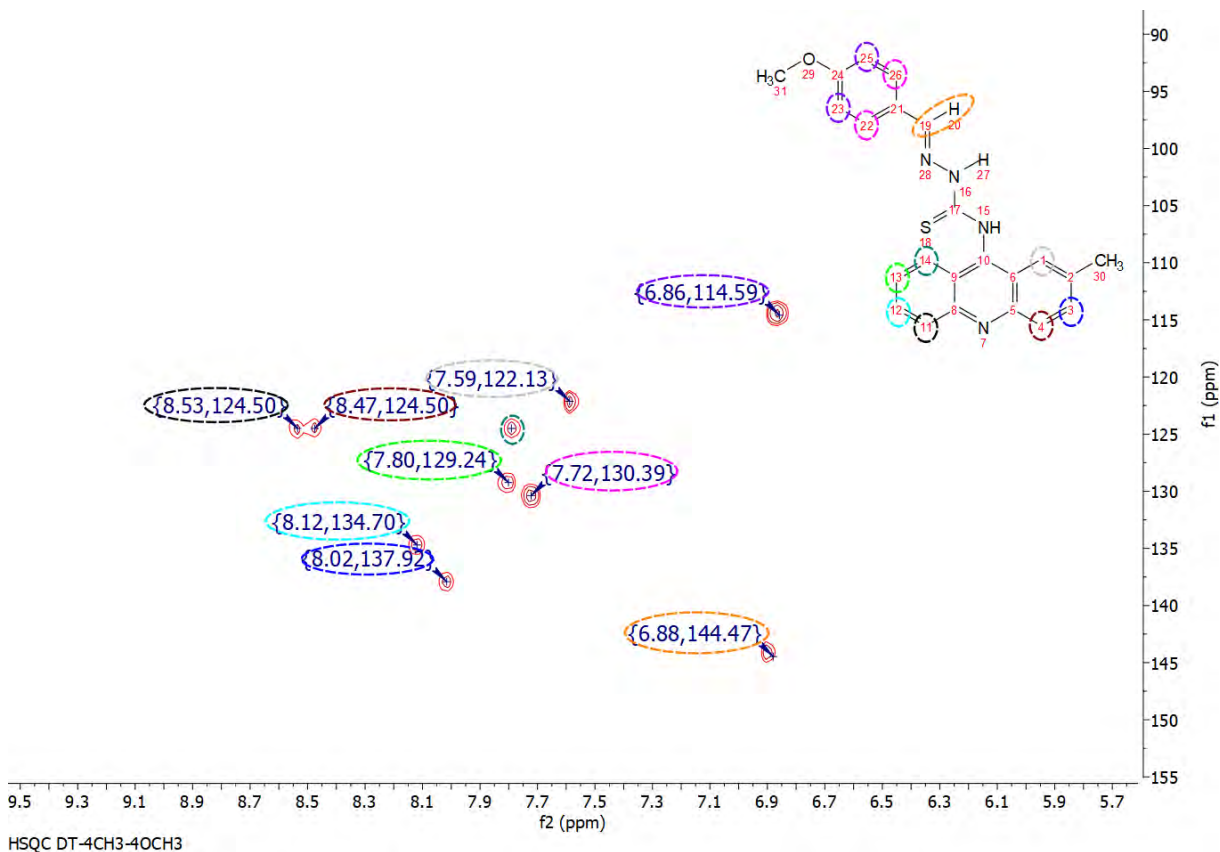


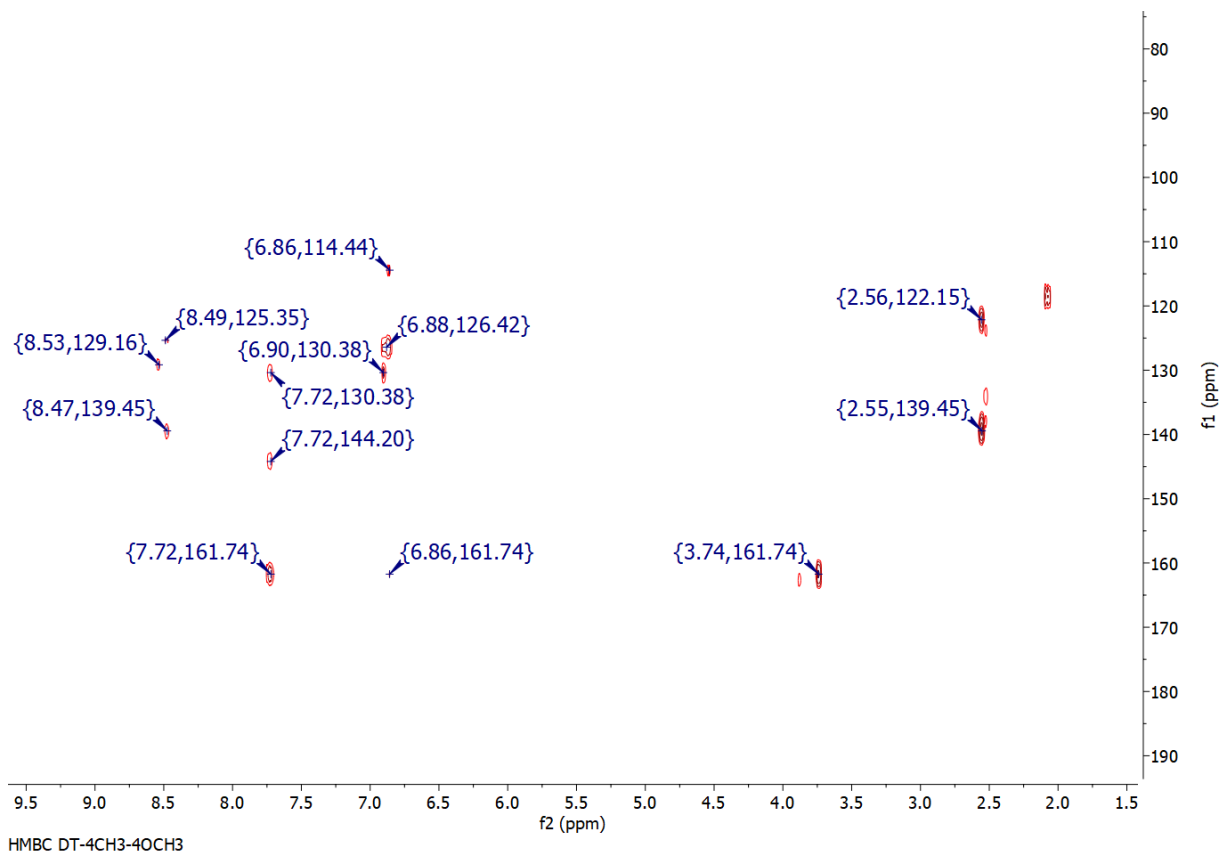
Figura S89. Espectro de RMN <sup>13</sup>C do DT-4CH<sub>3</sub>-4OCH<sub>3</sub>.



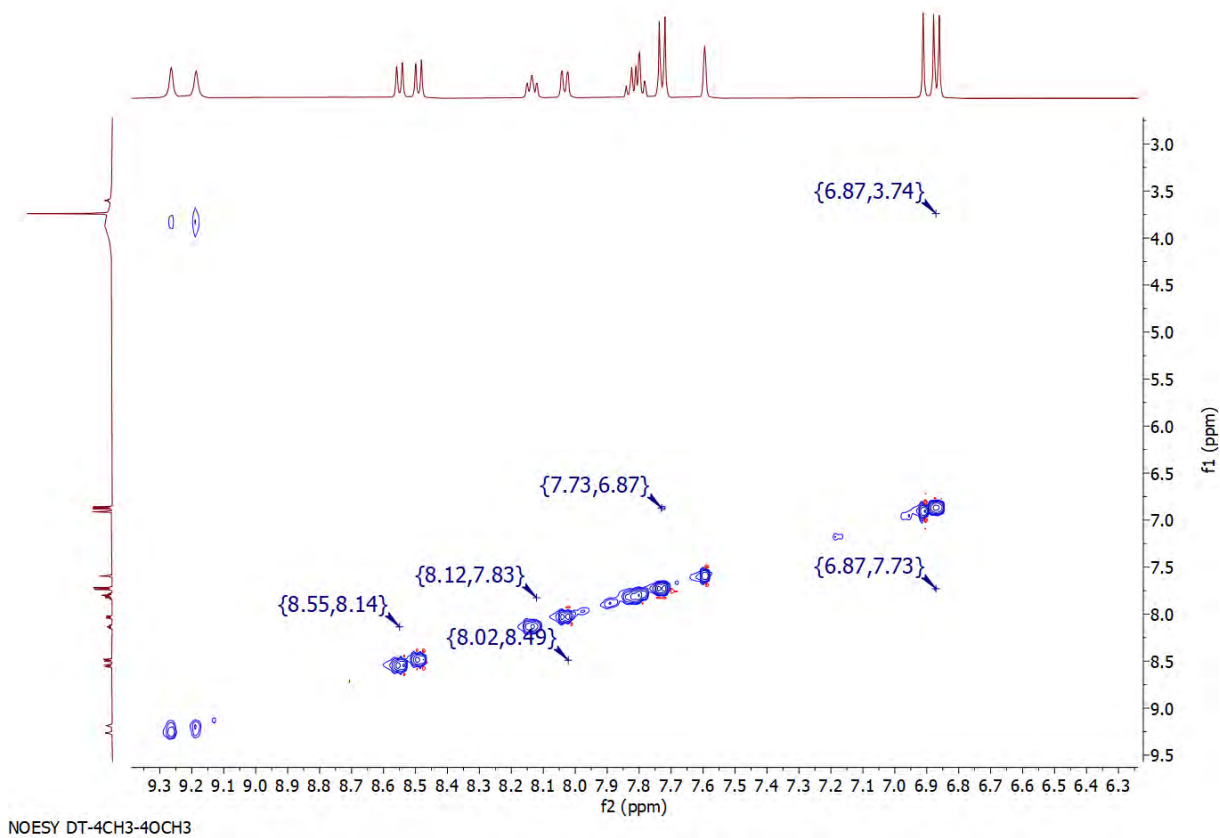
**Figura S90.** Espectro de correlação COSY do DT-4CH<sub>3</sub>-4OCH<sub>3</sub>.



**Figura S91.** Espectro de correlação HSQC do DT-4CH<sub>3</sub>-4OCH<sub>3</sub>.



**Figura S92.** Espectro de correlação HMBC do DT-4CH<sub>3</sub>-4OCH<sub>3</sub>.



**Figura S93.** Espectro de correlação NOESY do DT-4CH<sub>3</sub>-4OCH<sub>3</sub>.

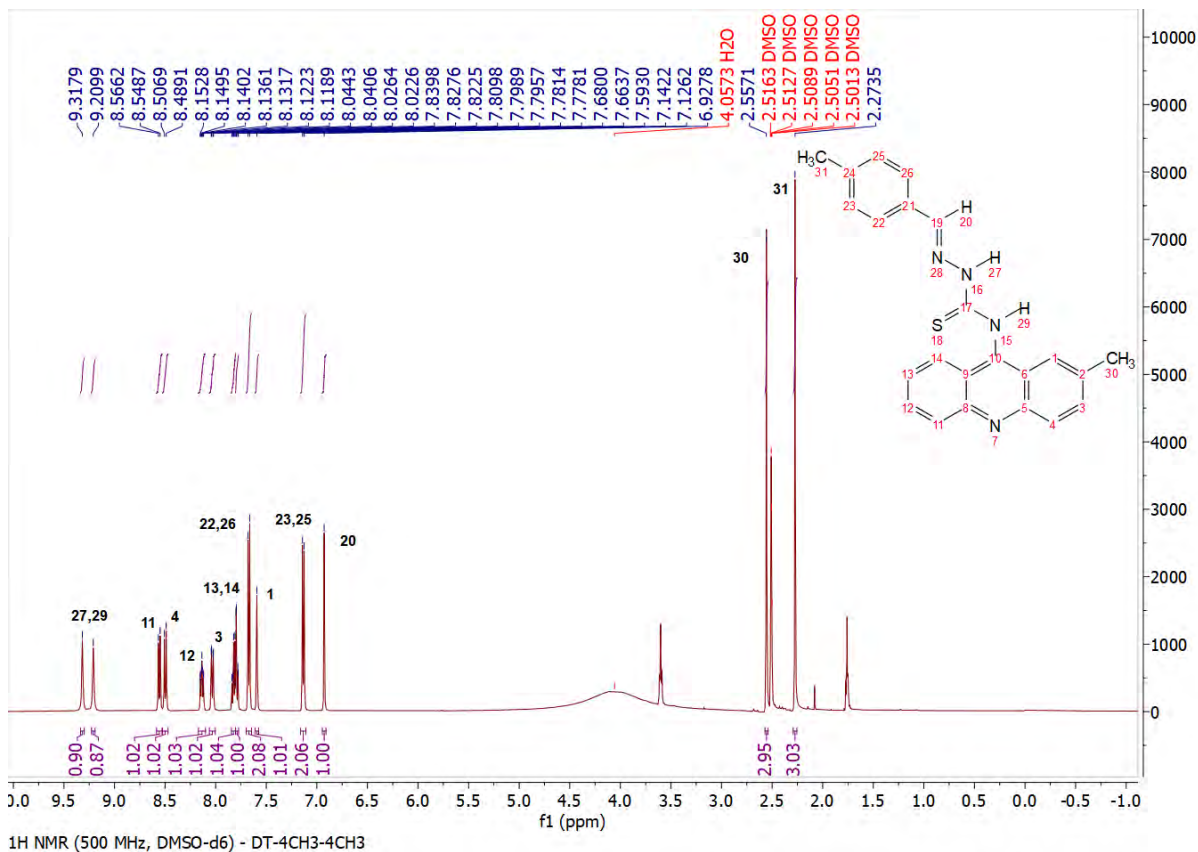


Figura S94. Espectro de RMN <sup>1</sup>H do DT-4CH<sub>3</sub>-4CH<sub>3</sub>.

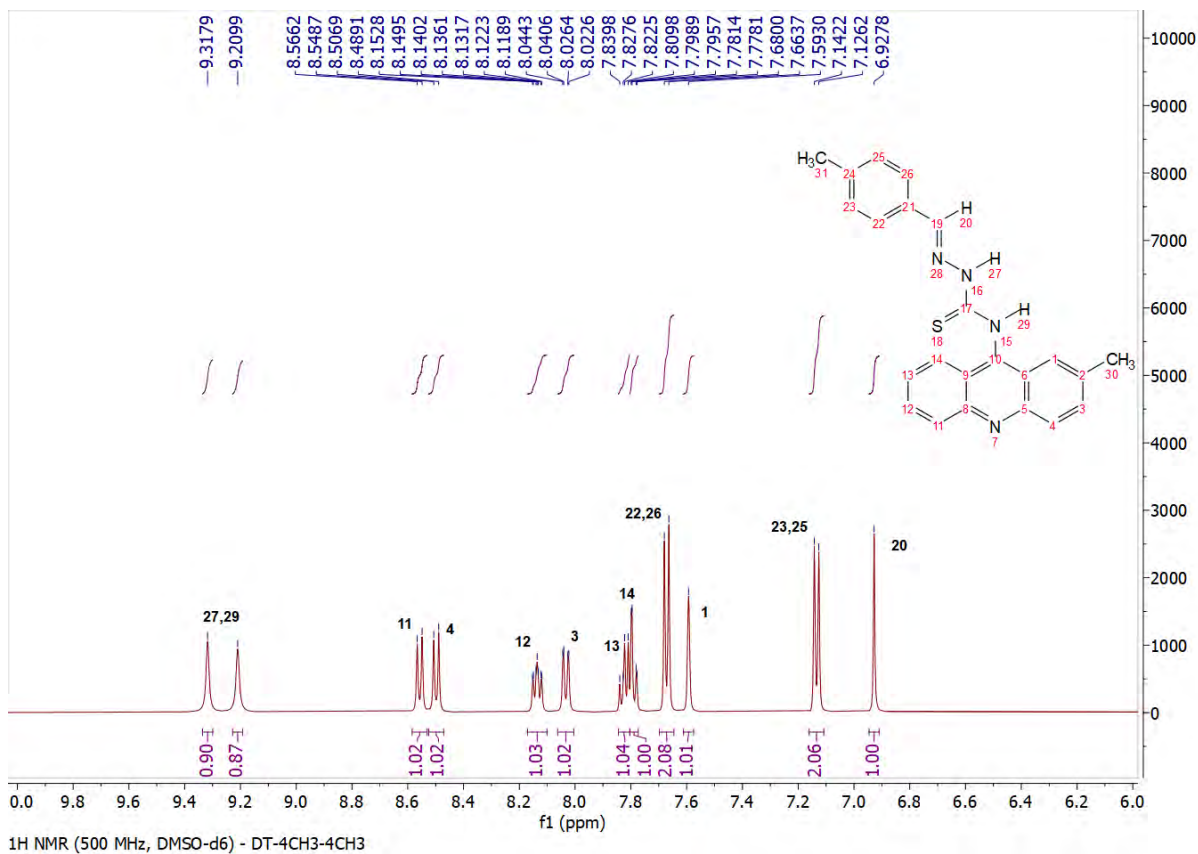


Figura S95. Expansão do espectro de RMN <sup>1</sup>H do DT-4CH<sub>3</sub>-4CH<sub>3</sub>.



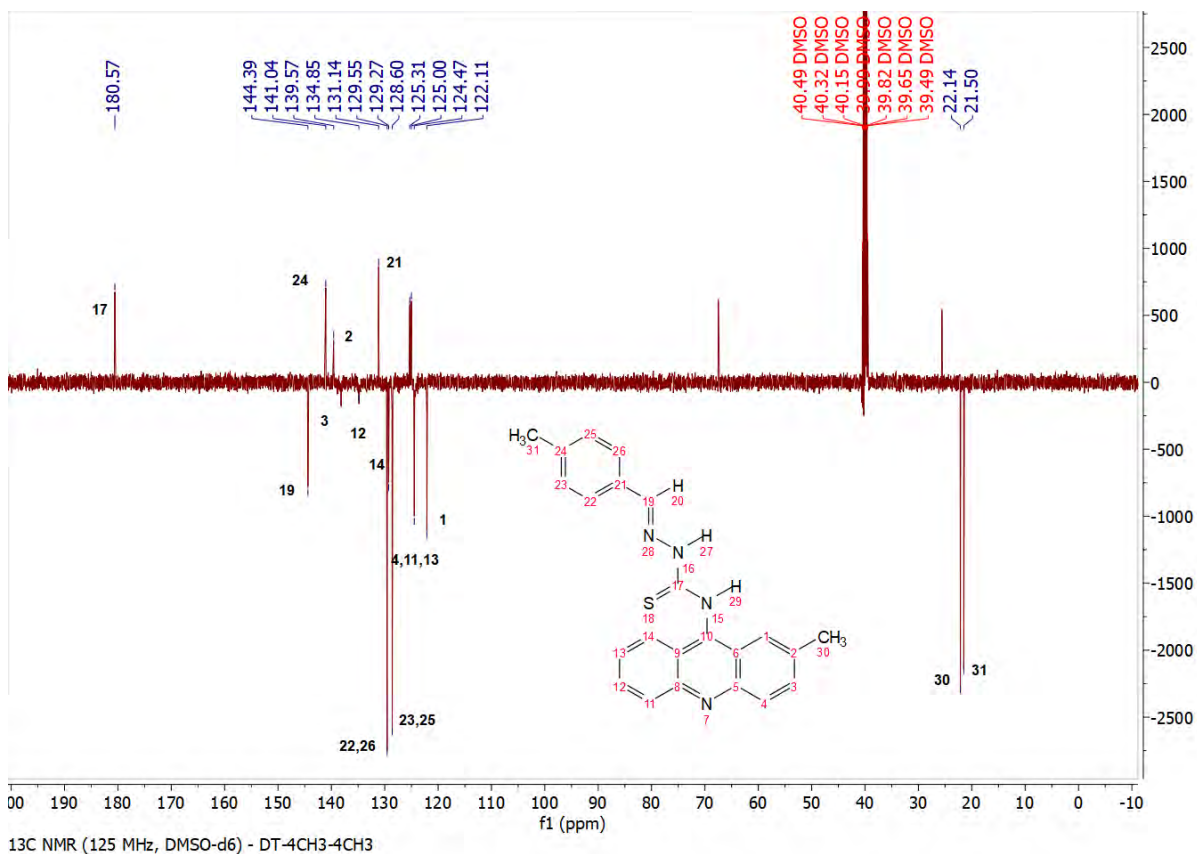


Figura S96. Espectro de RMN <sup>13</sup>C do DT-4CH<sub>3</sub>-4CH<sub>3</sub>.

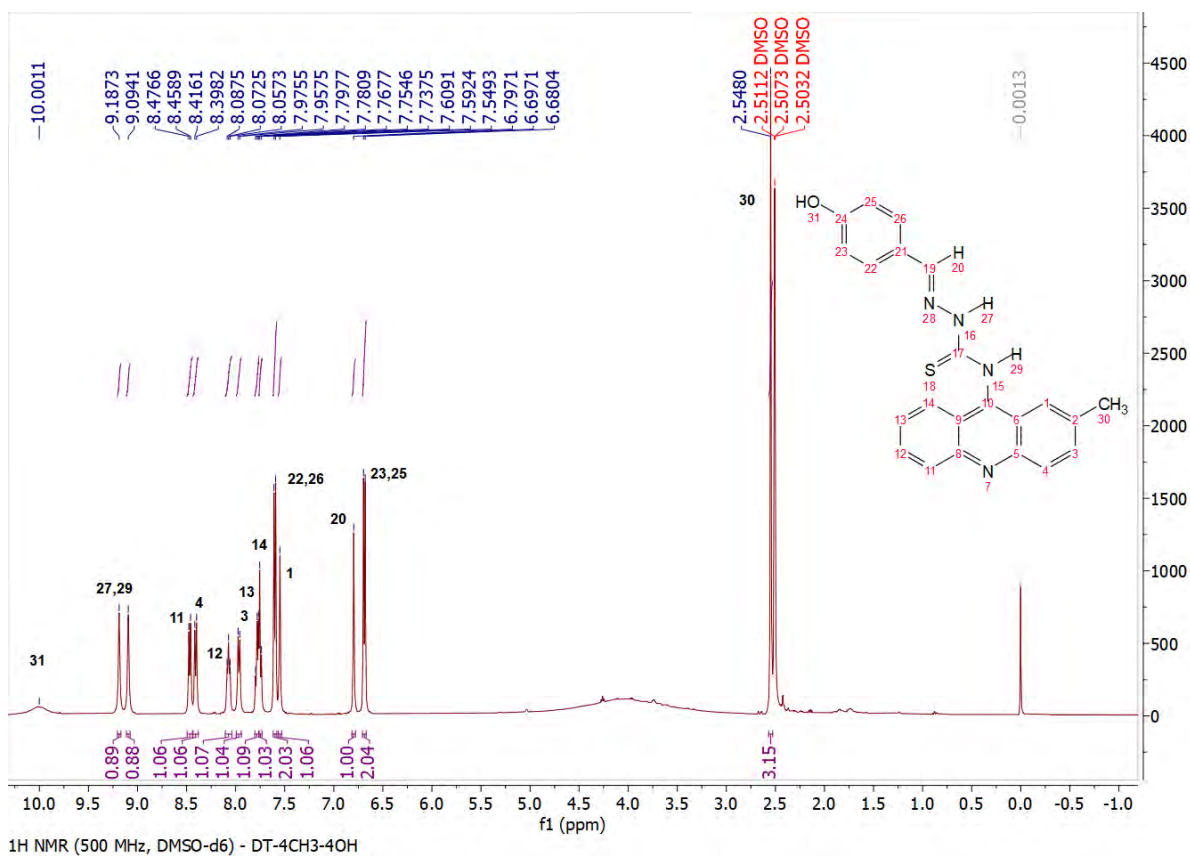


Figura S97. Espectro de RMN <sup>1</sup>H do DT-4CH<sub>3</sub>-4OH.

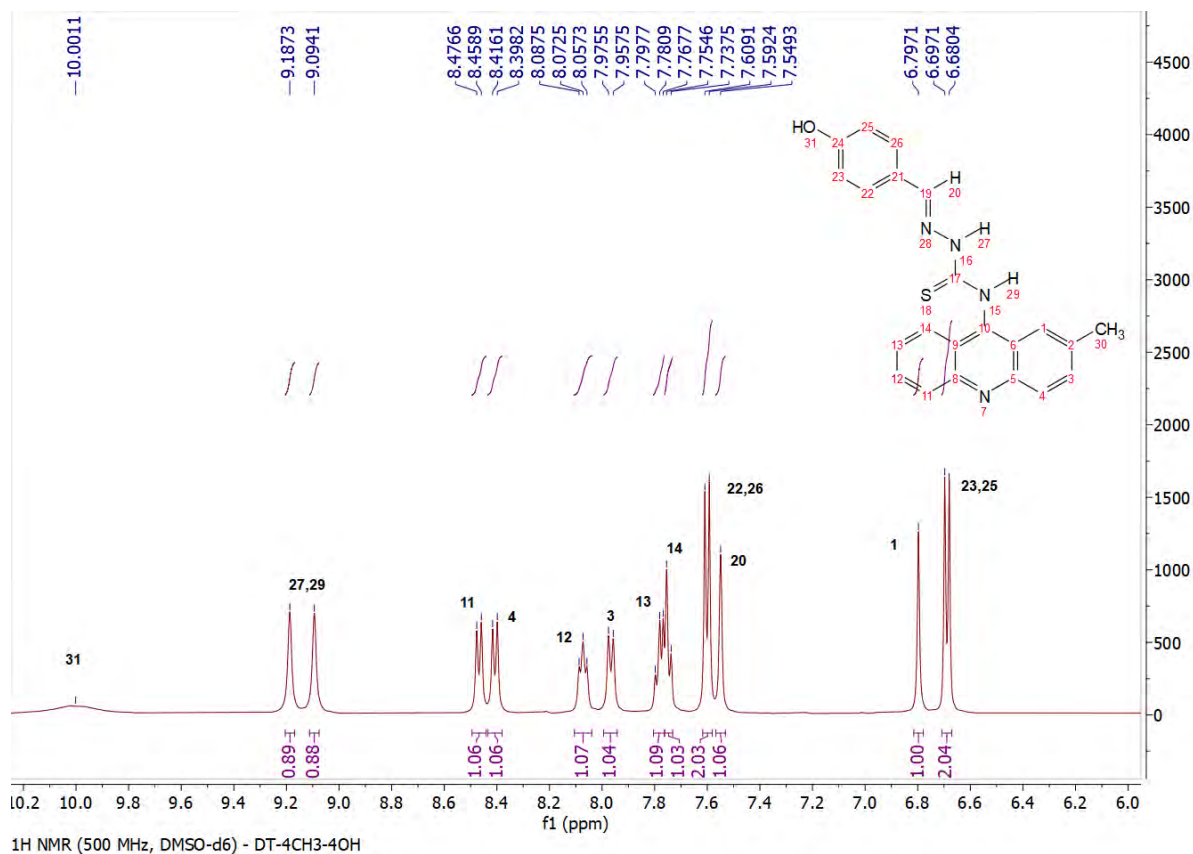


Figura S98. Expansão do espectro de RMN <sup>1</sup>H do DT-4CH<sub>3</sub>-4OH.

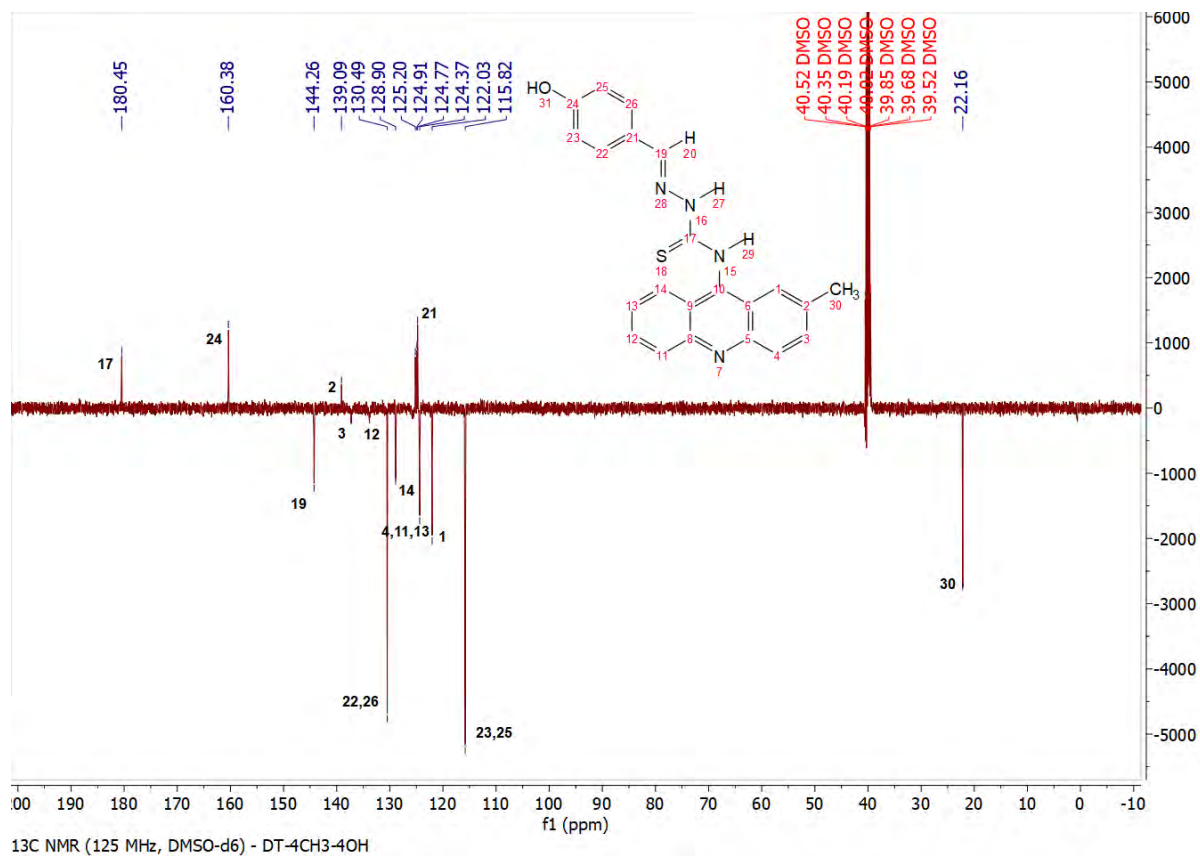


Figura S99. Espectro de RMN <sup>13</sup>C do DT-4CH<sub>3</sub>-4OH.

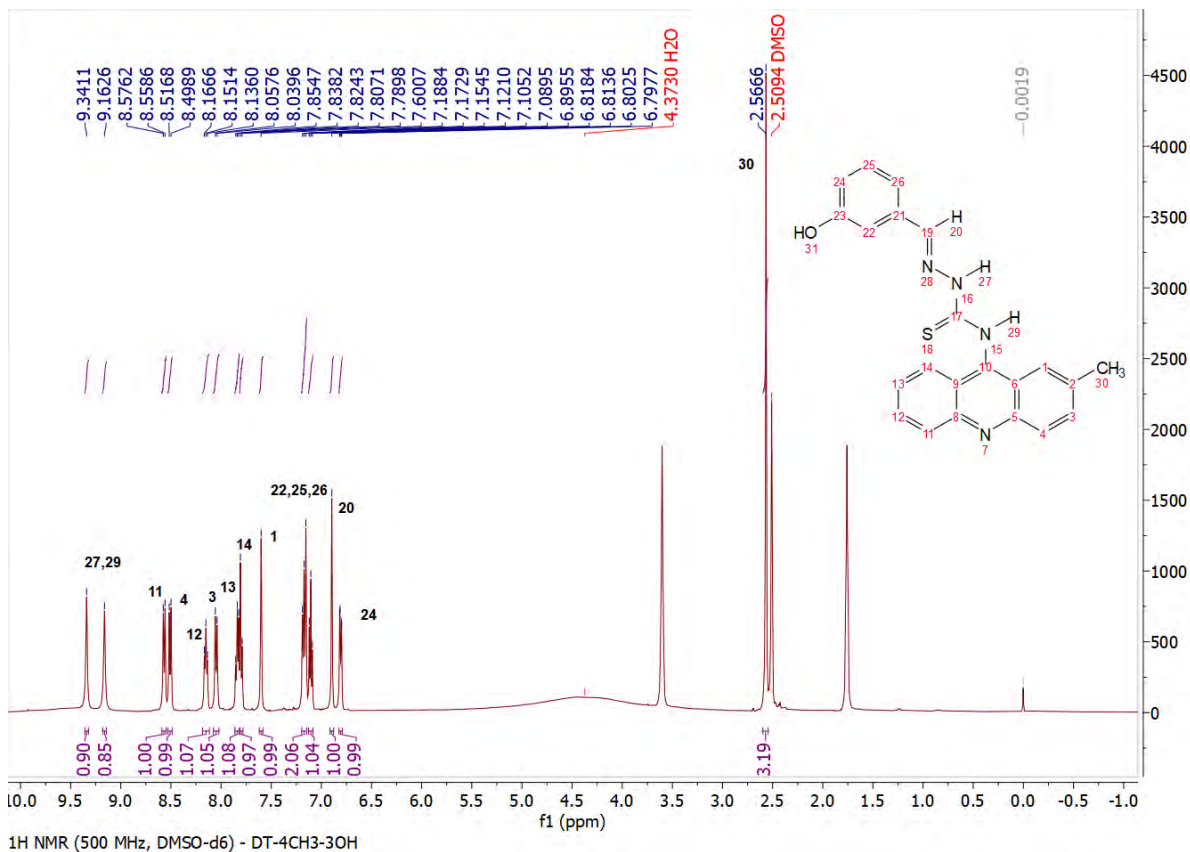


Figura S100. Espectro de RMN <sup>1</sup>H do DT-4CH<sub>3</sub>-3OH.

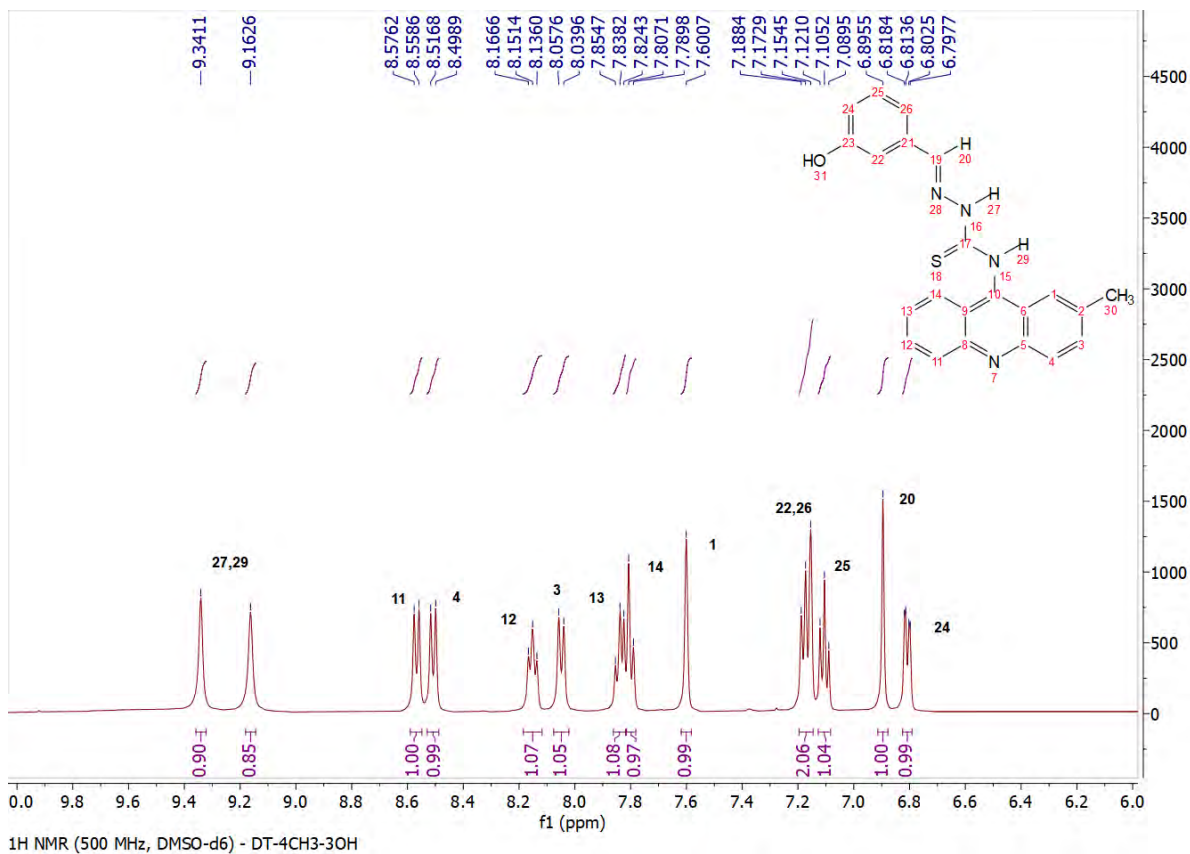


Figura S101. Expansão do espectro de RMN <sup>1</sup>H do DT-4CH<sub>3</sub>-3OH.

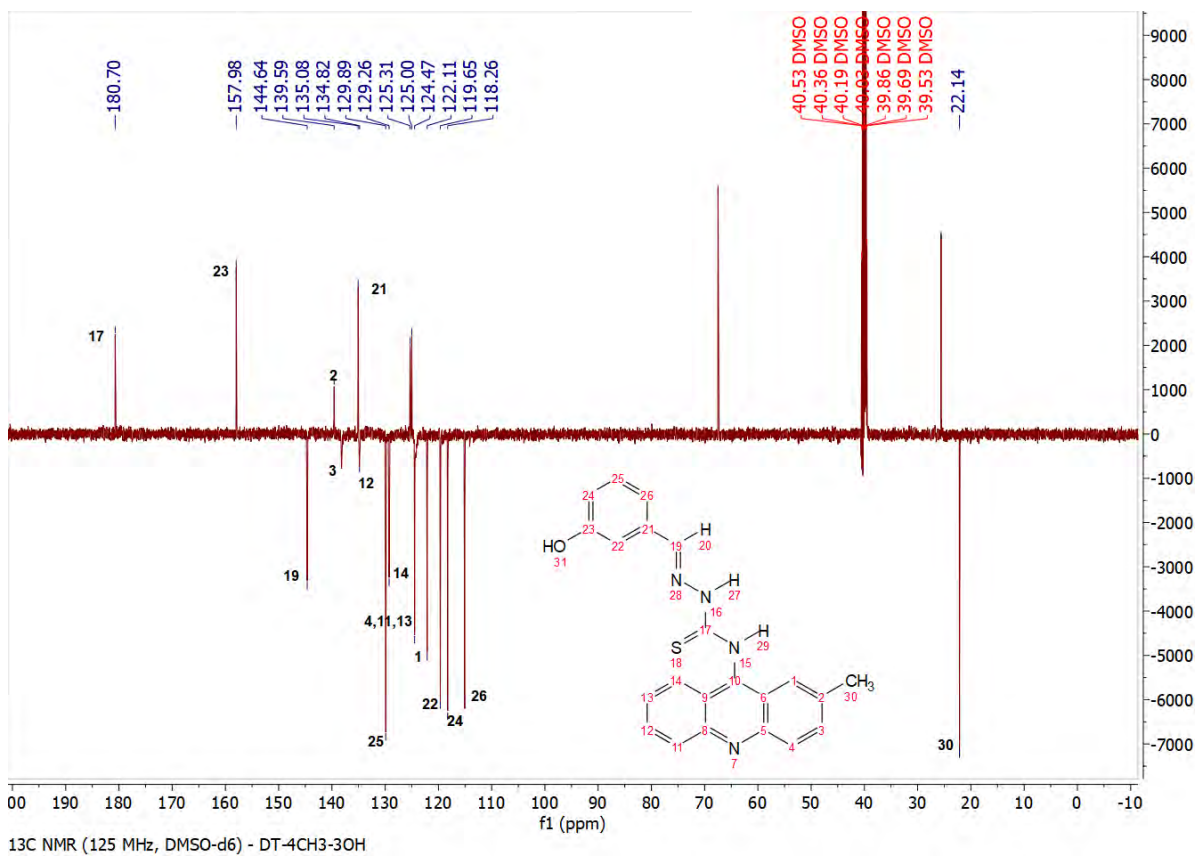


Figura S102. Espectro de RMN  $^{13}\text{C}$  do DT-4CH<sub>3</sub>-3OH.

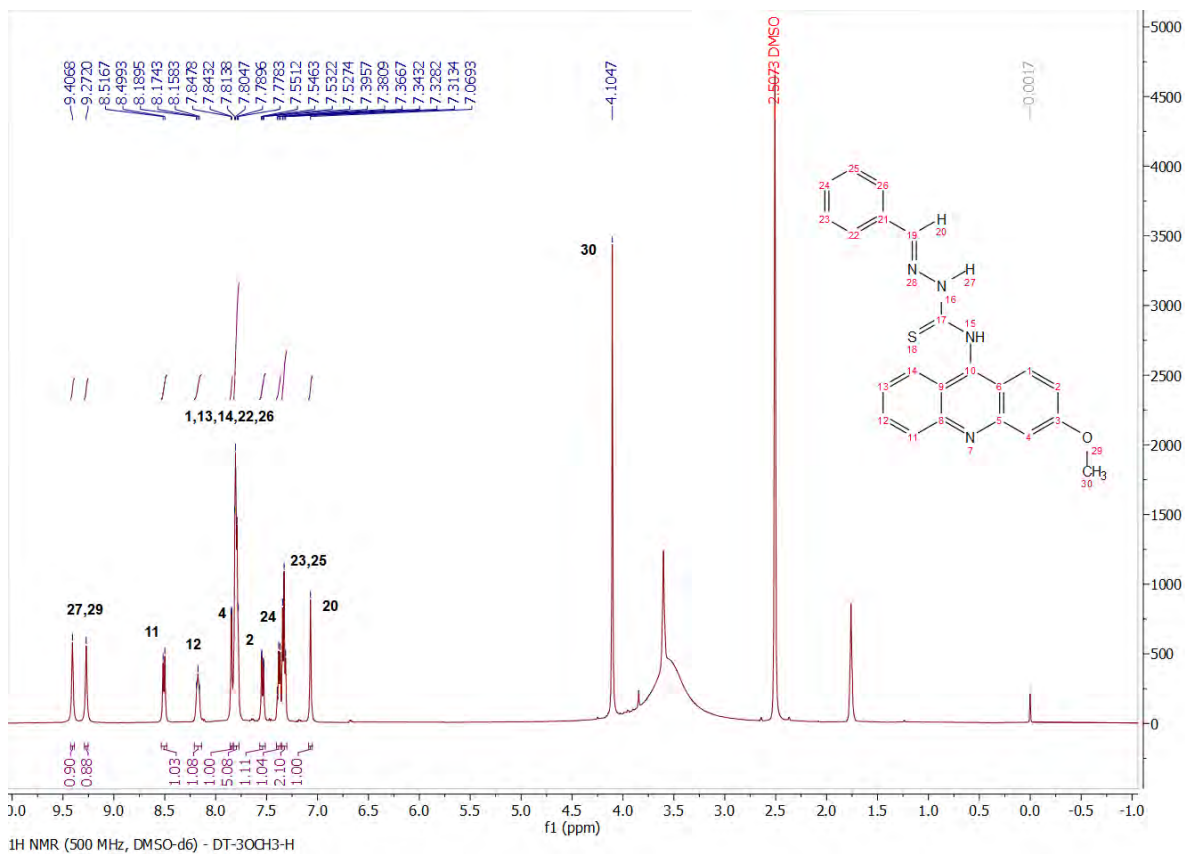


Figura S103. Espectro de RMN  $^1\text{H}$  do DT-3OCH<sub>3</sub>-H.

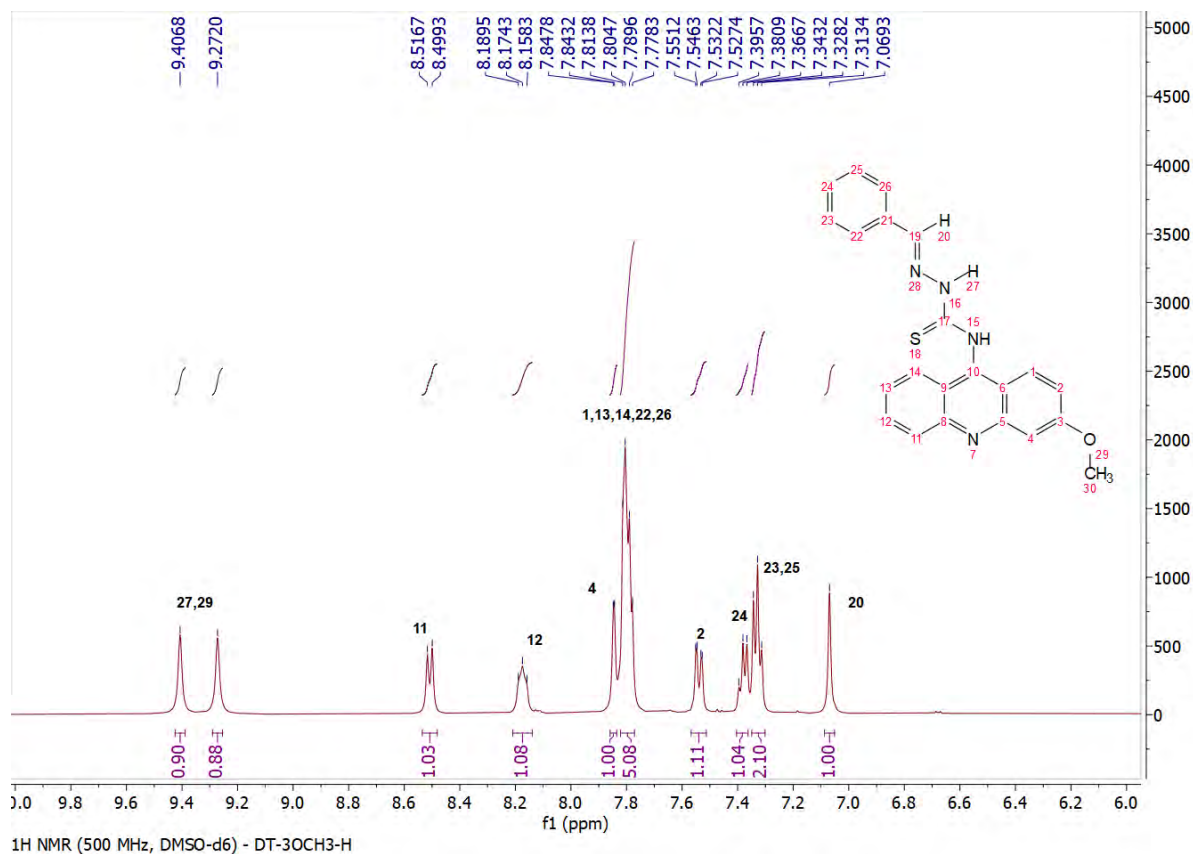


Figura S104. Expansão do espectro de RMN <sup>1</sup>H do DT-3OCH<sub>3</sub>-H.

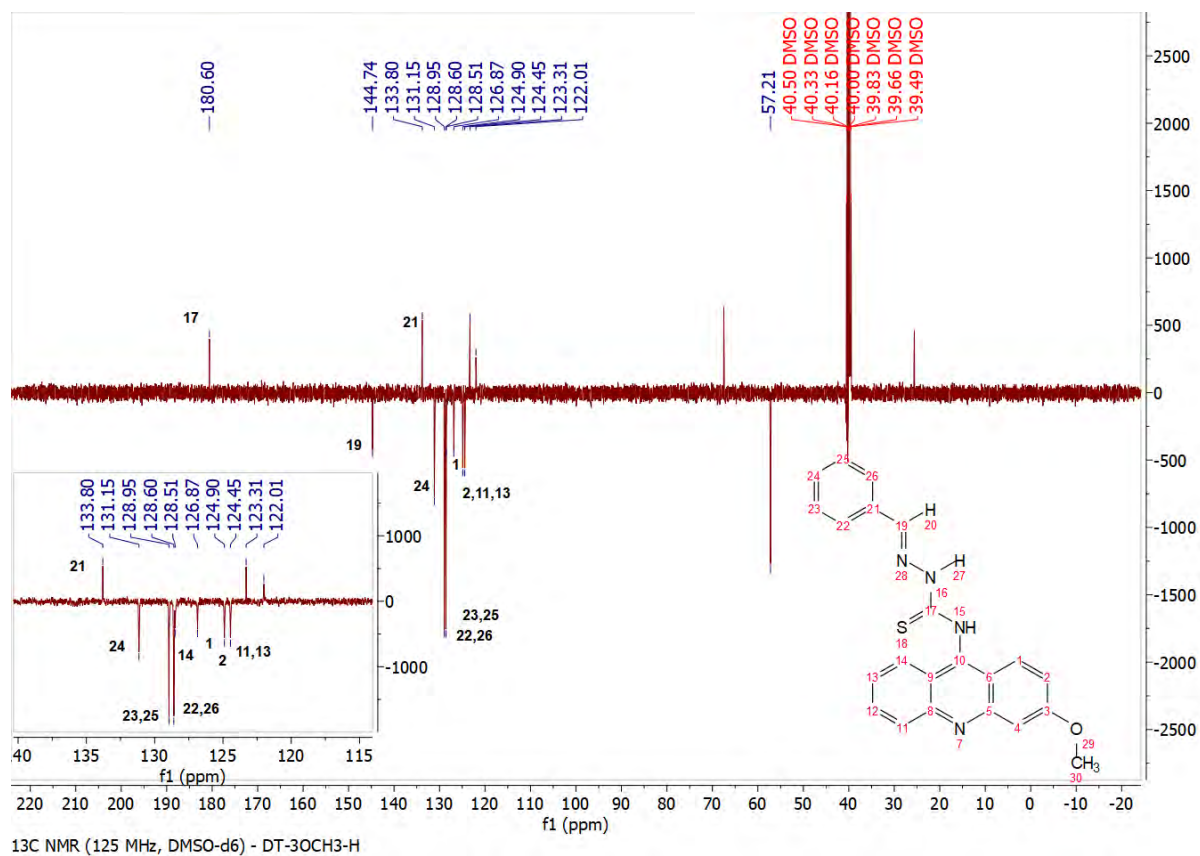


Figura S105. Espectro de RMN <sup>13</sup>C do DT-3OCH<sub>3</sub>-H.

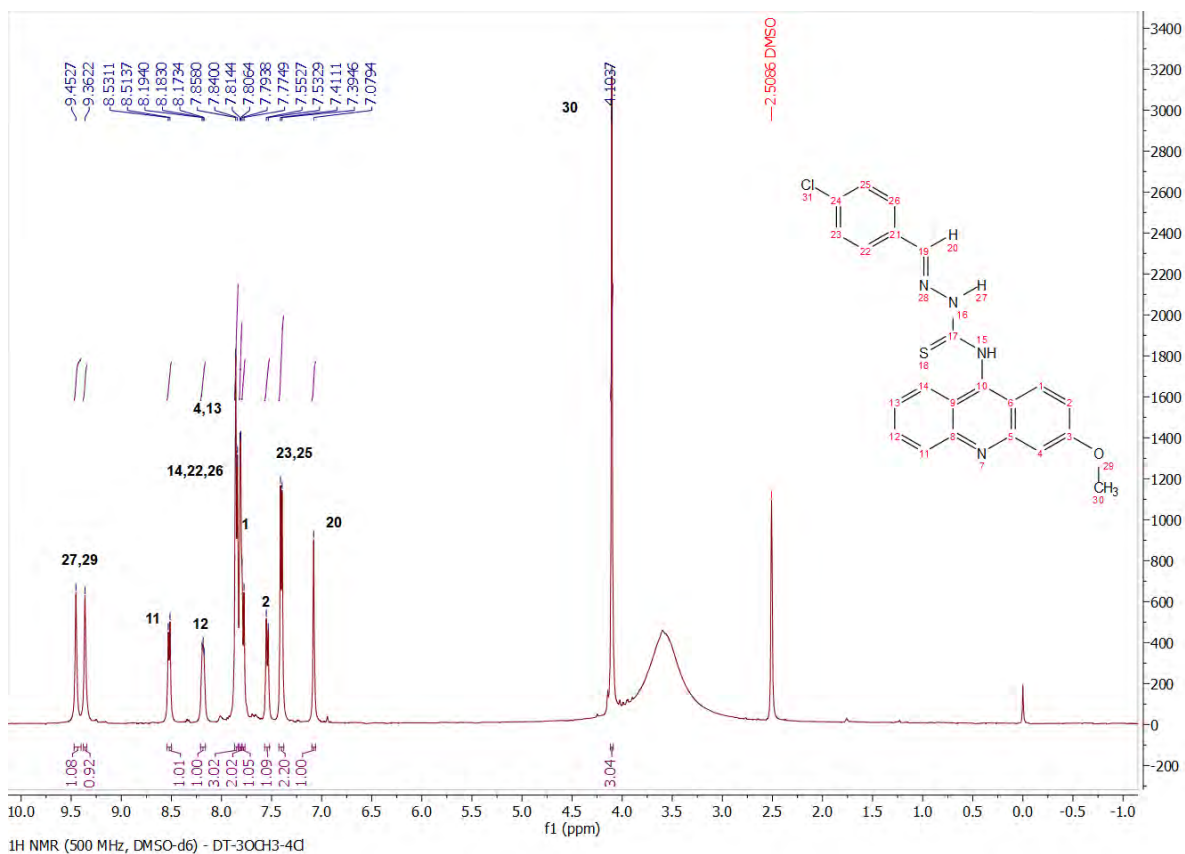


Figura S106. Espectro de RMN <sup>1</sup>H do DT-3OCH<sub>3</sub>-4Cl.

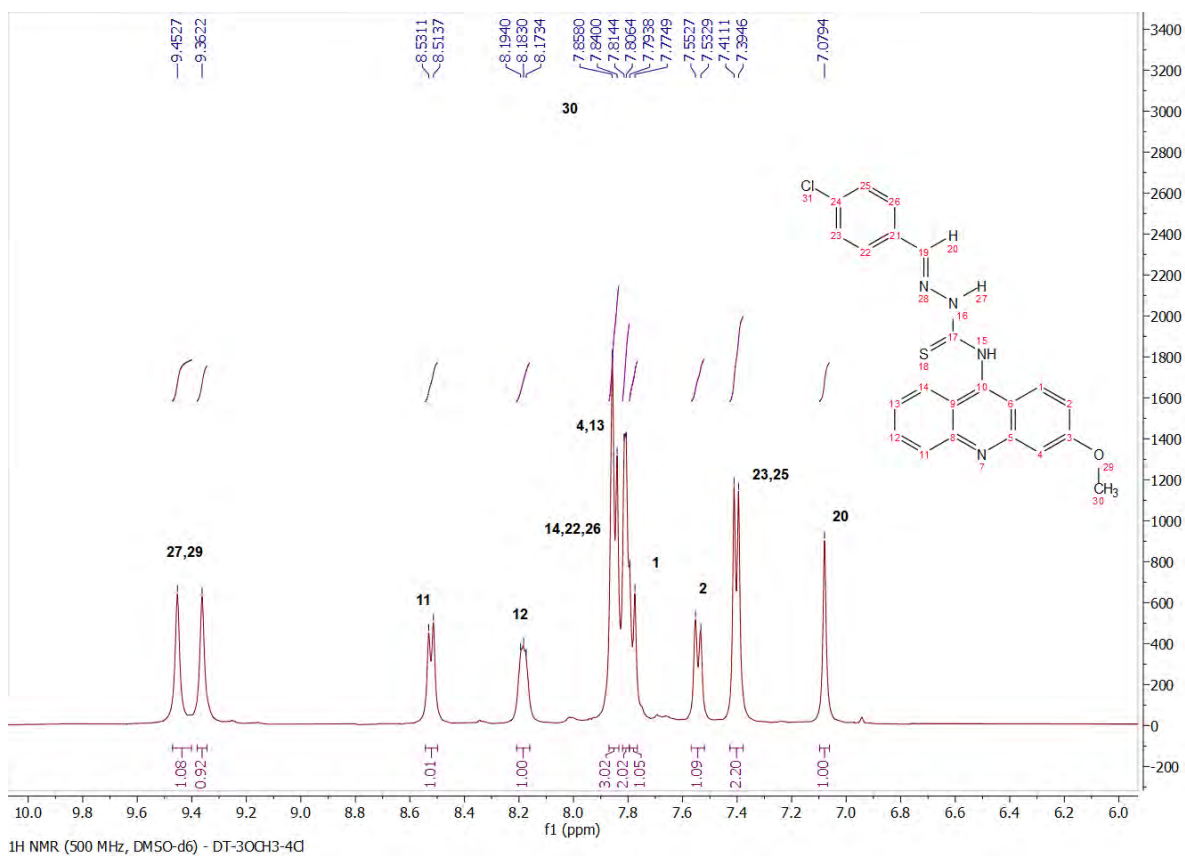


Figura S107. Expansão do espectro de RMN <sup>1</sup>H do DT-3OCH<sub>3</sub>-4Cl.

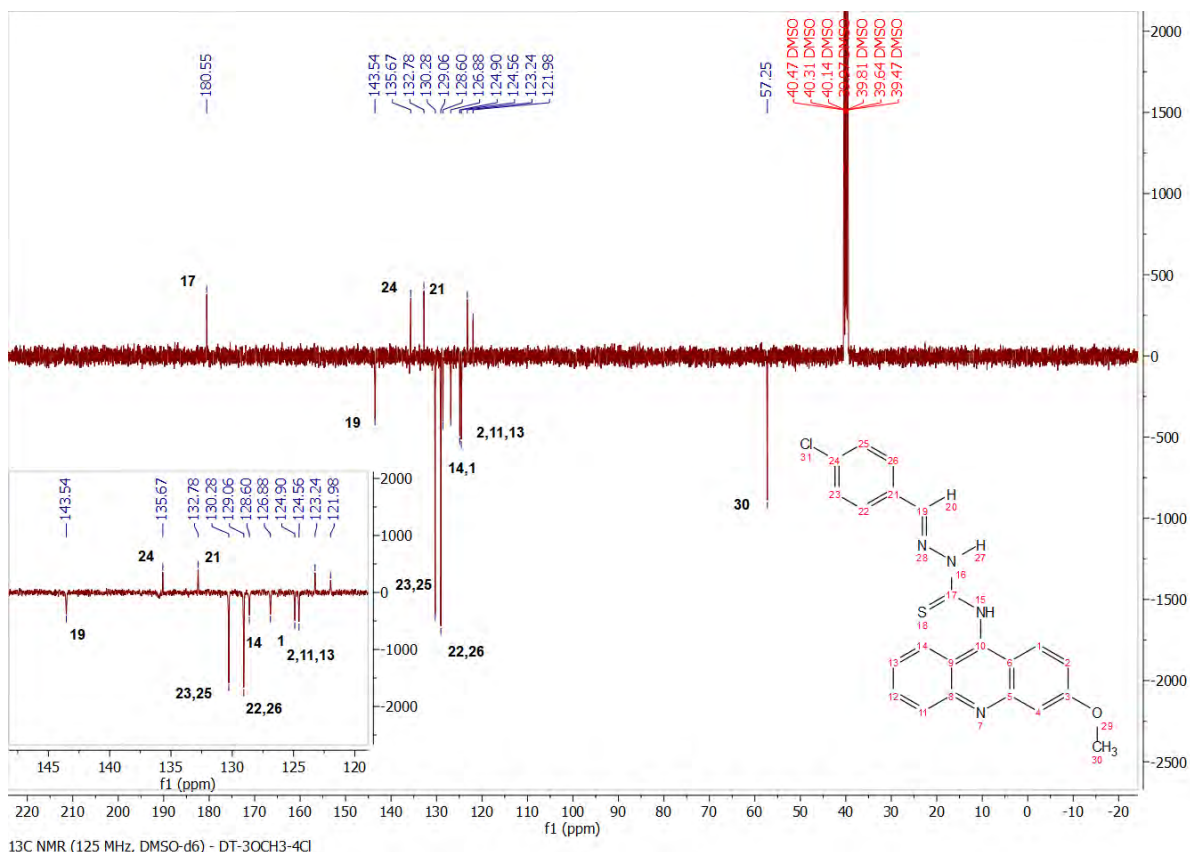


Figura S108. Espectro de RMN <sup>13</sup>C do DT-3OCH<sub>3</sub>-4Cl.

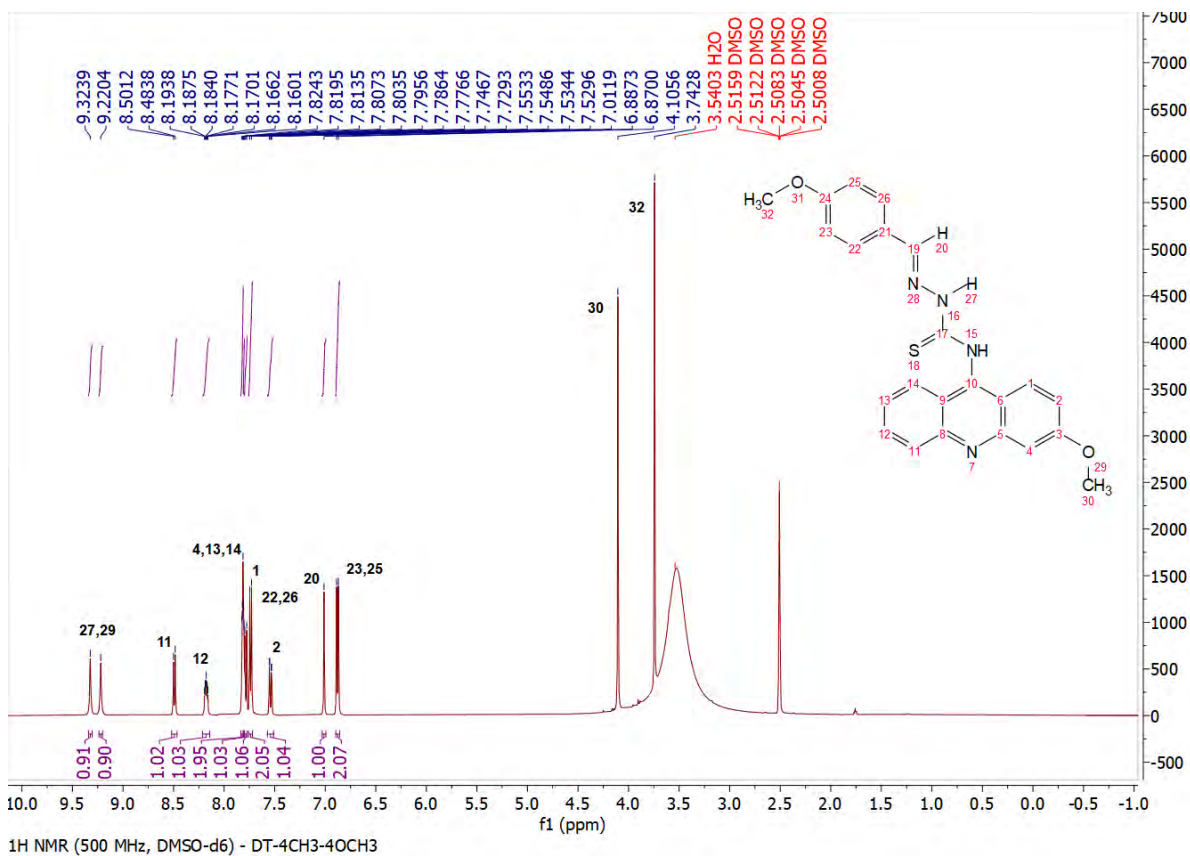


Figura S109. Espectro de RMN <sup>1</sup>H do DT-3OCH<sub>3</sub>-4OCH<sub>3</sub>.

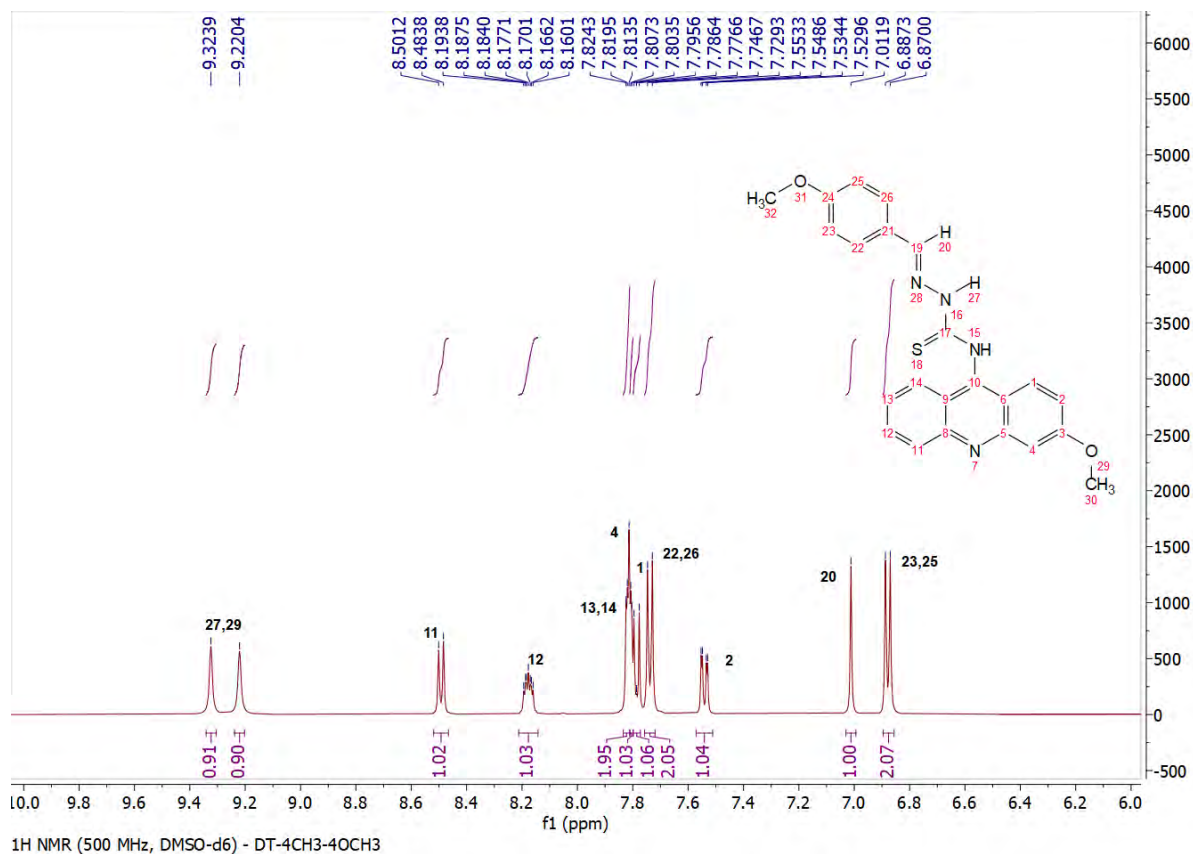


Figura S110. Expansão do espectro de RMN <sup>1</sup>H do DT-3OCH<sub>3</sub>-4OCH<sub>3</sub>.

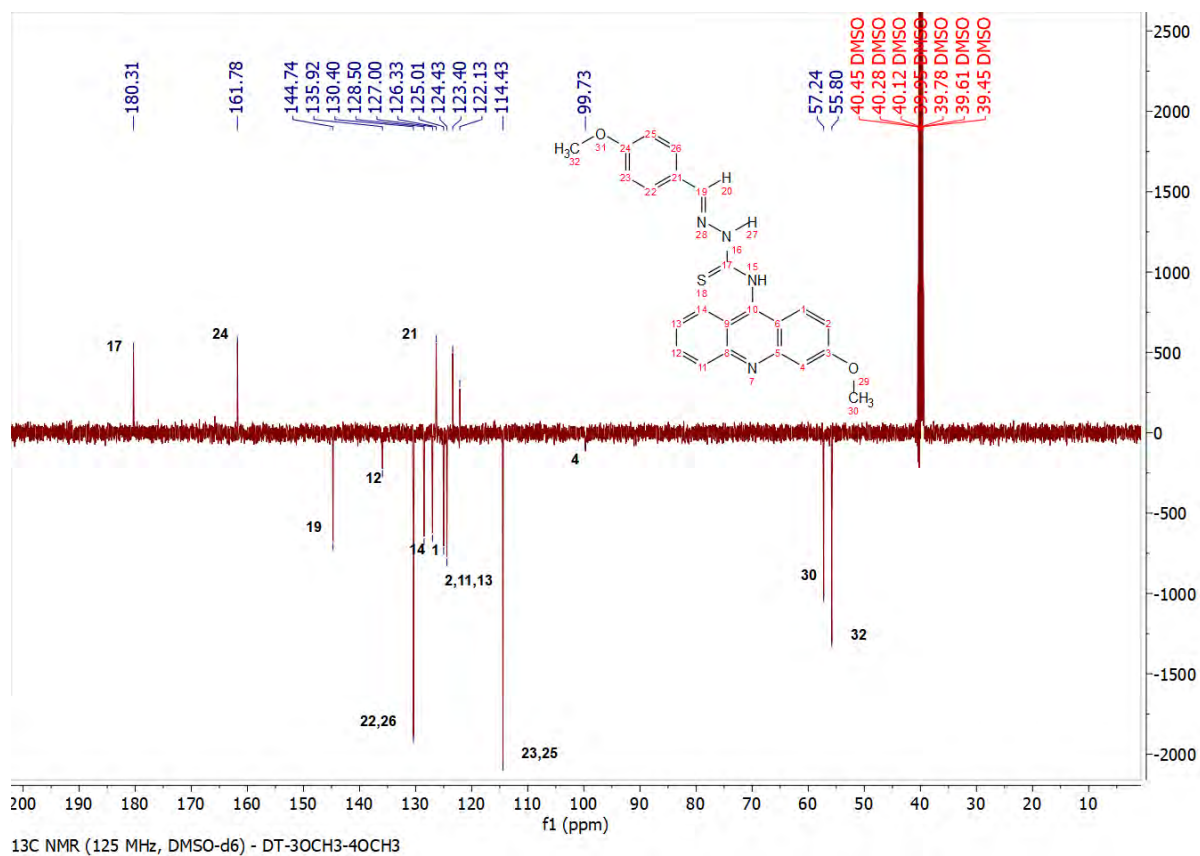


Figura S111. Espectro de RMN <sup>13</sup>C do DT-3OCH<sub>3</sub>-4OCH<sub>3</sub>.



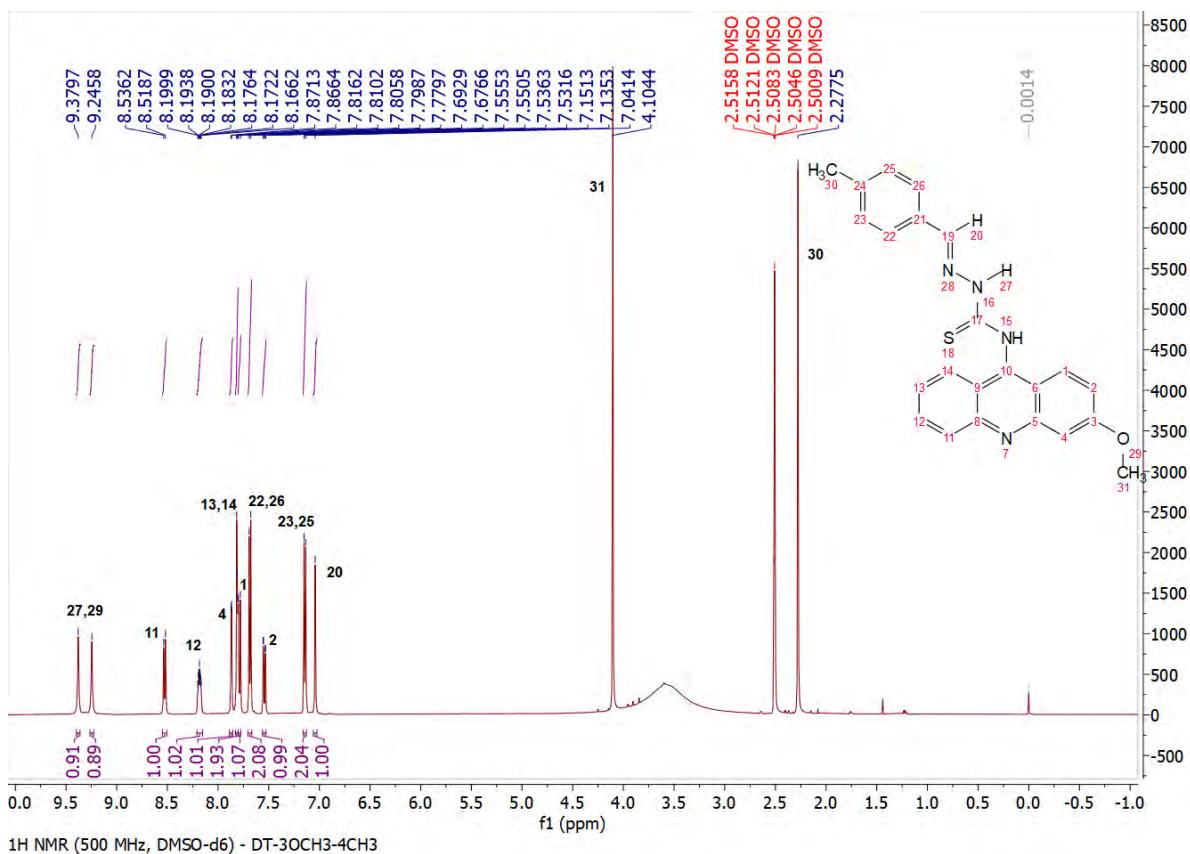


Figura S112. Espectro de RMN <sup>1</sup>H do DT-3OCH<sub>3</sub>-4CH<sub>3</sub>.

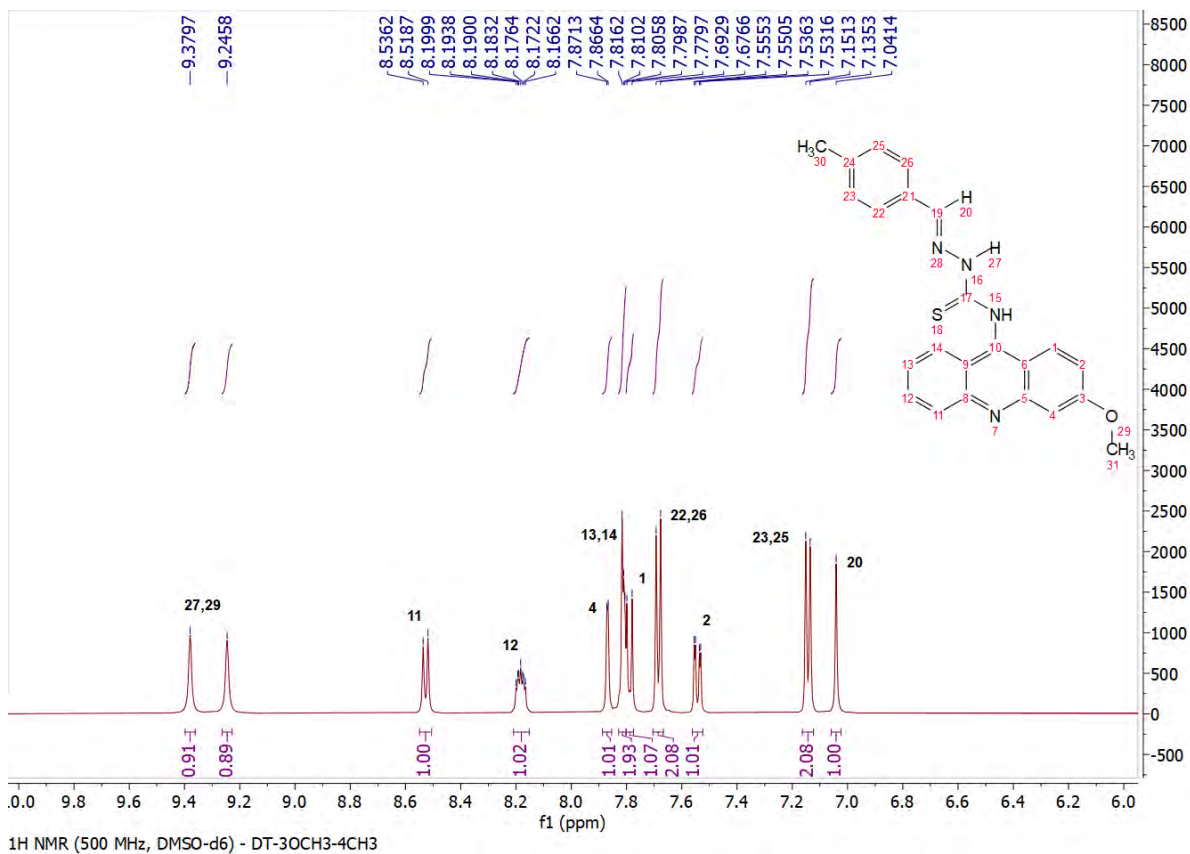


Figura S113. Expansão do espectro de RMN <sup>1</sup>H do DT-3OCH<sub>3</sub>-4CH<sub>3</sub>.

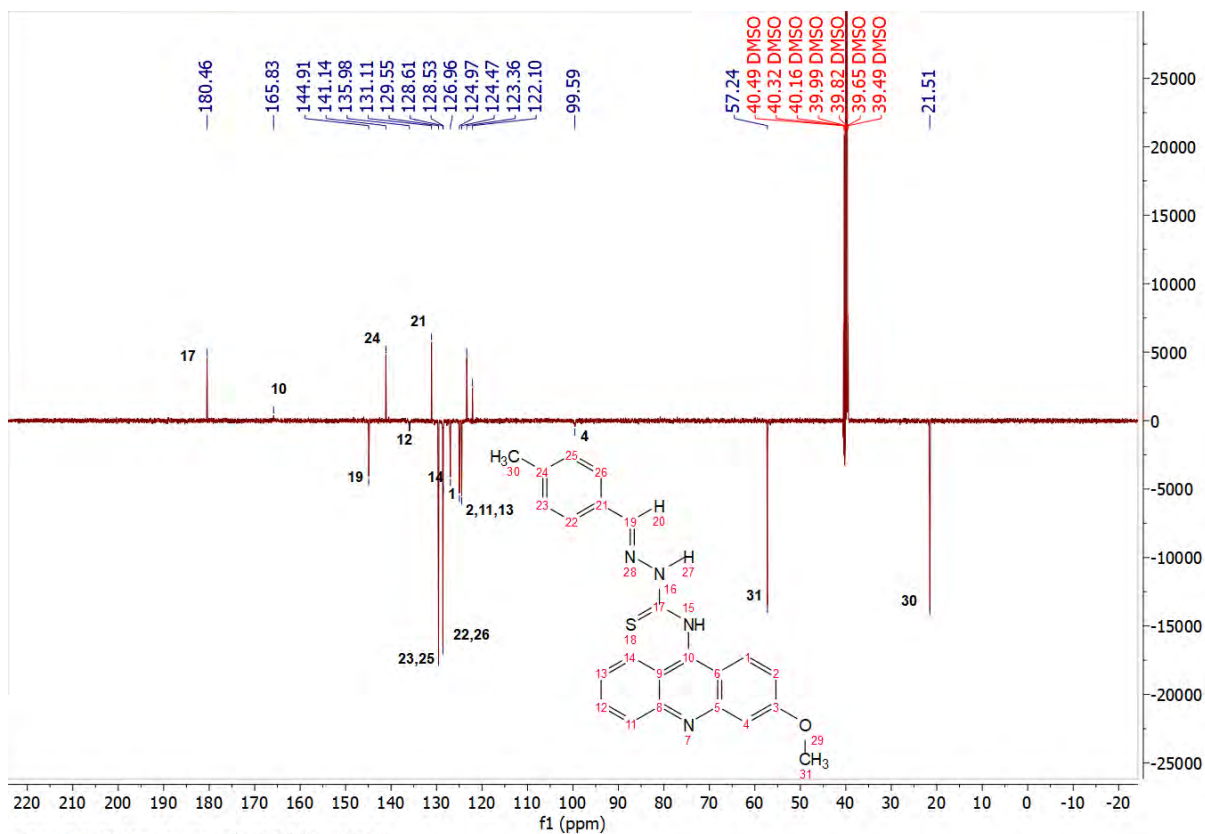


Figura S114. Espectro de RMN <sup>13</sup>C do DT-3OCH<sub>3</sub>-4CH<sub>3</sub>.

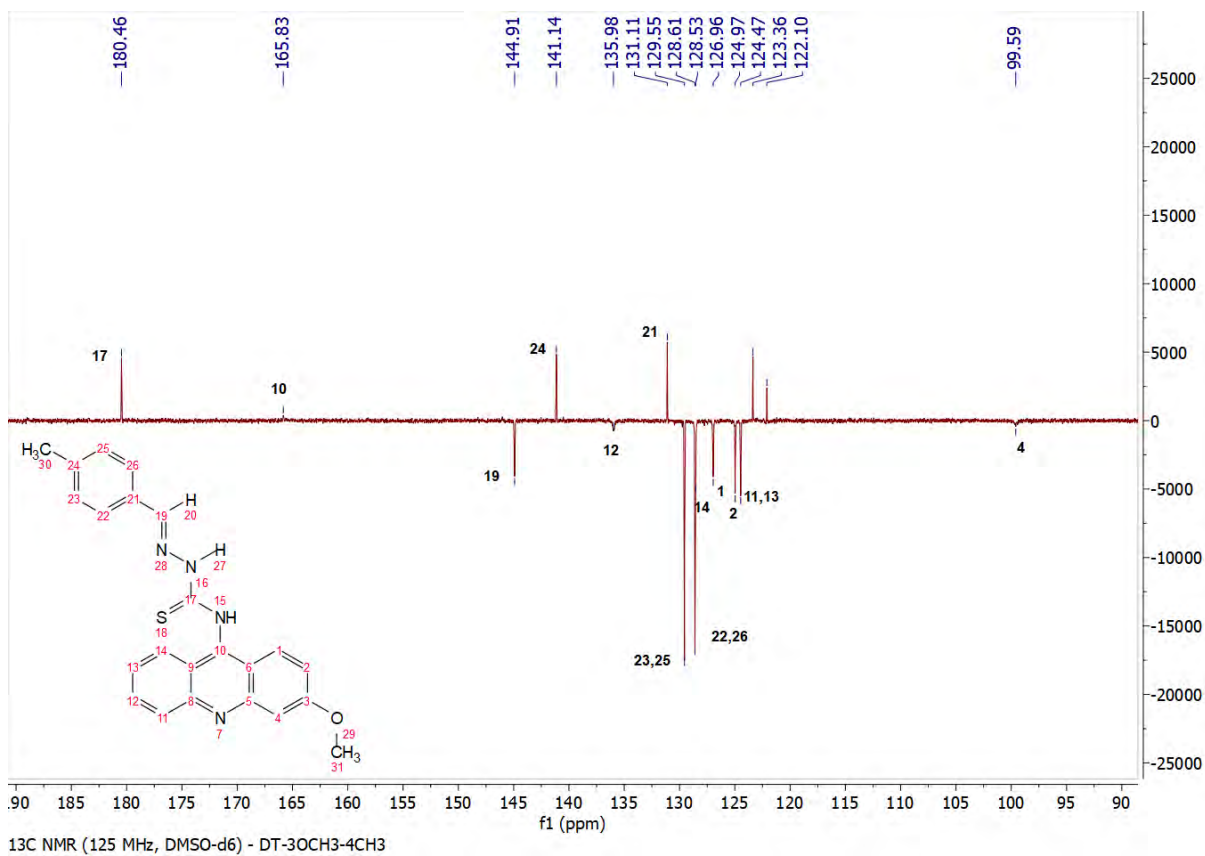
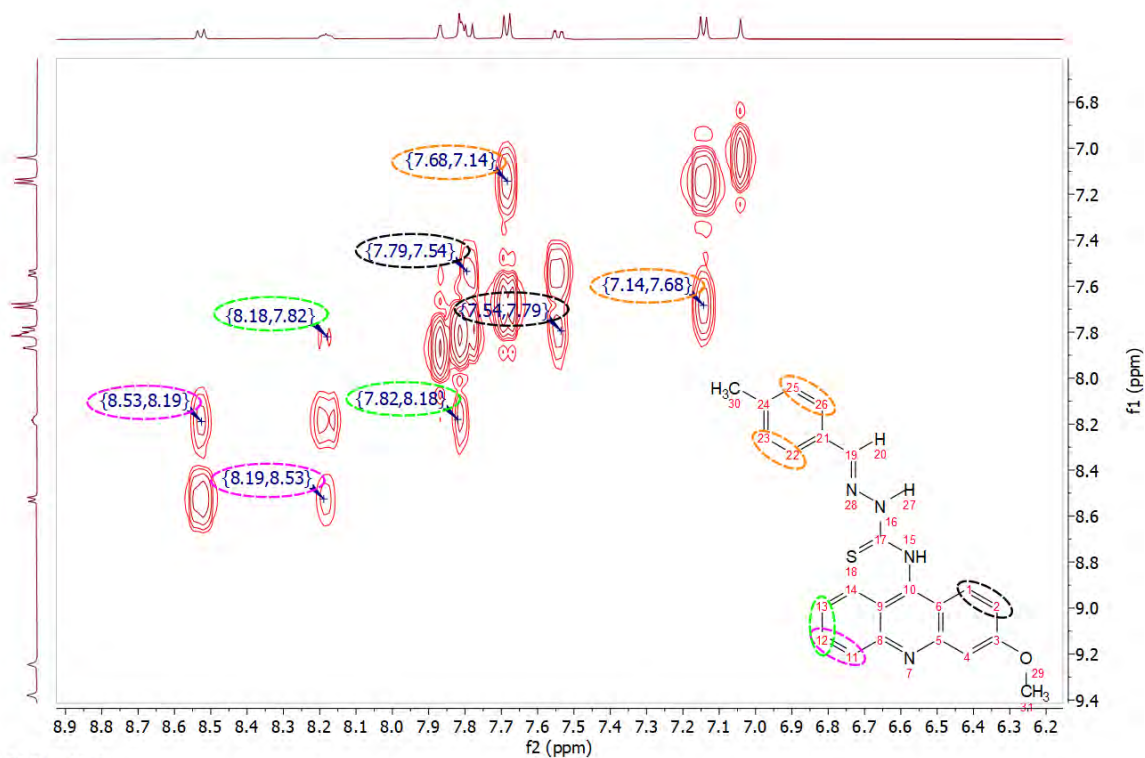
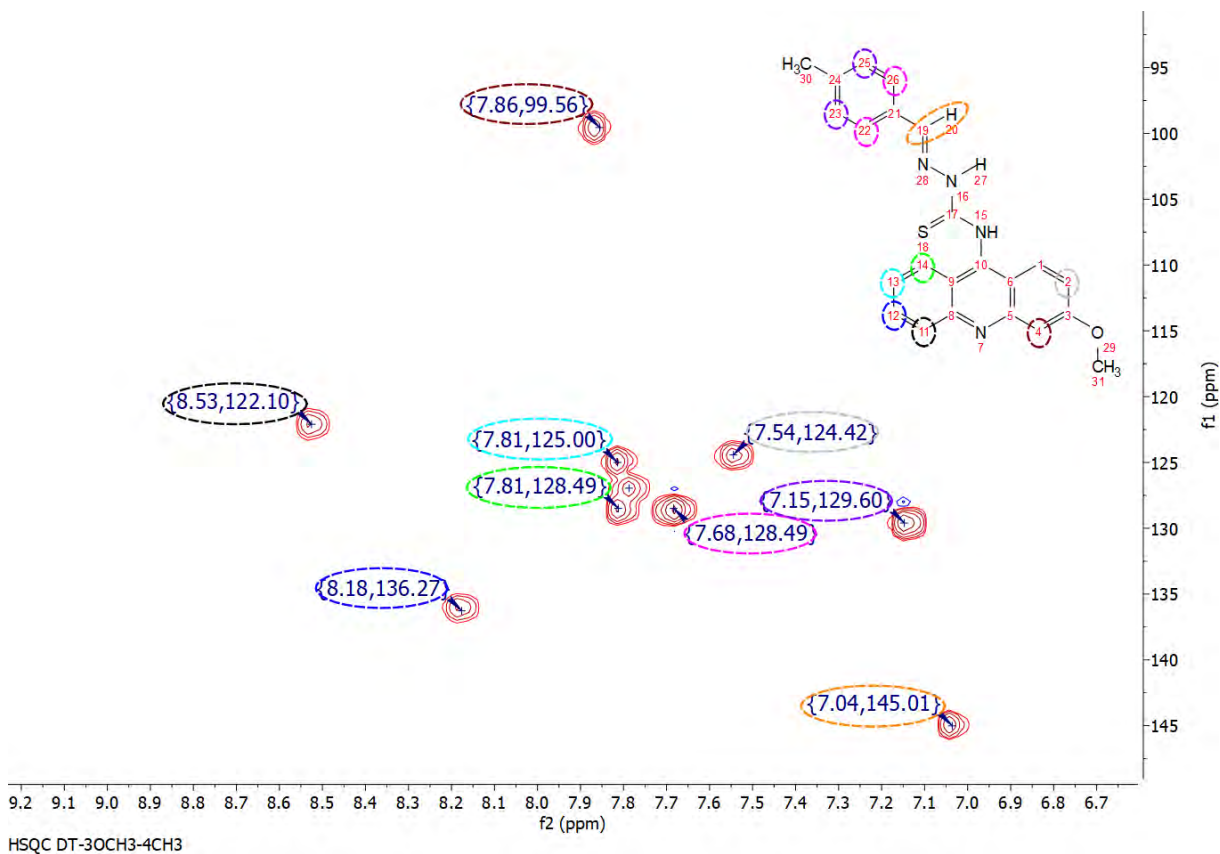


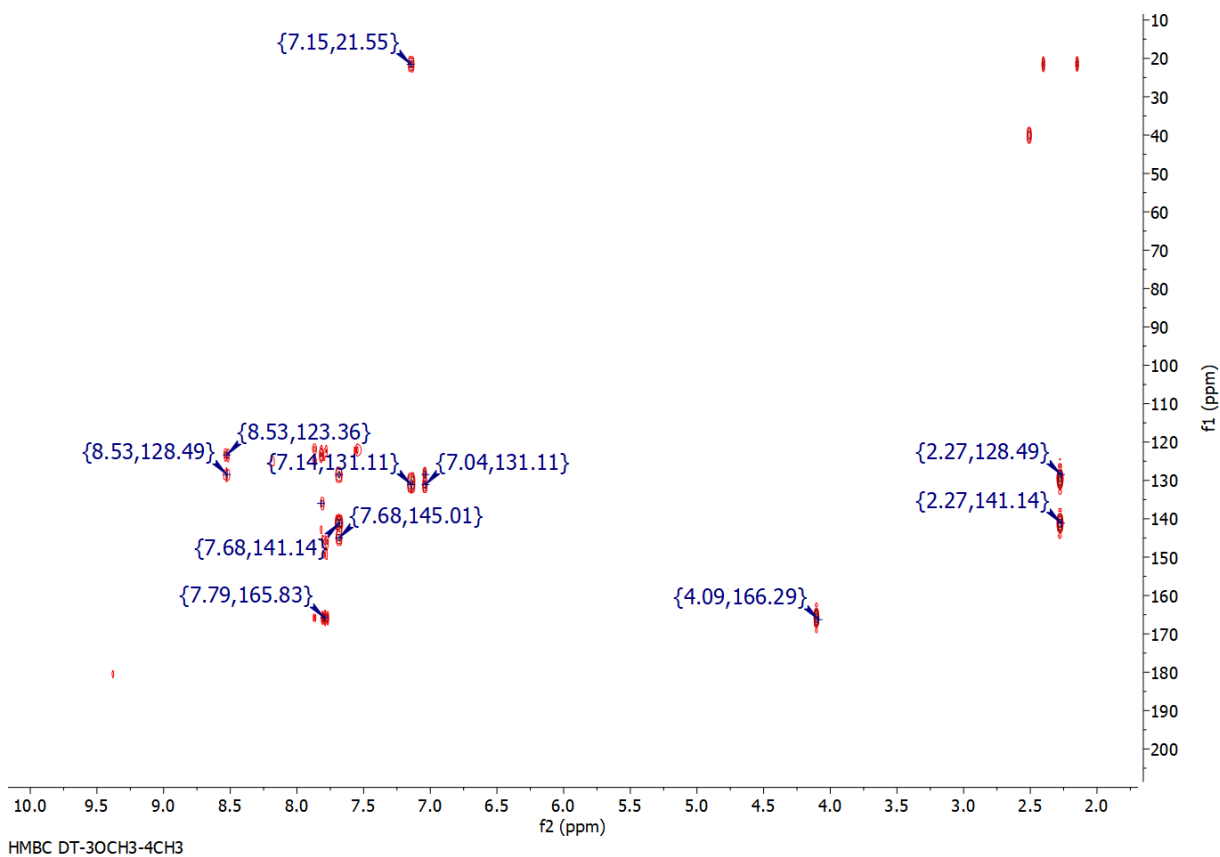
Figura S115. Expansão do espectro de RMN <sup>13</sup>C do DT-3OCH<sub>3</sub>-4CH<sub>3</sub>.



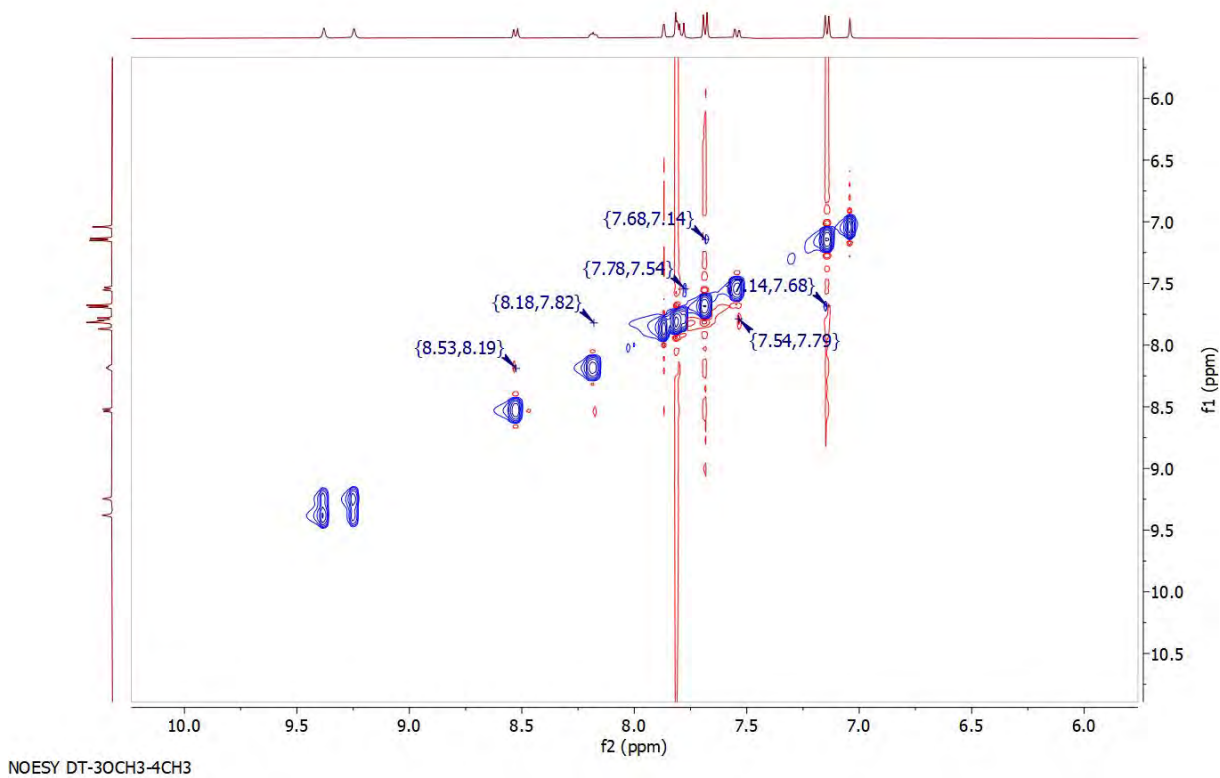
**Figura S116.** Espectro de correlação COSY do DT-3OCH<sub>3</sub>-4CH<sub>3</sub>.



**Figura S117.** Espectro de correlação HSQC do DT-3OCH<sub>3</sub>-4CH<sub>3</sub>.



**Figura S118.** Espectro de correlação HMBC do DT-3OCH<sub>3</sub>-4CH<sub>3</sub>.



**Figura S119.** Espectro de correlação NOESY do DT-3OCH<sub>3</sub>-4CH<sub>3</sub>.

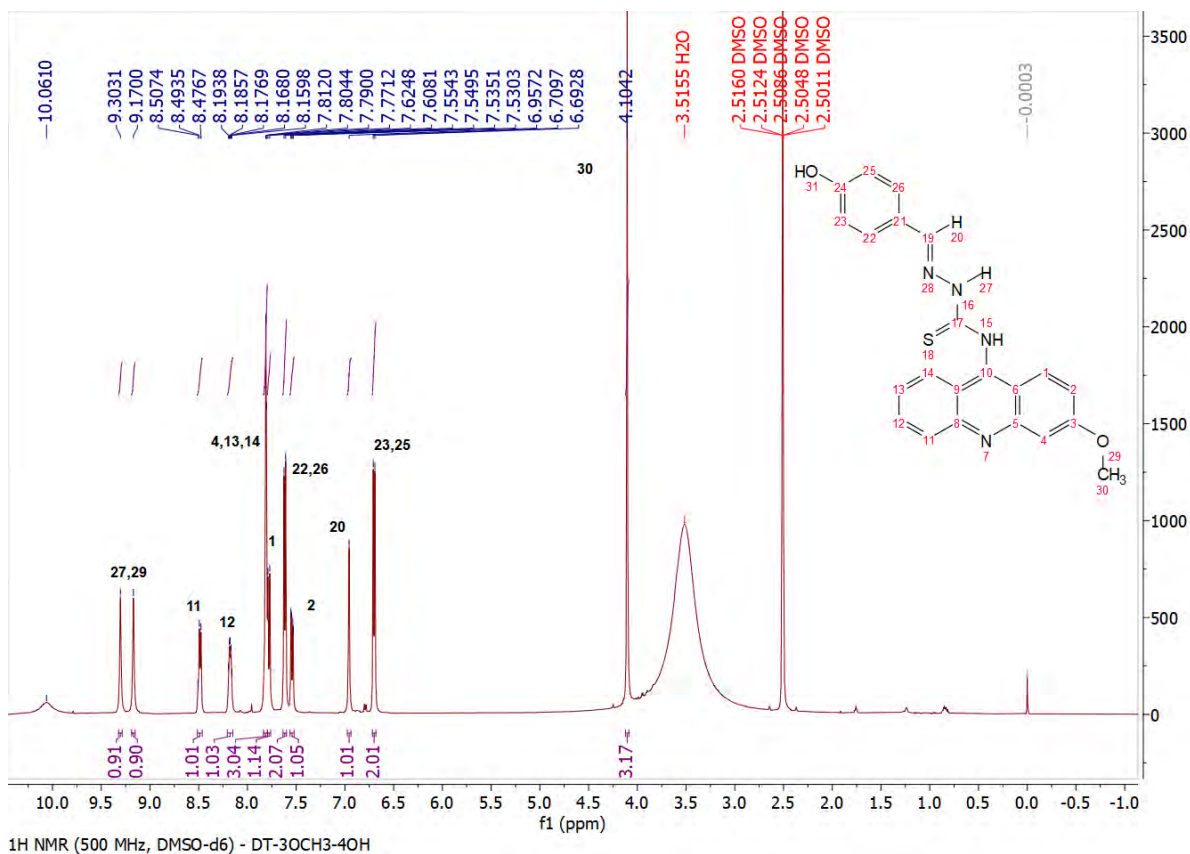


Figura S120. Espectro de RMN <sup>1</sup>H do DT-3OCH<sub>3</sub>-4OH.

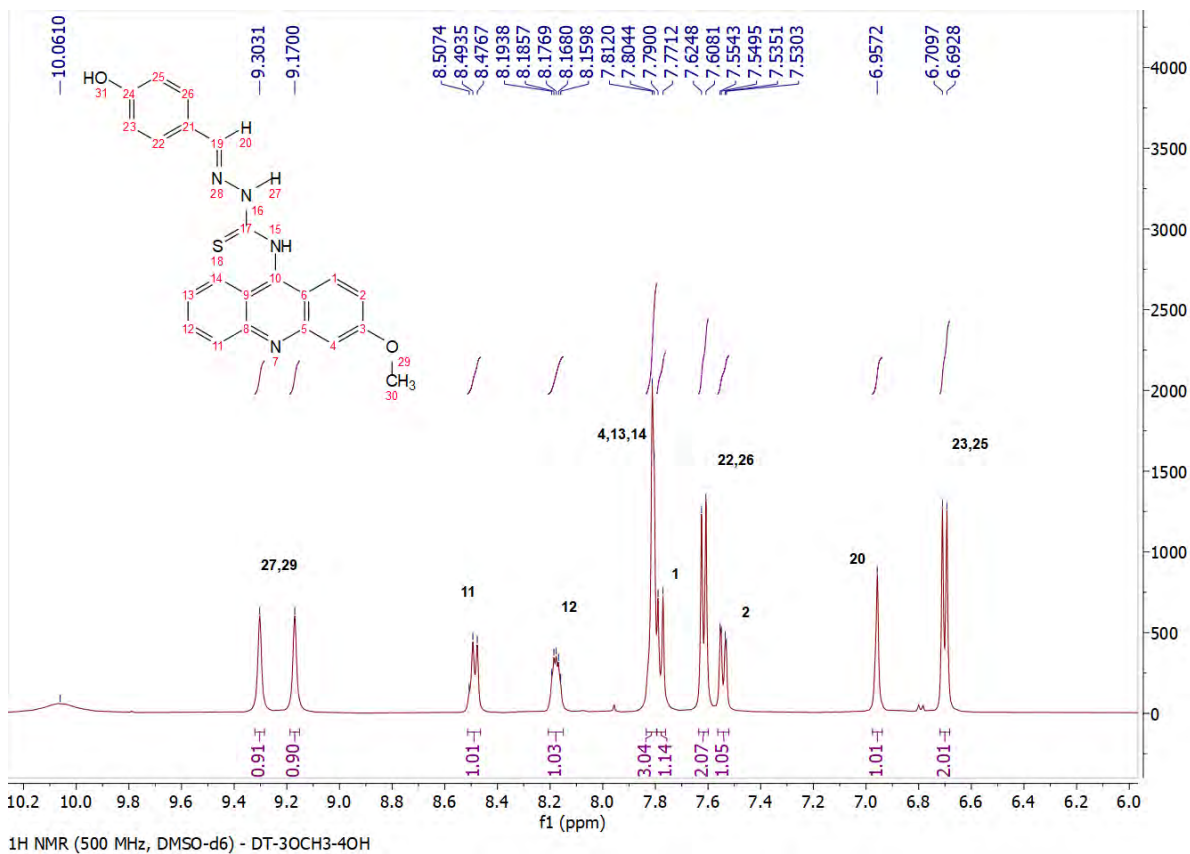


Figura S121. Expansão do espectro de RMN <sup>1</sup>H do DT-3OCH<sub>3</sub>-4OH.

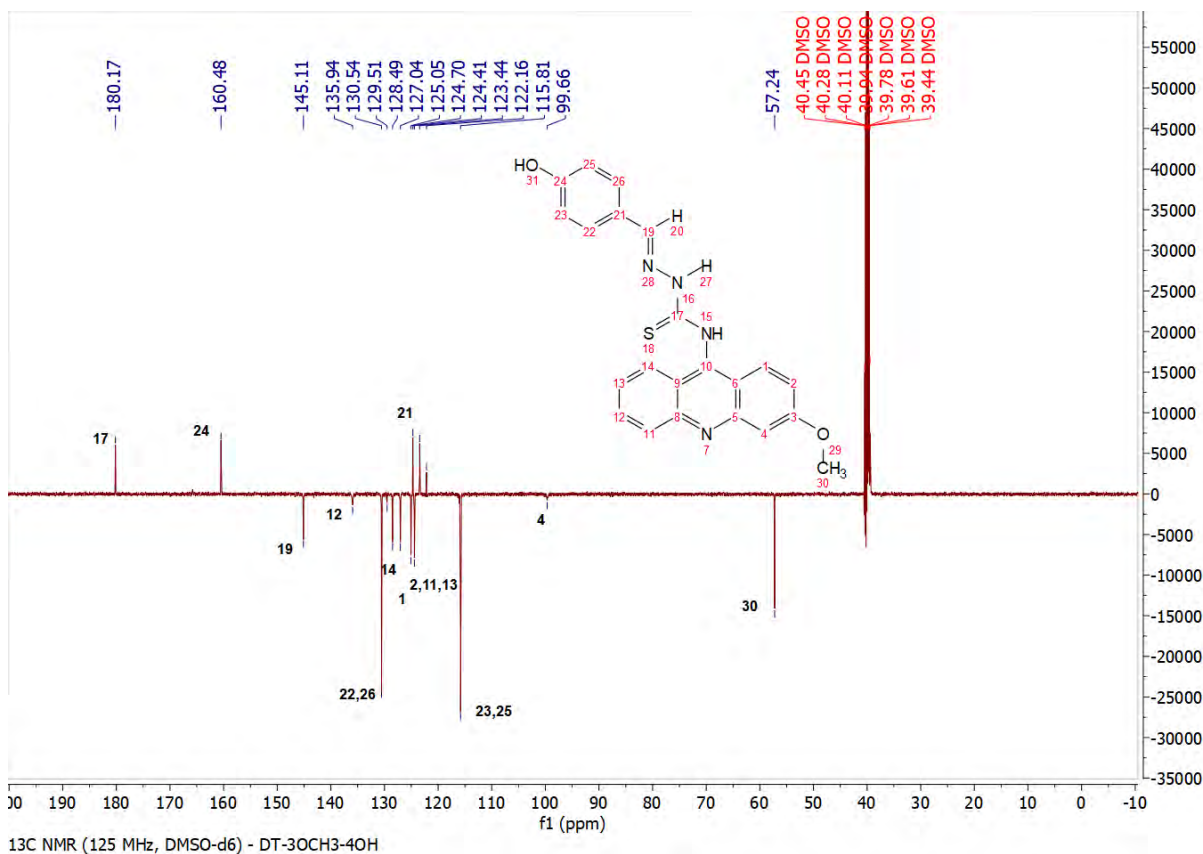


Figura S122. Espectro de RMN <sup>13</sup>C do DT-3OCH<sub>3</sub>-4OH.

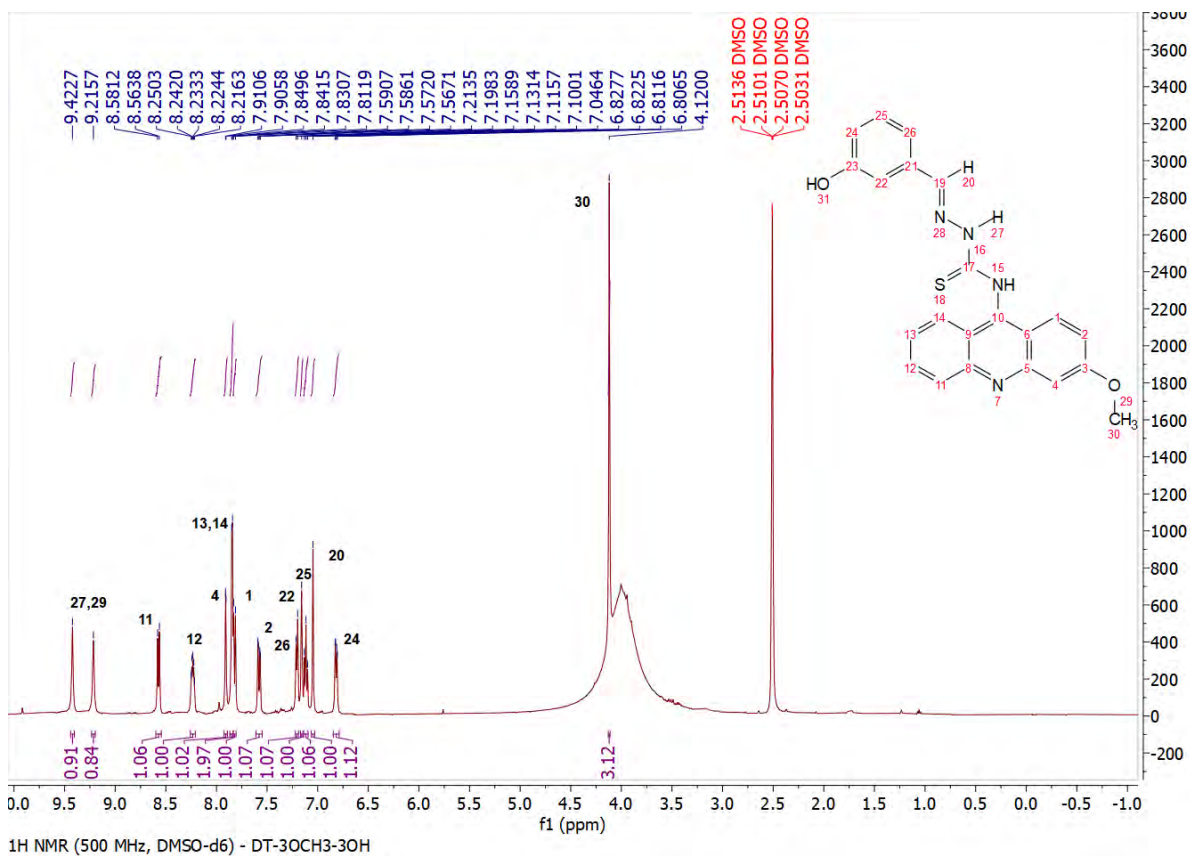


Figura S123. Espectro de RMN <sup>1</sup>H do DT-3OCH<sub>3</sub>-3OH.

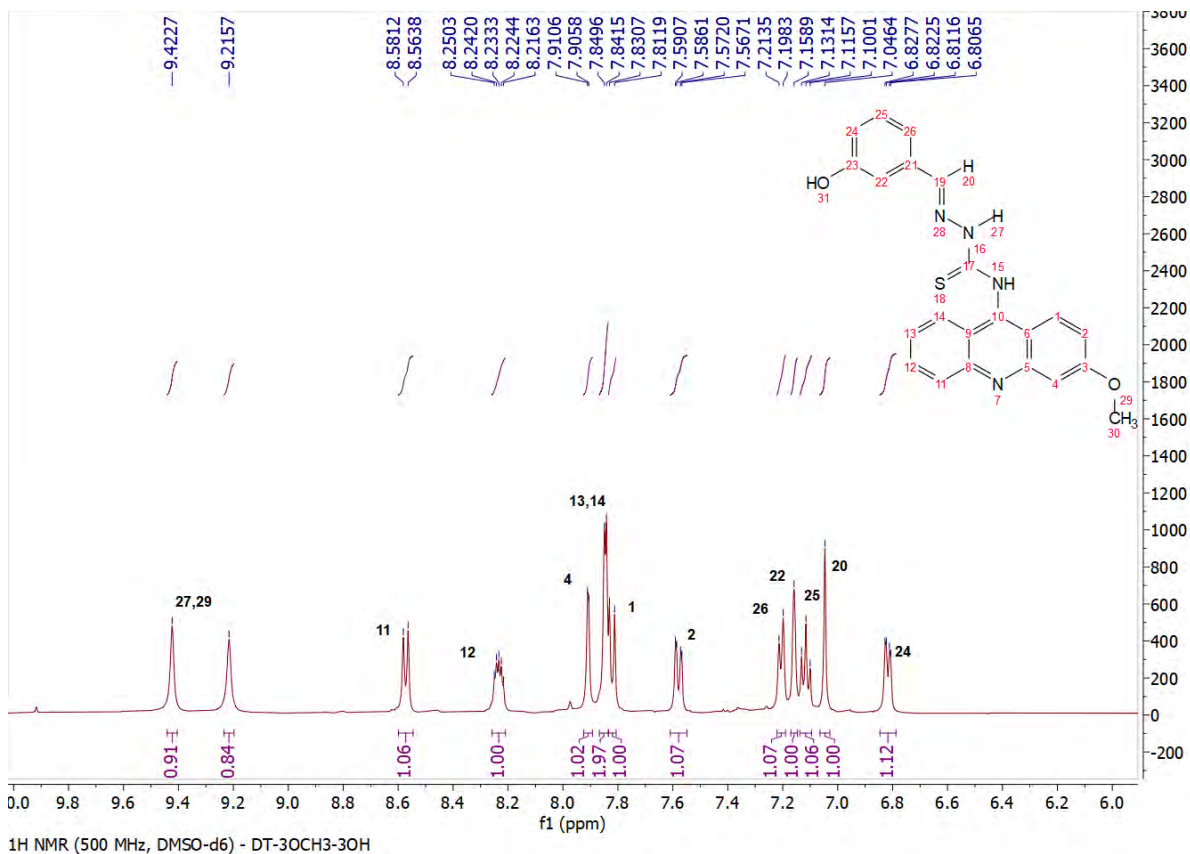


Figura S124. Expansão do espectro de RMN <sup>1</sup>H do DT-3OCH<sub>3</sub>-3OH.

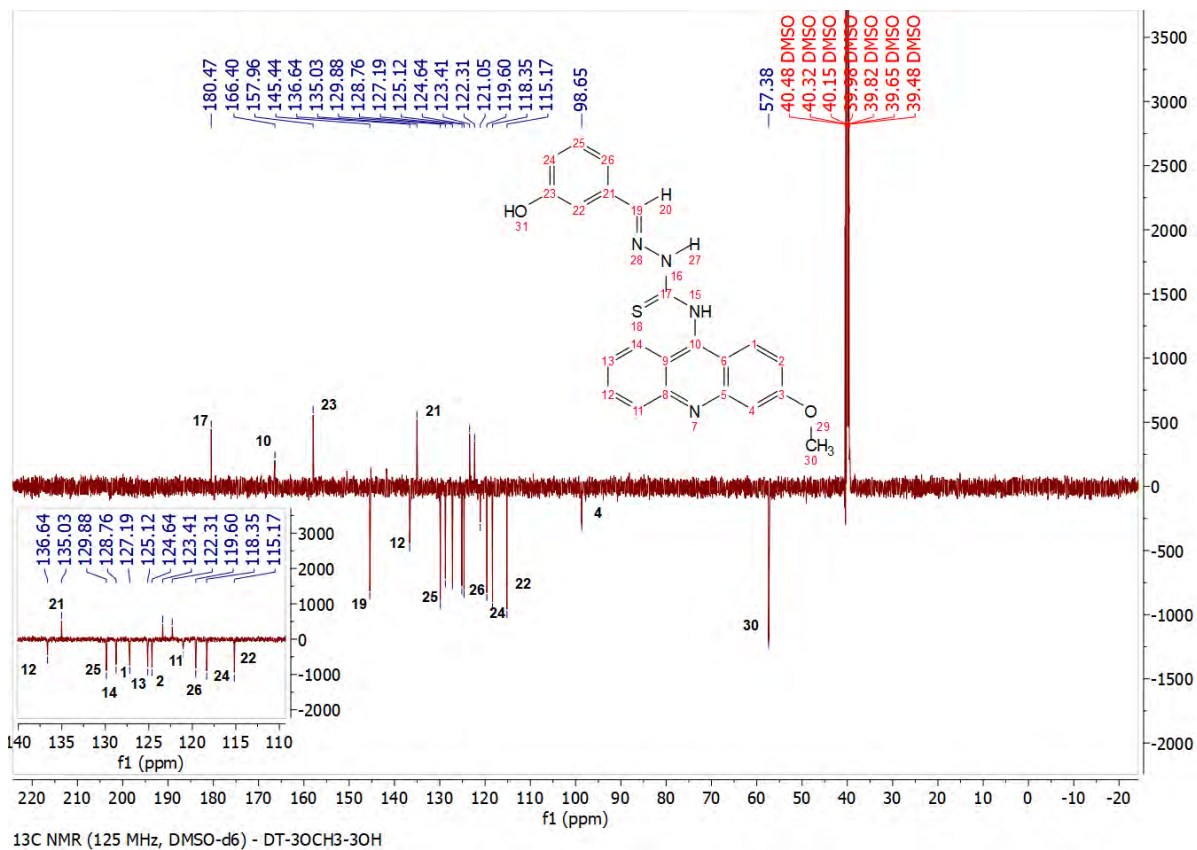


Figura S125. Espectro de RMN <sup>13</sup>C do DT-3OCH<sub>3</sub>-3OH.

**Tabela S4.** Efeitos de derivados de acridinas em animais submetidos a estudo de toxicidade aguda.

Estudo de toxicidade	DA/TA	Mortalidade (%)	Sinais de toxicidade
<b>DT-3OCH<sub>3</sub>-4OH</b>	0/3	0	Consumo de ração reduzido
NC	0/3	0	Nenhum

Grupo controle (NC), animais mortos (DA), total de animais (TA).

**Tabela S5.** Massa absoluta e relativa de órgãos de animais tratados com derivados de acridina após um estudo de toxicidade aguda.

Compostos	Órgãos				
	Fígado (g)	Pulmão(g)	Baço(g)	Coração(g)	Rins (g)
<b>DT-3OCH<sub>3</sub>-4OH</b>	5,257±0,610 <sup>a</sup>	0,640±0,057 <sup>b</sup>	0,551±0,037 <sup>c</sup>	0,410±0,039 <sup>d</sup>	1,338±0,091 <sup>e</sup>
NC	4,959±0,191 <sup>a</sup>	0,628±0,027 <sup>b</sup>	0,408±0,037 <sup>c</sup>	0,409±0,040 <sup>d</sup>	1,284±0,040 <sup>e</sup>

Grupo controle (NC). Na mesma categoria e tratamento, as médias seguidas de letras desiguais, diferem estatisticamente entre si pelo teste *T de Student* ( $p < 0.05$ ), em relação aos grupos tratado e controle.

**Tabela S6.** Massa relativa aos animais tratados com derivados de acridina após um estudo de toxicidade aguda.

Compostos	Dados fisiológicos		
	Consumo de ração (g)	Consumo de água (mL)	Ganho de peso (g)
<b>DT-3OCH<sub>3</sub>-4OH</b>	13,78±1,18 <sup>a</sup>	22,78±1,05 <sup>c</sup>	1,00±0 <sup>d</sup>
NC	18,64±3,52 <sup>b</sup>	23,14±1,51 <sup>c</sup>	1,00±0 <sup>d</sup>

Grupo controle (NC). Na mesma categoria e tratamento, as médias seguidas de letras desiguais, diferem estatisticamente entre si pelo teste *T de Student* ( $p < 0.05$ ), em relação aos grupos tratado e controle.



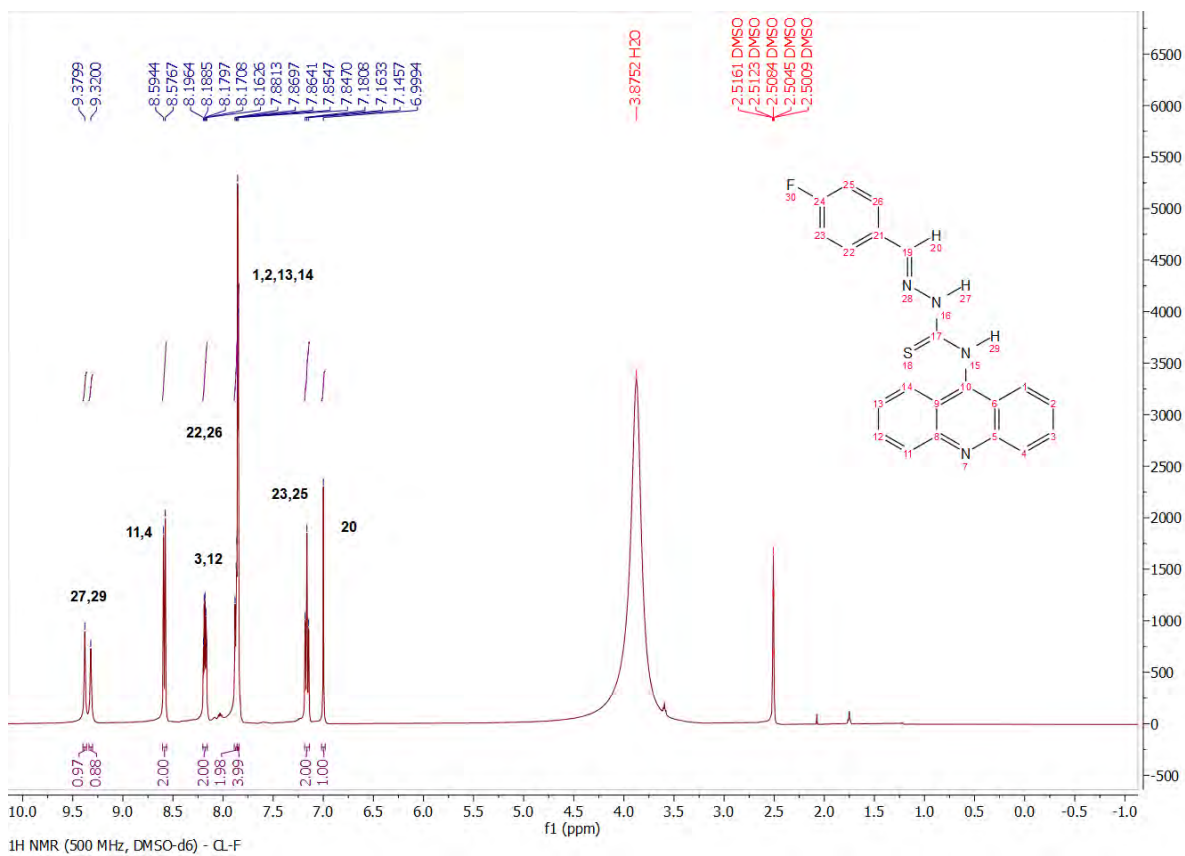


Figura S126. Espectro de RMN <sup>1</sup>H do CL-F.

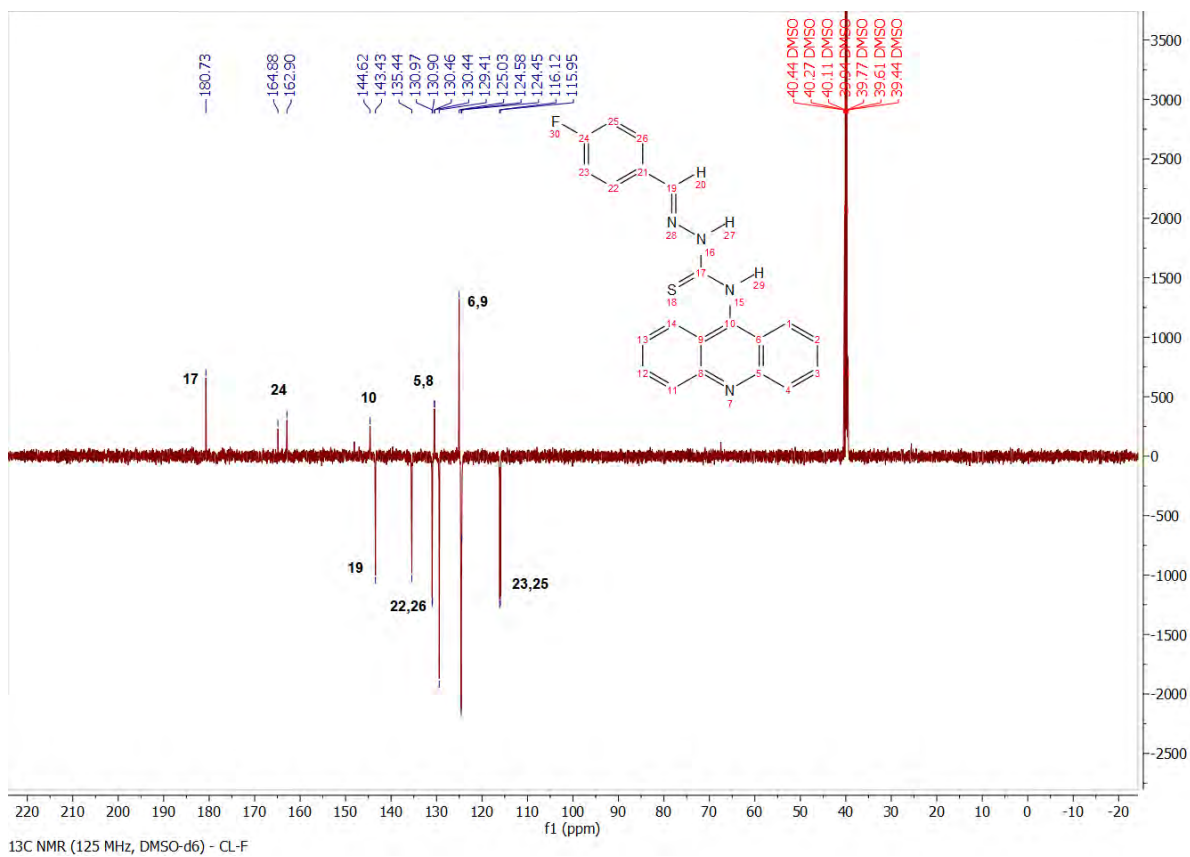


Figura S127. Espectro de RMN <sup>13</sup>C do CL-F.

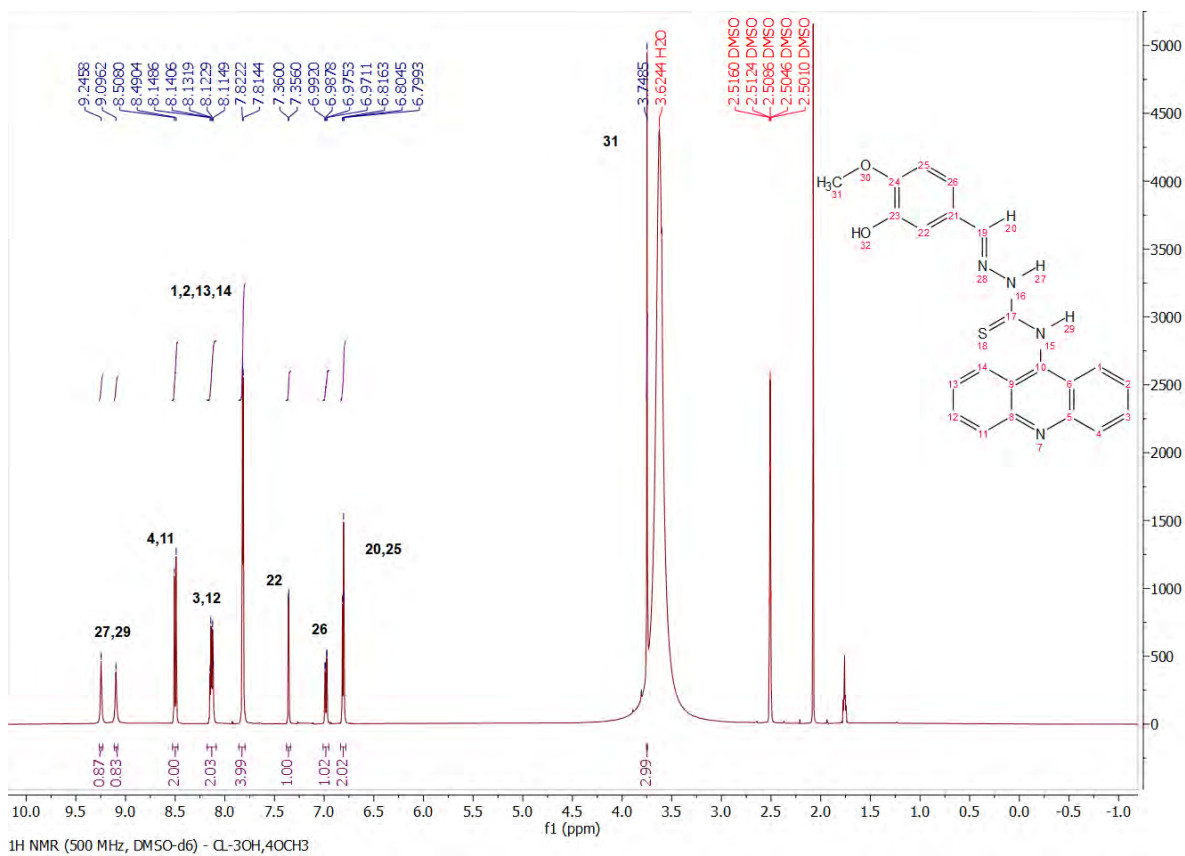


Figura S128. Espectro de RMN  $^1\text{H}$  do CL-3OH,4OCH<sub>3</sub>.

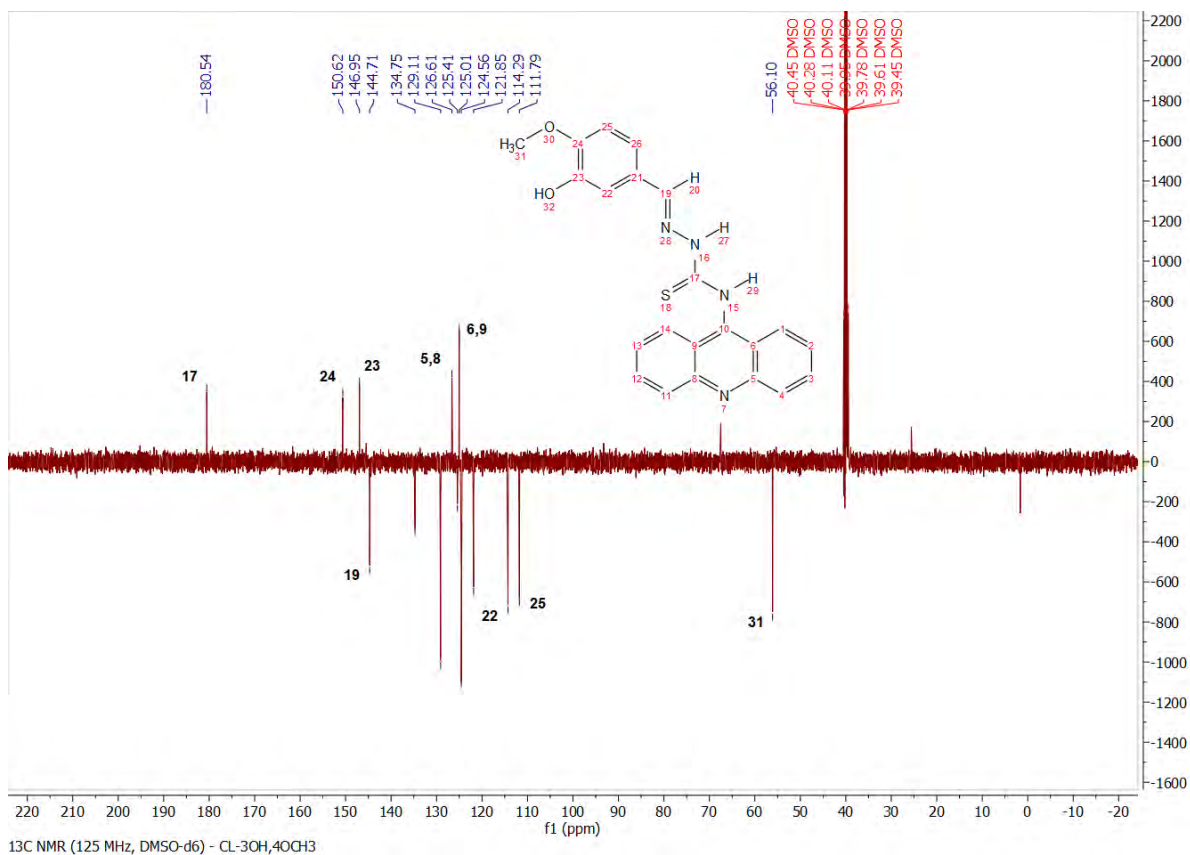


Figura S129. Espectro de RMN  $^{13}\text{C}$  do CL-3OH,4OCH<sub>3</sub>.

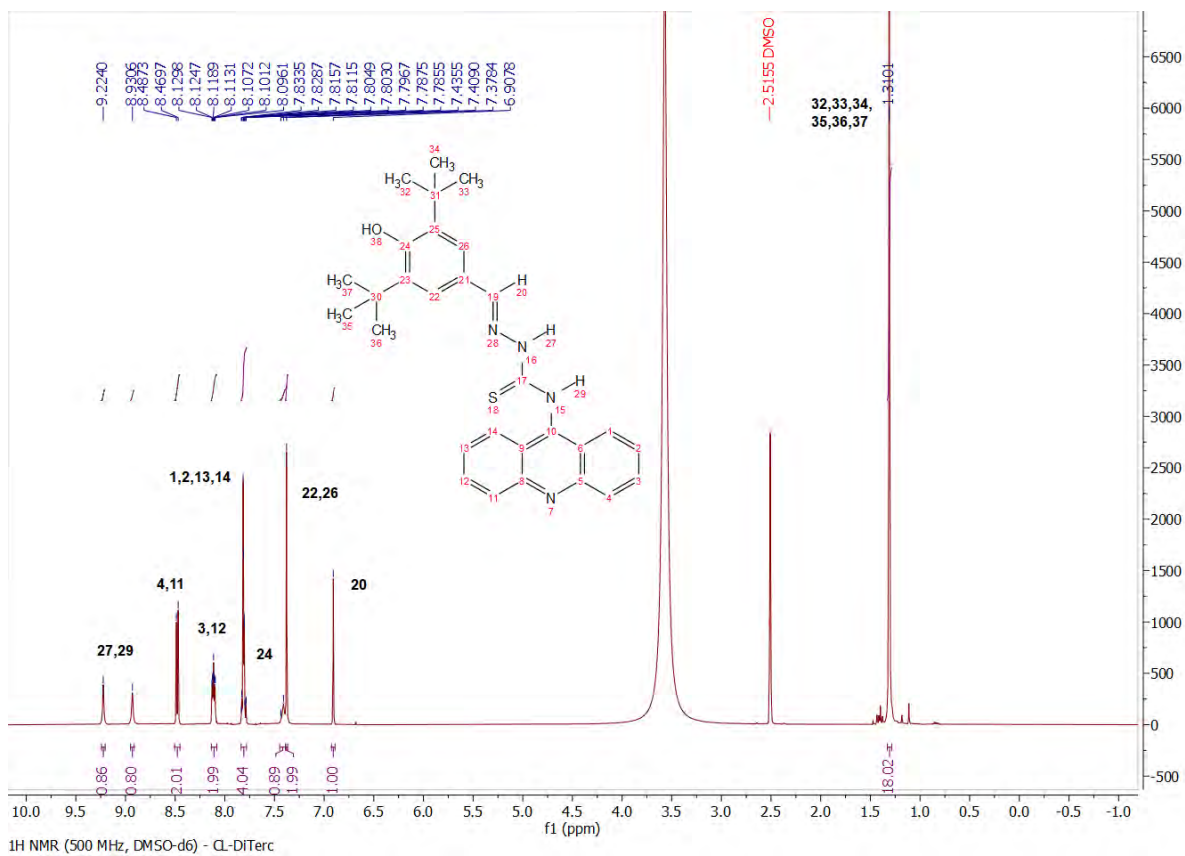


Figura S130. Espectro de RMN  $^1\text{H}$  do CL-DiTerc.

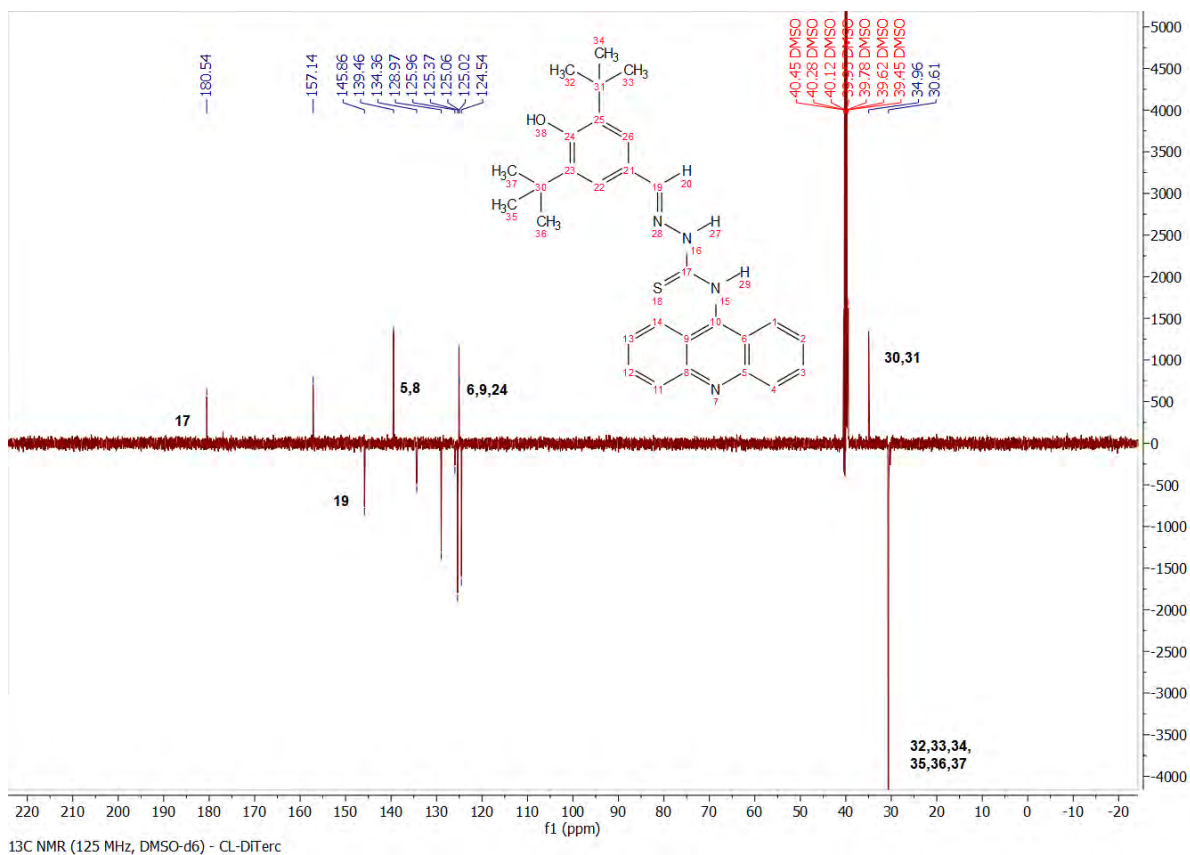


Figura S131. Espectro de RMN  $^{13}\text{C}$  do CL-DiTerc.

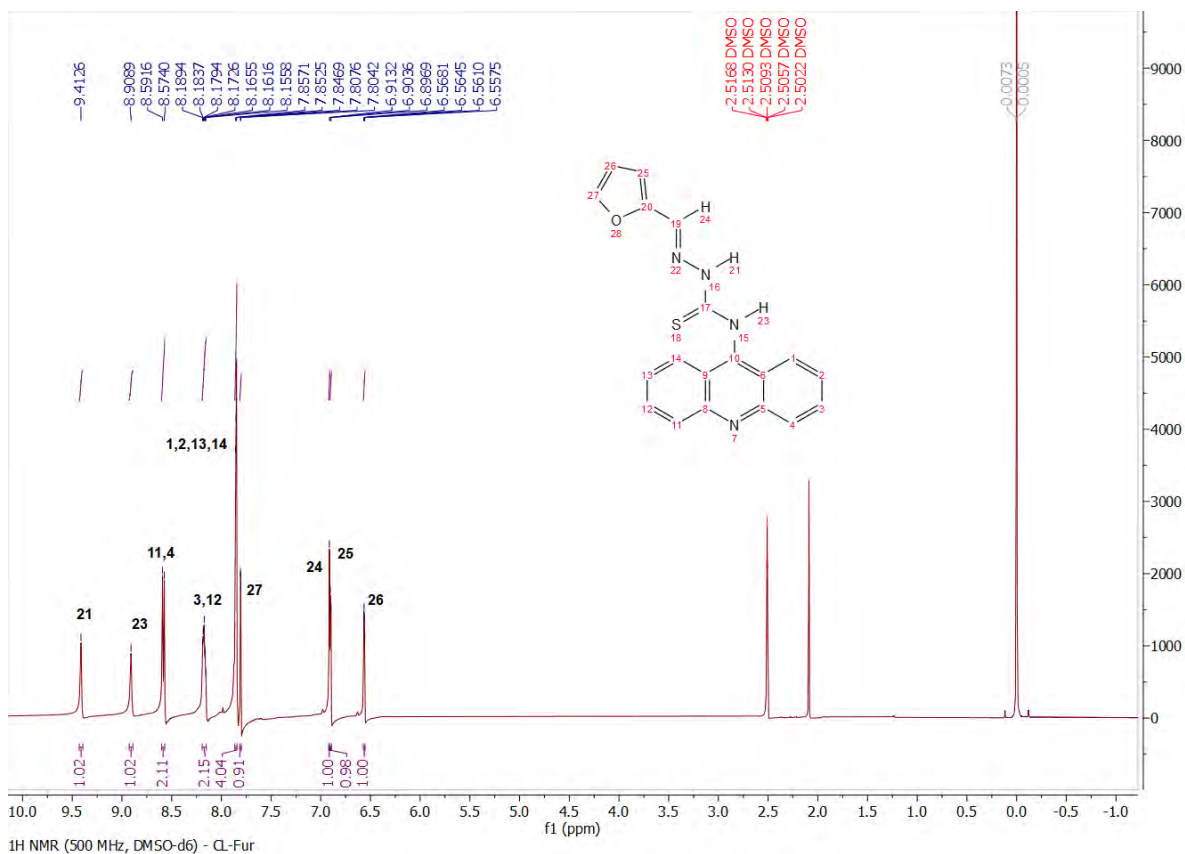


Figura S132. Espectro de RMN <sup>1</sup>H do CL-Fur.

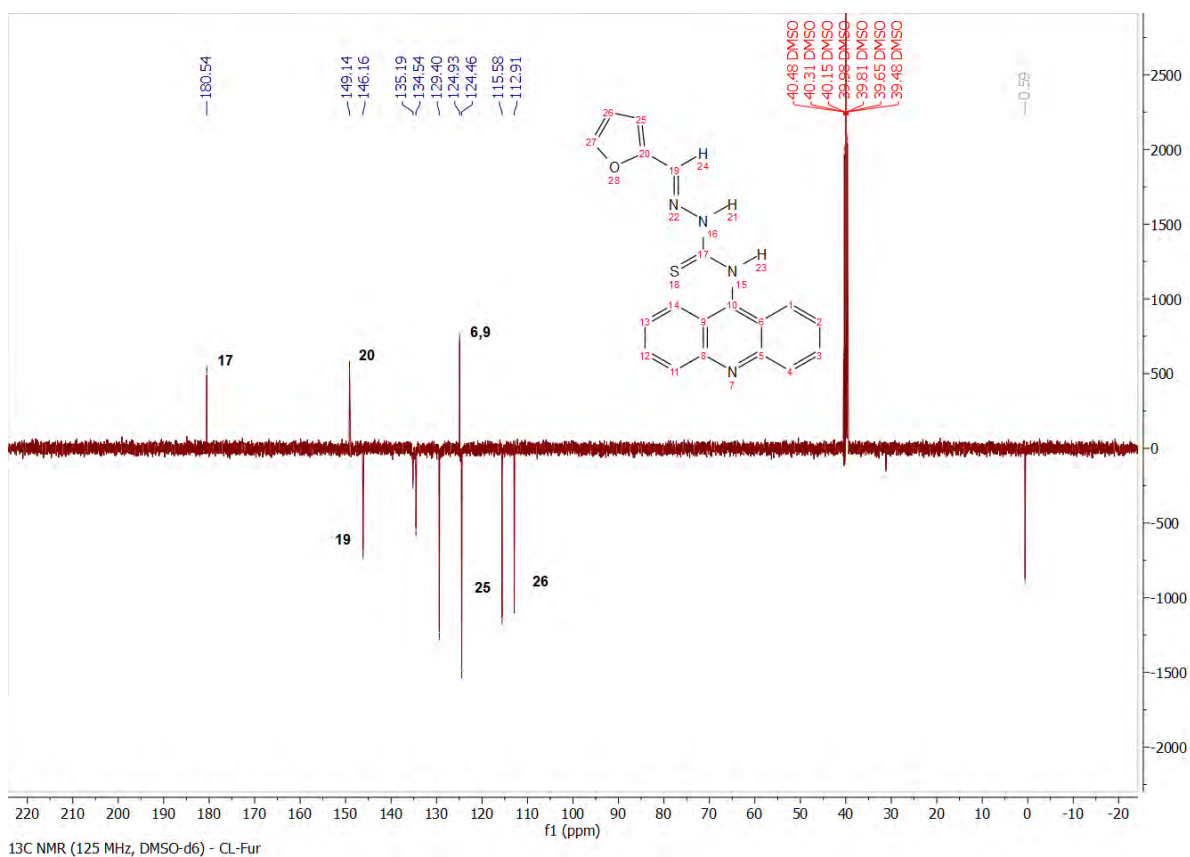


Figura S133. Espectro de RMN <sup>13</sup>C do CL-Fur.

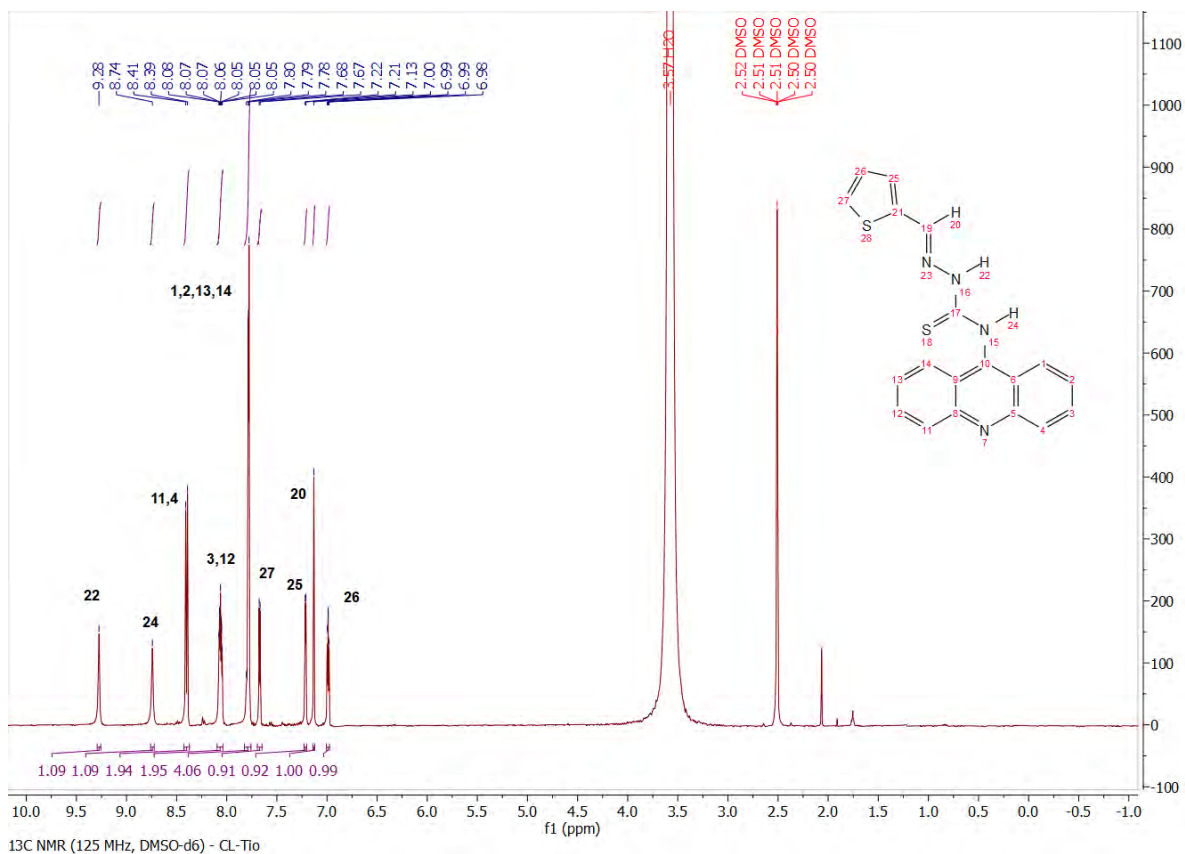


Figura S134. Espectro de RMN <sup>1</sup>H do CL-Tio.

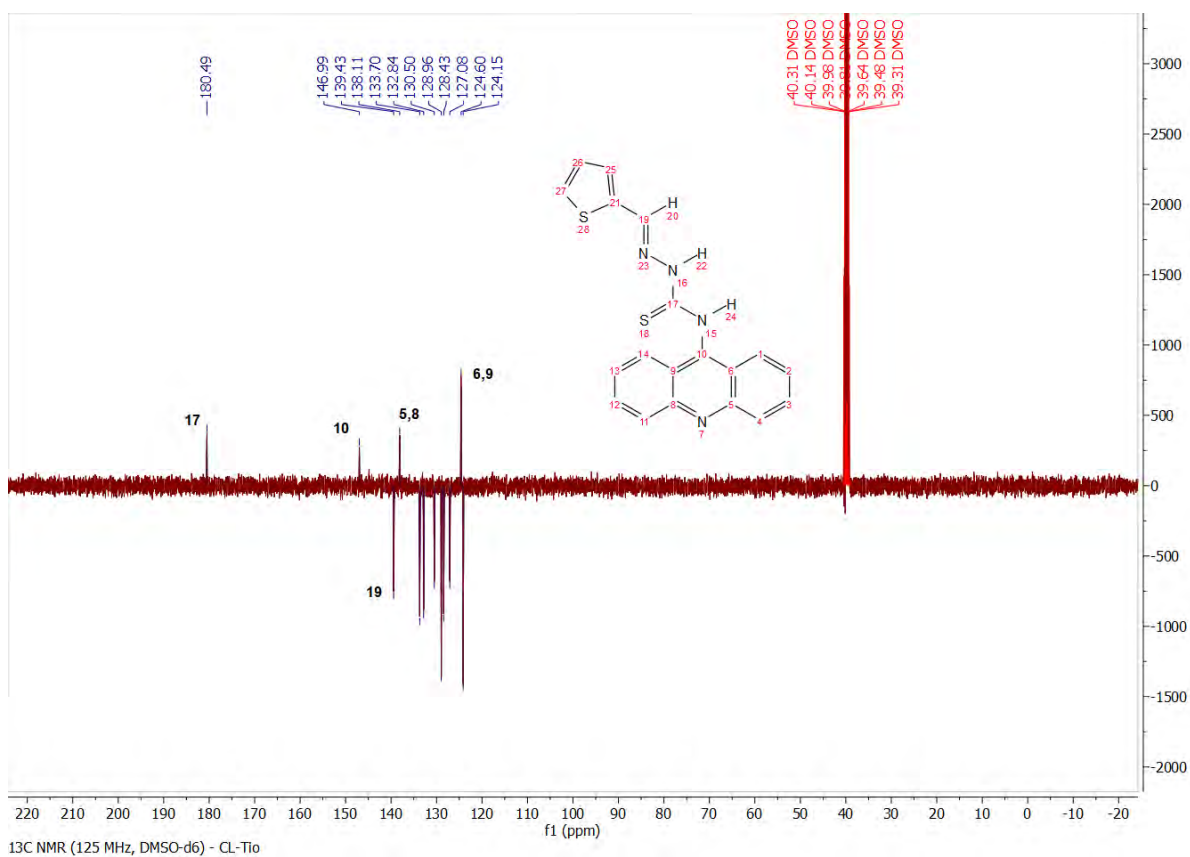


Figura S135. Espectro de RMN <sup>13</sup>C do CL-Tio.

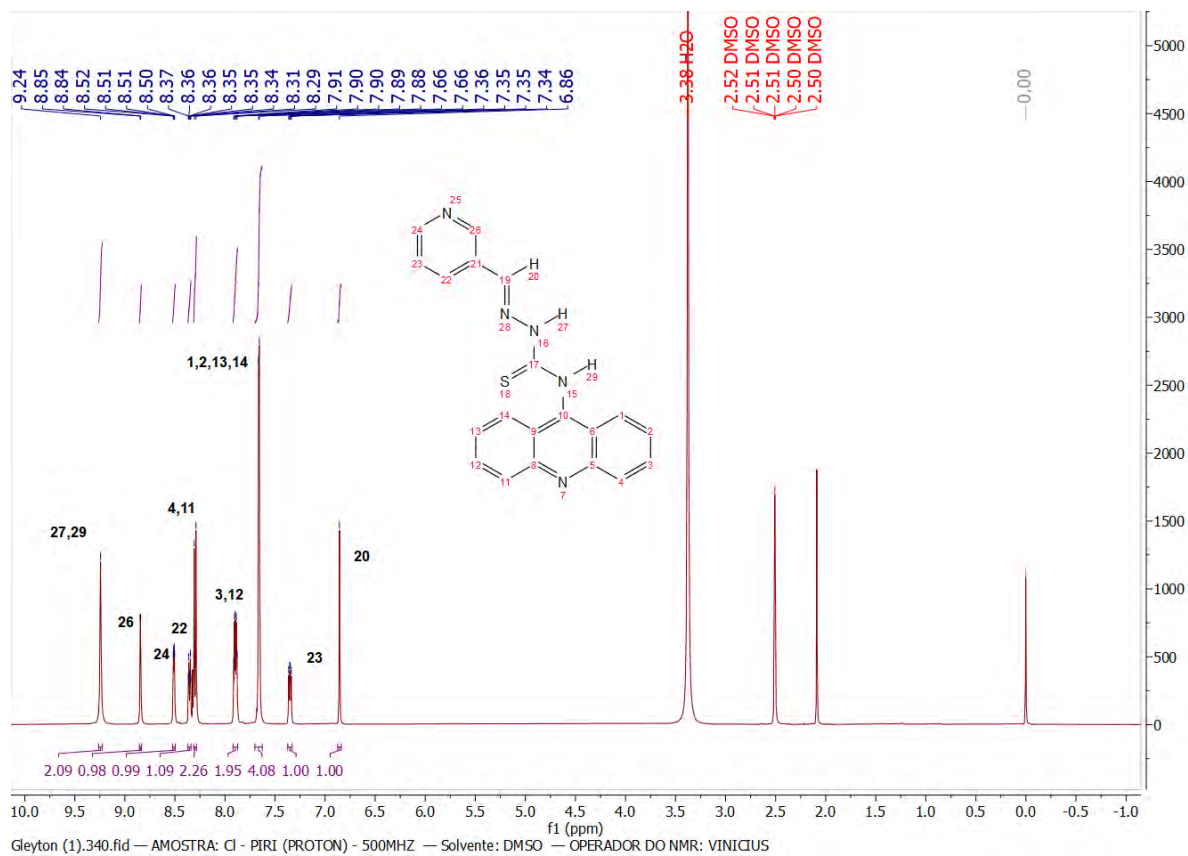


Figura S136. Espectro de RMN  $^1\text{H}$  do CL-3PIRI.

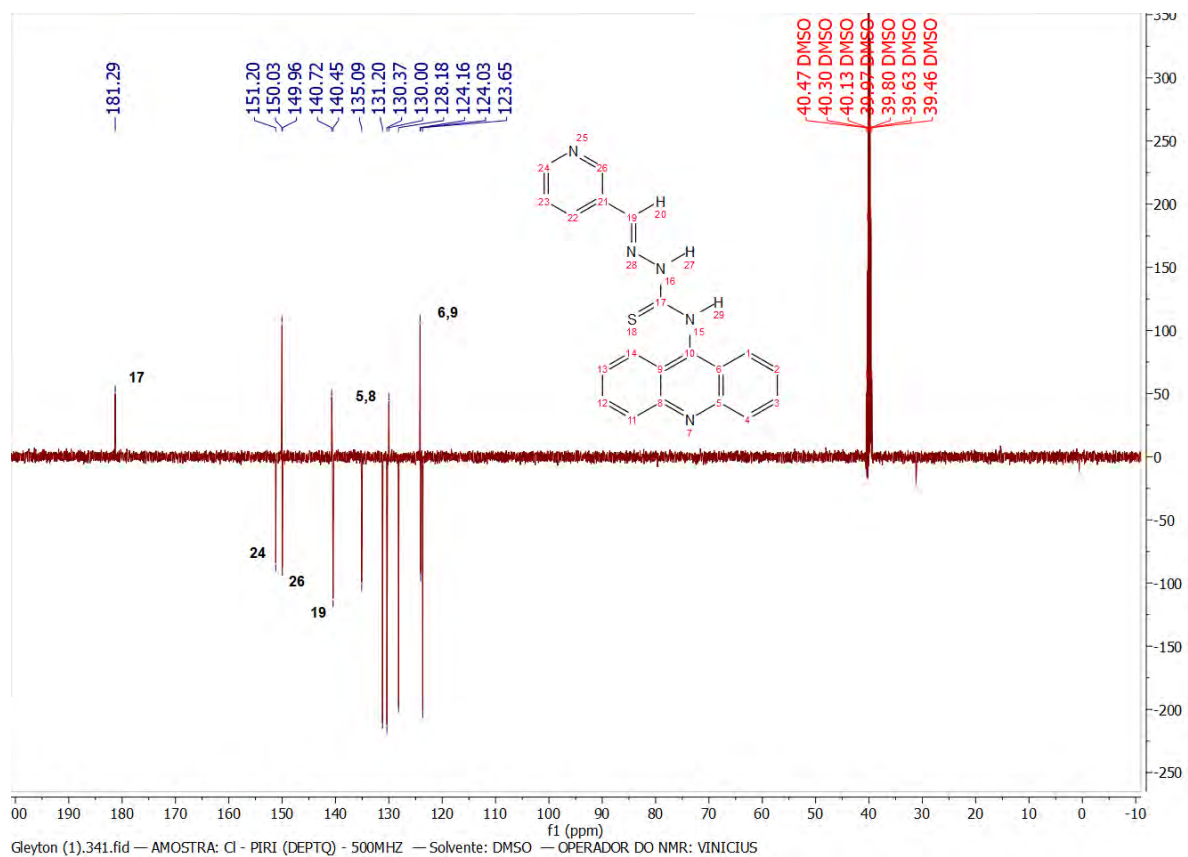


Figura S137. Espectro de RMN  $^{13}\text{C}$  do CL-3PIRI.

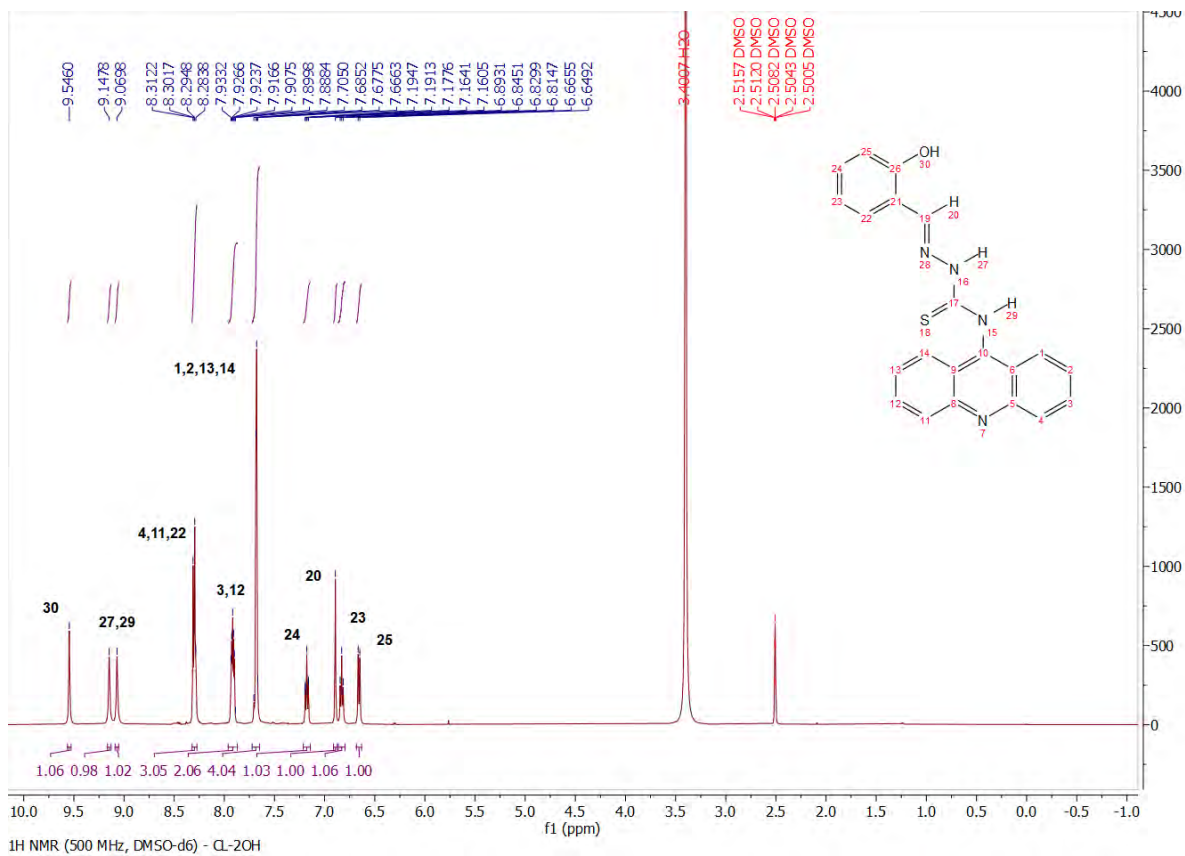


Figura S138. Espectro de RMN  $^1\text{H}$  do CL-2OH.

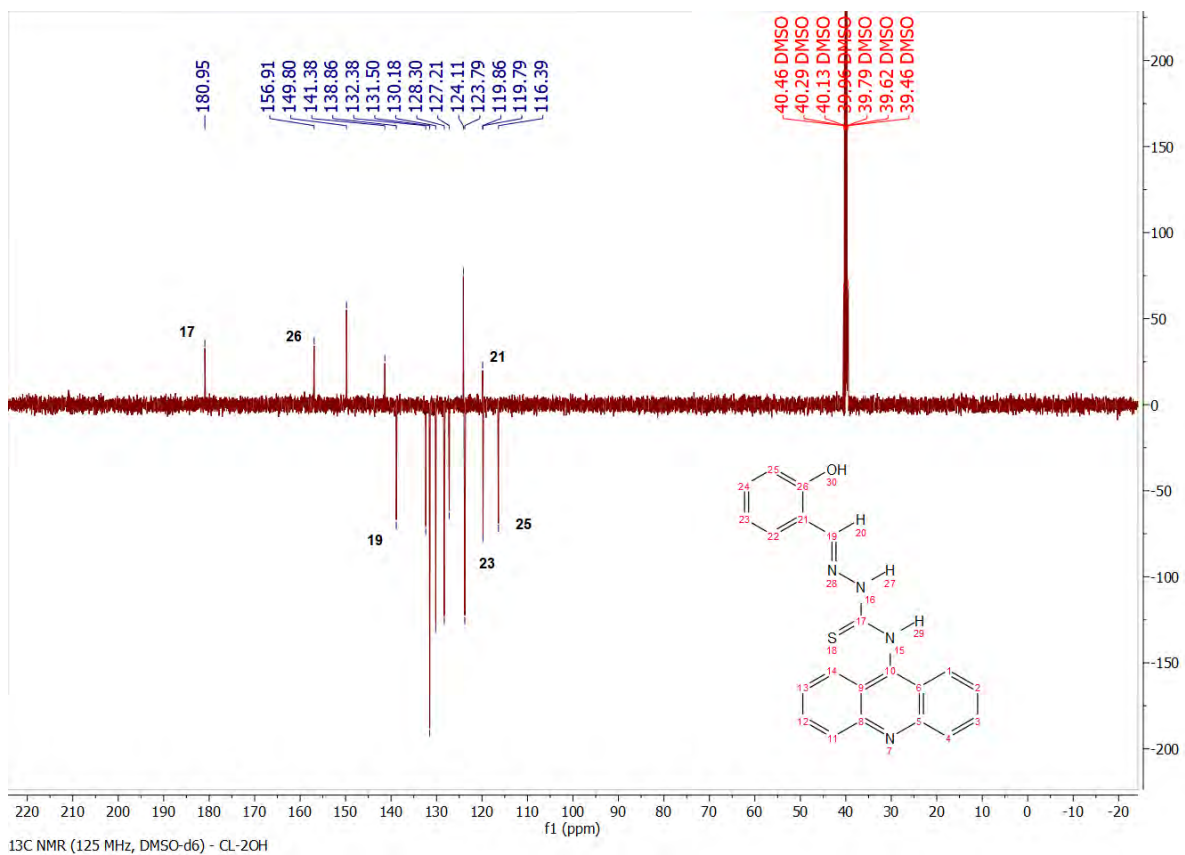


Figura S139. Espectro de RMN  $^{13}\text{C}$  do CL-2OH.

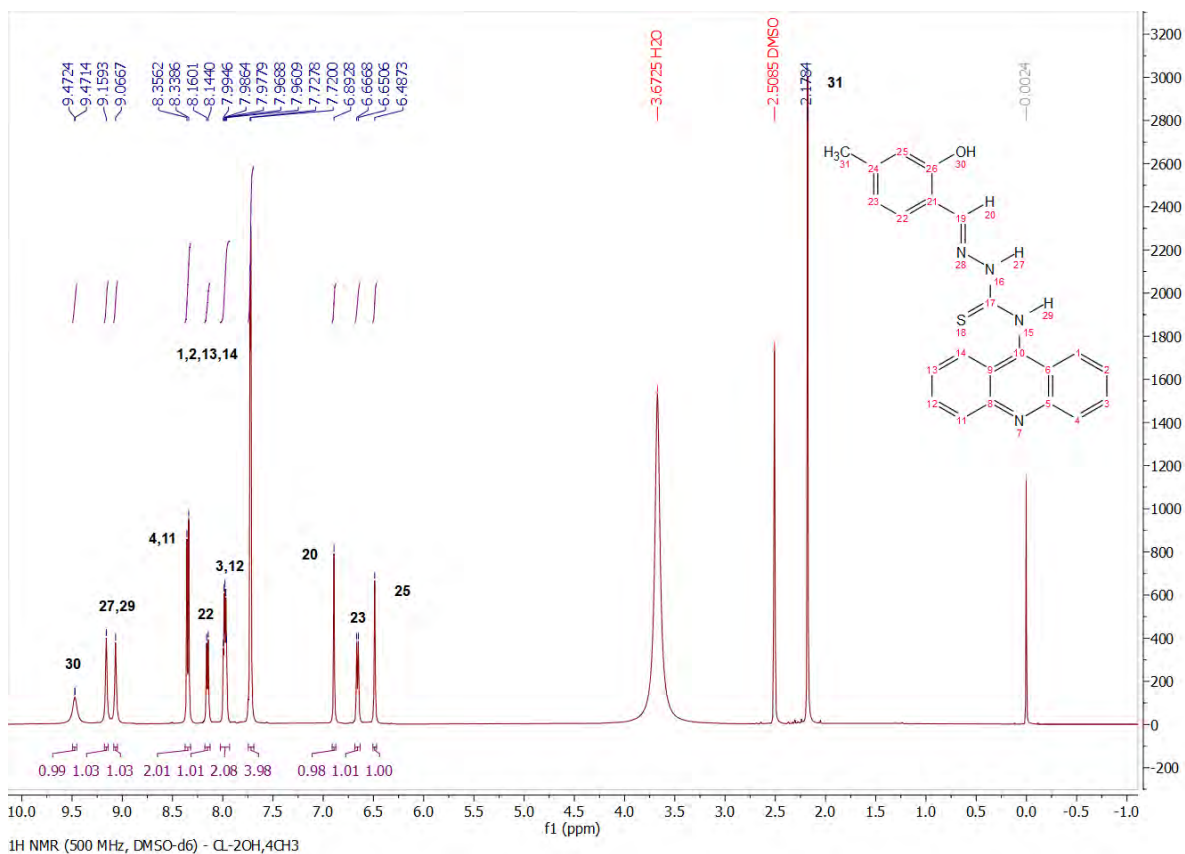


Figura S140. Espectro de RMN <sup>1</sup>H do CL-2OH,4CH<sub>3</sub>.

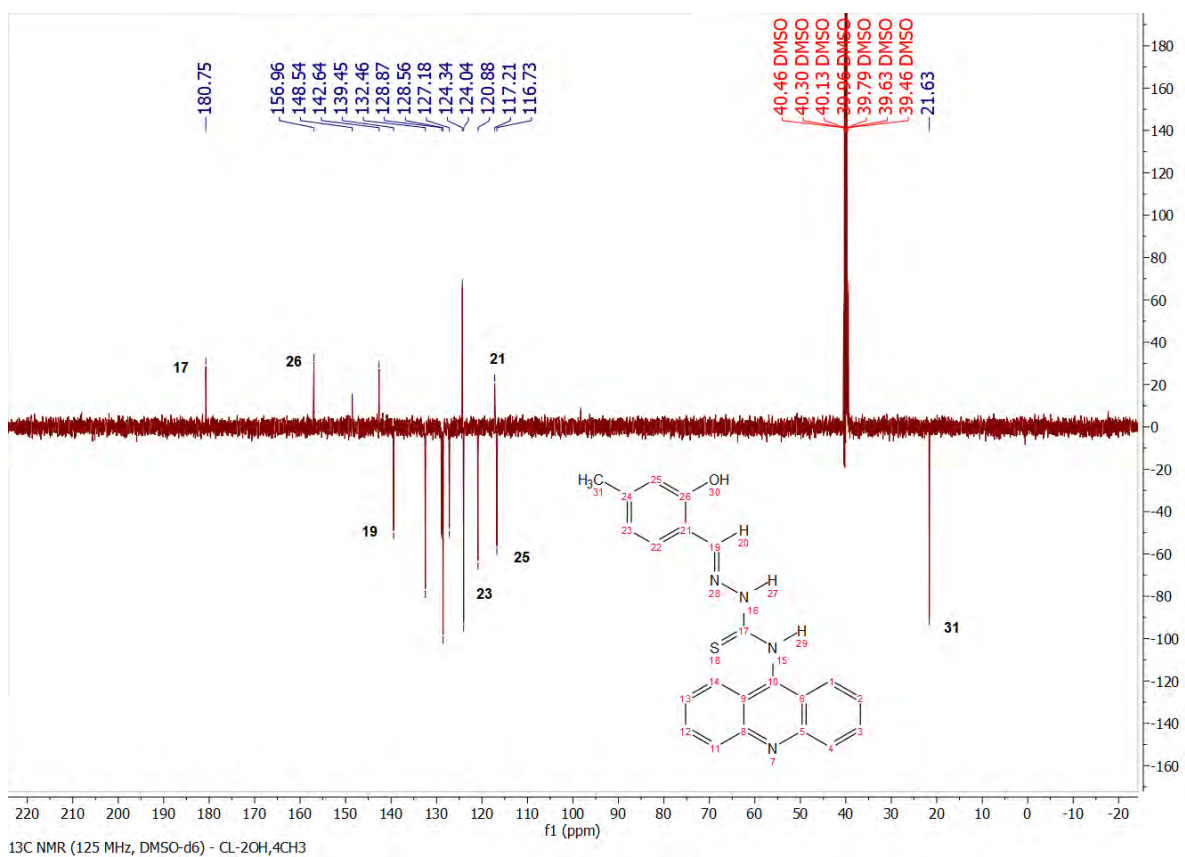


Figura S141. Espectro de RMN <sup>13</sup>C do CL-2OH,4CH<sub>3</sub>.



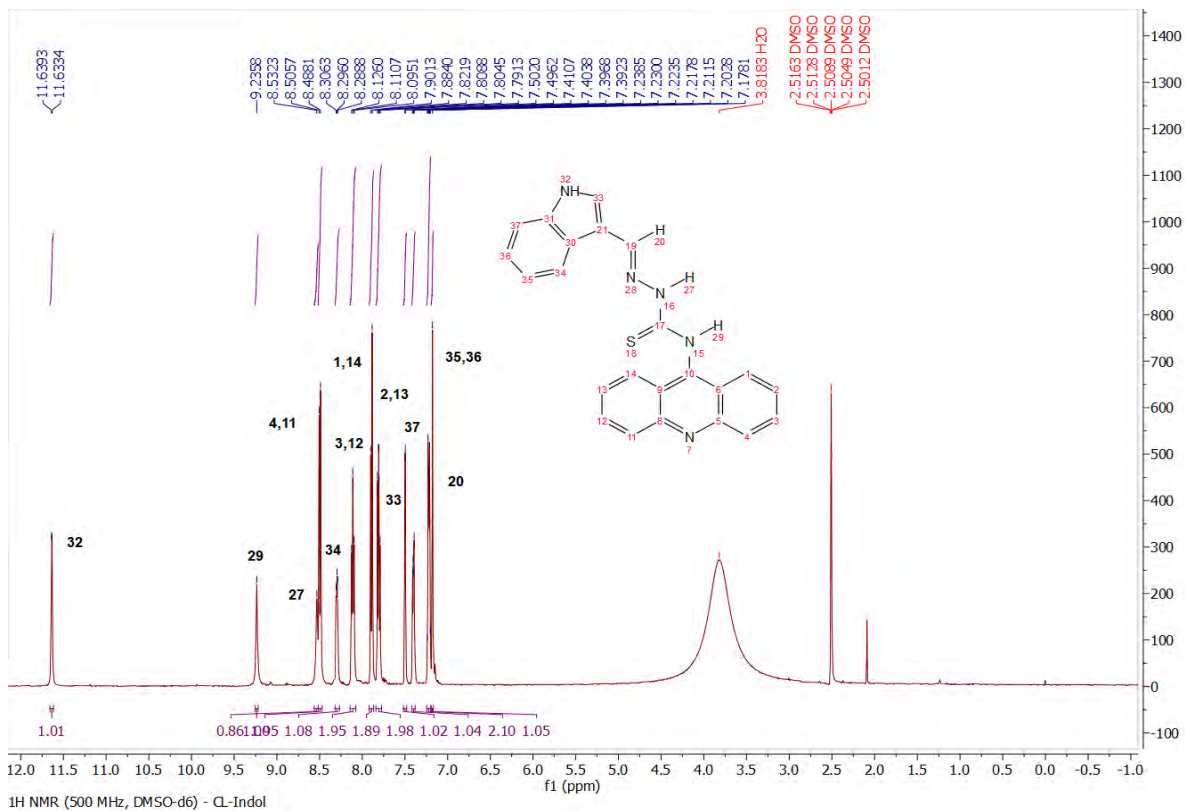


Figura S142. Espectro de RMN <sup>1</sup>H do CL-Indol.

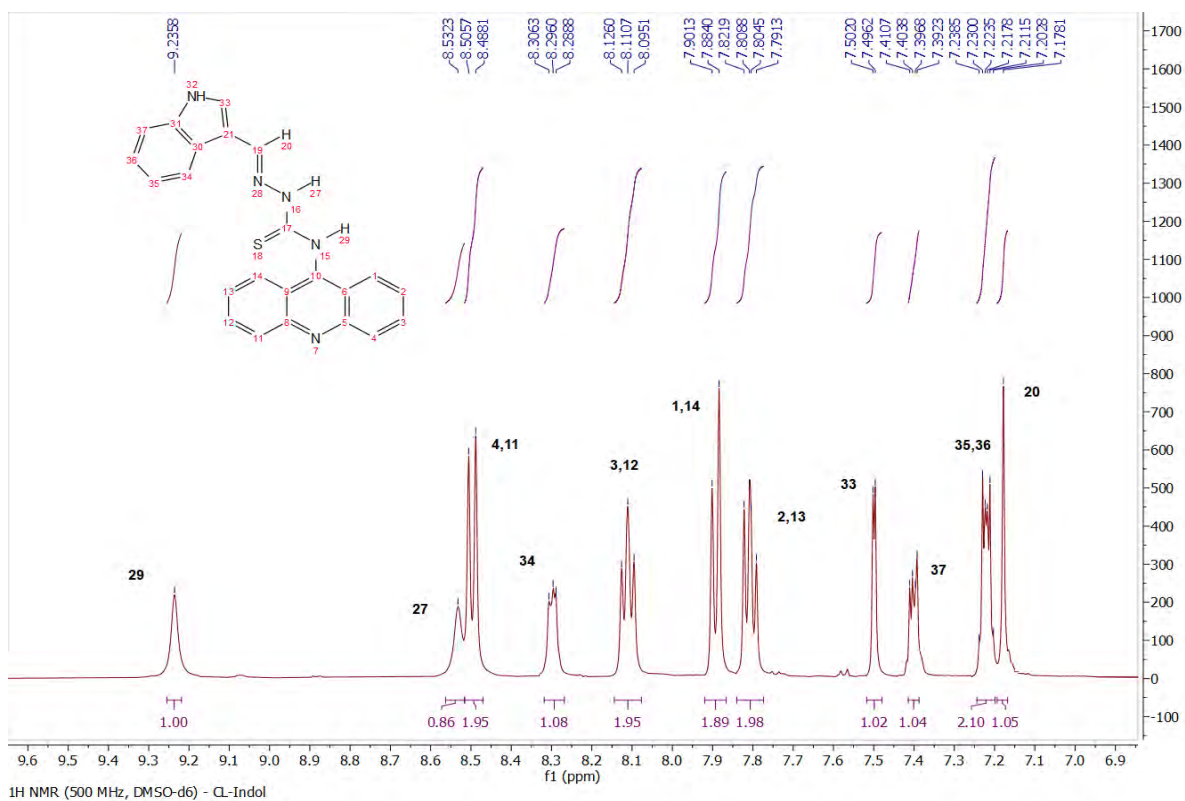


Figura S143. Expansão do espectro de RMN <sup>1</sup>H do CL-Indol.

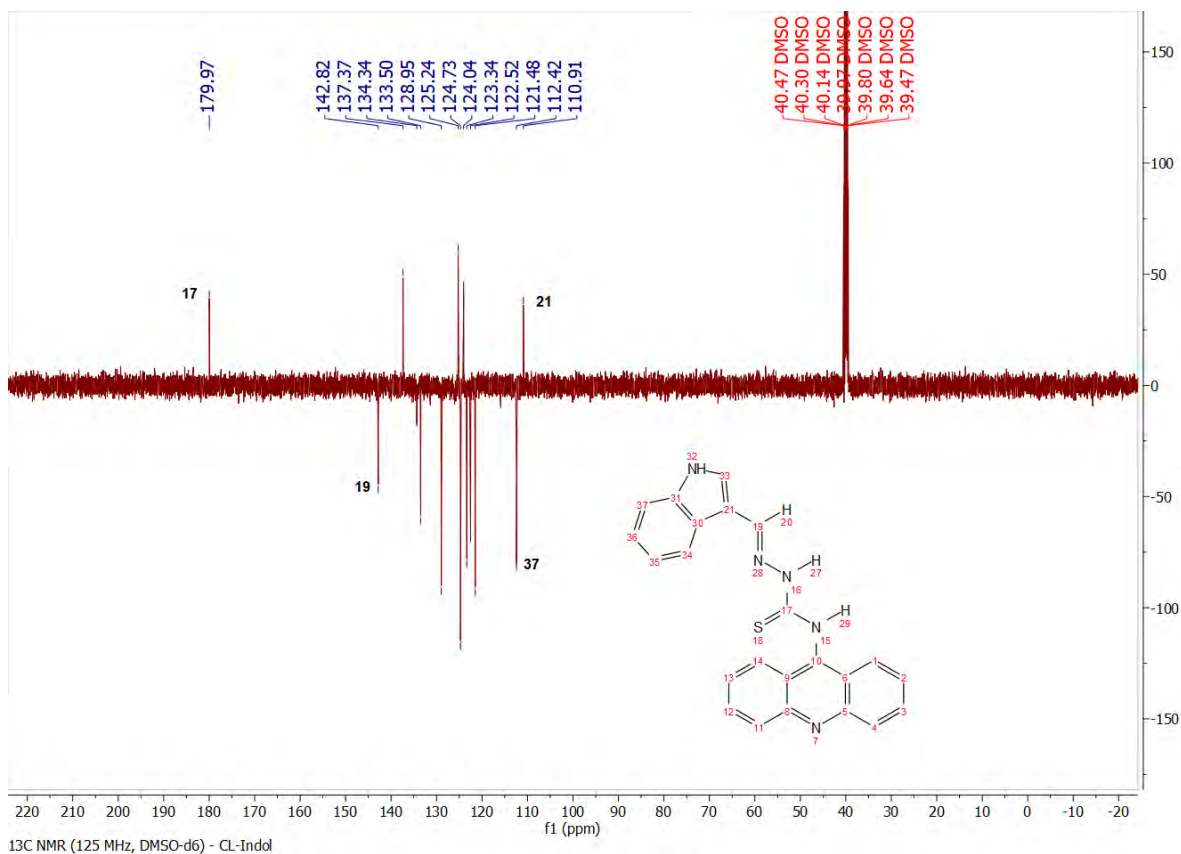


Figura S144. Espectro de RMN <sup>13</sup>C do CL-Indol.

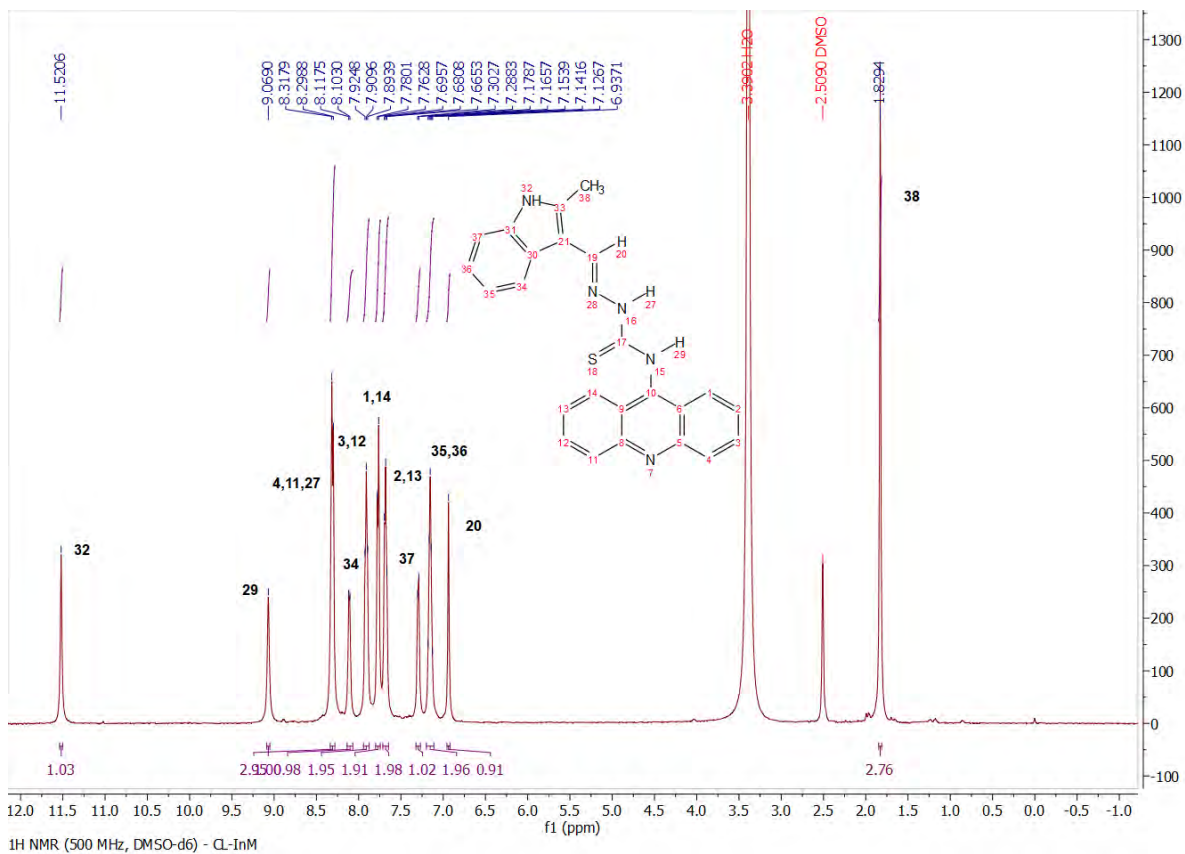


Figura S145. Espectro de RMN  $^1\text{H}$  do CL-InM.

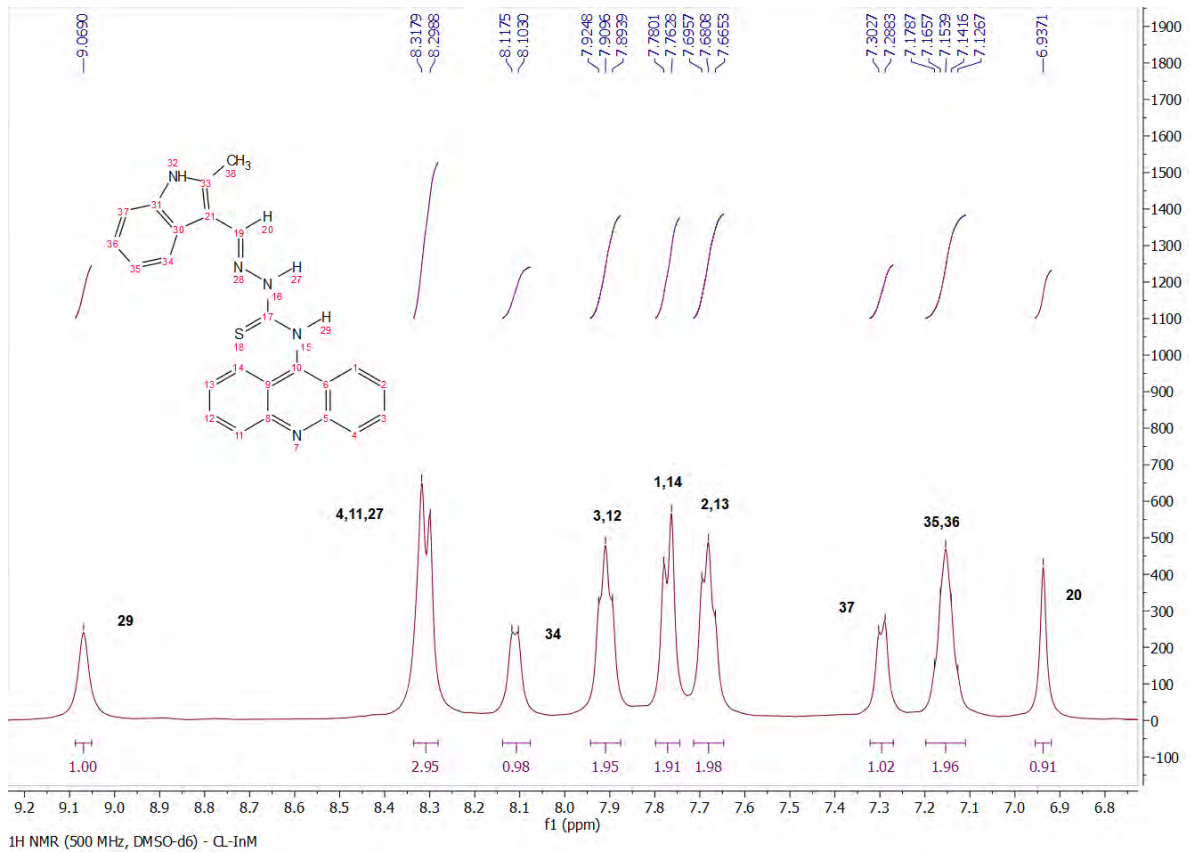


Figura S146. Expansão do espectro de RMN  $^1\text{H}$  do CL-InM.

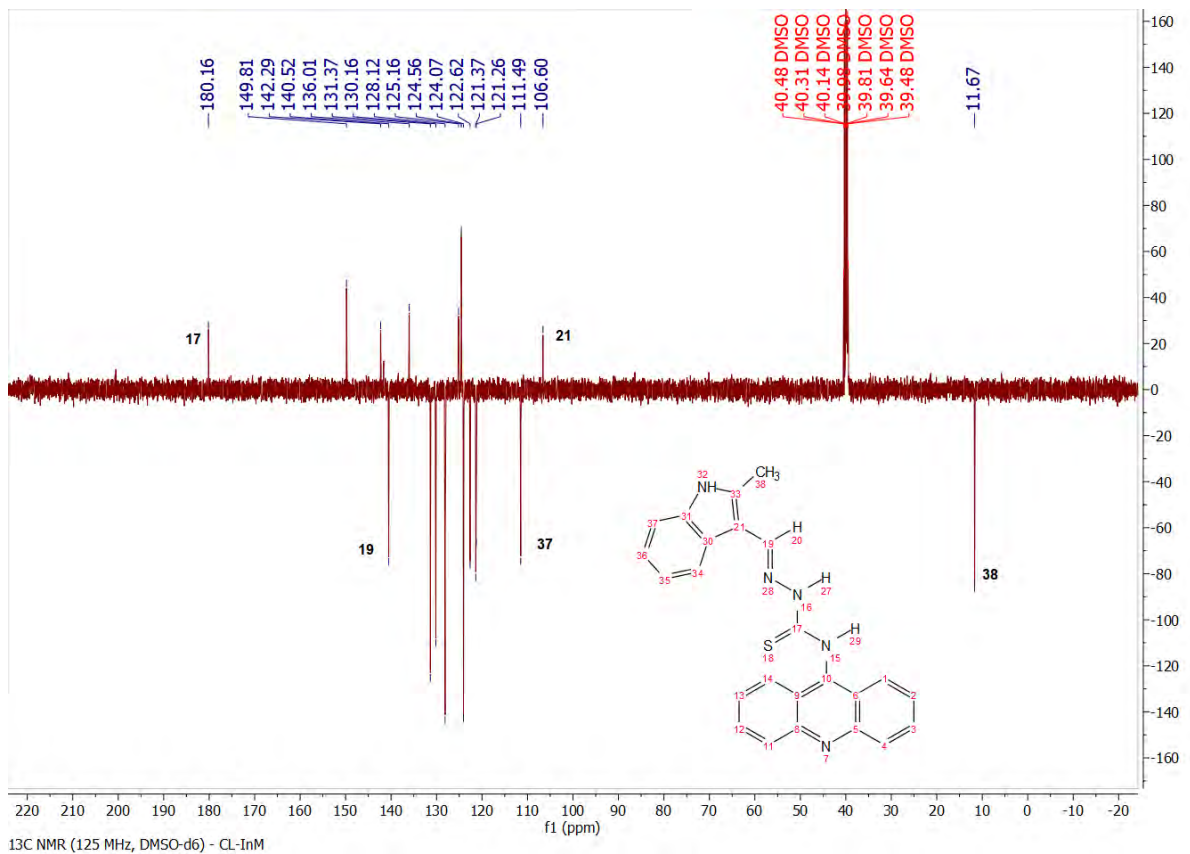


Figura S147. Espectro de RMN <sup>13</sup>C do CL-InM.

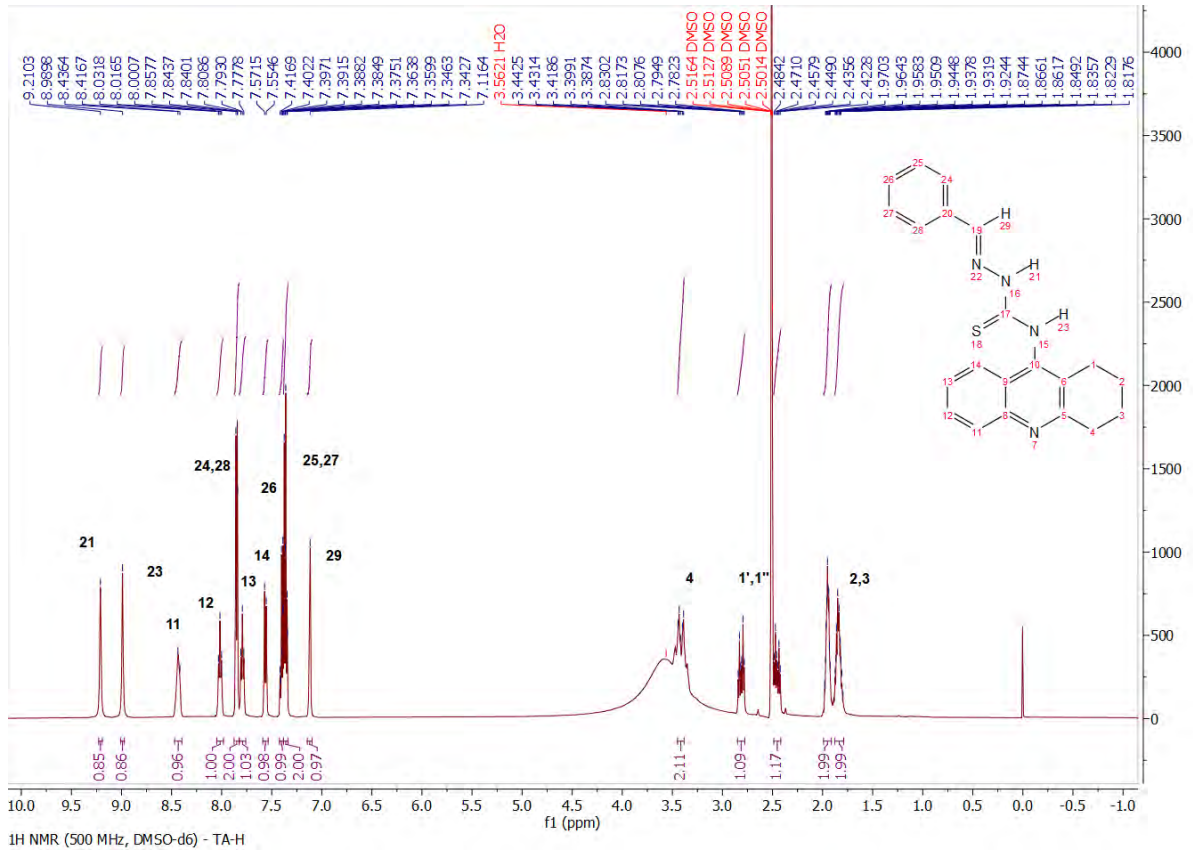


Figura S148. Espectro de RMN <sup>1</sup>H do TA-H.

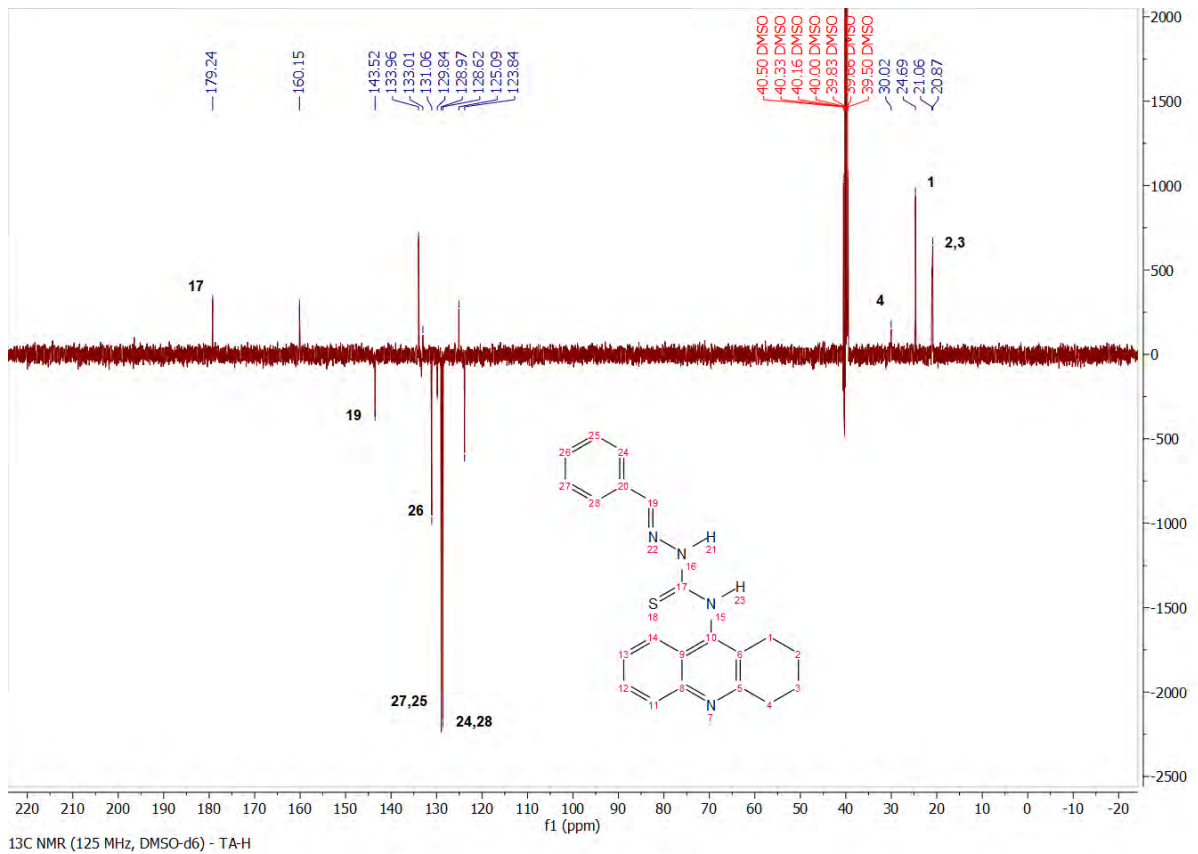


Figura S149. Espectro de RMN  $^{13}\text{C}$  do TA-H.

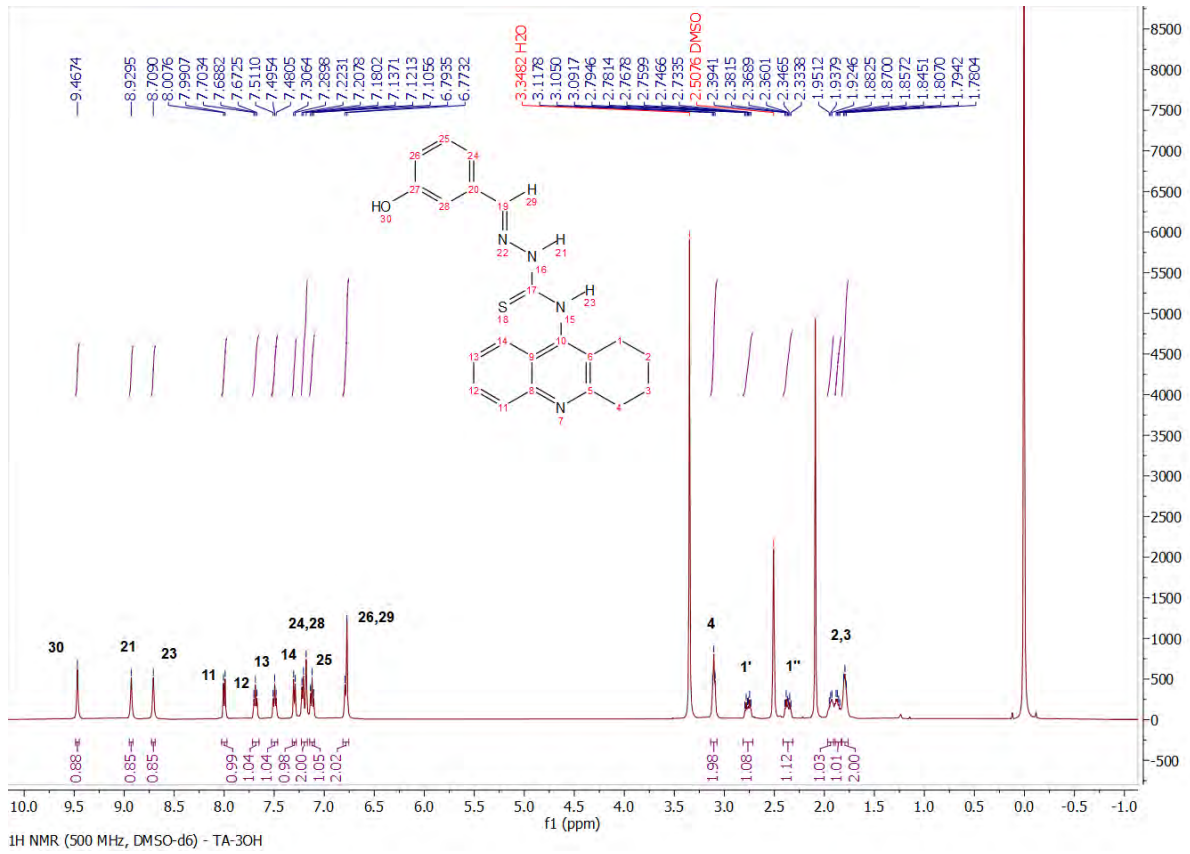


Figura S150. Espectro de RMN  $^1\text{H}$  do TA-3OH.

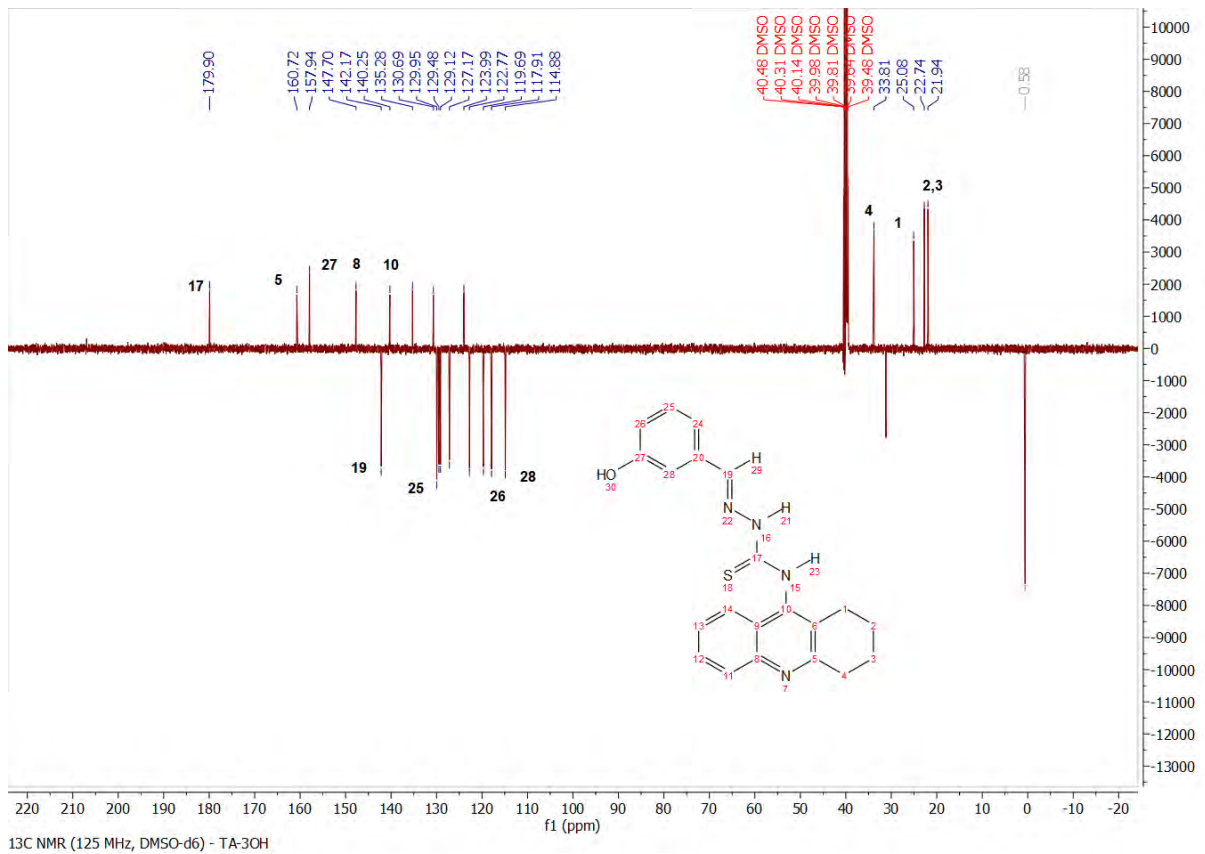


Figura S151. Espectro de RMN  $^{13}\text{C}$  do TA-3OH.

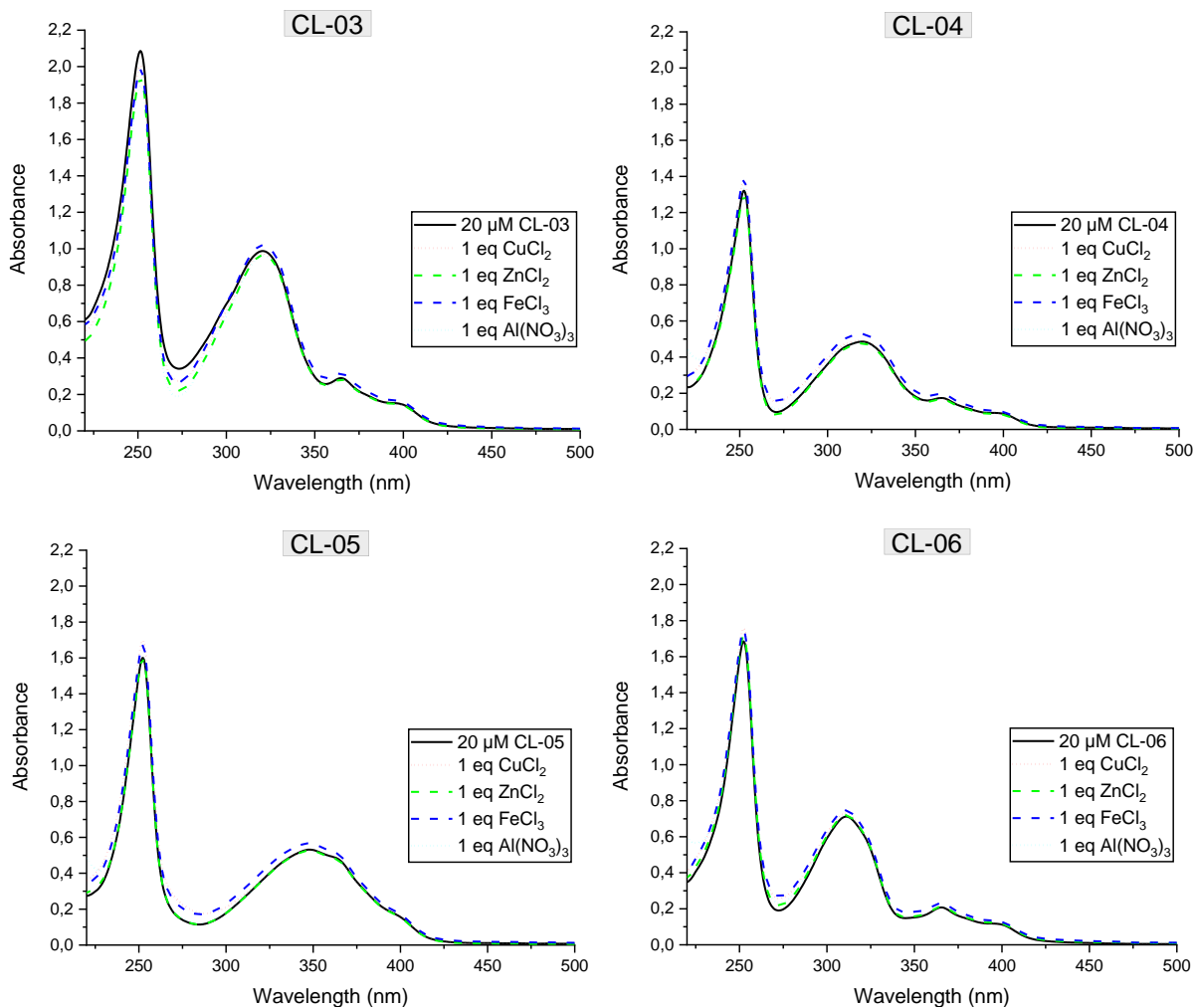


Figura S152. Espectro de absorvância dos derivados avaliados (20 μM) em MeOH/H<sub>2</sub>O (50/50, v/v, Tris-HCl pH= 7,5) antes e após adição de Cu<sup>2+</sup>, Zn<sup>2+</sup>, Al<sup>3+</sup> e Fe<sup>3+</sup>.