

MATERIAL SUPLEMENTAR

INIBIÇÃO DO CRESCIMENTO DE MICRORGANISMOS PATOGÊNICOS INDUZIDA POR BUTENOLÍDEOS ANÁLOGOS AOS CADIOLÍDEOS

Simone Z. Mairink^a, Luiz C. A. Barbosa^{a,b*} , Célia R. A. Maltha^a, Jodieh O. S. Varejão^{a,b}, Geane P. Oliveira^b, Jacqueline A. Takahashi^{b*}, John Boukouvalas^{b,c}

^a Departamento de Química, Universidade Federal de Viçosa, Av. P. H. Rolfs s/n, 36570-900 Viçosa – MG, Brasil.

^b Departamento de Química, Instituto de Ciências Exatas, Universidade Federal de Minas Gerais, Av. Pres. Antônio Carlos, 6627, Campus Pampulha, CEP 31270-901, Belo Horizonte – MG, Brasil.

^c Departamento de Química e Centro de Química Verde e Catálise, Pavillon Alexandre-Vachon, 1045 Avenue de la Médecine, Université Laval, Quebec City, Quebec G1V 0A6, Canada.

ESPECTROS DE RMN DE ^1H , ^{13}C E BIDIMENSIONAIS

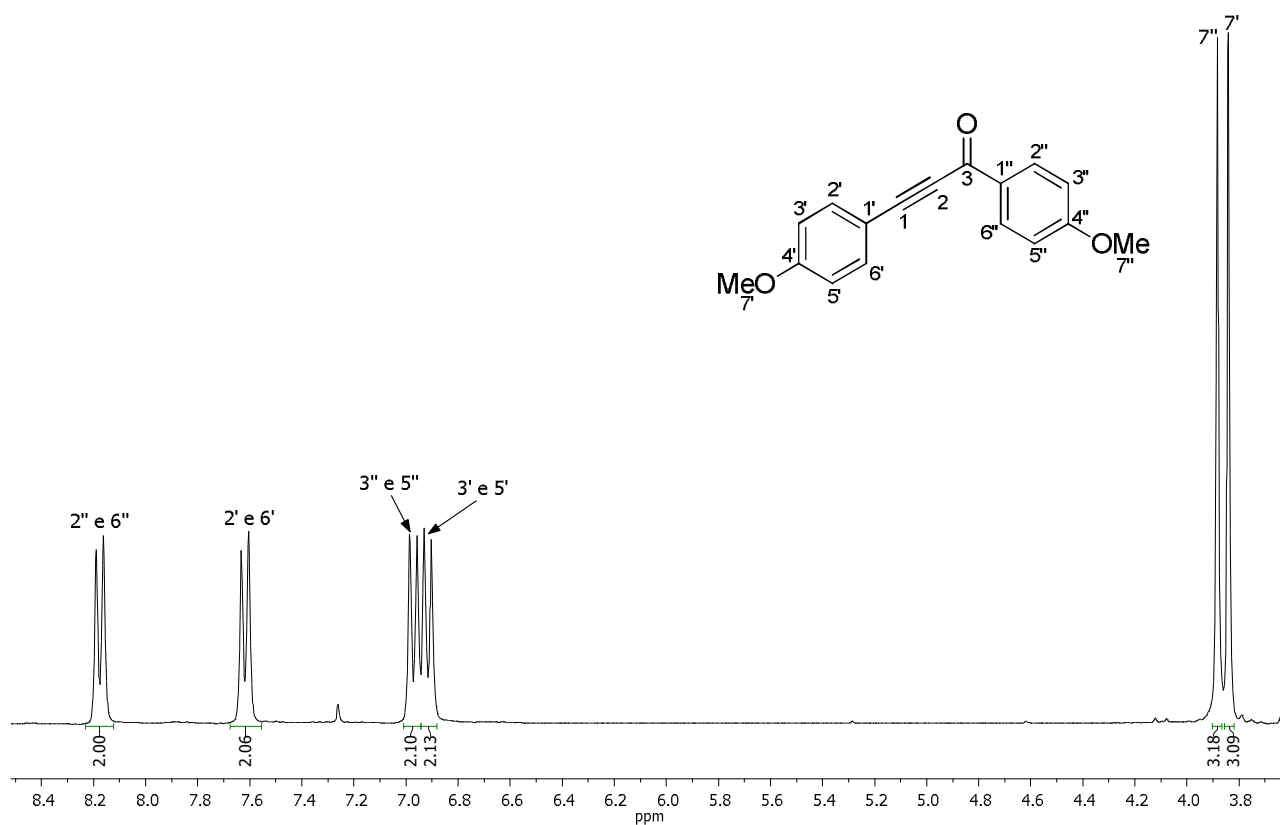


Figura 1S. RMN de ^1H (300 MHz, CDCl_3) para **11a**.

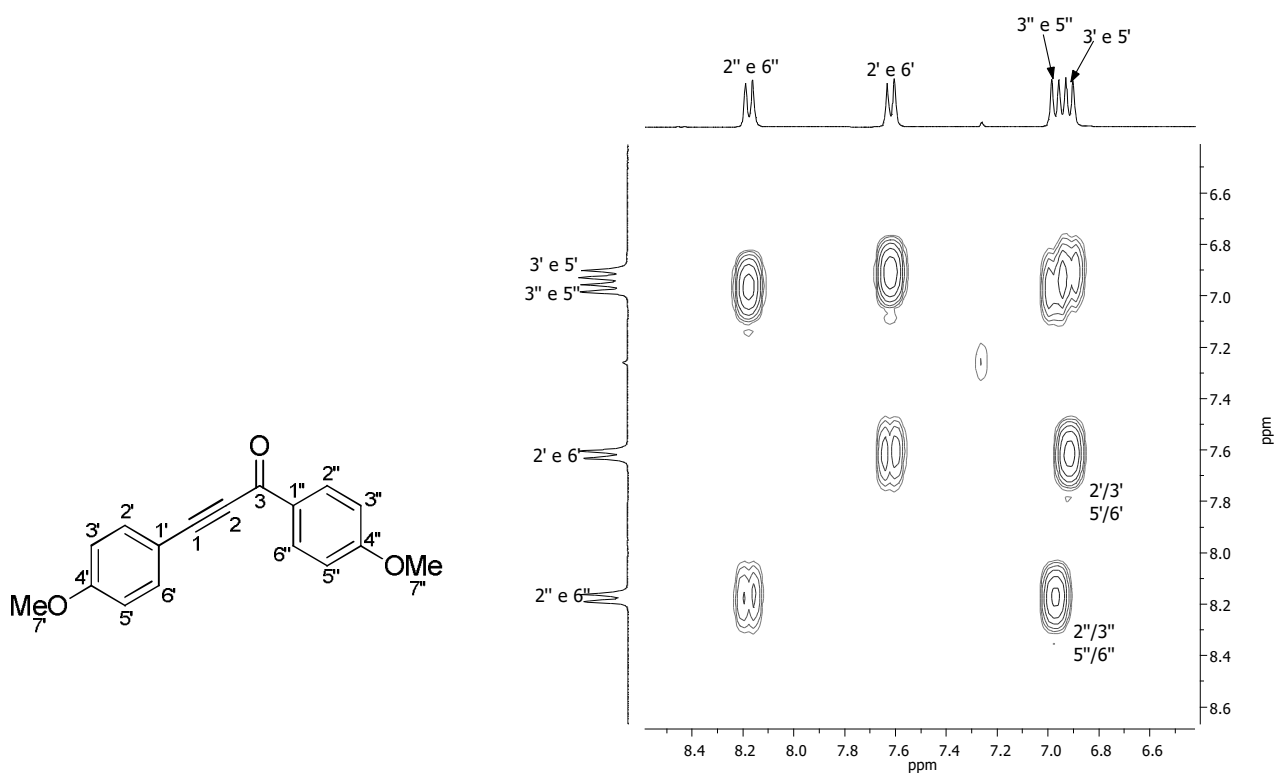


Figure 2S. Mapa de contorno COSY para **11a**.

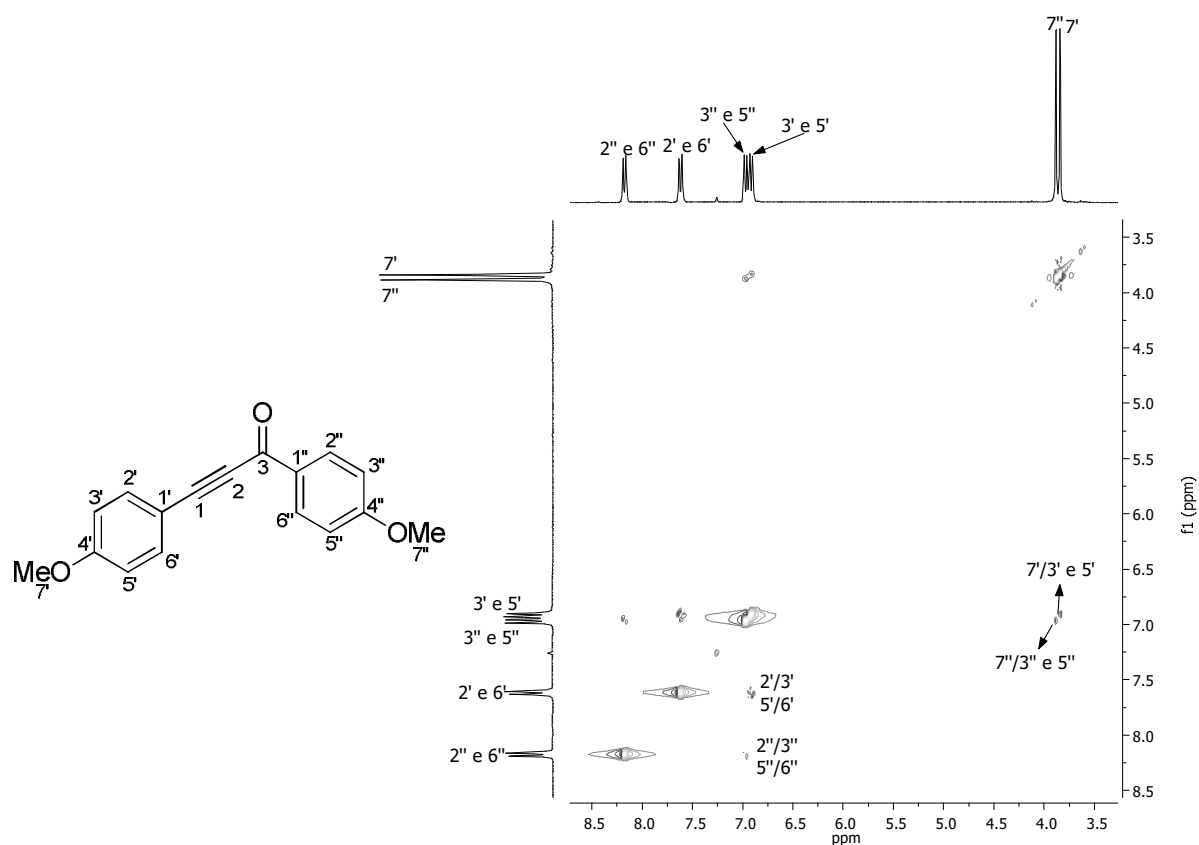


Figure 3S. Mapa de contorno NOESY para **11a**.

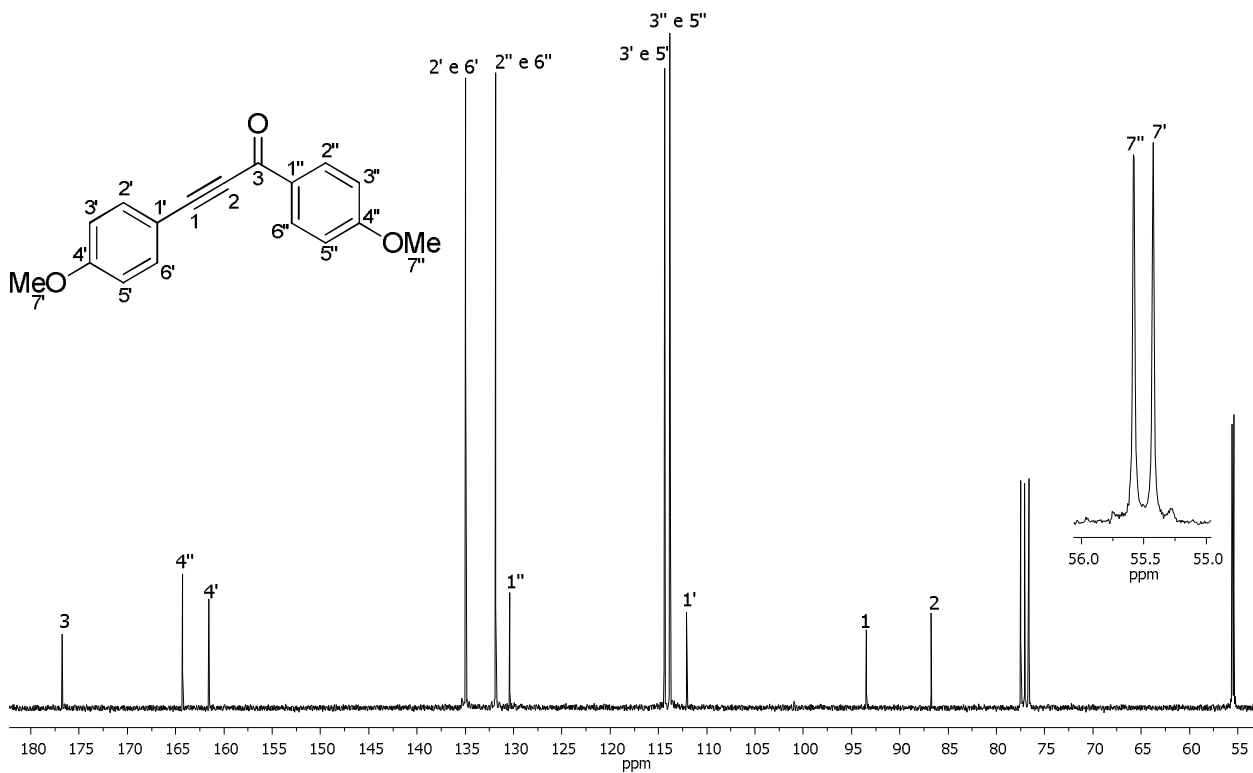


Figure 4S. RMN de ^{13}C (75 MHz, CDCl_3) para **11a**.

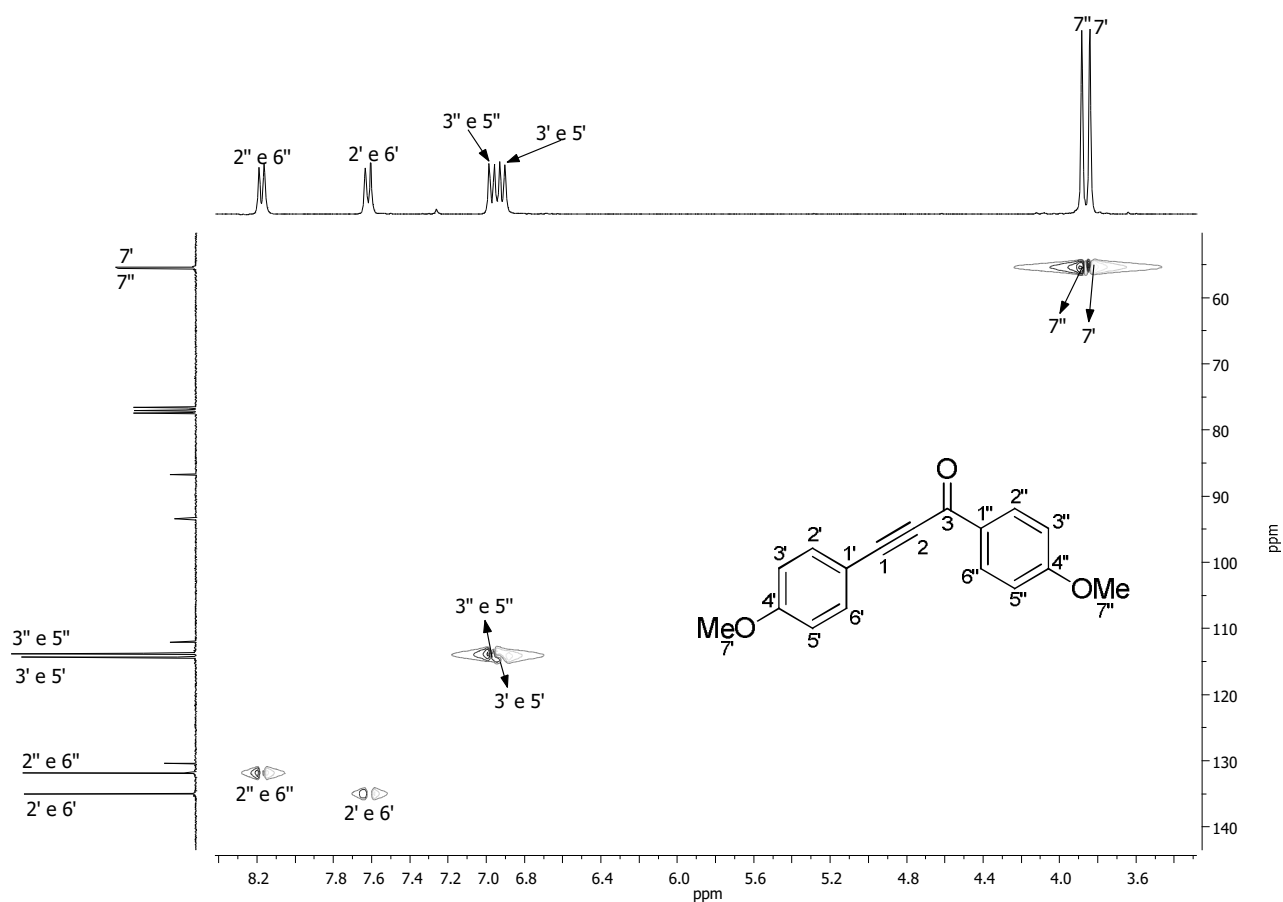


Figure 5S. Mapa de contorno *HSQC* para 11a.

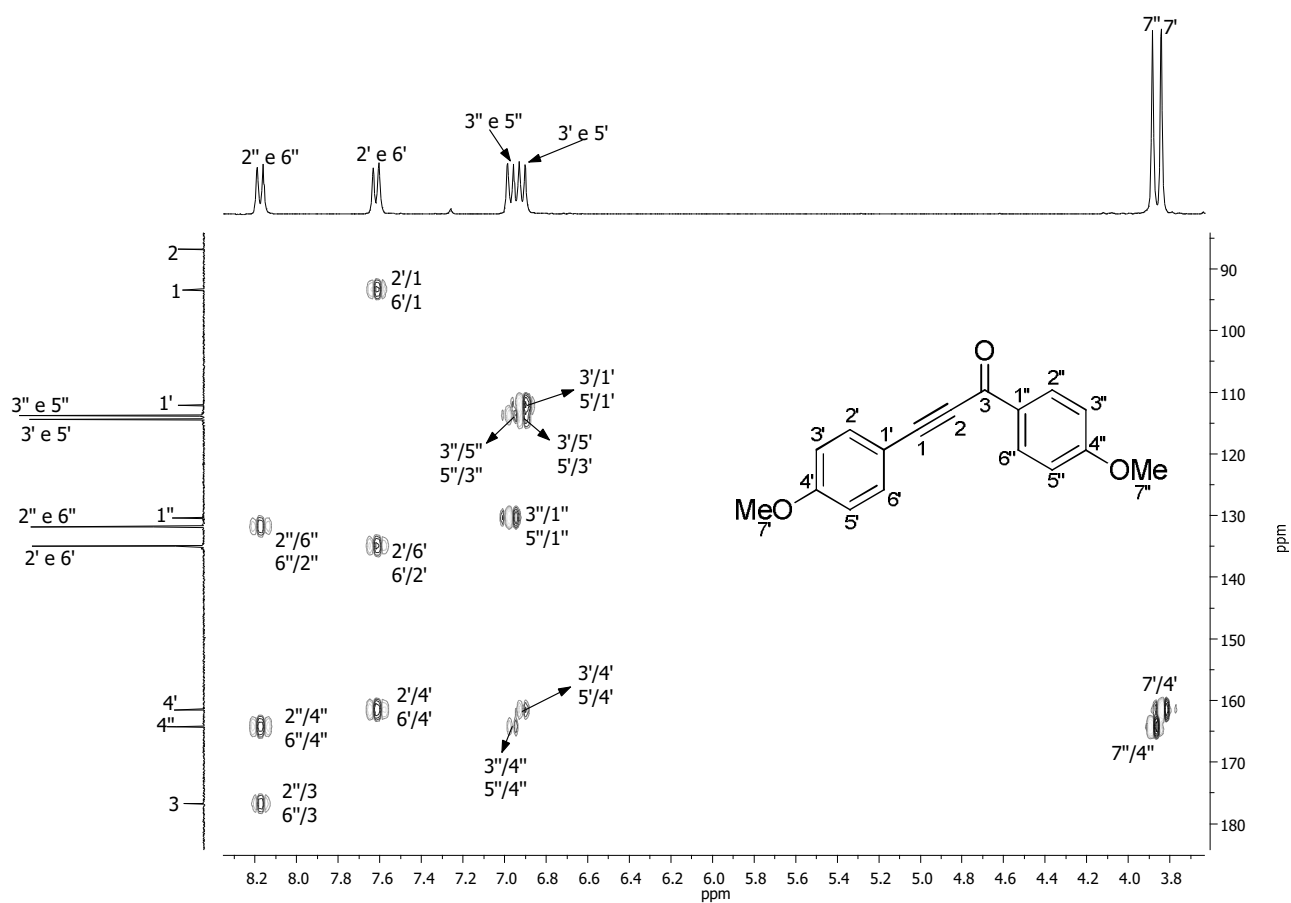


Figure 6S. Mapa de contorno *HMBC* para 11a.

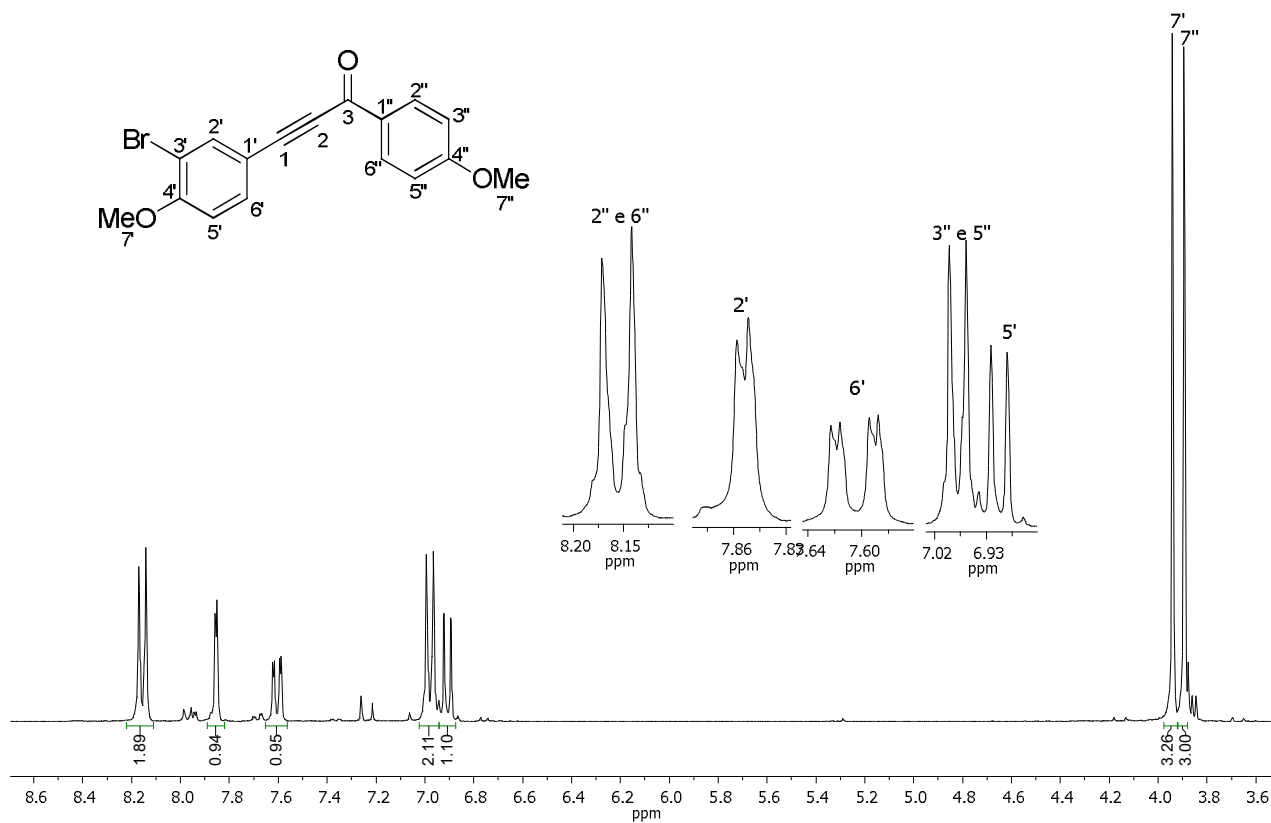


Figura 7S. RMN de ^1H (300 MHz, CDCl_3) para **11b**.

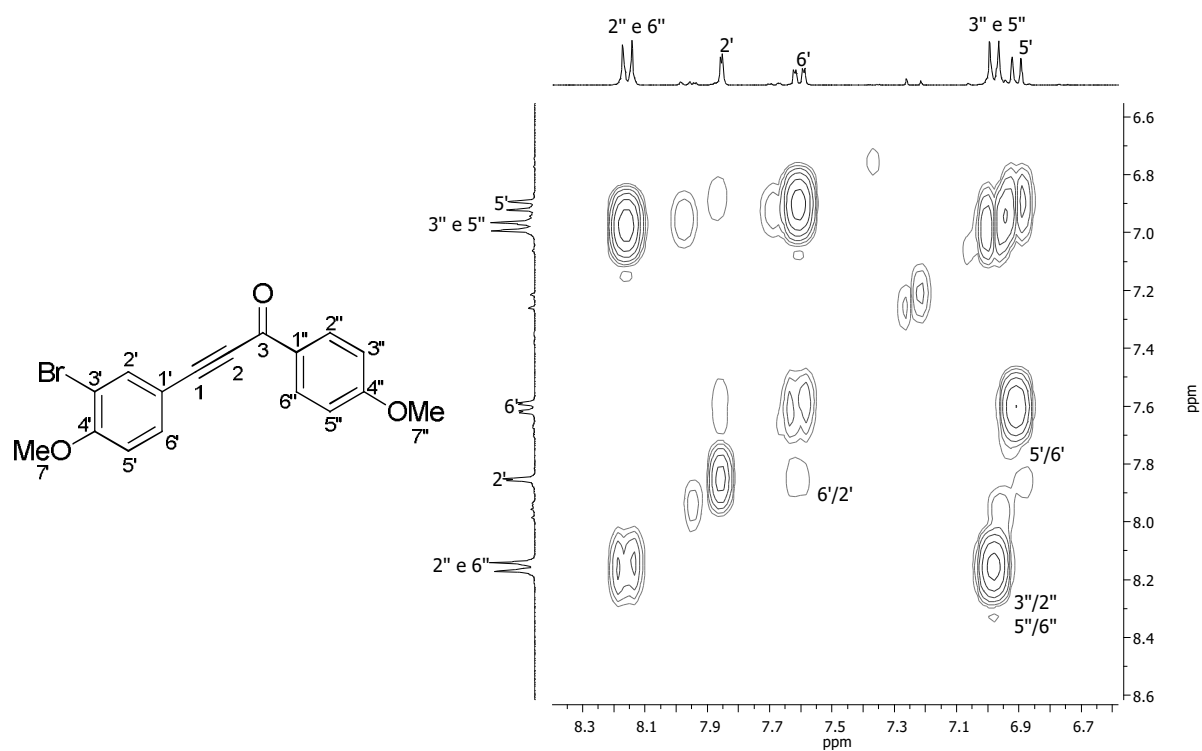


Figure 8S. Mapa de contorno *COSY* para **11b**.

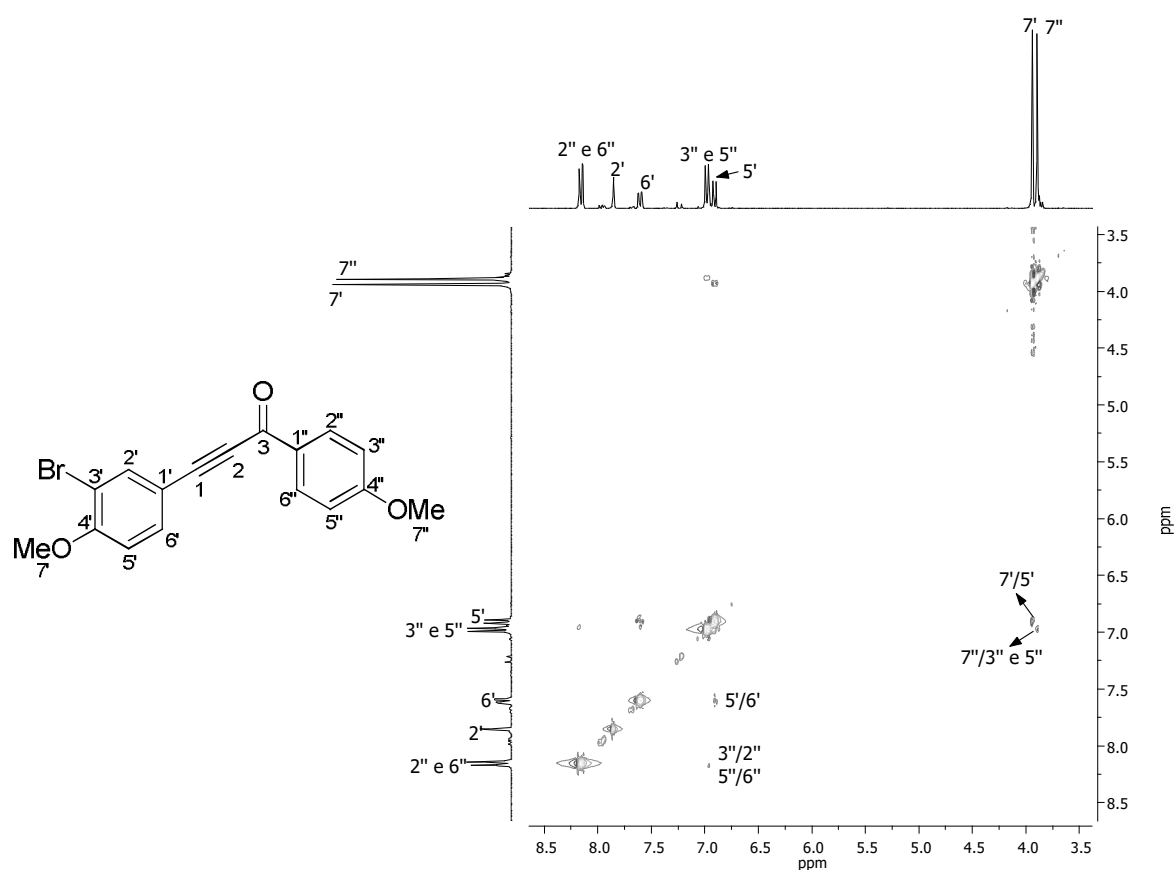


Figure 9S. Mapa de contorno *NOESY* para **11b**.

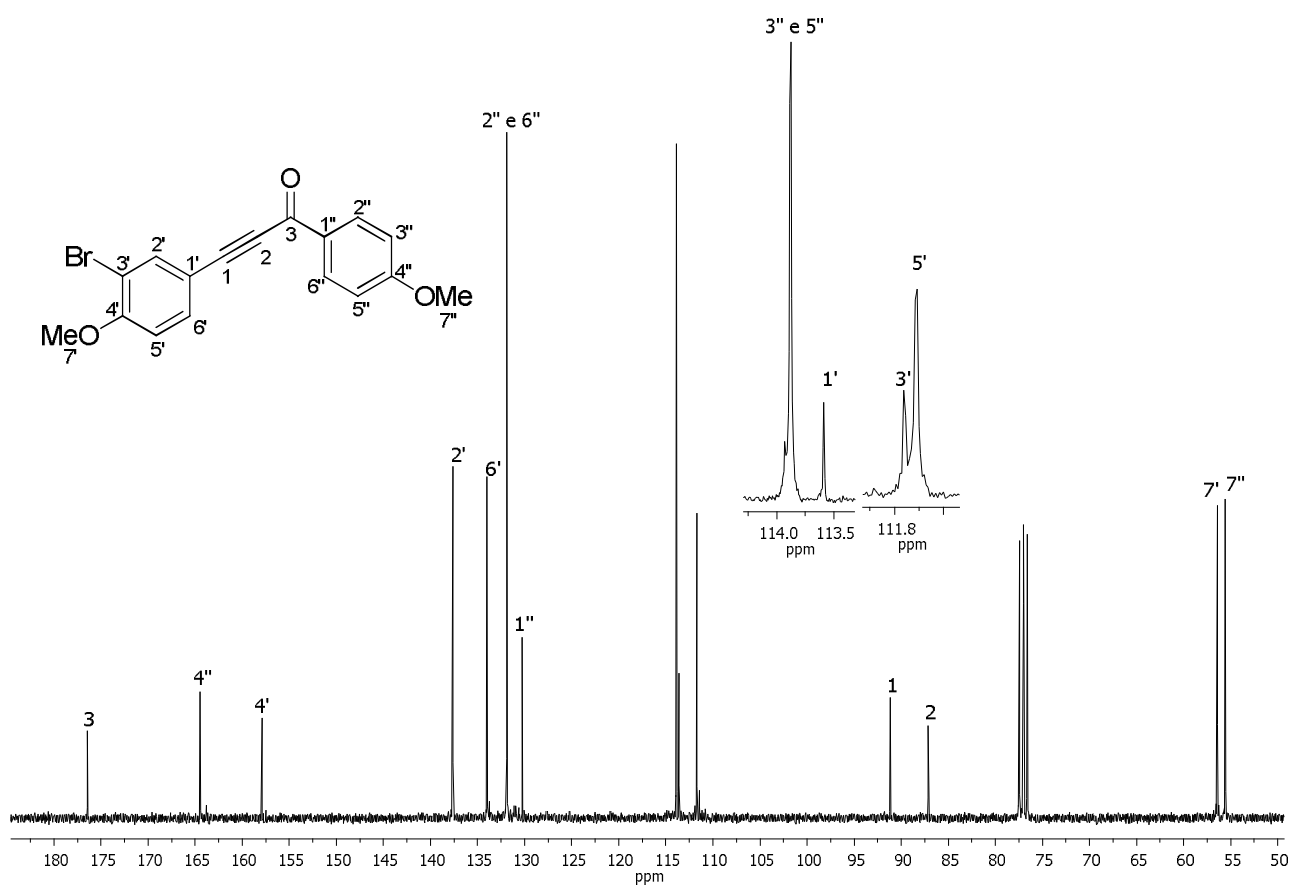


Figure 10S. RMN de ^{13}C (75 MHz, CDCl_3) para **11b**.

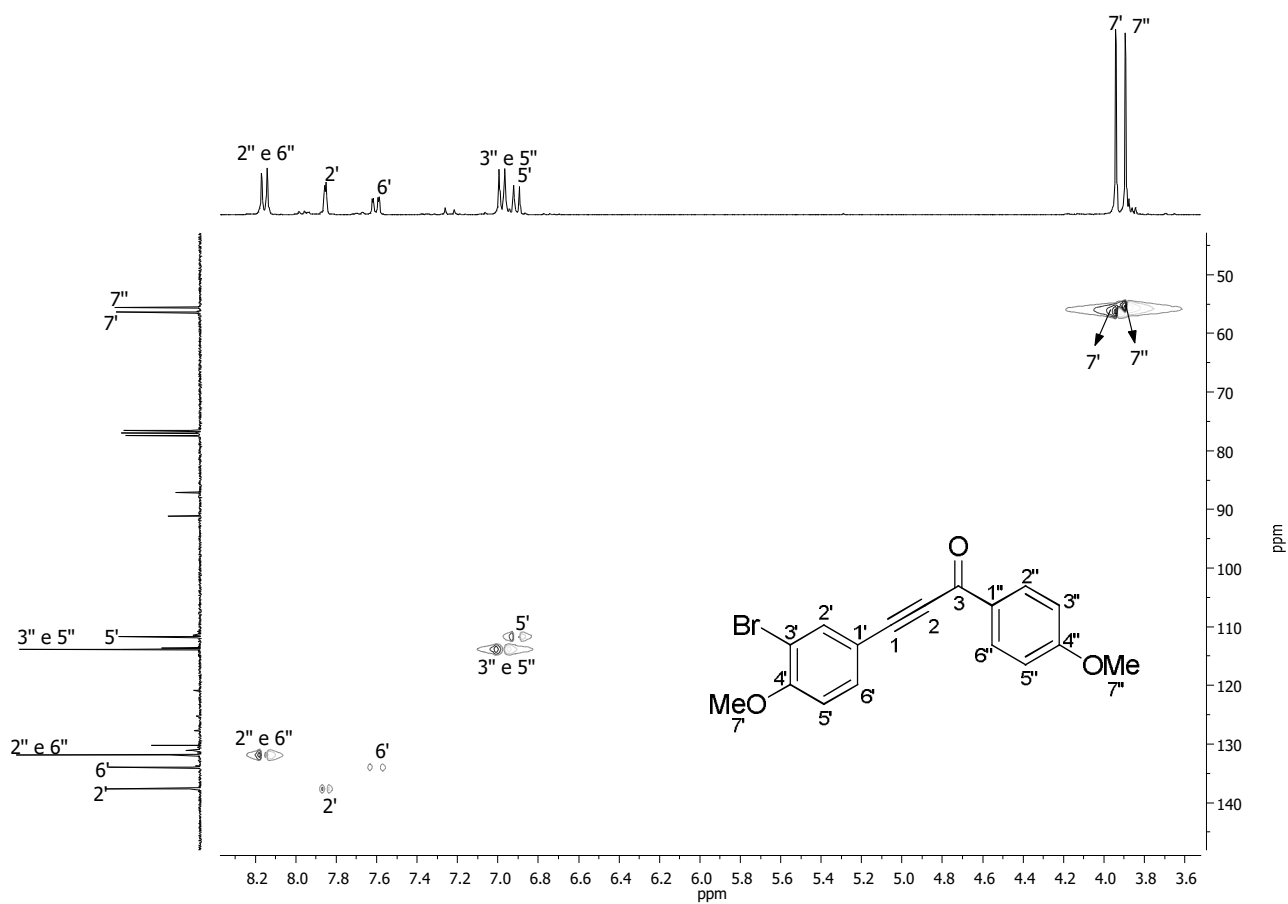


Figure 11S. Mapa de contorno *HSQC* para **11b**.

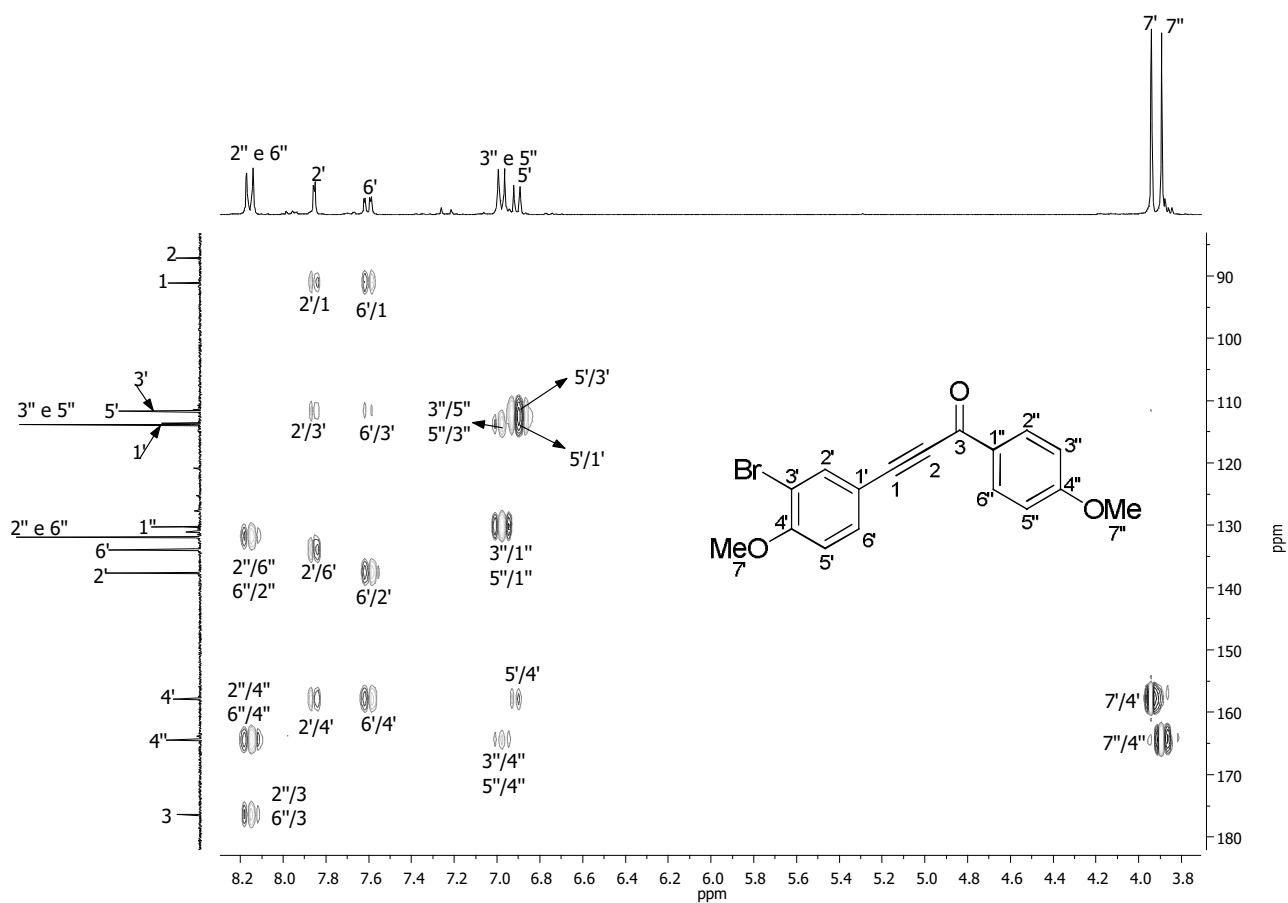


Figure 12S. Mapa de contorno *HMBC* para **11b**.

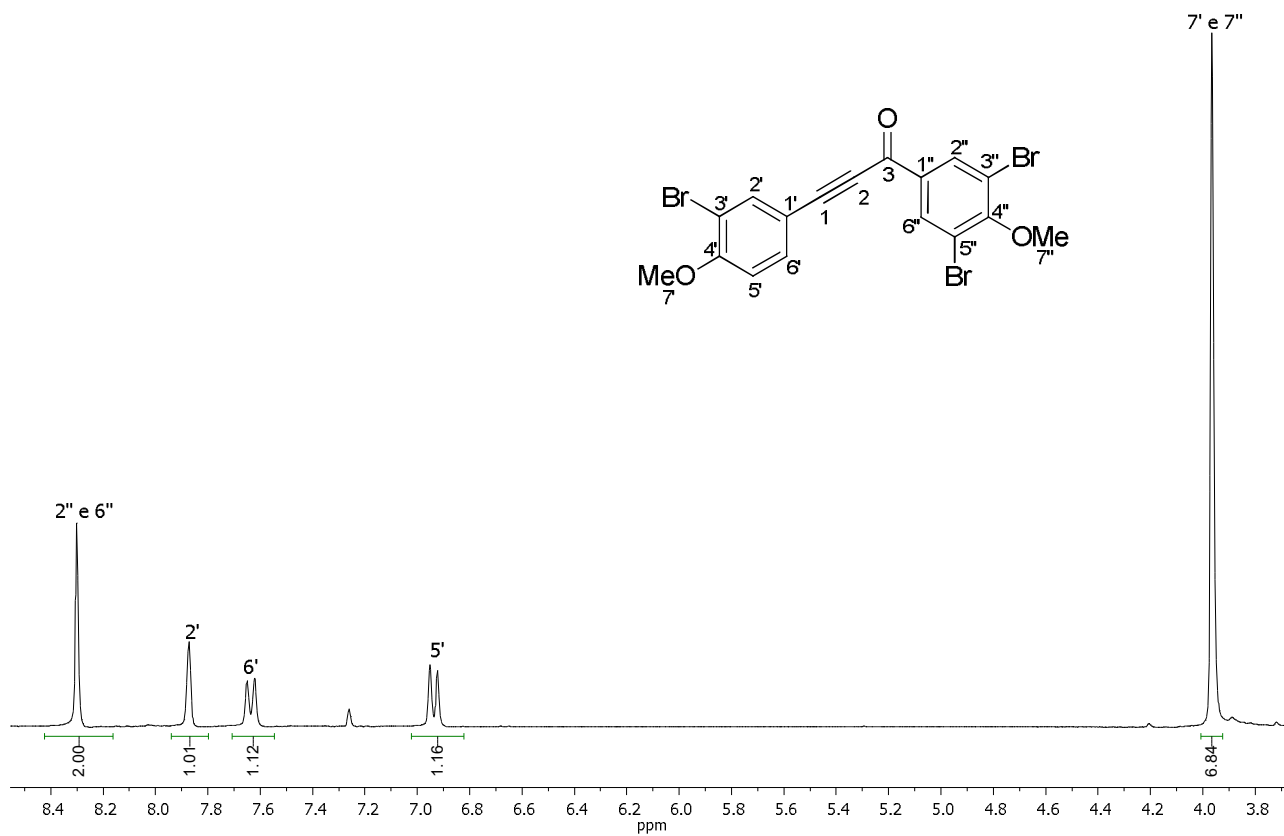


Figura 13S. RMN de ^1H (300 MHz, CDCl_3) para **11d**.

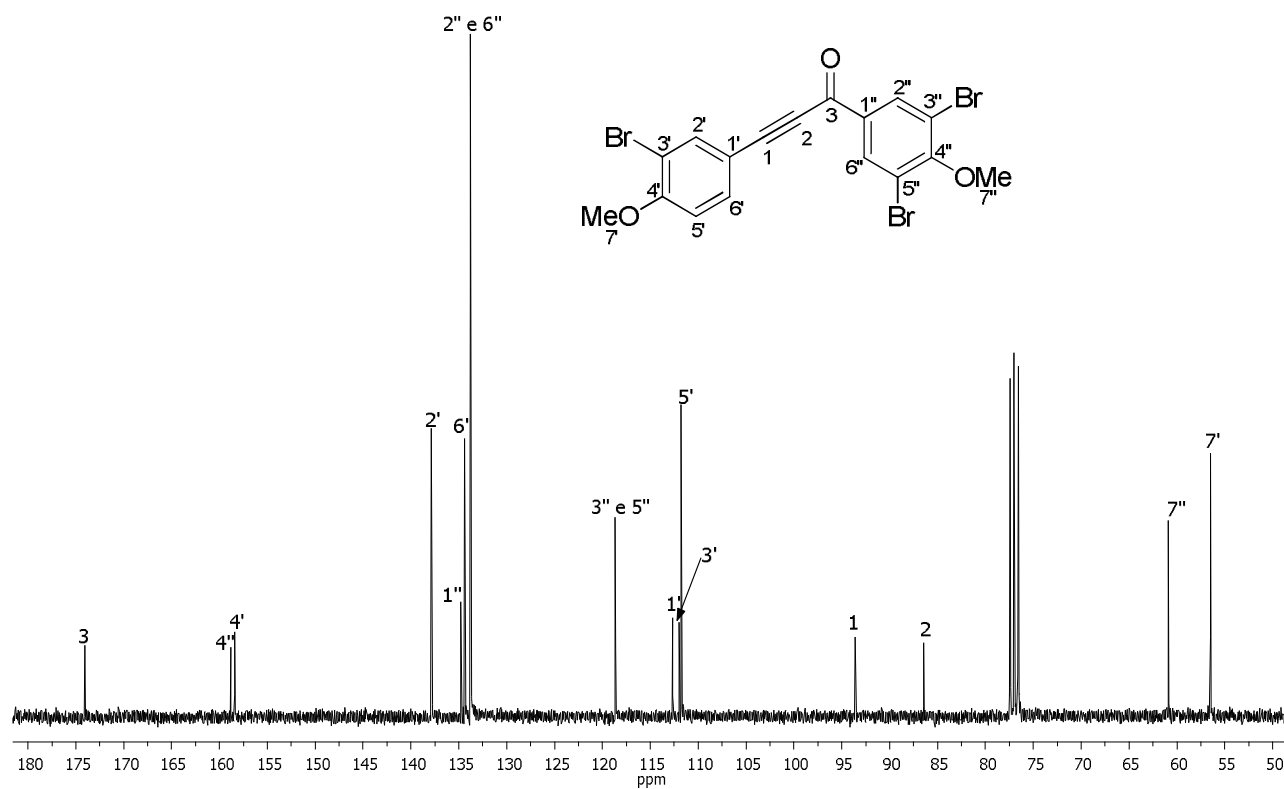


Figure 14S. RMN de ^{13}C (75 MHz, CDCl_3) para **11d**.

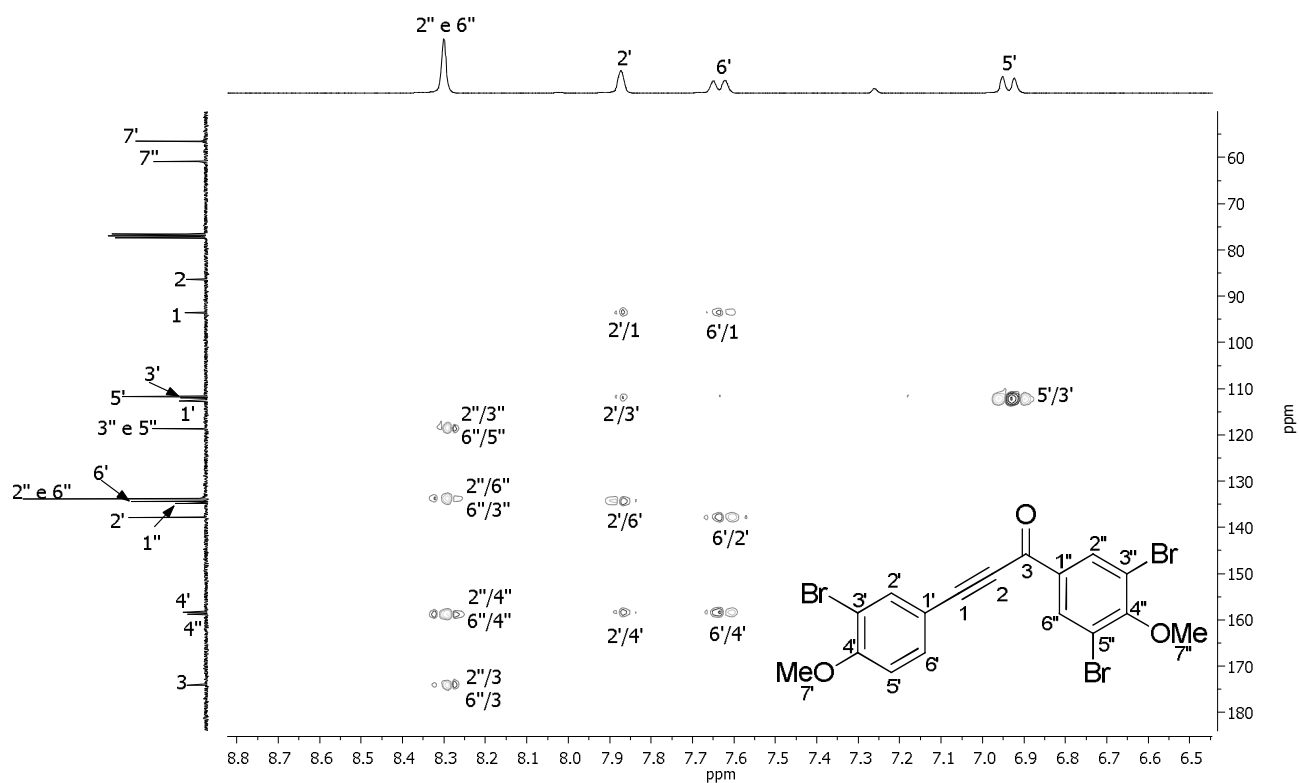


Figure 15S. Mapa de contorno ^1H NMR para **11d**.

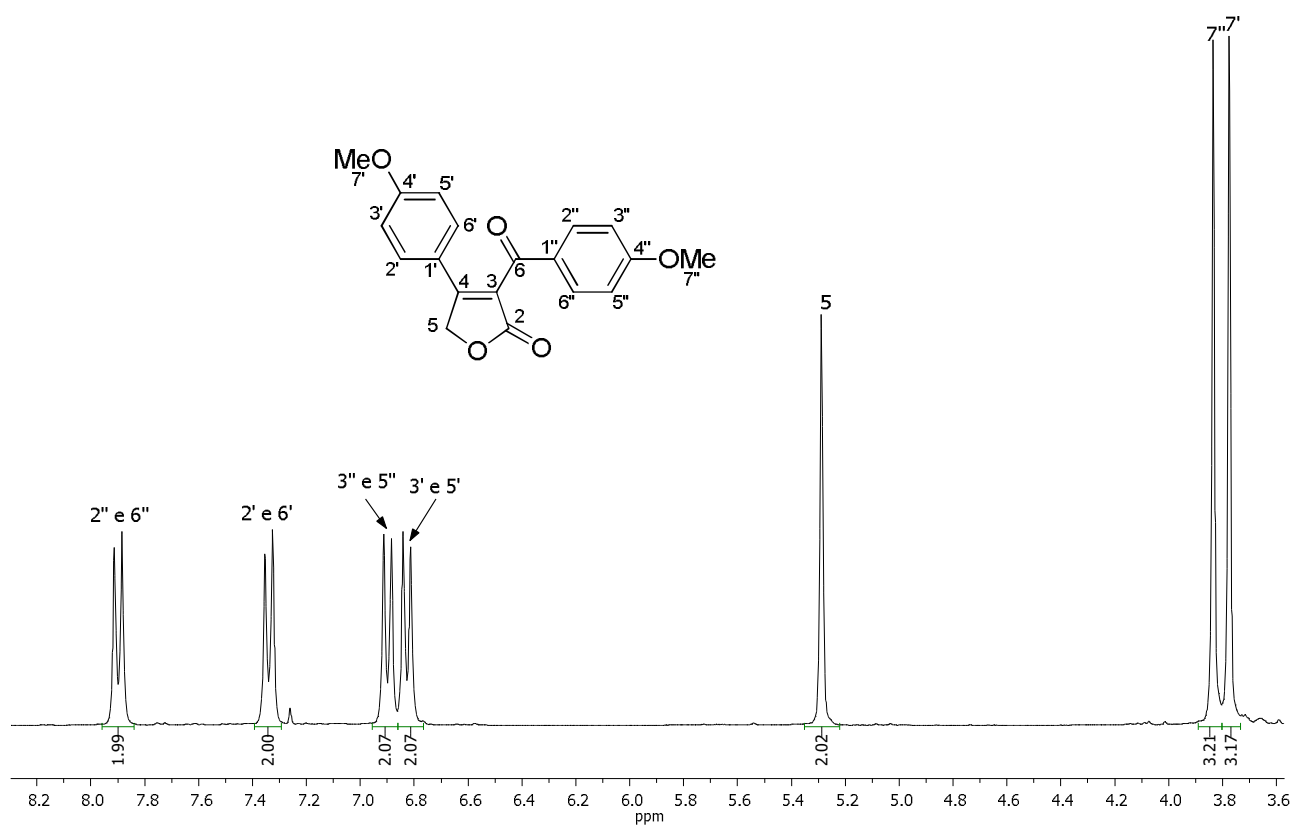


Figure 16S. RMN de ^1H (300 MHz, CDCl_3) para **14a**.

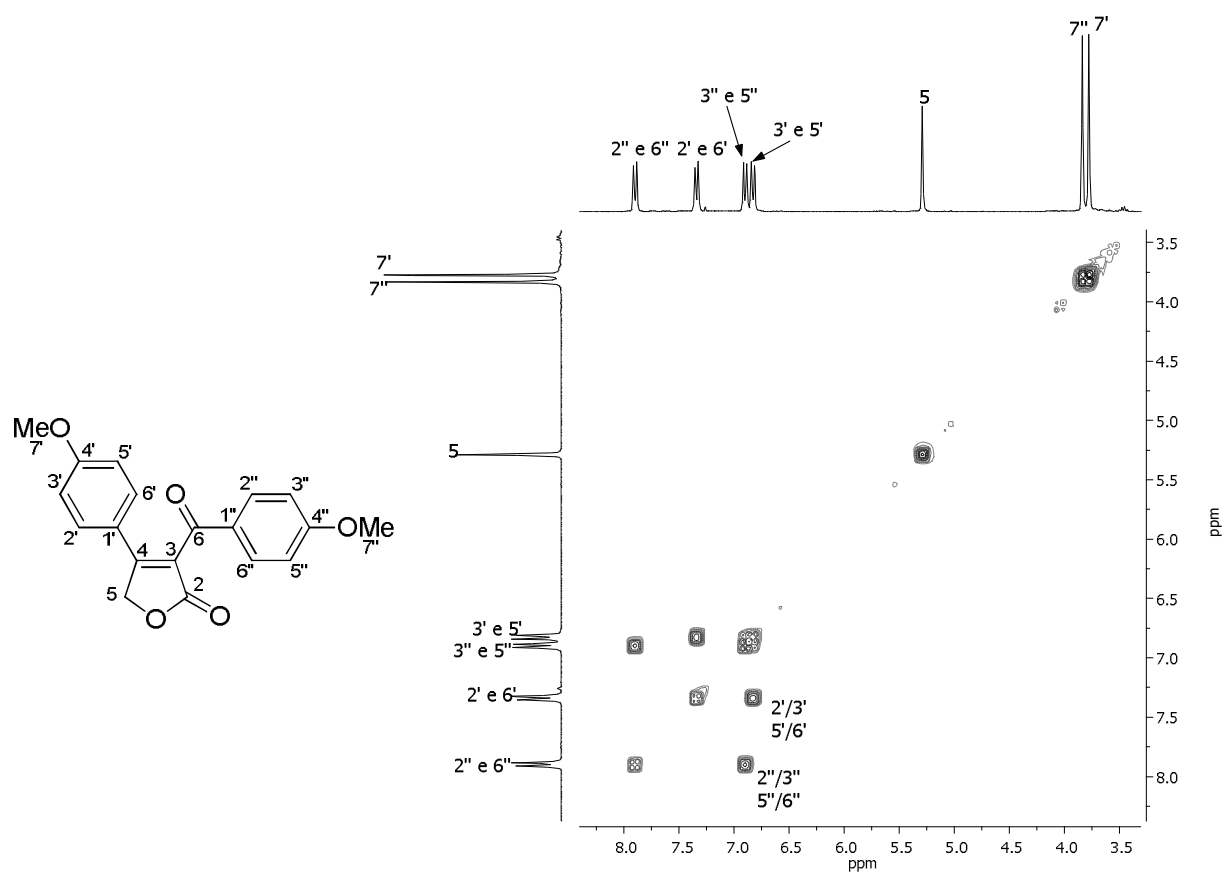


Figure 17S. Mapa de contorno *COSY* para **14a**.

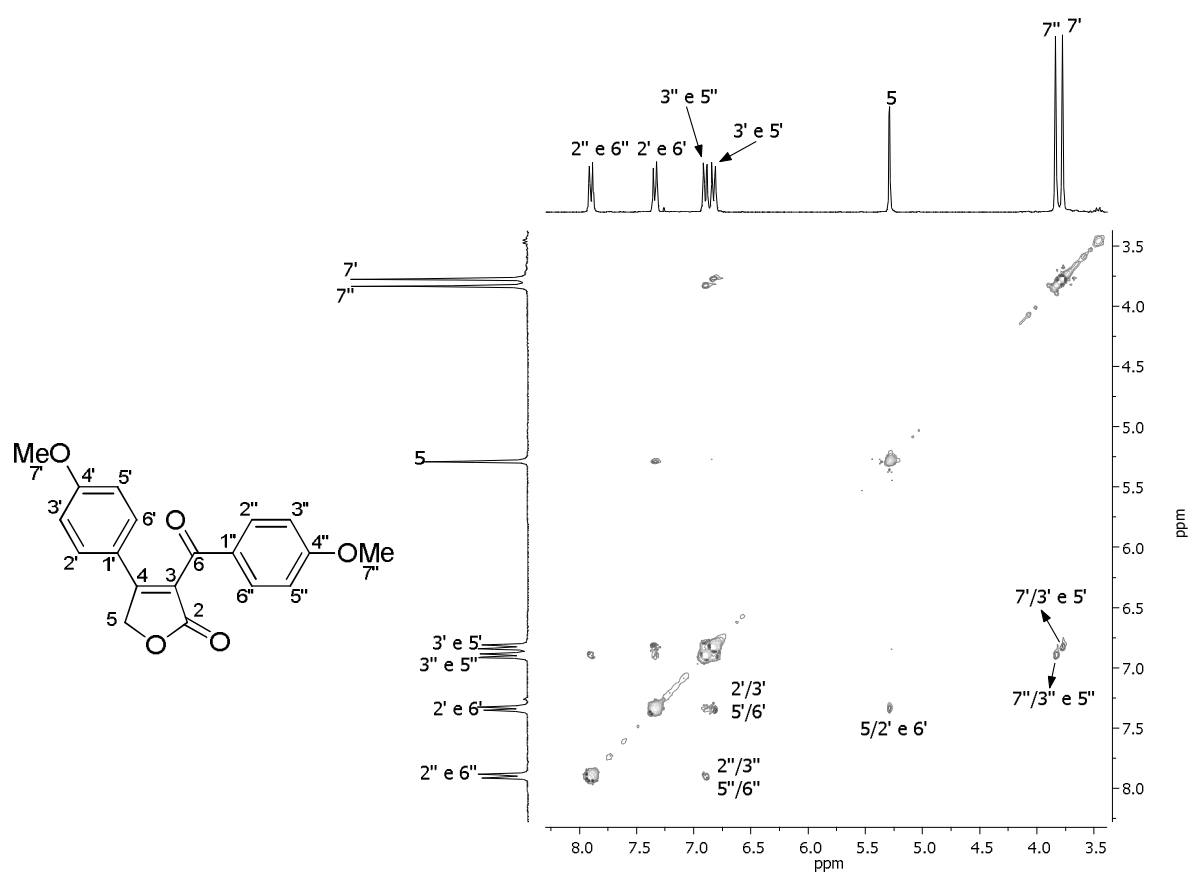


Figure 18S. Mapa de contorno *NOESY* para **14a**.

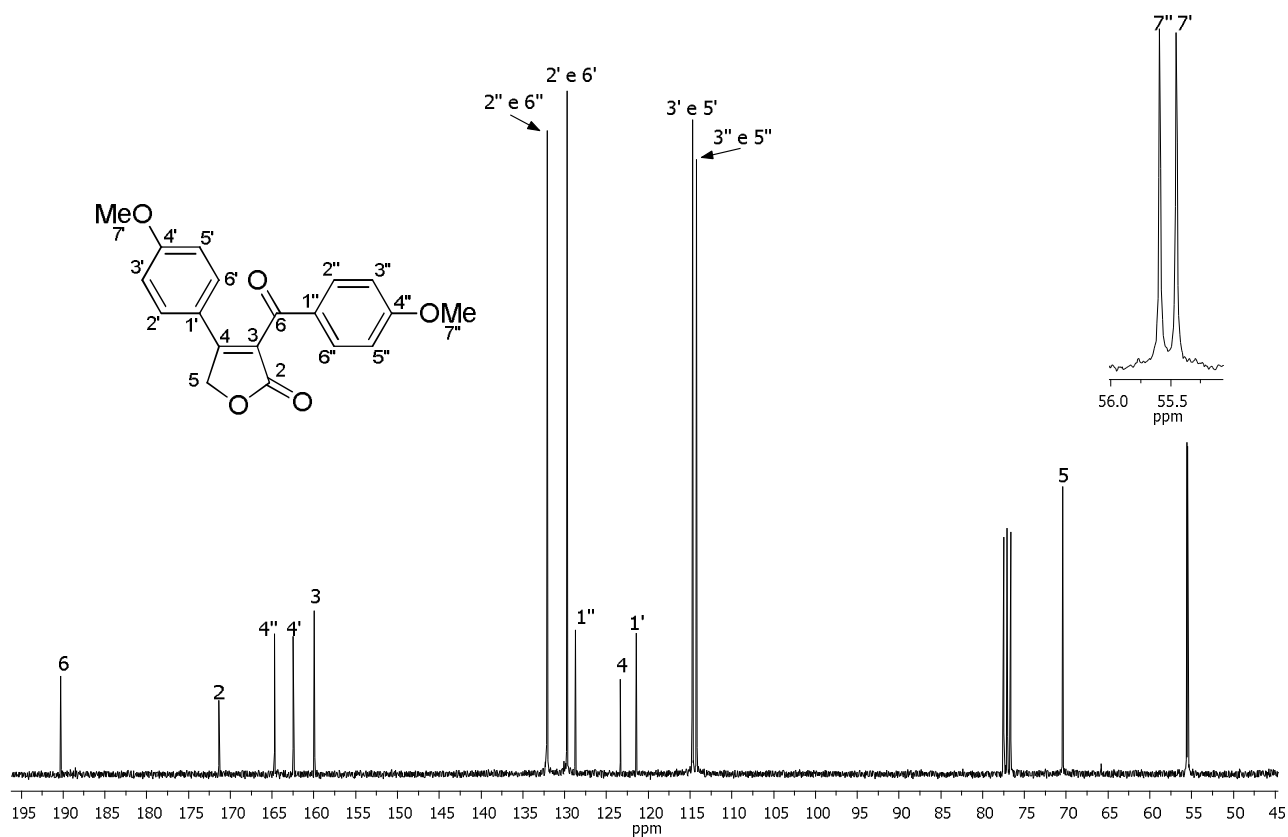


Figure 19S. RMN de ^{13}C (75 MHz, CDCl_3) para **14a**.

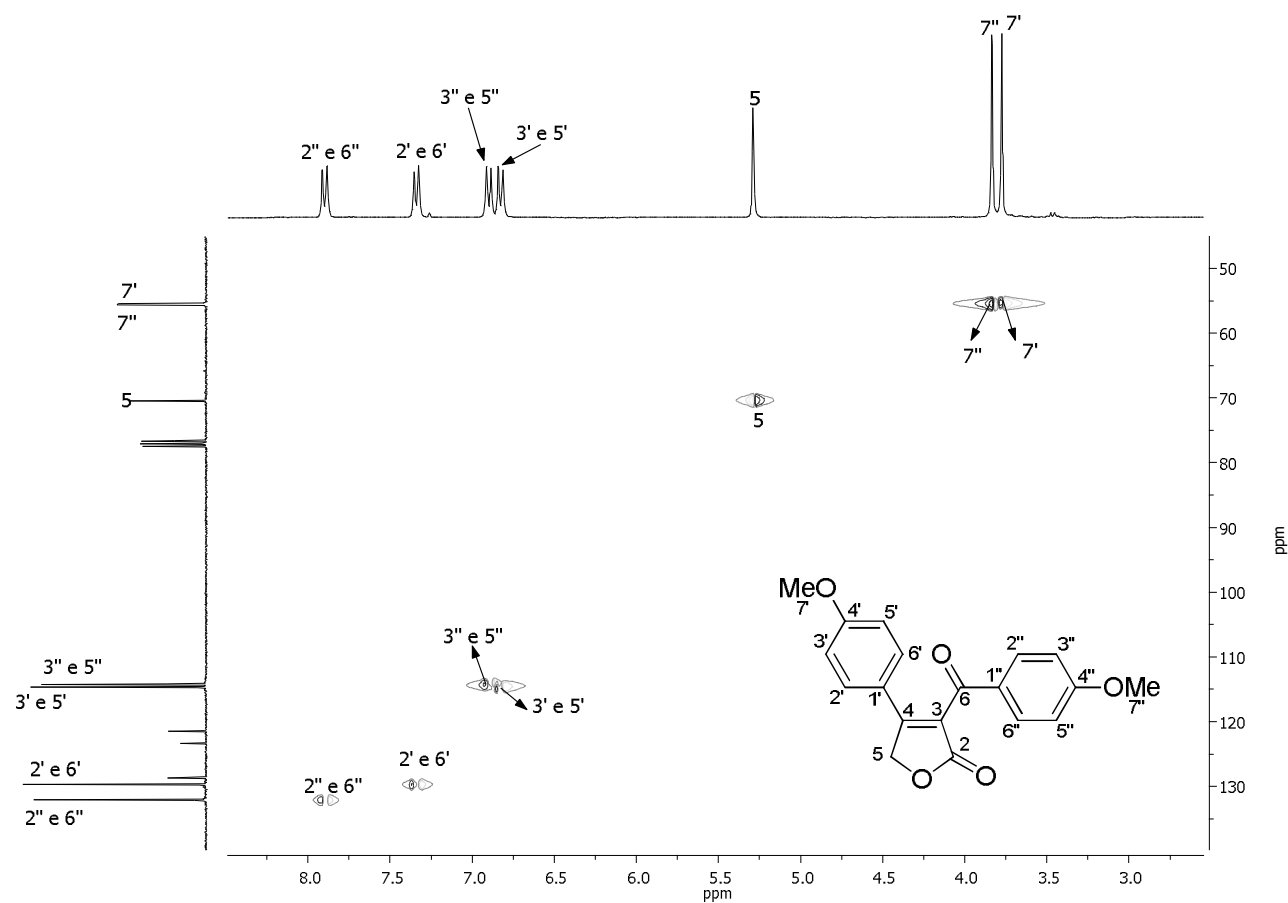
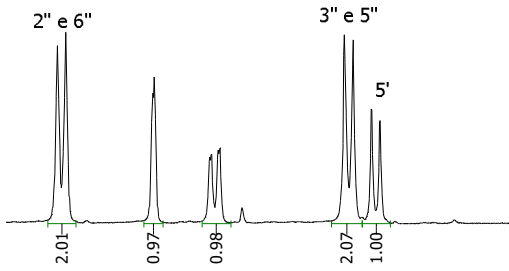
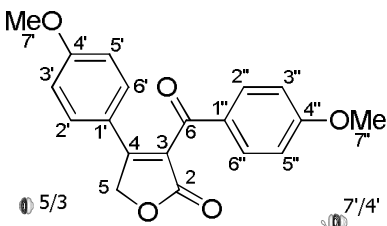


Figure 20S. Mapa de contorno *HSQC* para **14a**.



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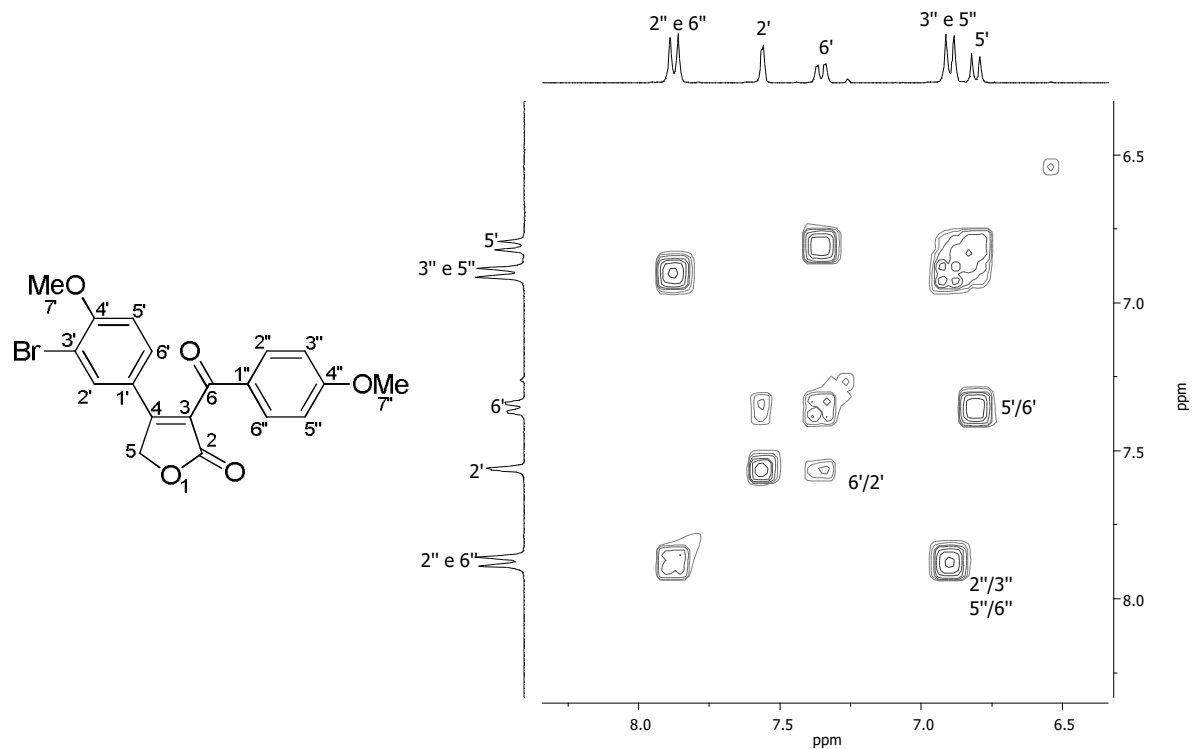


Figure 23S. Mapa de contorno *COSY* para **14c**.

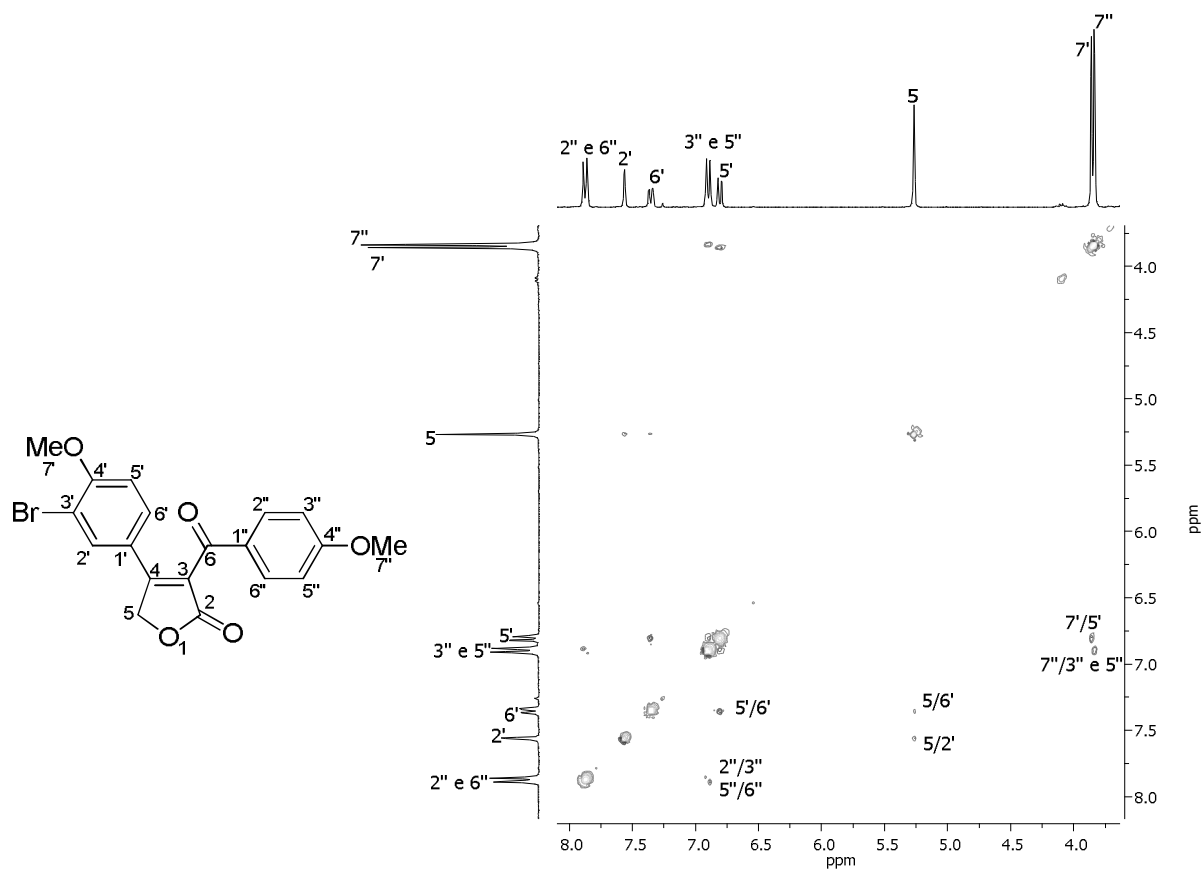


Figure 24S. Mapa de contorno *NOESY* para **14c**.

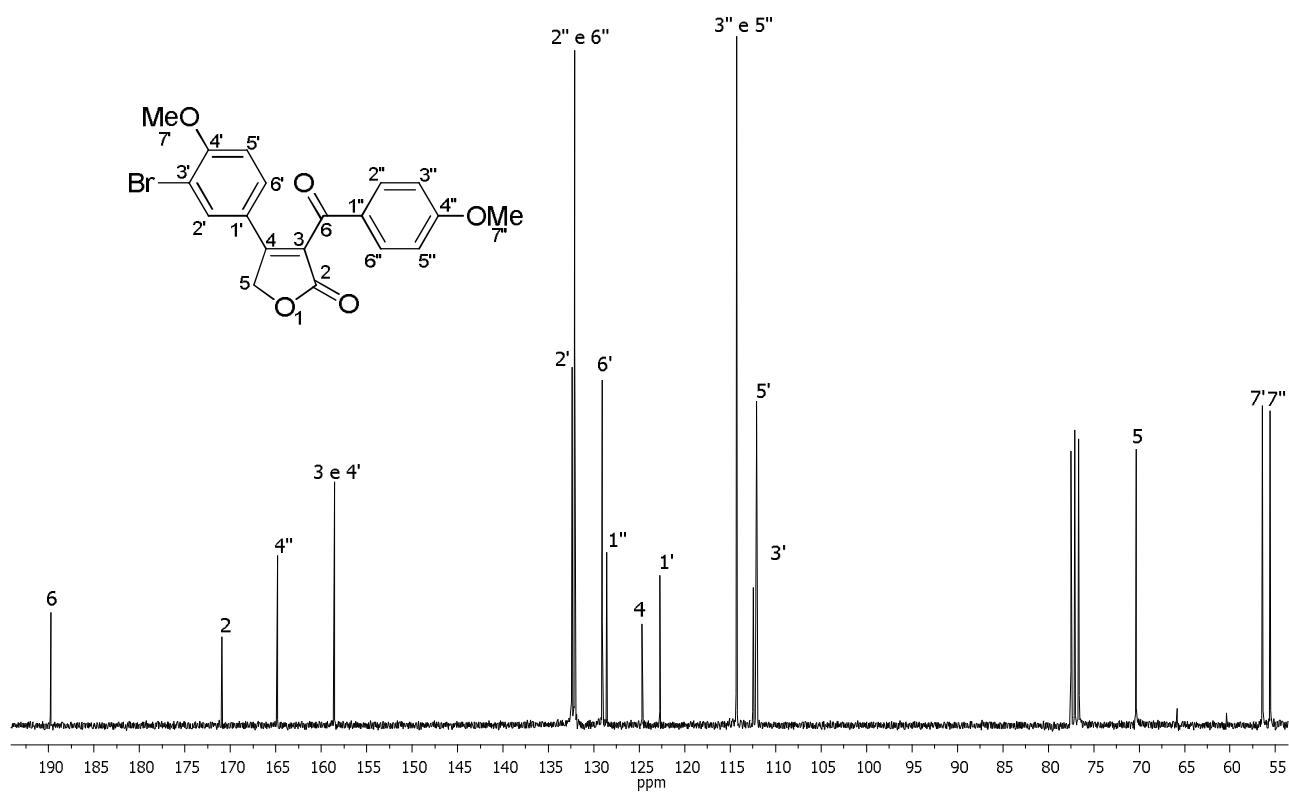


Figure 25S. RMN de ^{13}C (75 MHz, CDCl_3) para **14c**.

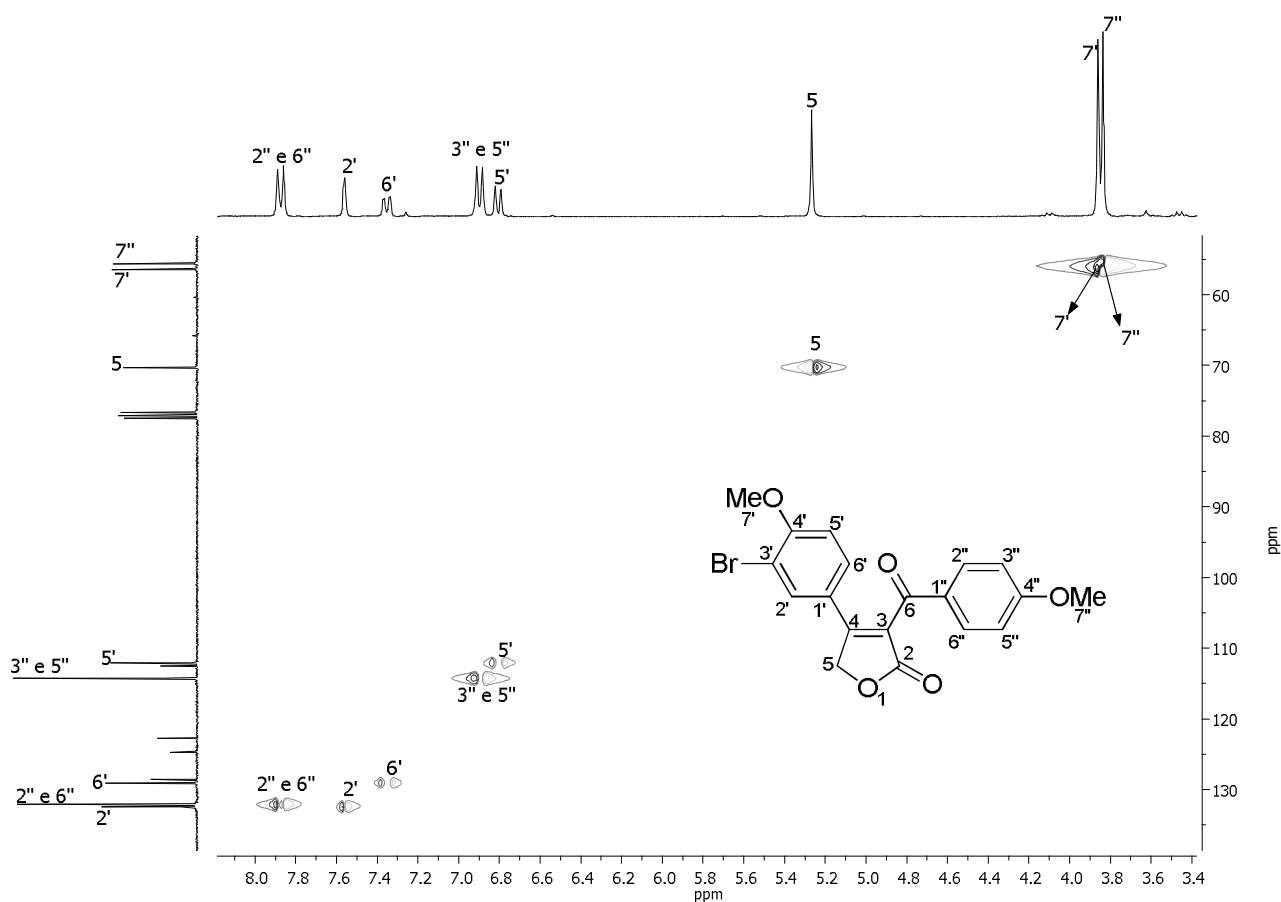


Figure 26S. Mapa de contorno *HSQC* para **14c**.

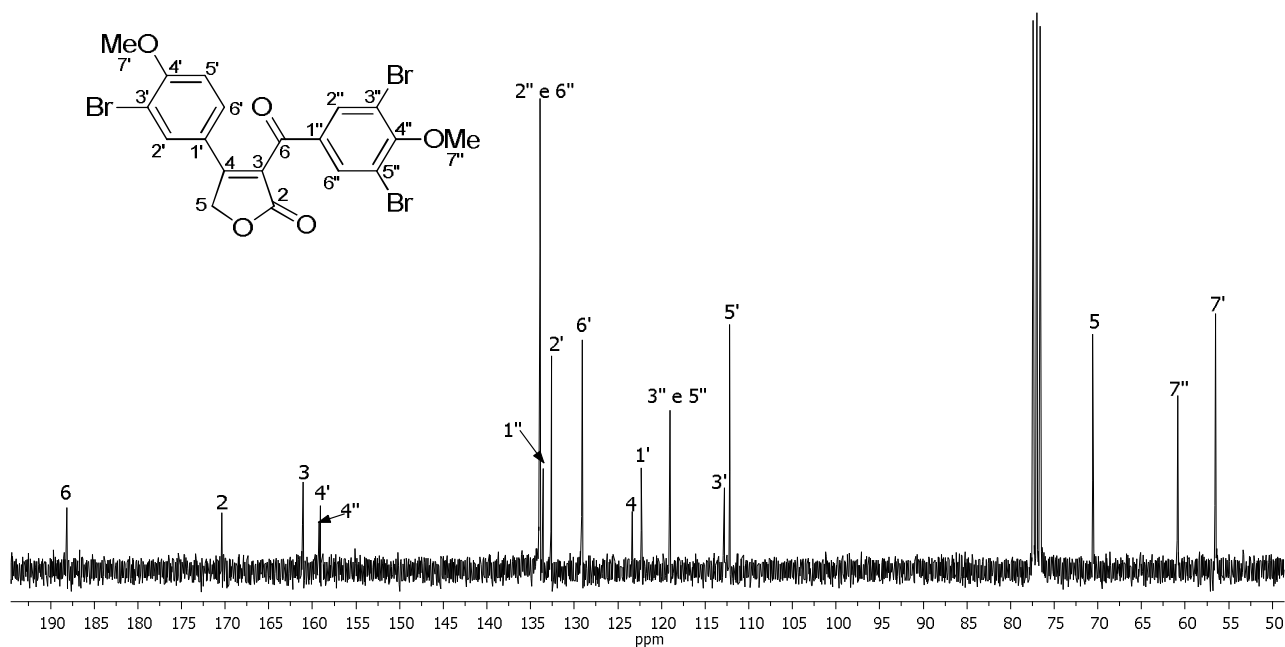


Figure 29S. RMN de ^{13}C (75 MHz, CDCl_3) para **14d**.

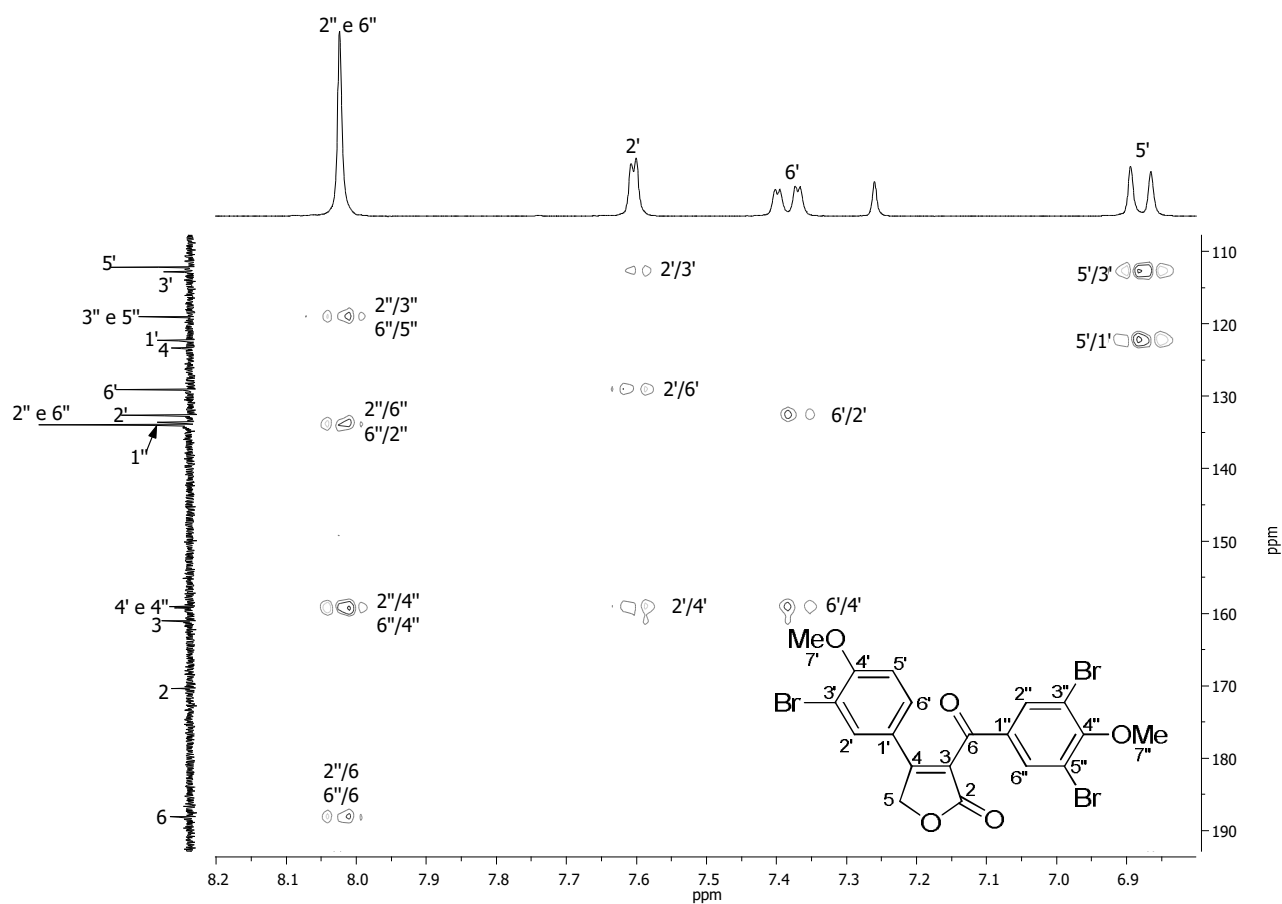


Figure 30S. Mapa de contorno *HMBC* para **14d**.

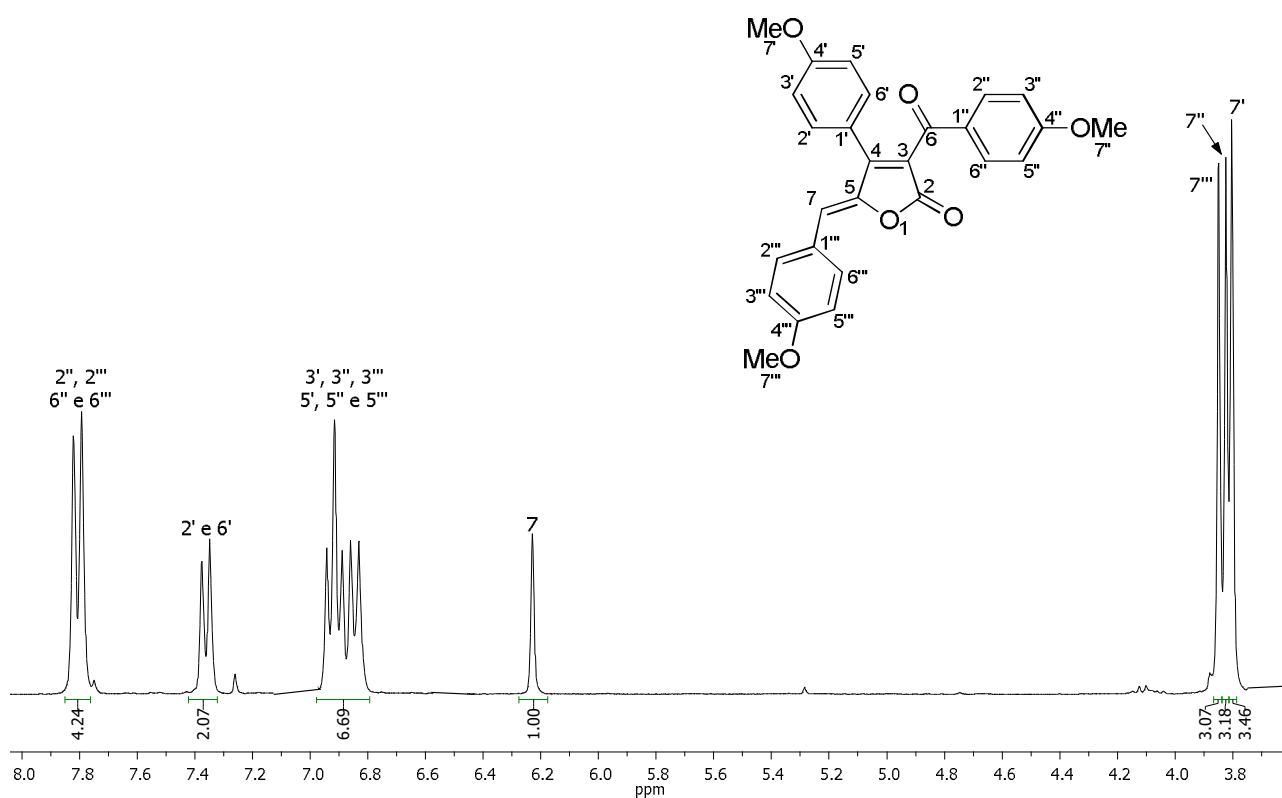


Figura 31S. RMN de ^1H (300 MHz, CDCl_3) para **15a**.

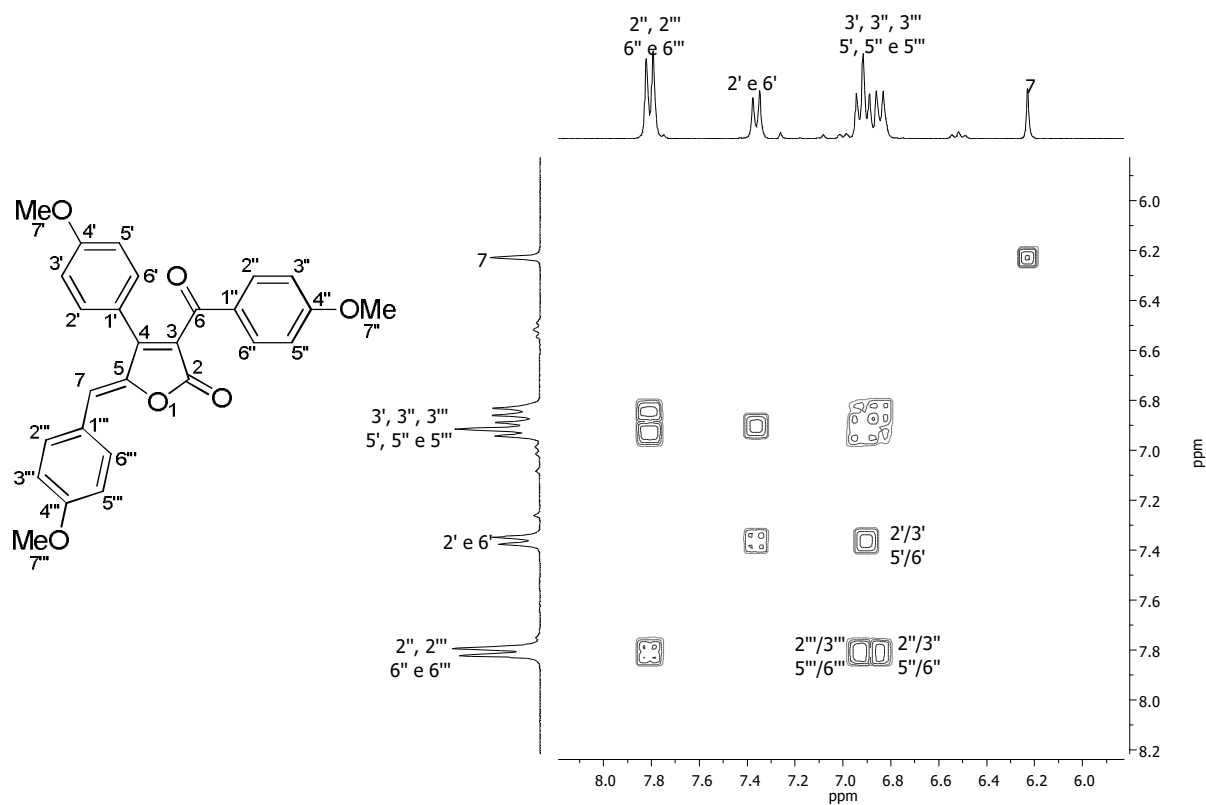


Figure 32S. Mapa de contorno *COSY* para **15a**.

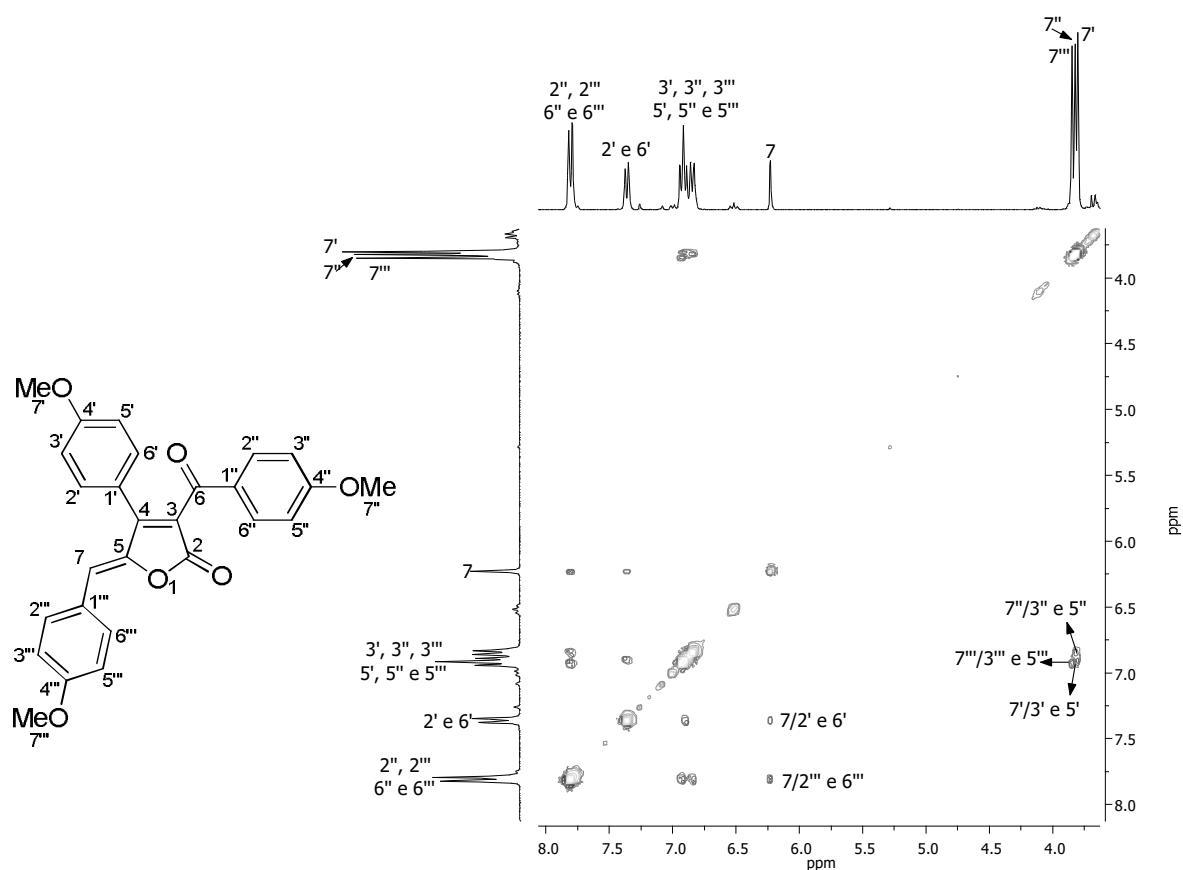


Figure 33S. Mapa de contorno *NOESY* para **15a**.

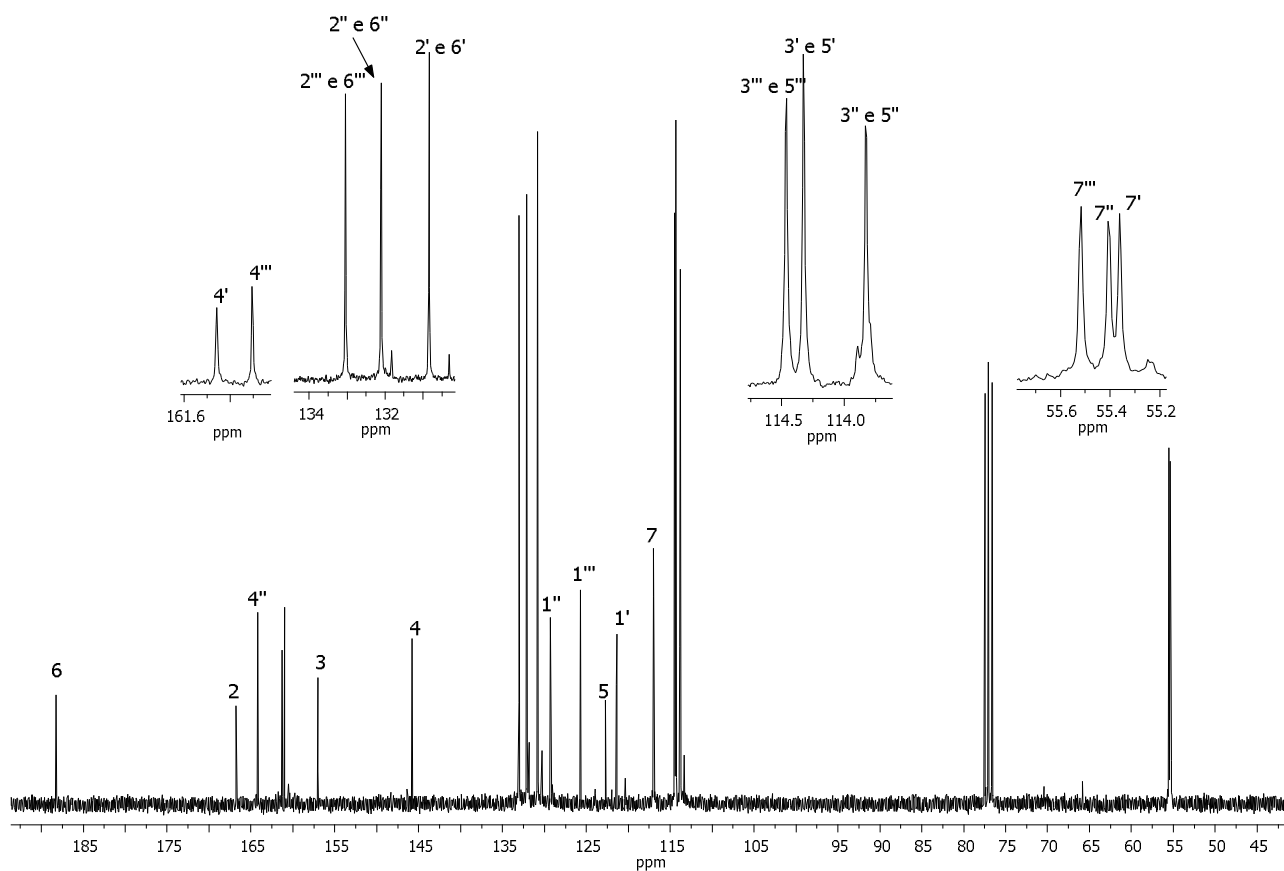


Figure 34S. RMN de ^{13}C (75 MHz, CDCl_3) para **15a**.

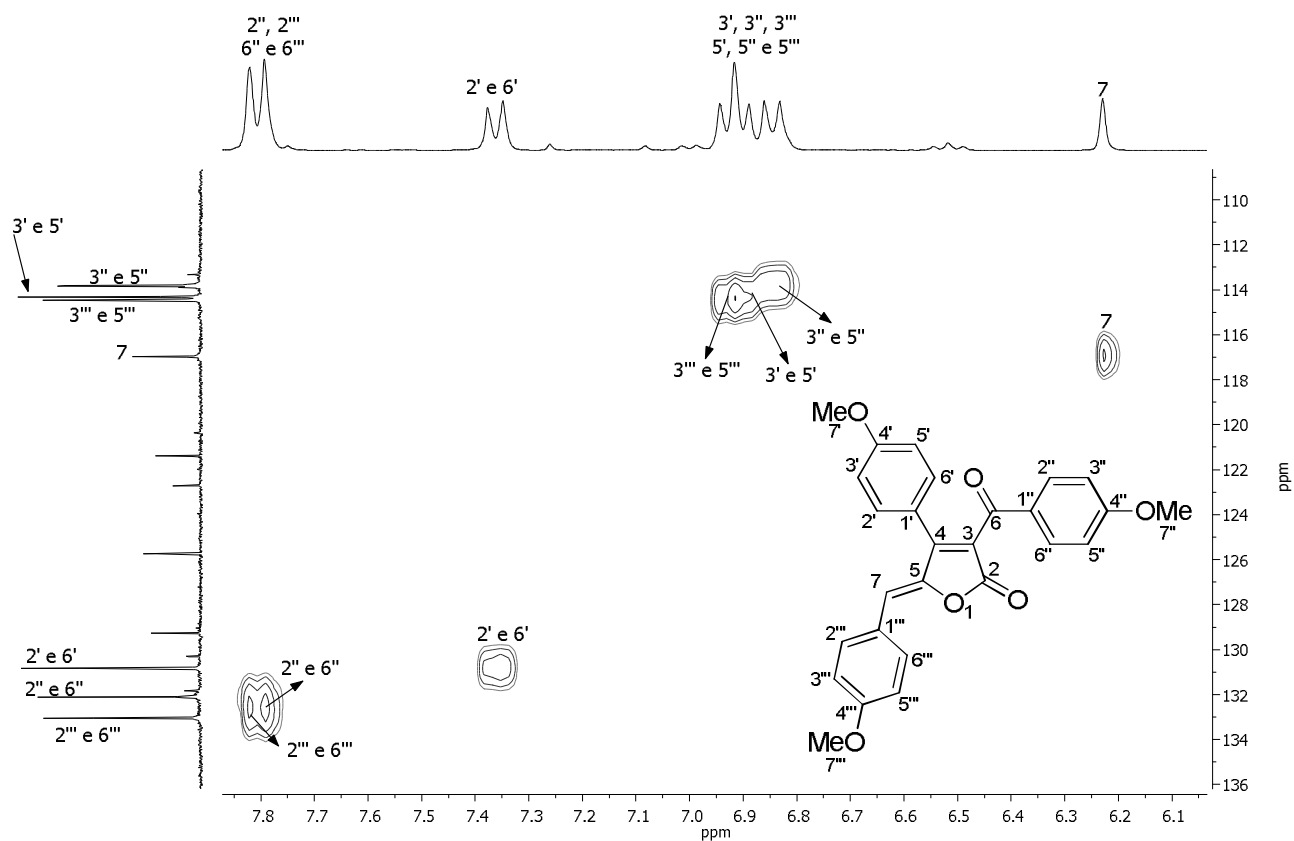


Figure 35S. Mapa de contorno *HSQC* para **15a**.

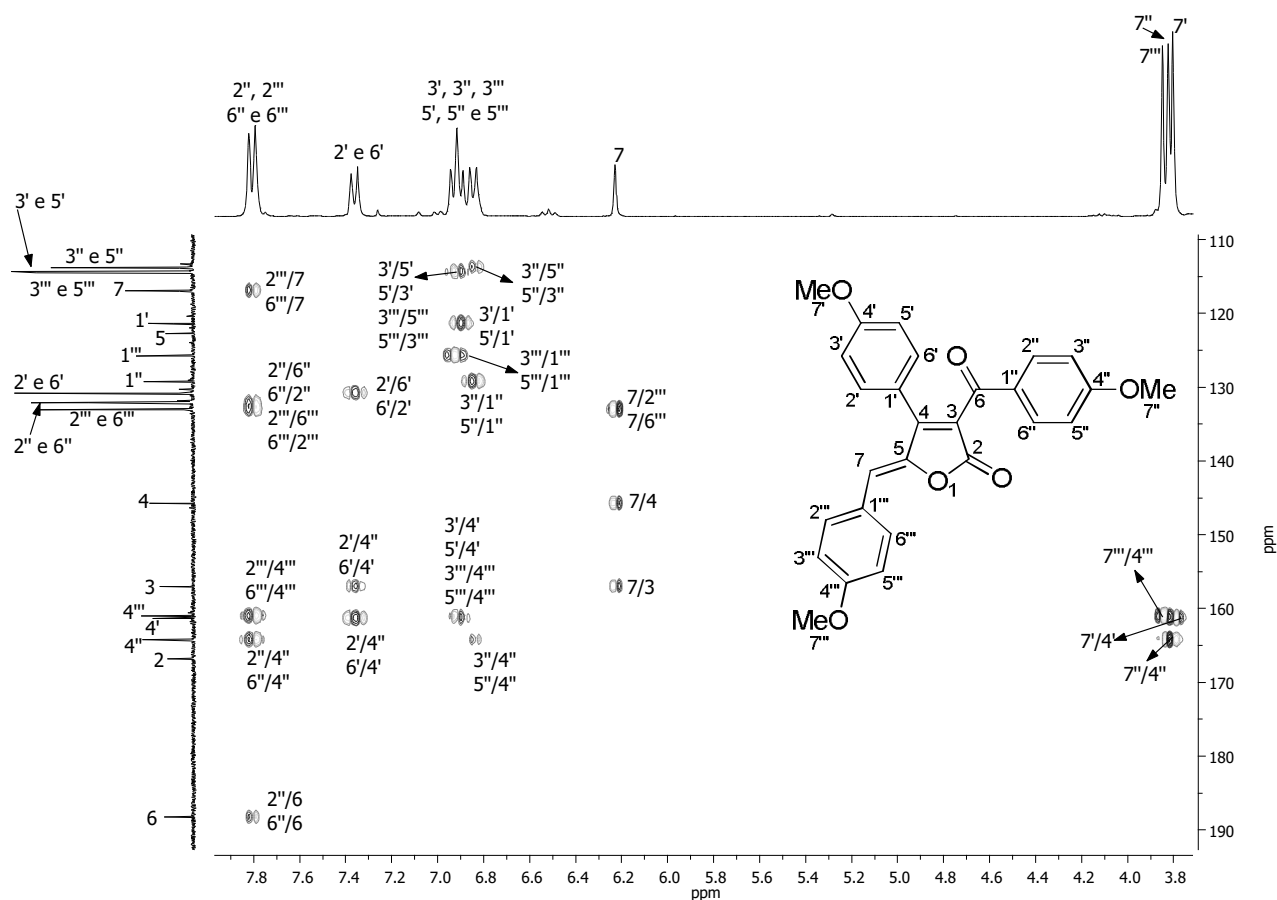


Figure 36S. Mapa de contorno *HMBC* para **15a**.

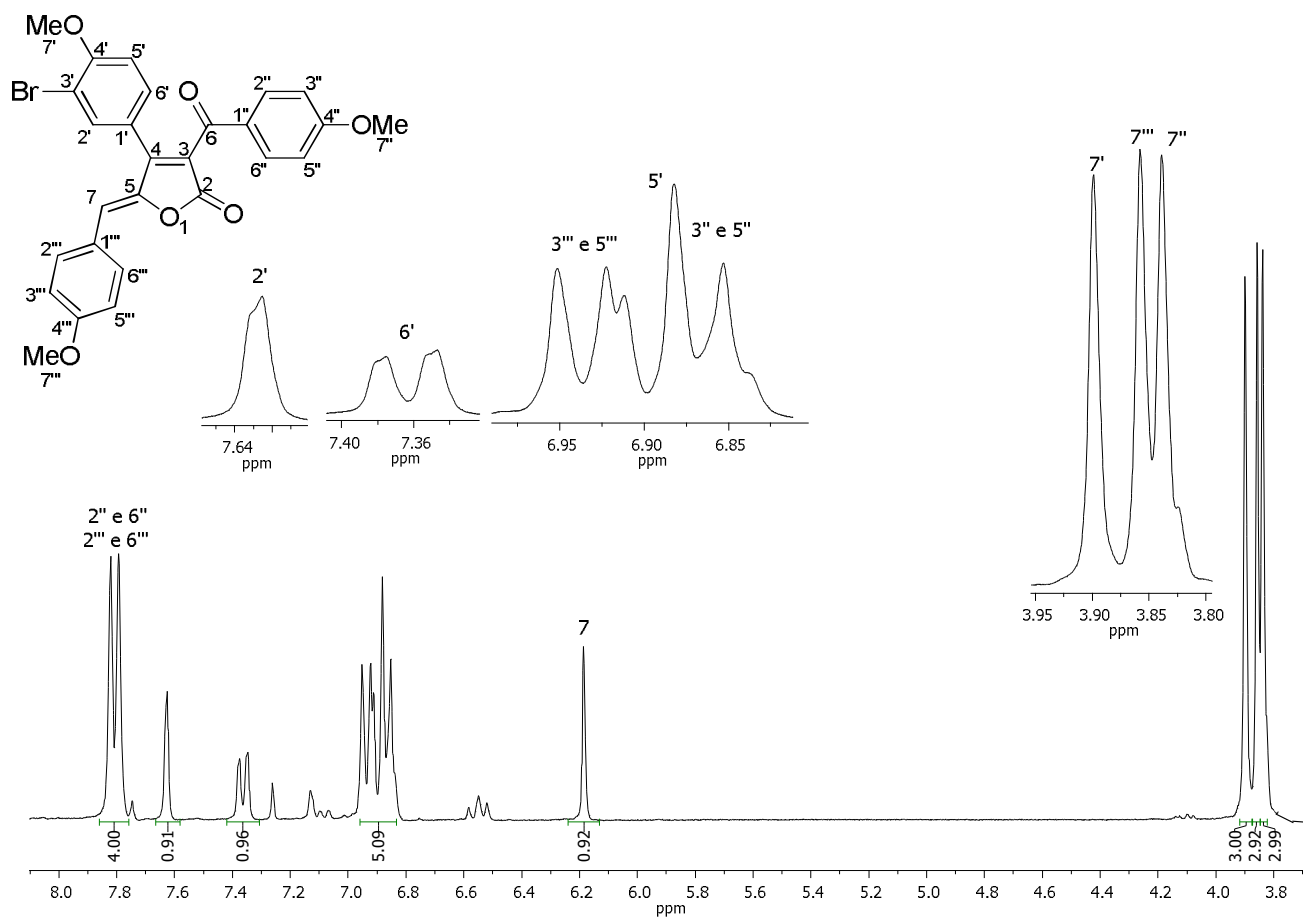


Figura 37S. RMN de ^1H (300 MHz, CDCl_3) para **15f**.

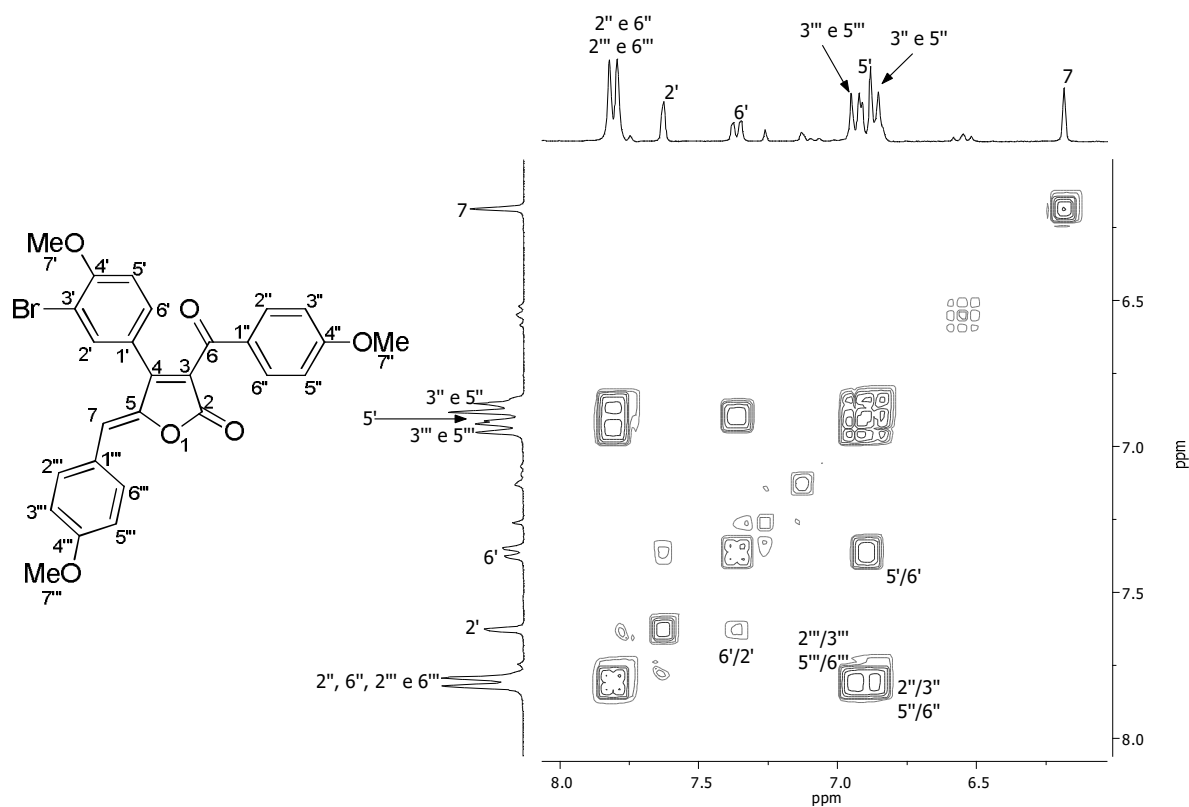


Figure 38S. Mapa de contorno *COSY* para **15f**.

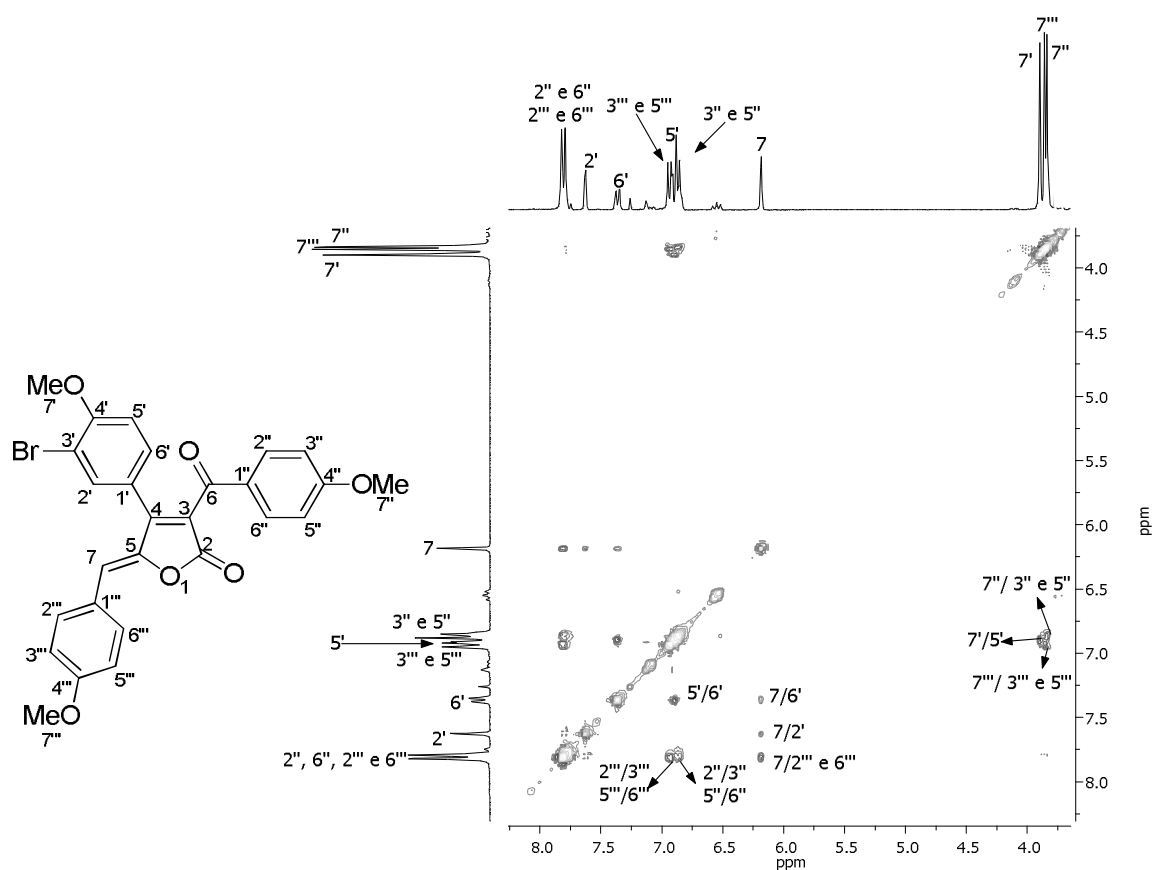


Figure 39S. Mapa de contorno *NOESY* para **15f**.

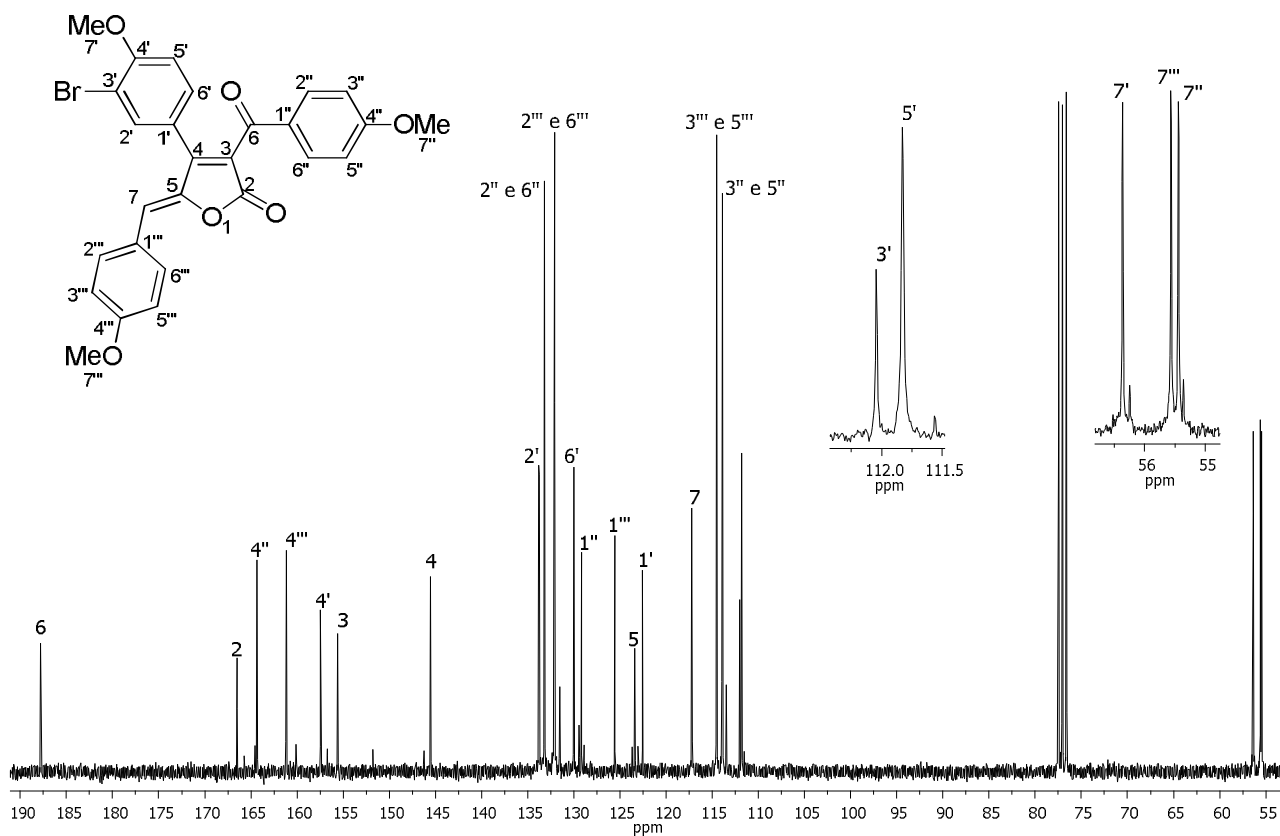


Figure 40S. RMN de ^{13}C (75 MHz, CDCl_3) para **15f**.

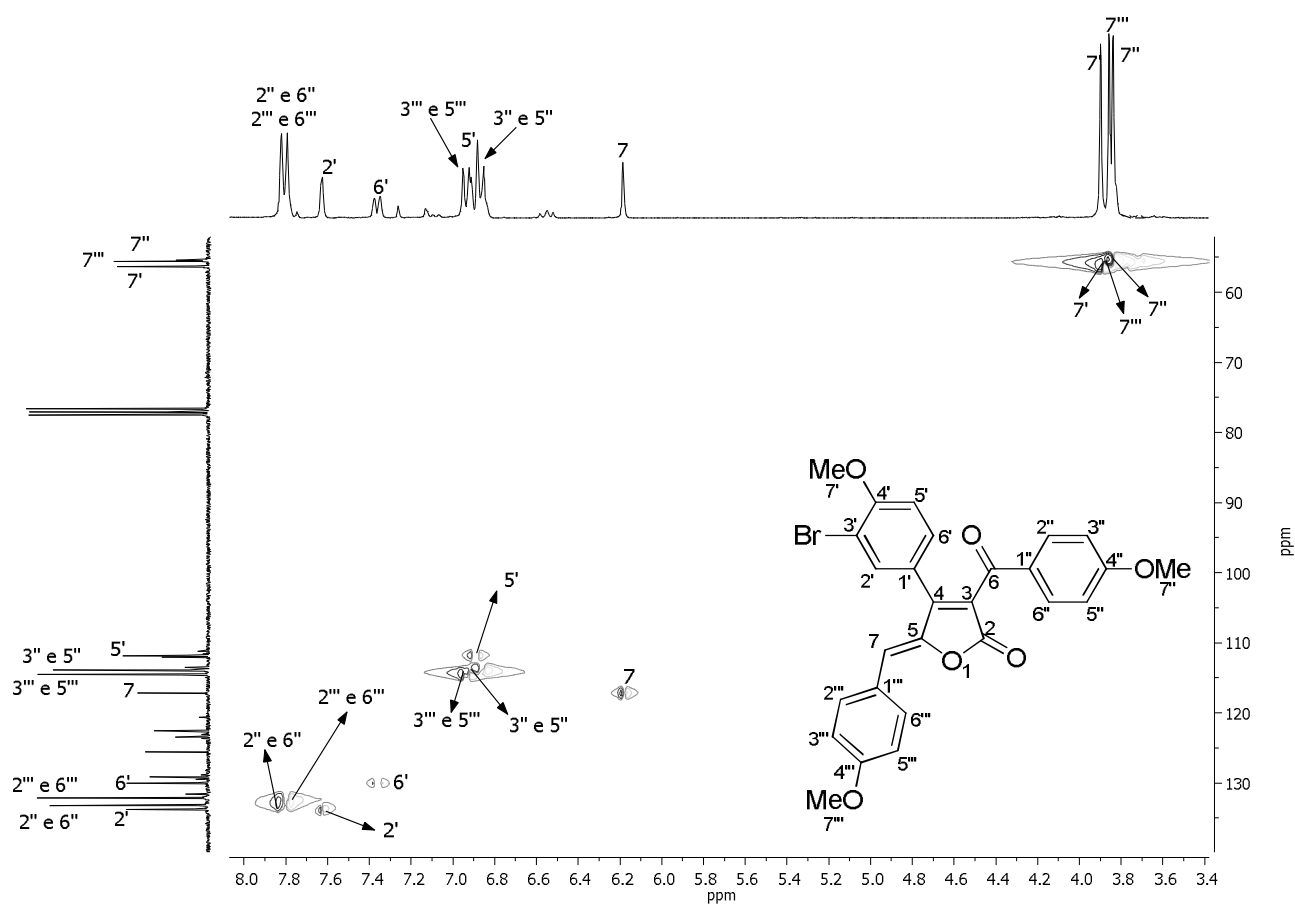


Figure 41S. Mapa de contorno *HSQC* para **15f**.

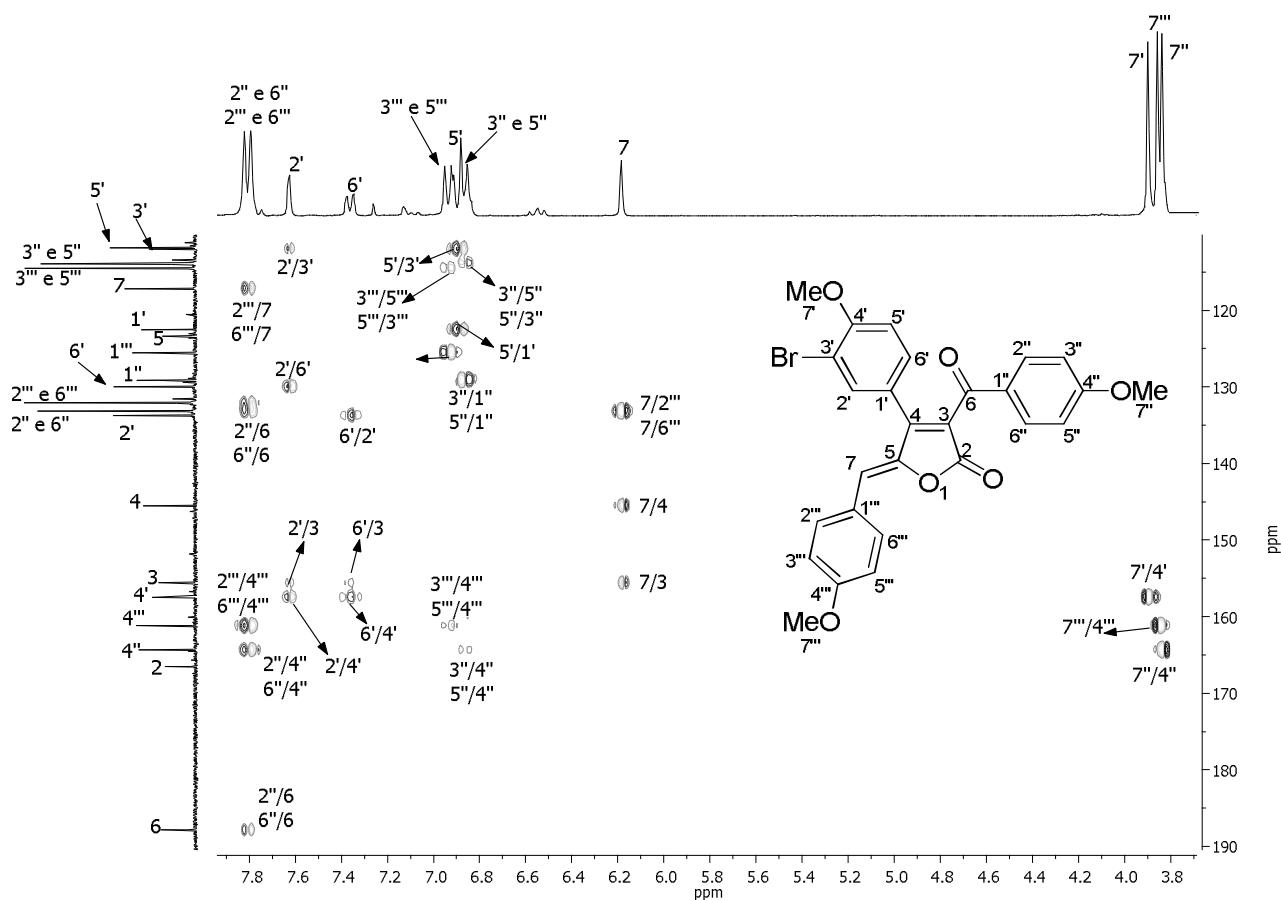


Figure 42S. Mapa de contorno *HMBC* para **15f**.

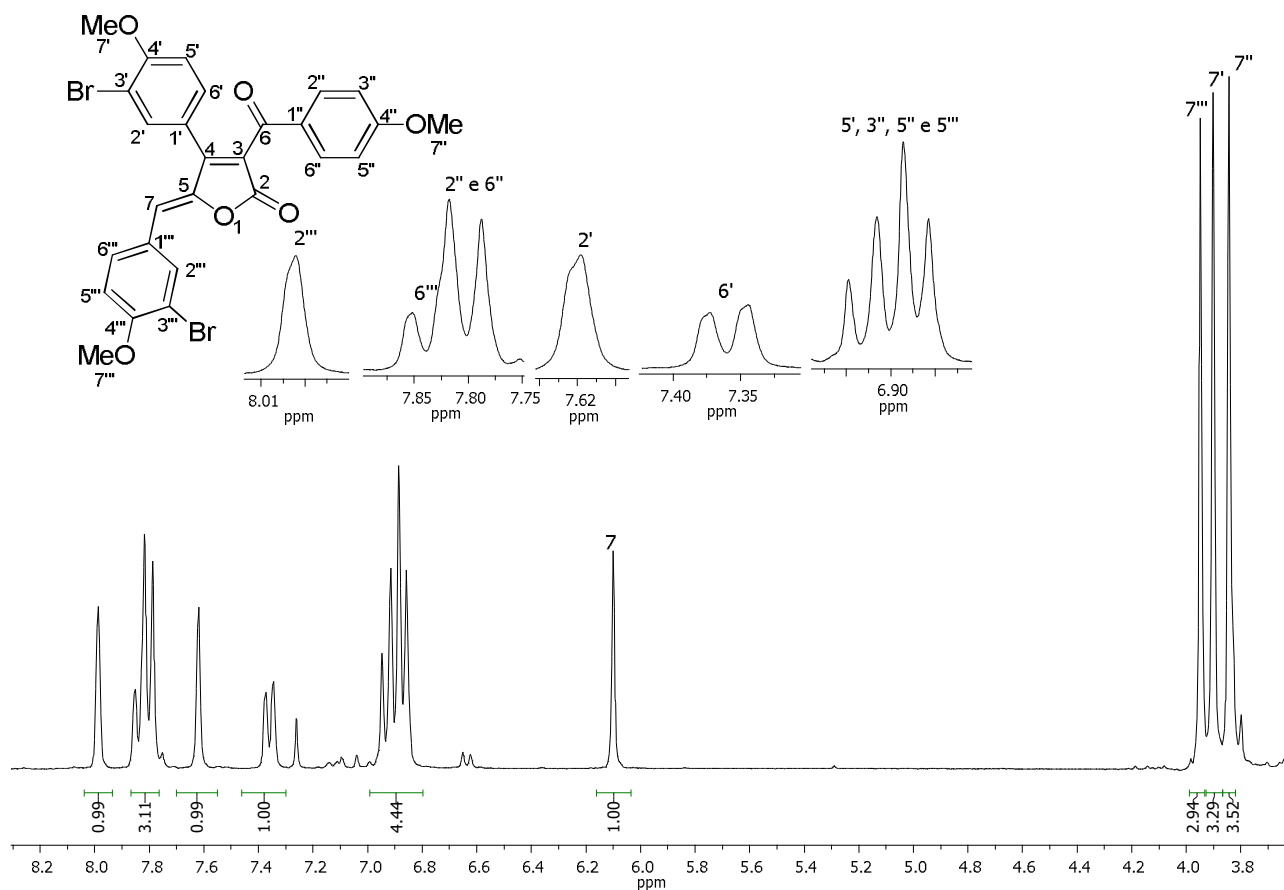


Figura 43S. RMN de ^1H (300 MHz, CDCl_3) para **15g**.

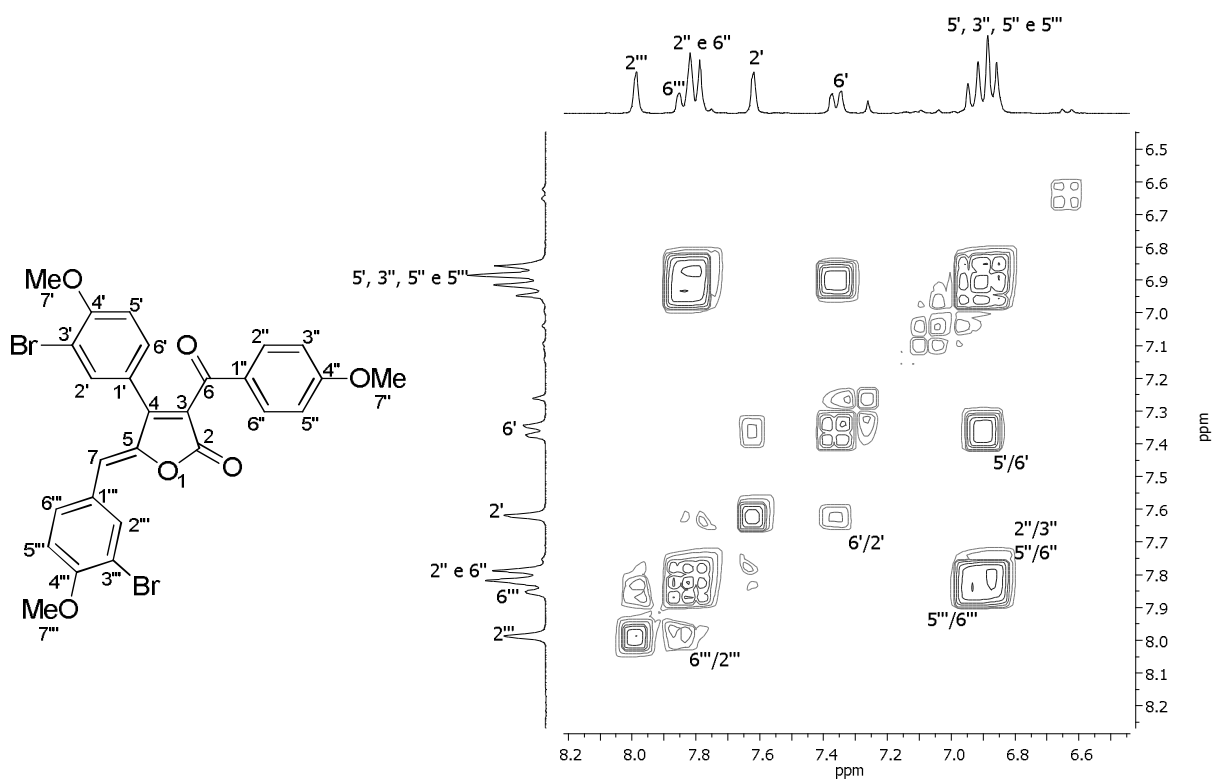


Figure 44S. Mapa de contorno *COSY* para **15g**.

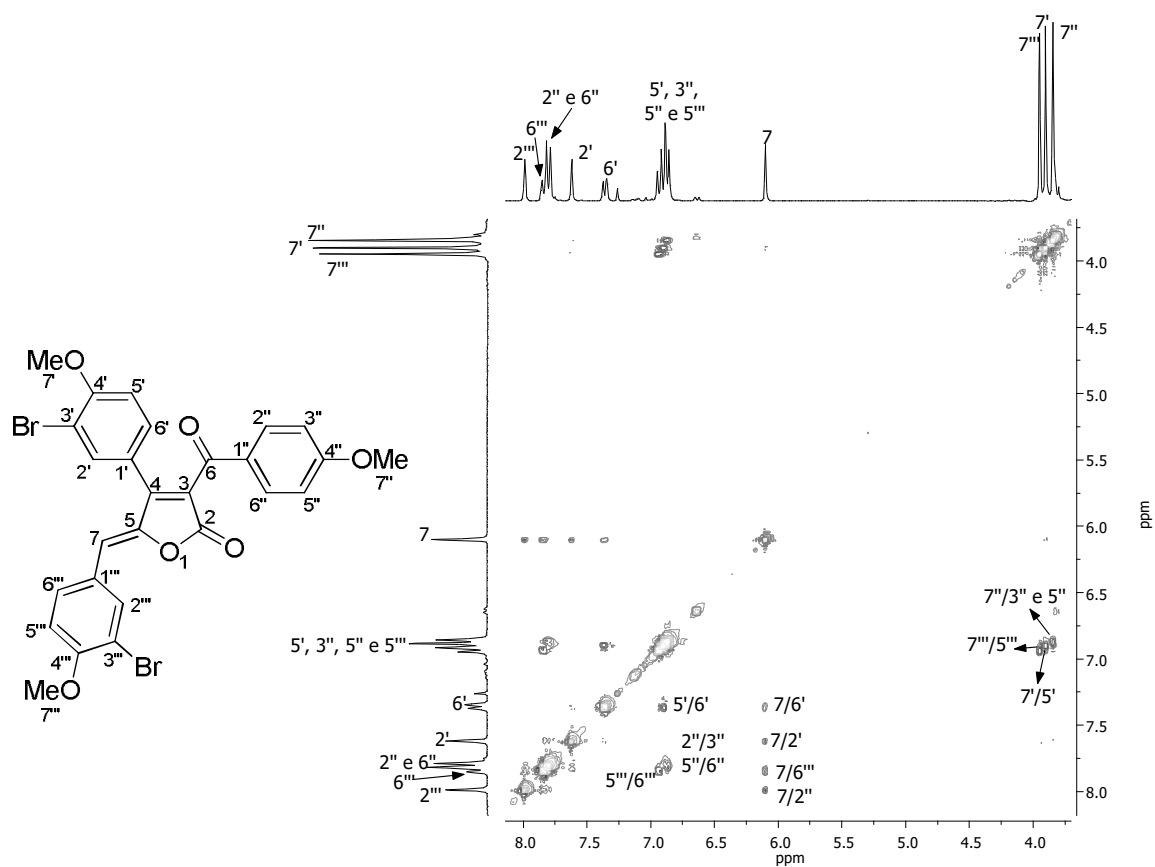


Figure 45S. Mapa de contorno *NOESY* para **15g**.

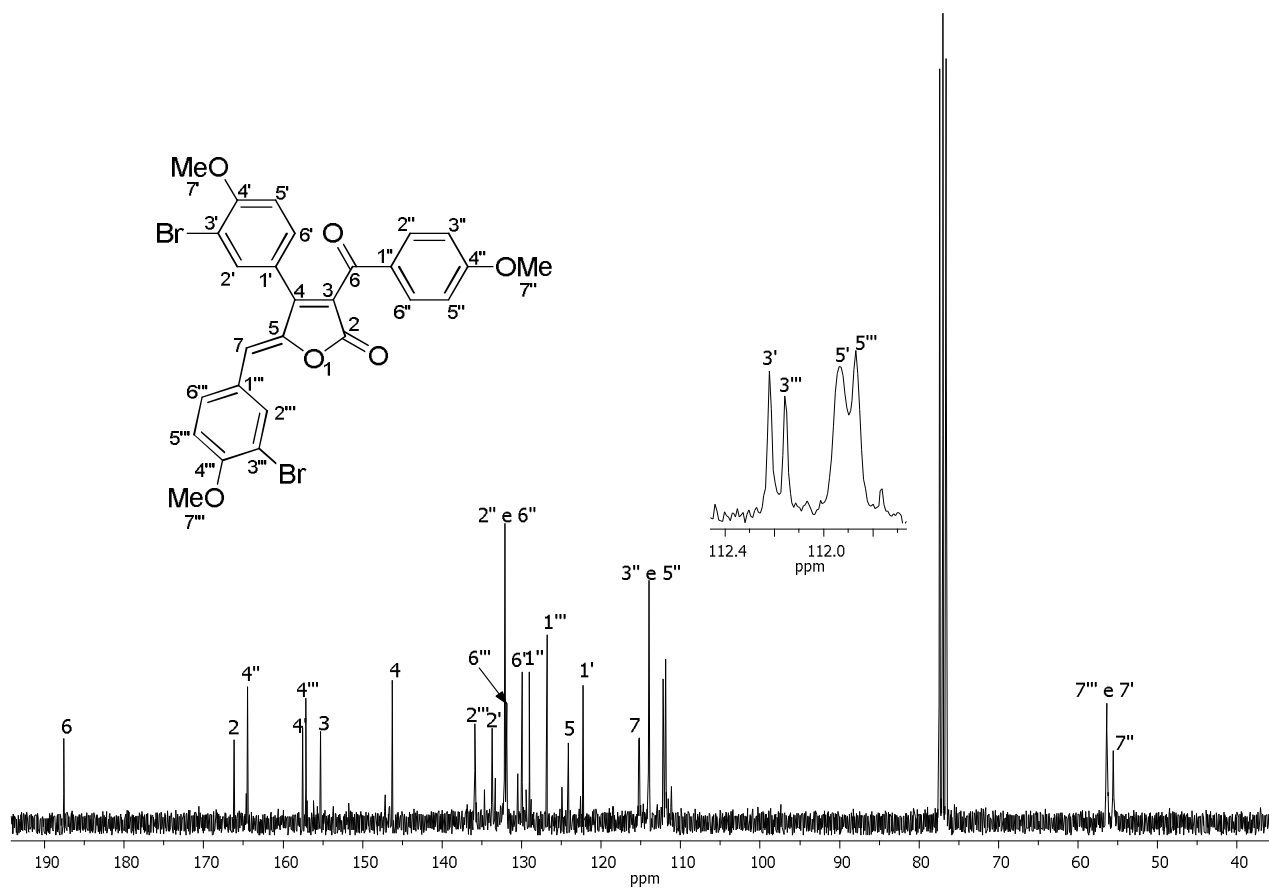


Figure 46S. RMN de ^{13}C (75 MHz, CDCl_3) para **15g**.

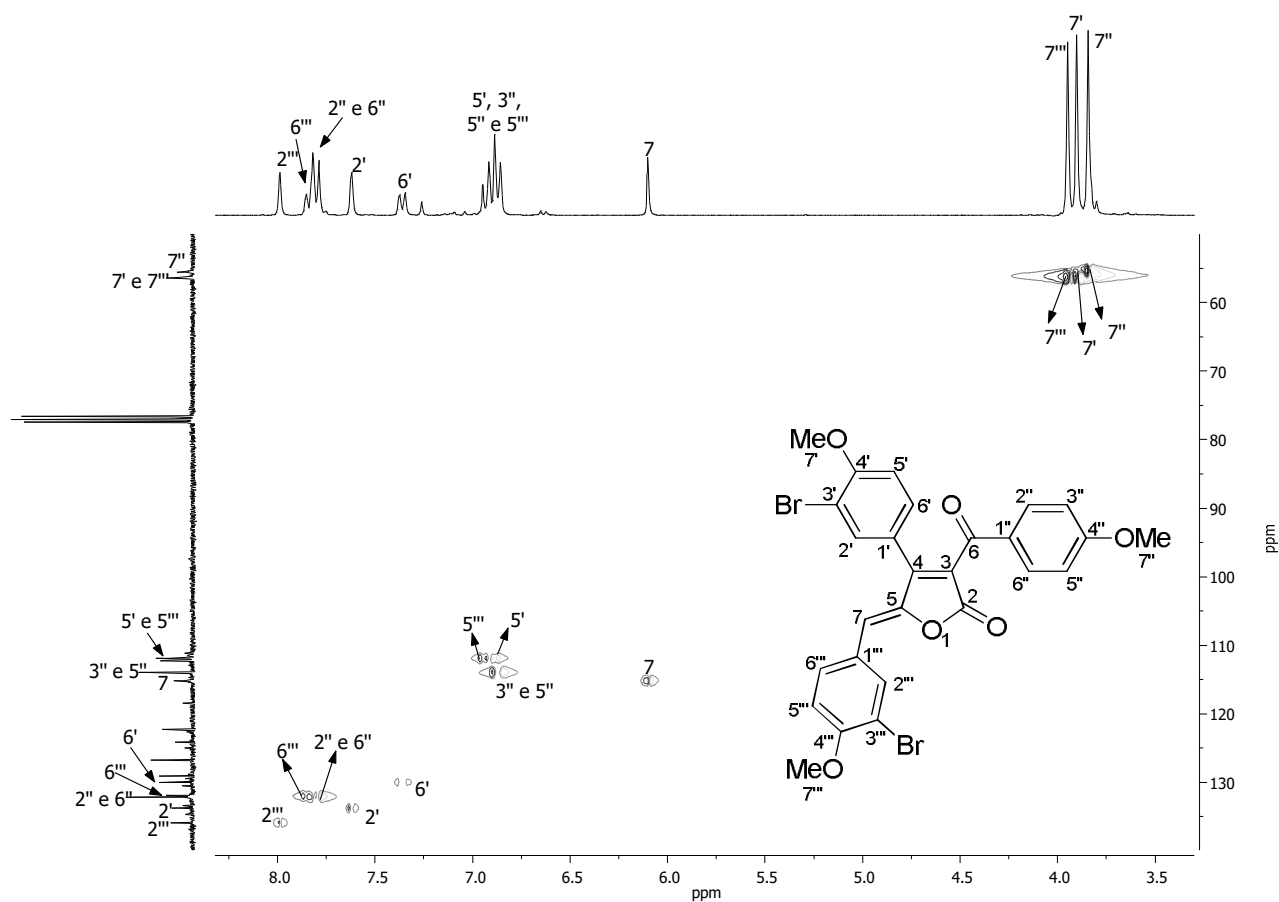


Figure 47S. Mapa de contorno *HSQC* para **15g**.

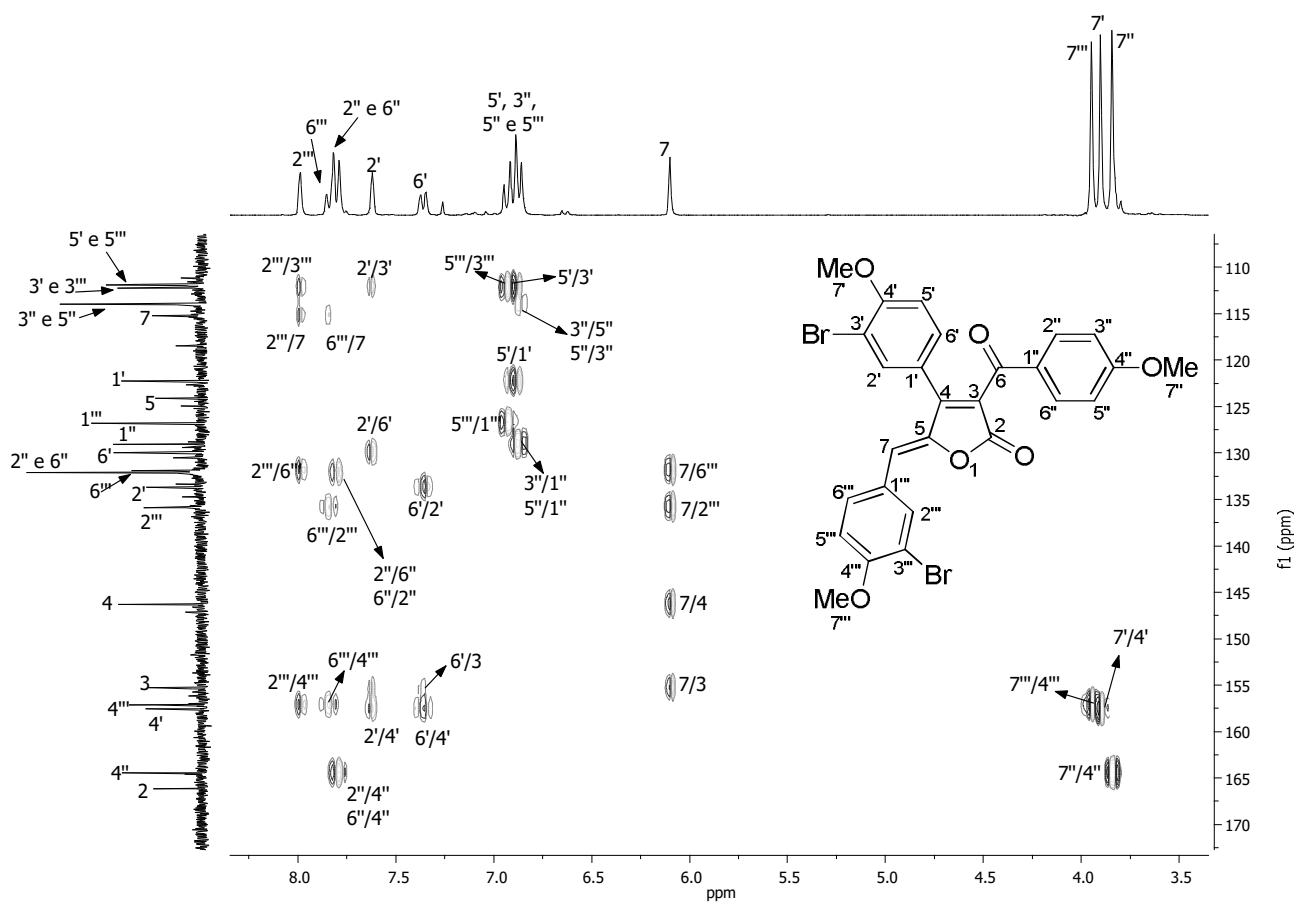


Figure 48S. Mapa de contorno *HMBC* para **15g**.

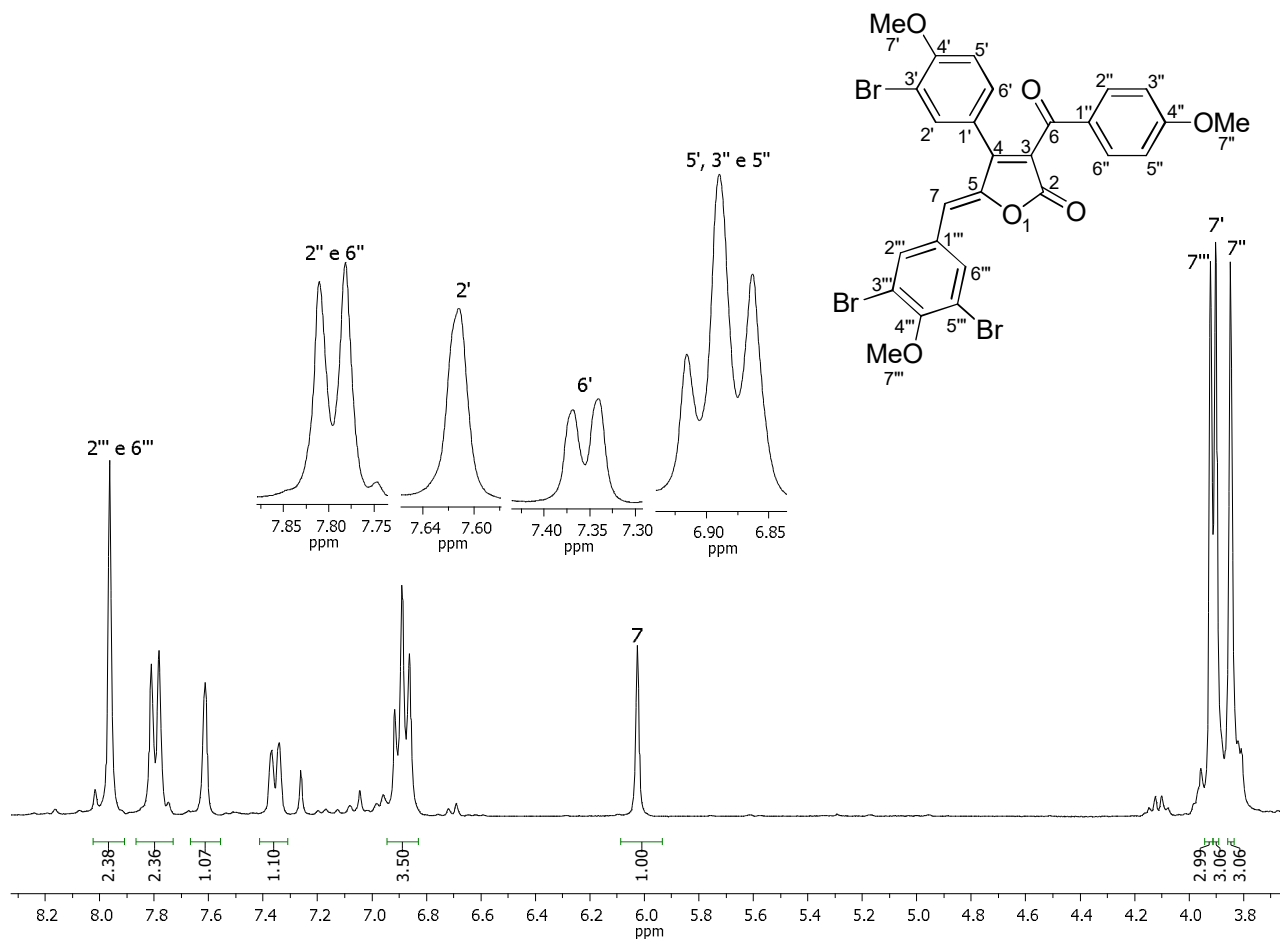


Figura 49S. RMN de ^1H (300 MHz, CDCl_3) para **15h**.

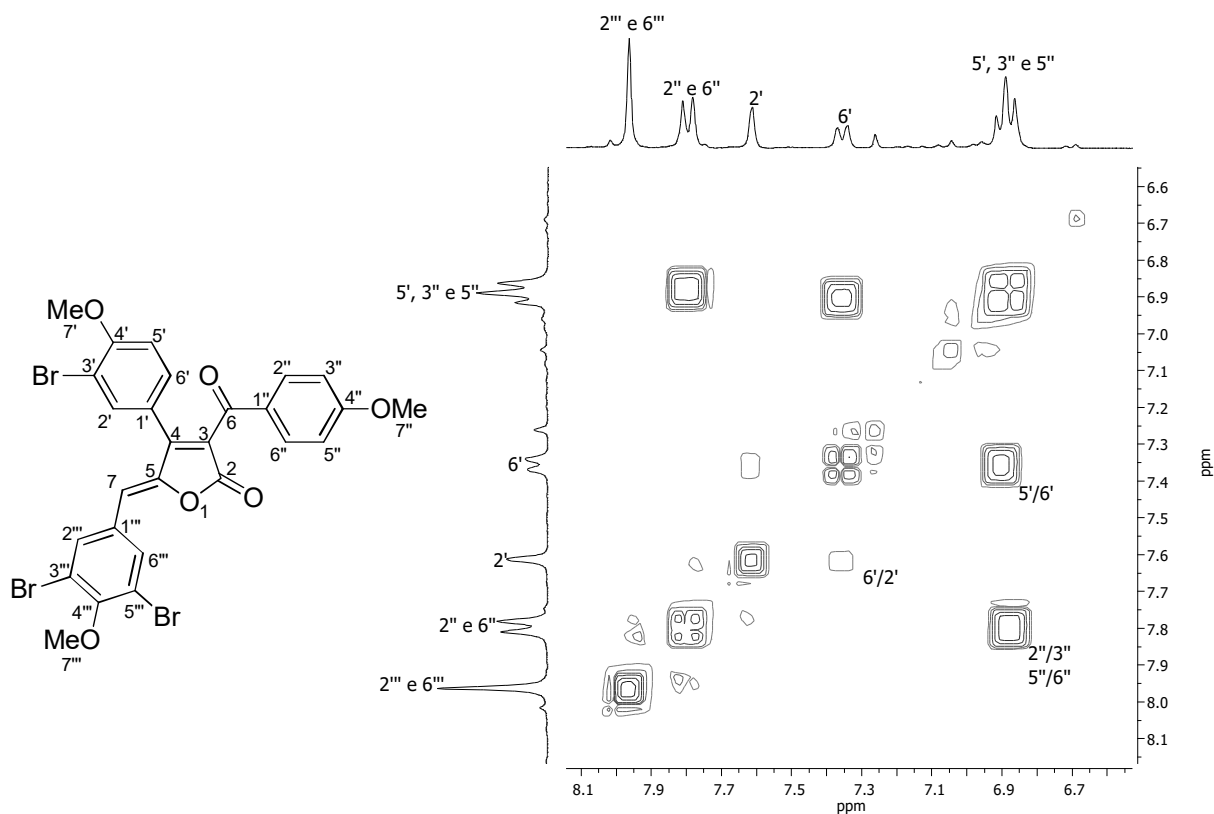


Figure 50S. Mapa de contorno *COSY* para **15h**.

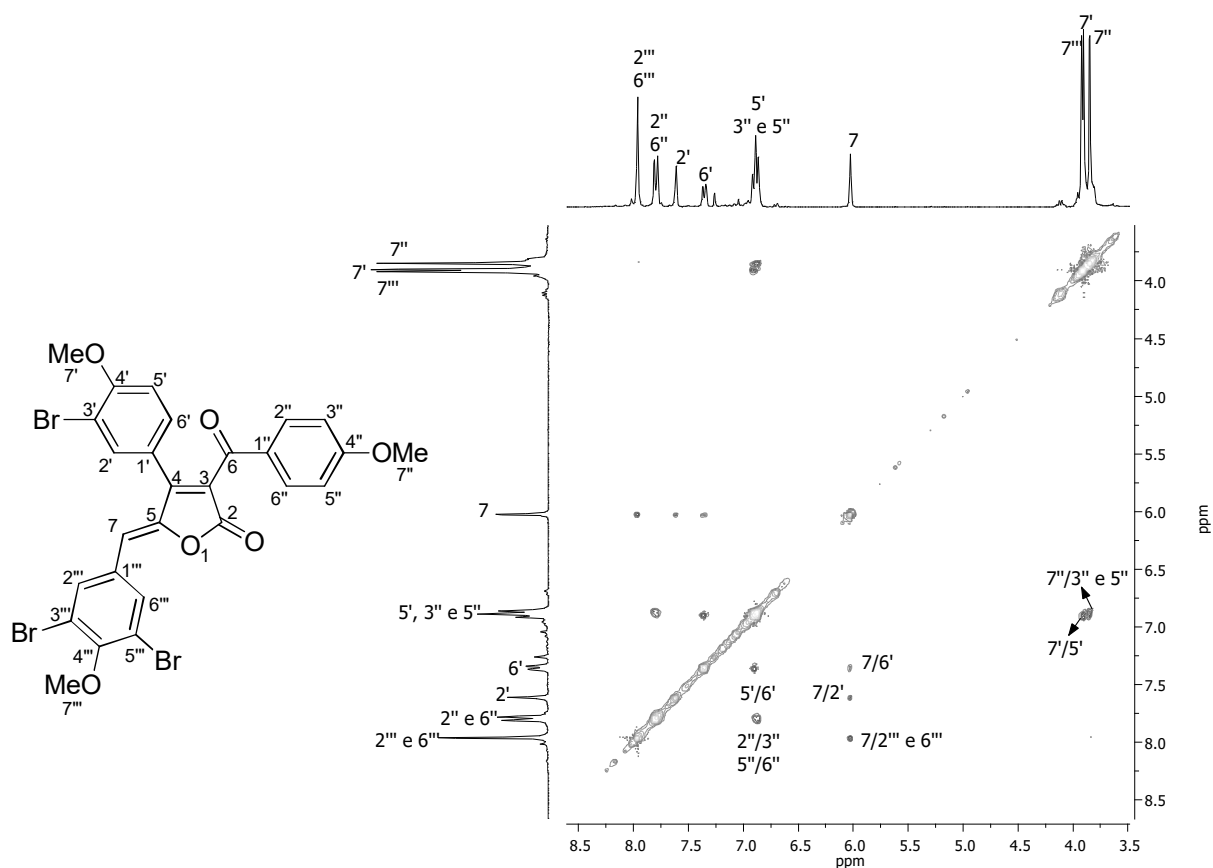


Figure 51S. Mapa de contorno *NOESY* para **15h**.

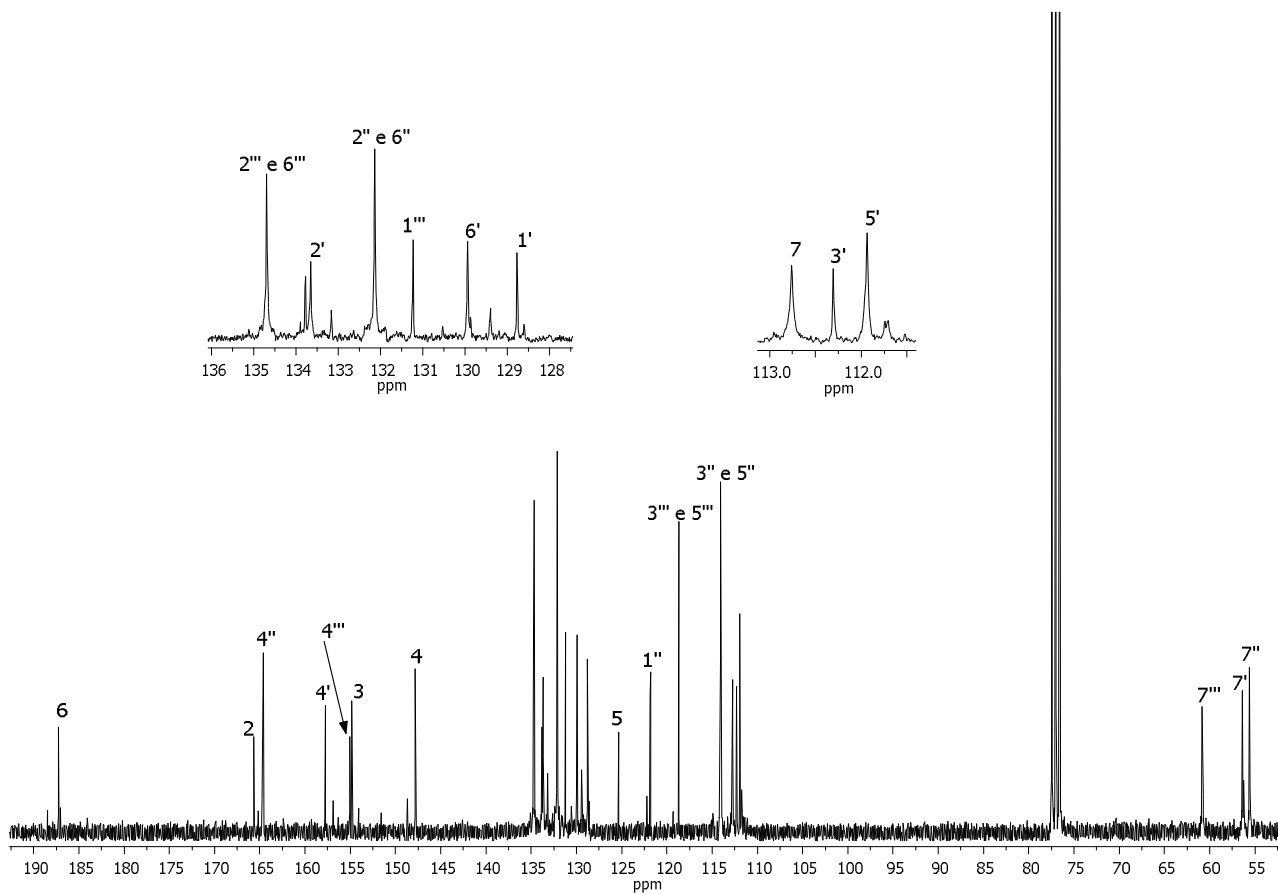


Figure 52S. RMN de ¹³C (75 MHz, CDCl₃) para **15h**.

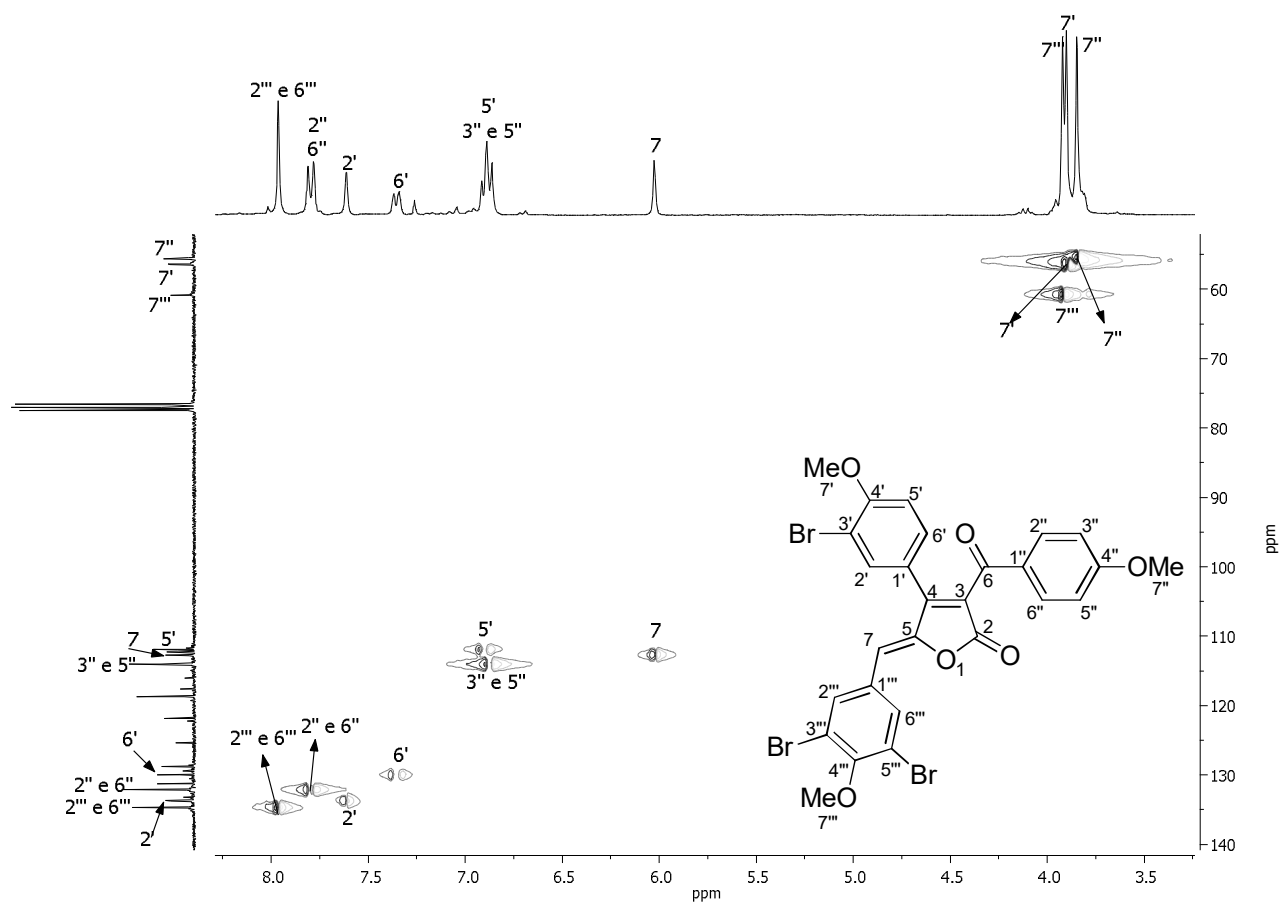


Figure 53S. Mapa de contorno *HSQC* para **15h**.

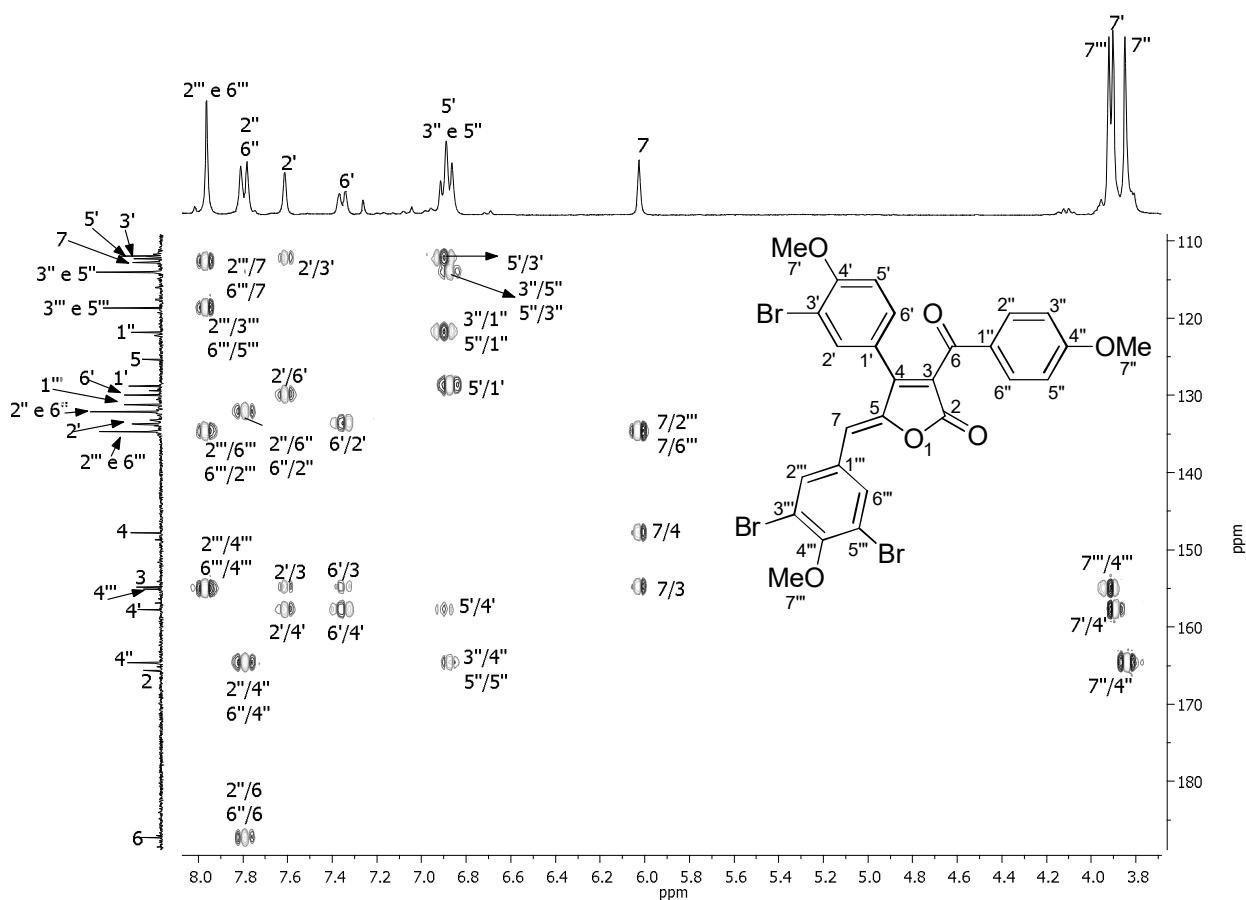


Figure 54S. Mapa de contorno *HMBC* para **15h**.

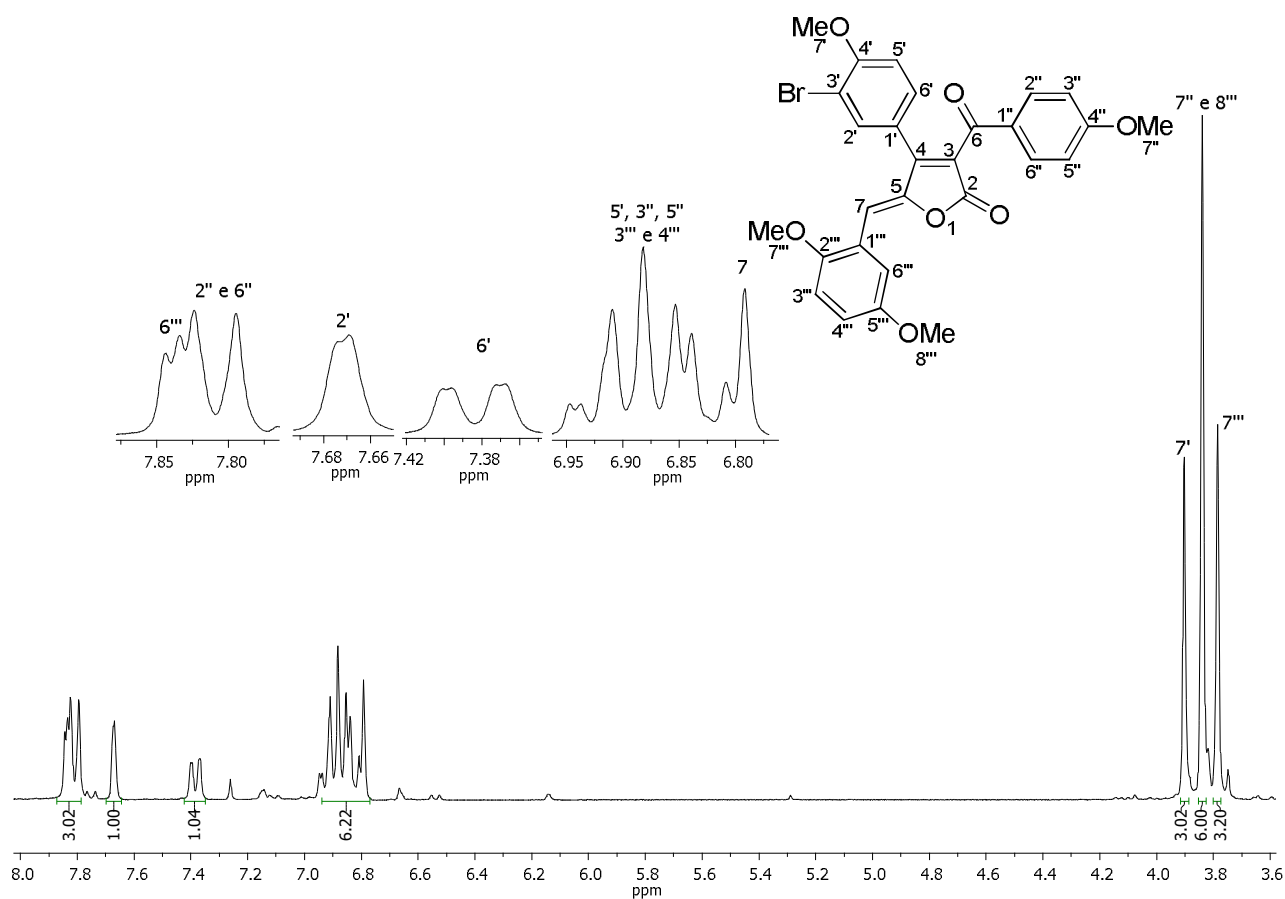


Figura 55S. RMN de ^1H (300 MHz, CDCl_3) para **15i**.

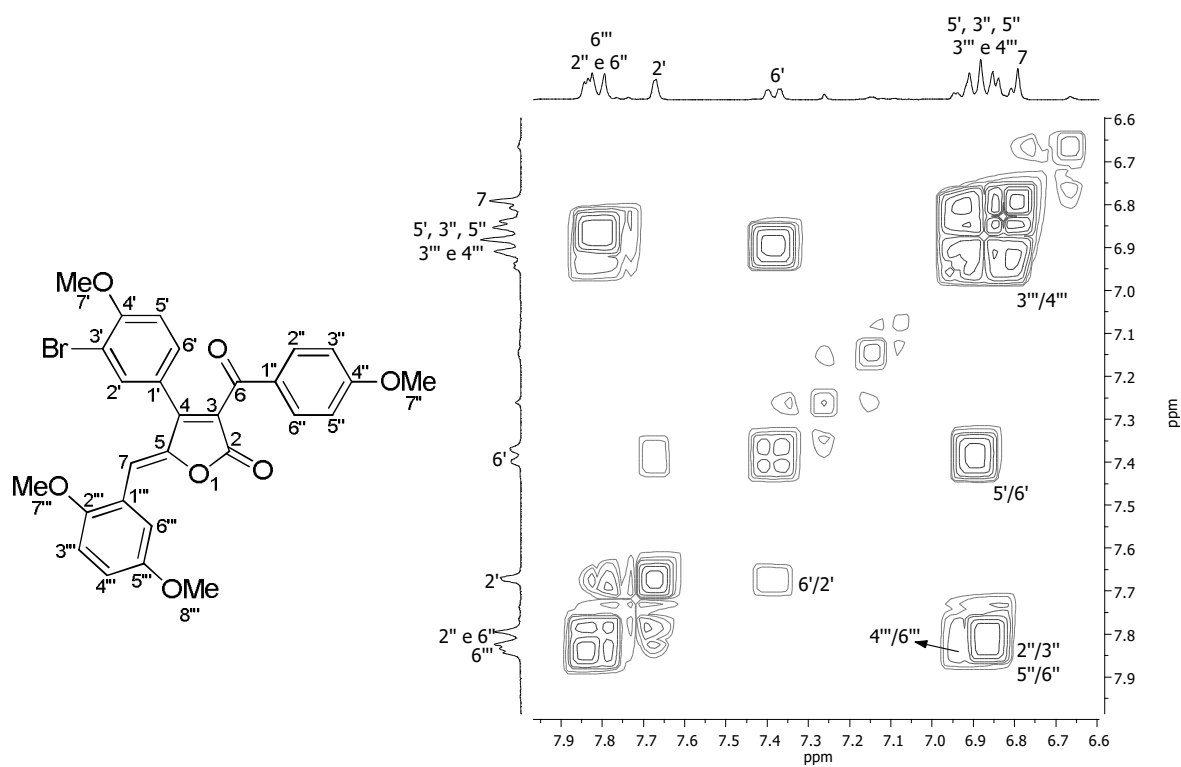


Figure 56S. Mapa de contorno *COSY* para **15i**.

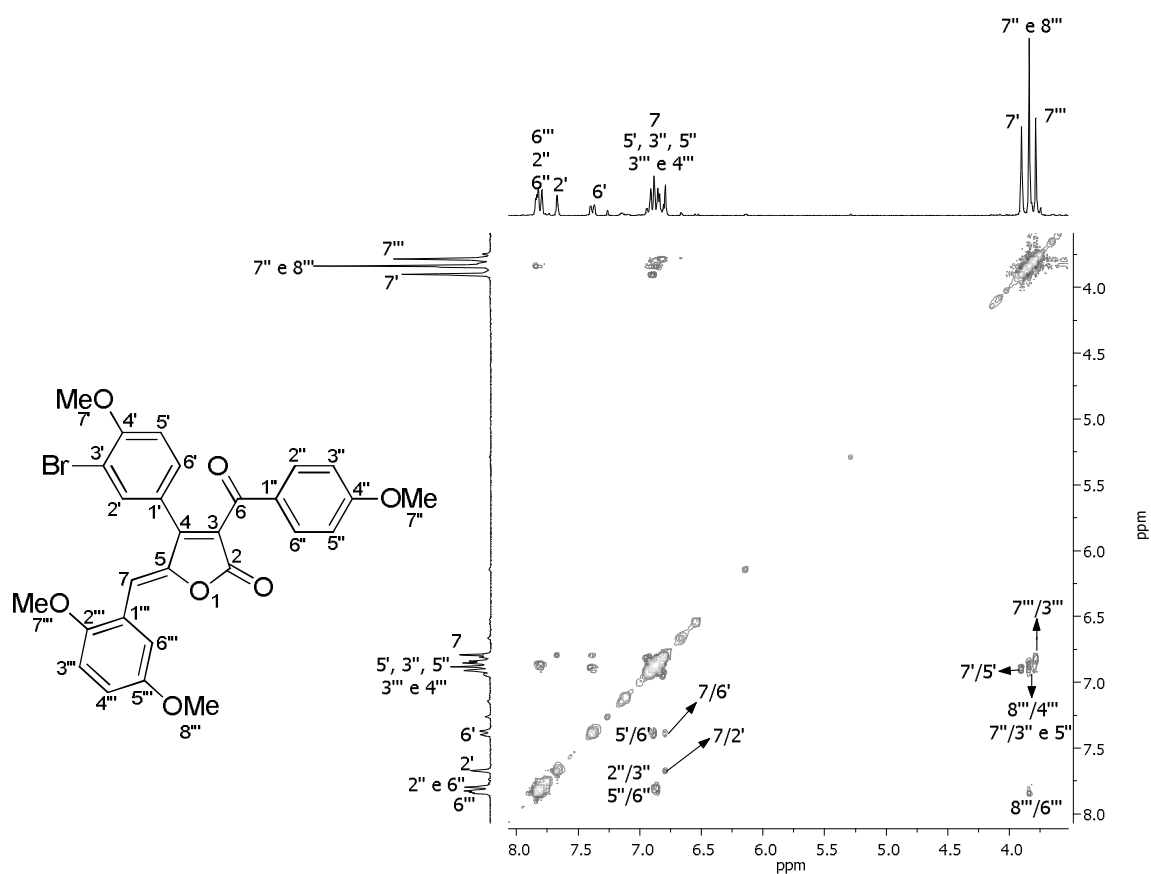


Figure 57S. Mapa de contorno *NOESY* para **15i**.

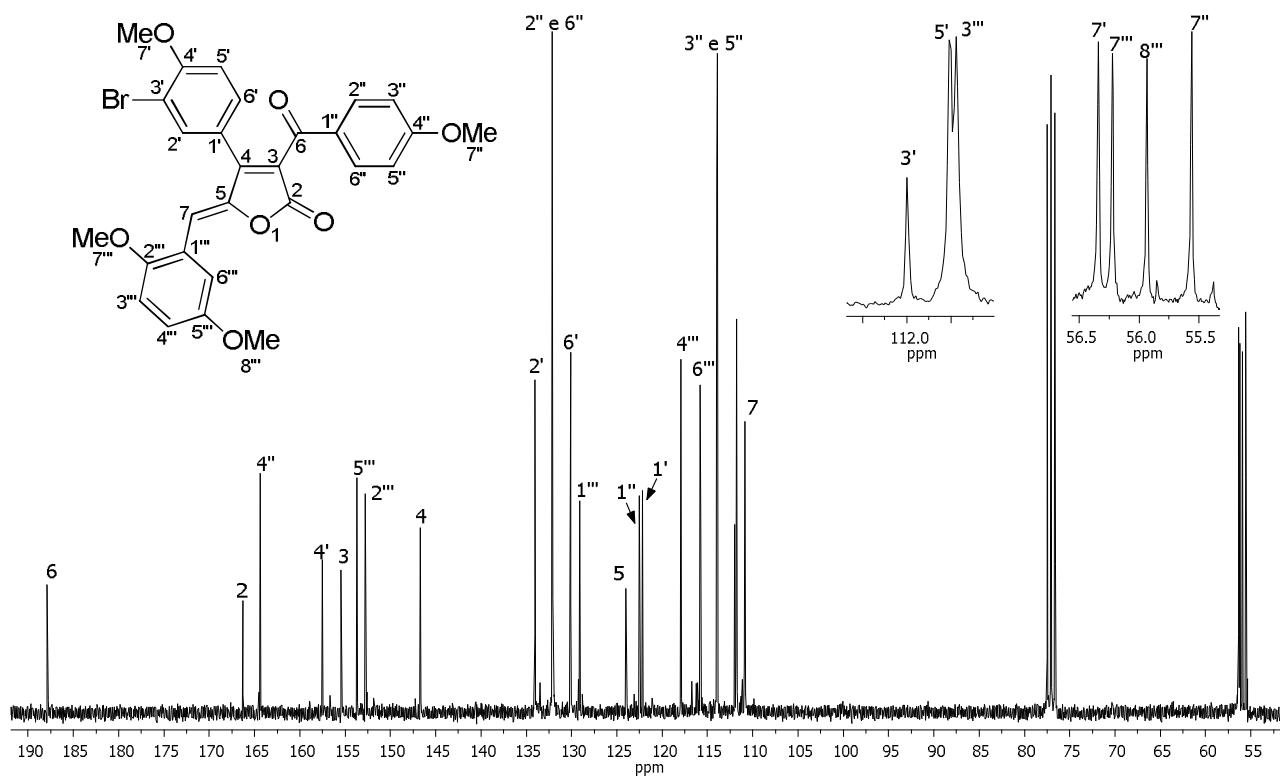


Figure 58S. RMN de ^{13}C (75 MHz, CDCl_3) para **15i**.

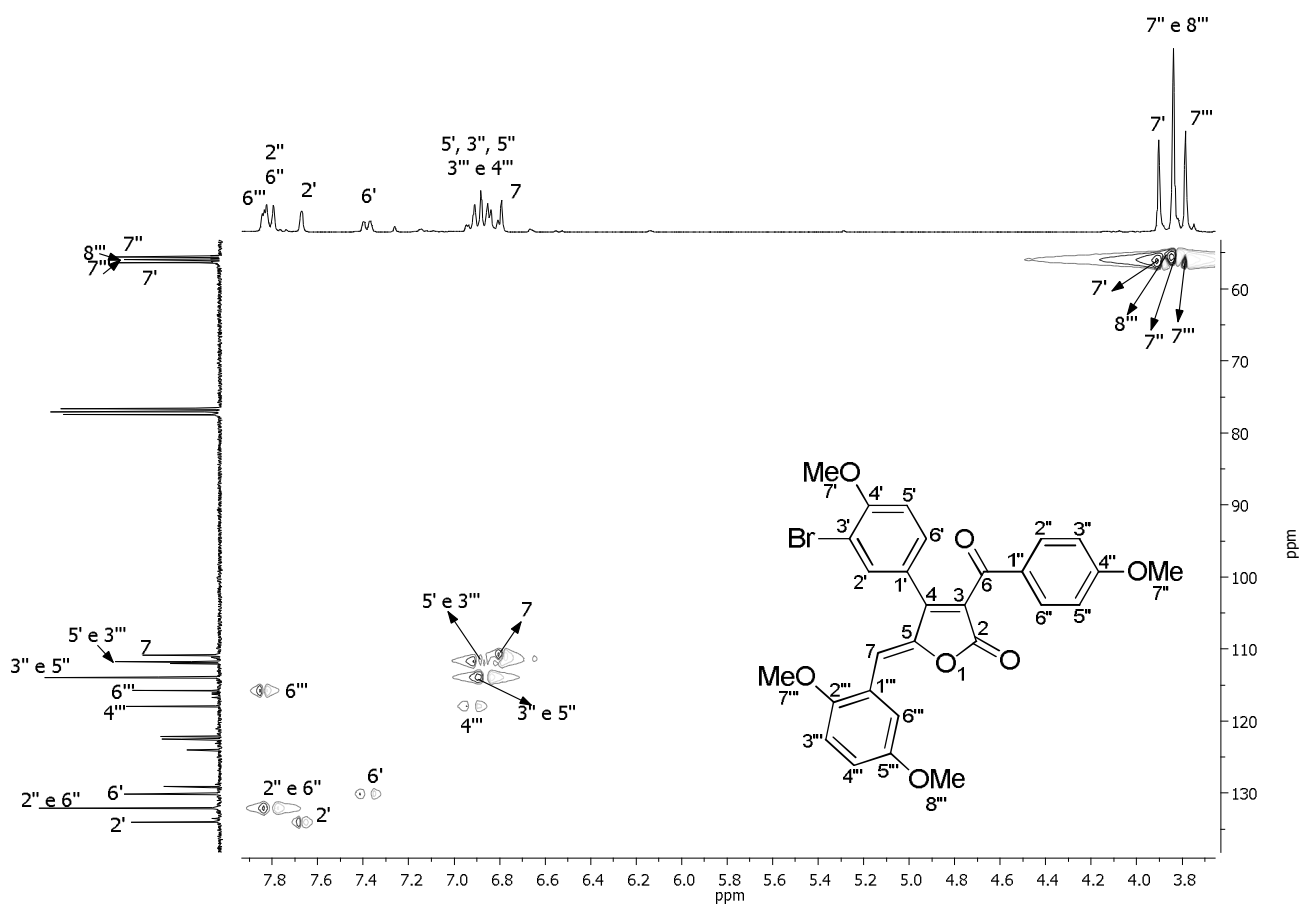


Figure 59S. Mapa de contorno *HSQC* para **15i**.

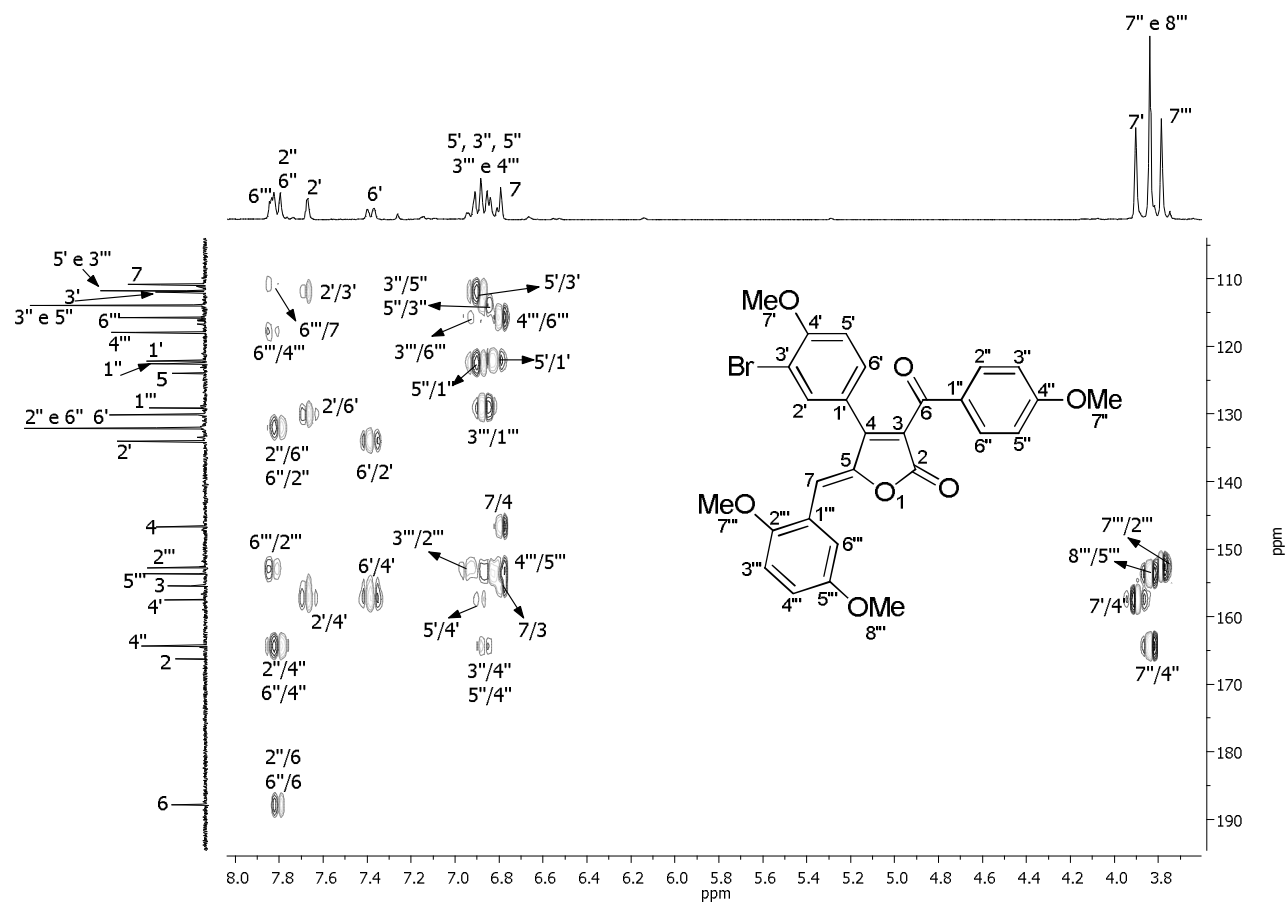


Figure 60S. Mapa de contorno *HMBC* para **15i**.

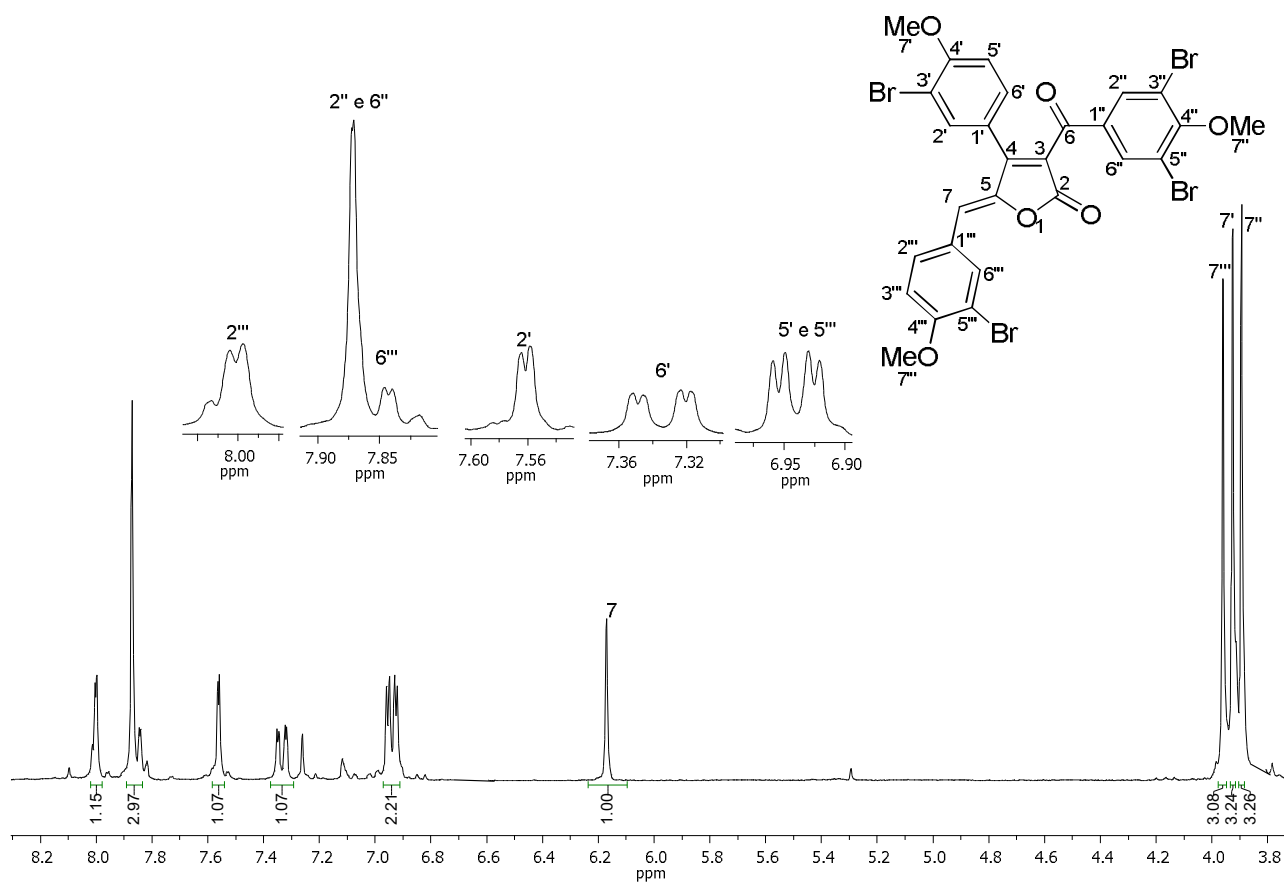


Figura 61S. RMN de ¹H (300 MHz, CDCl₃) para **15j**.

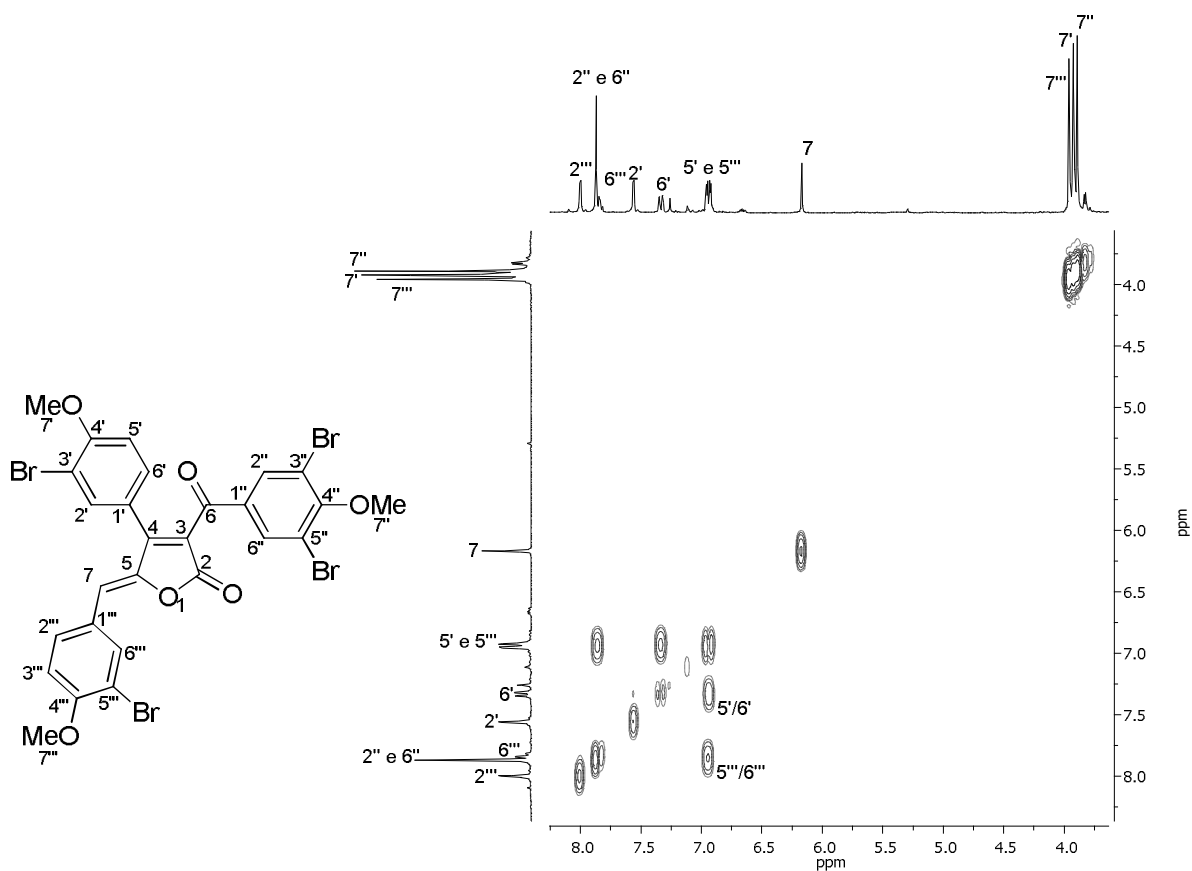
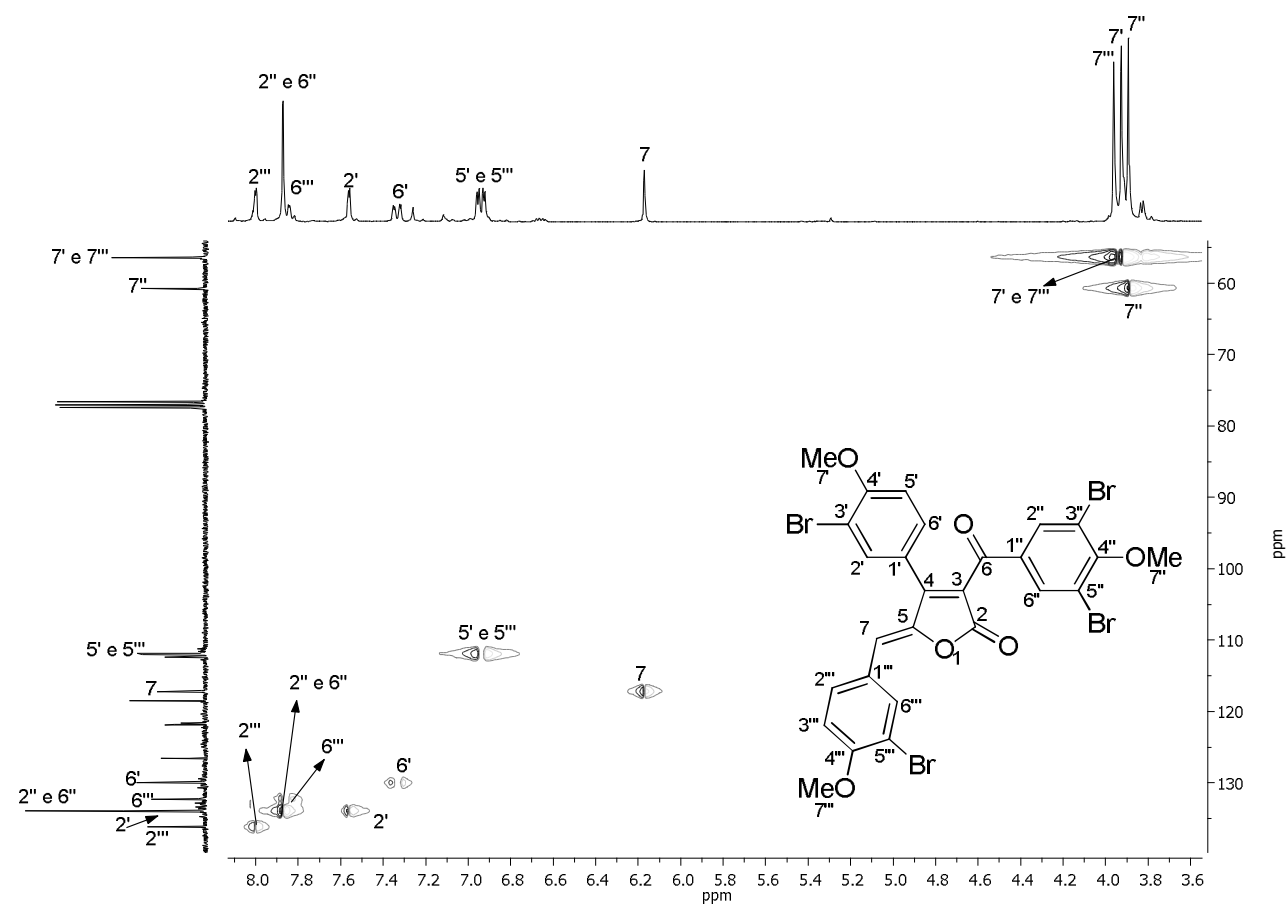
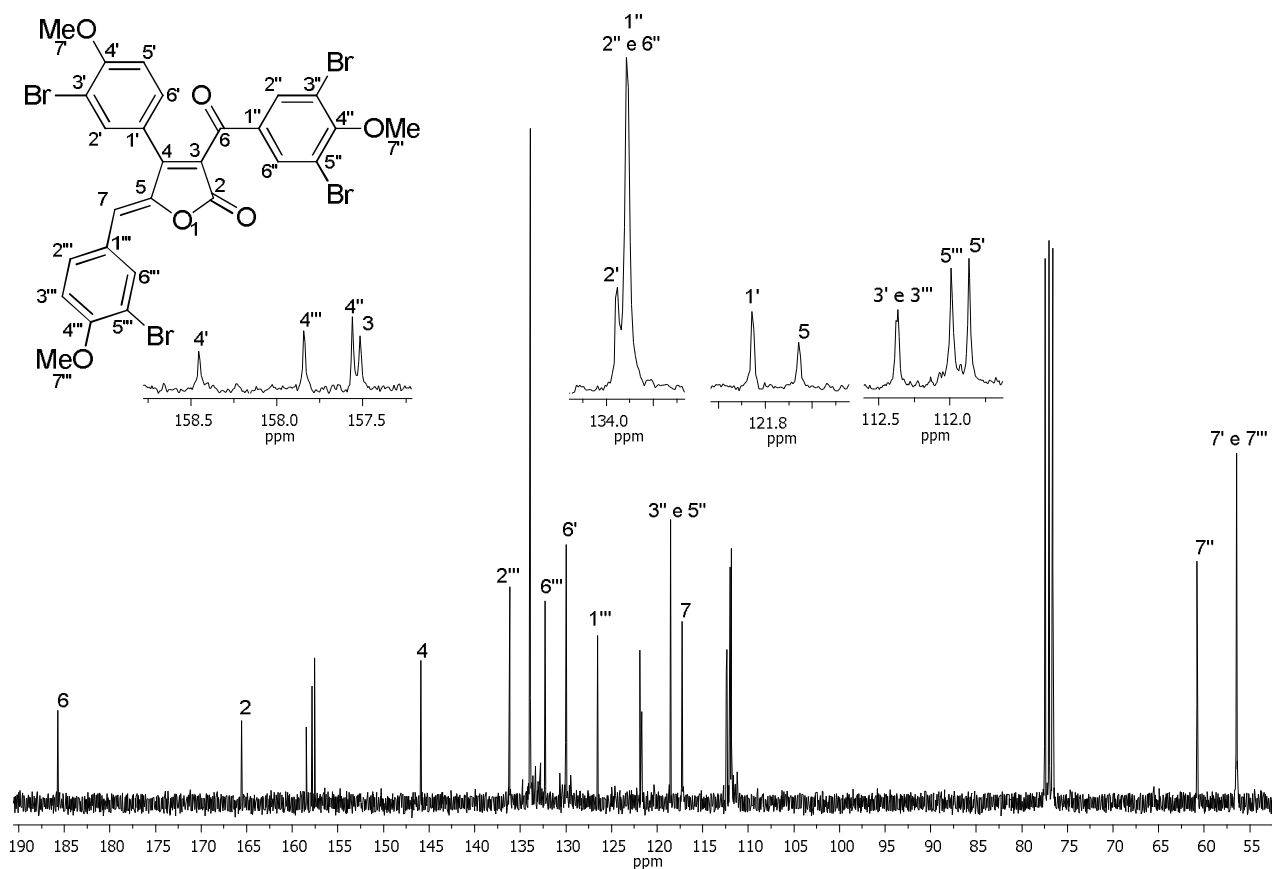


Figure 62S. Mapa de contorno *COSY* para **15j**.



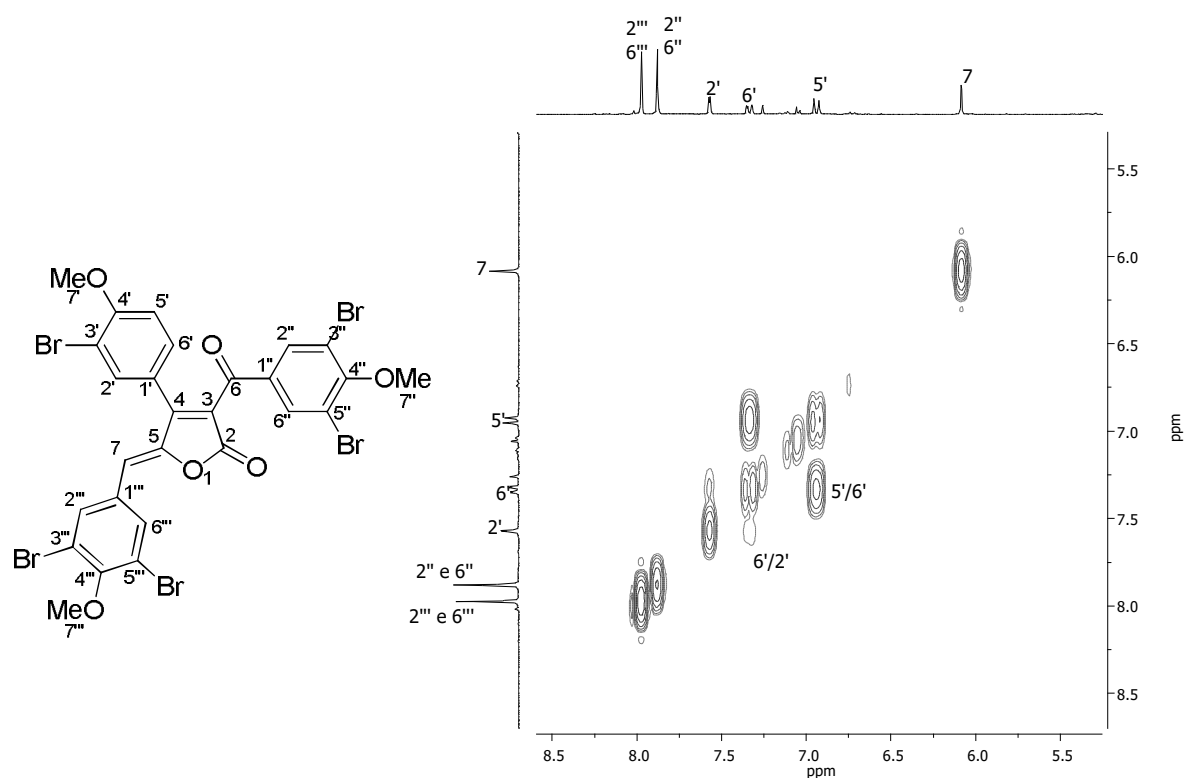


Figure 67S. Mapa de contorno *COSY* para **15k**.

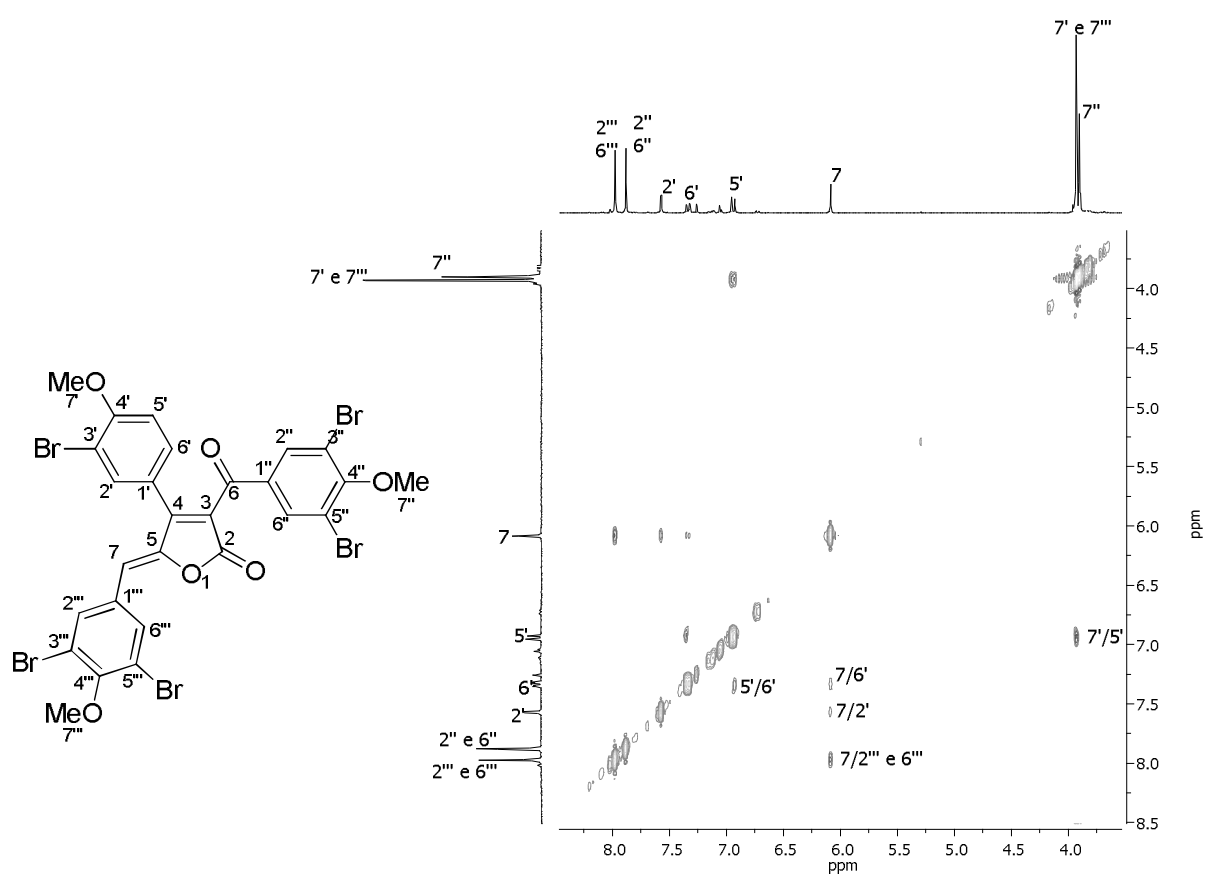
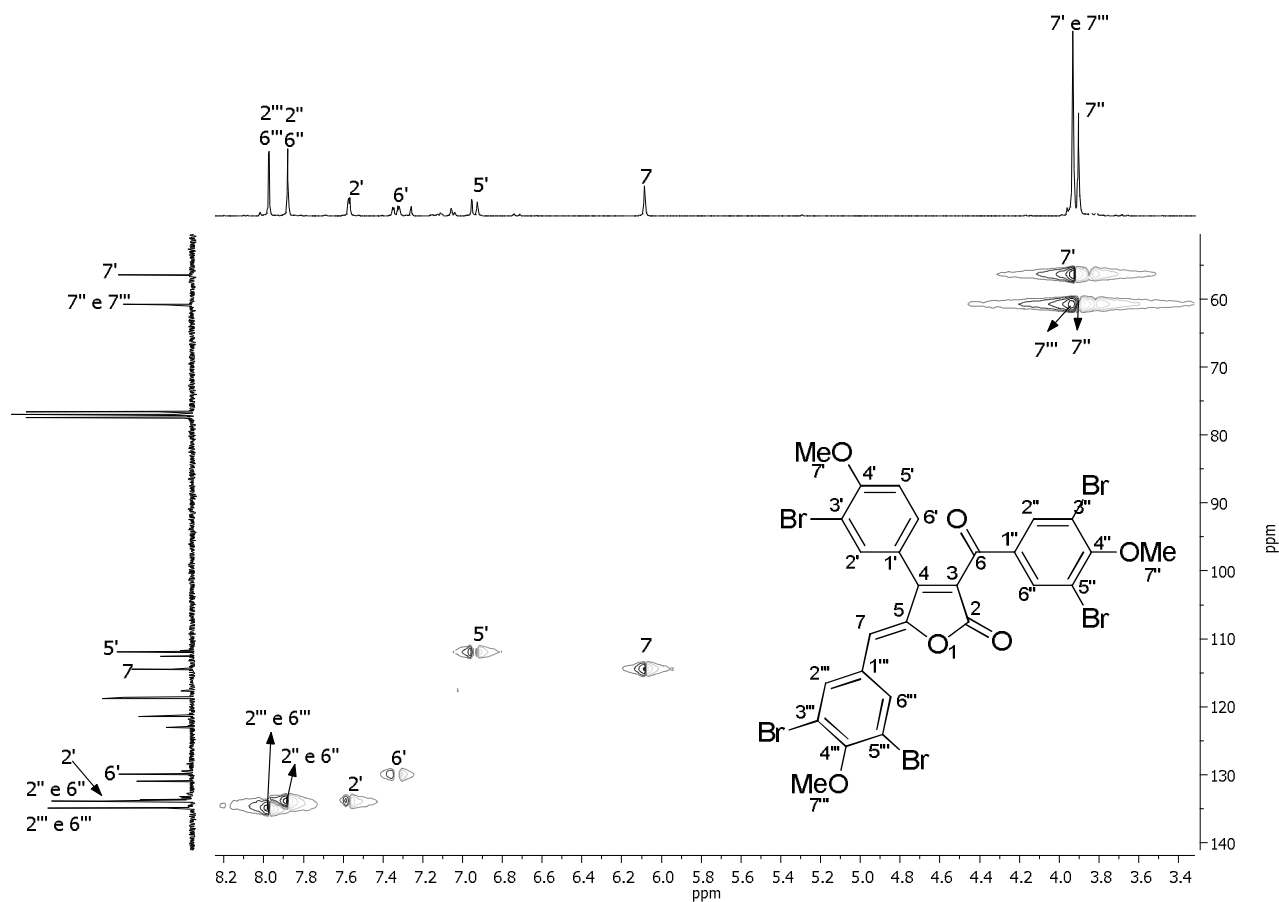
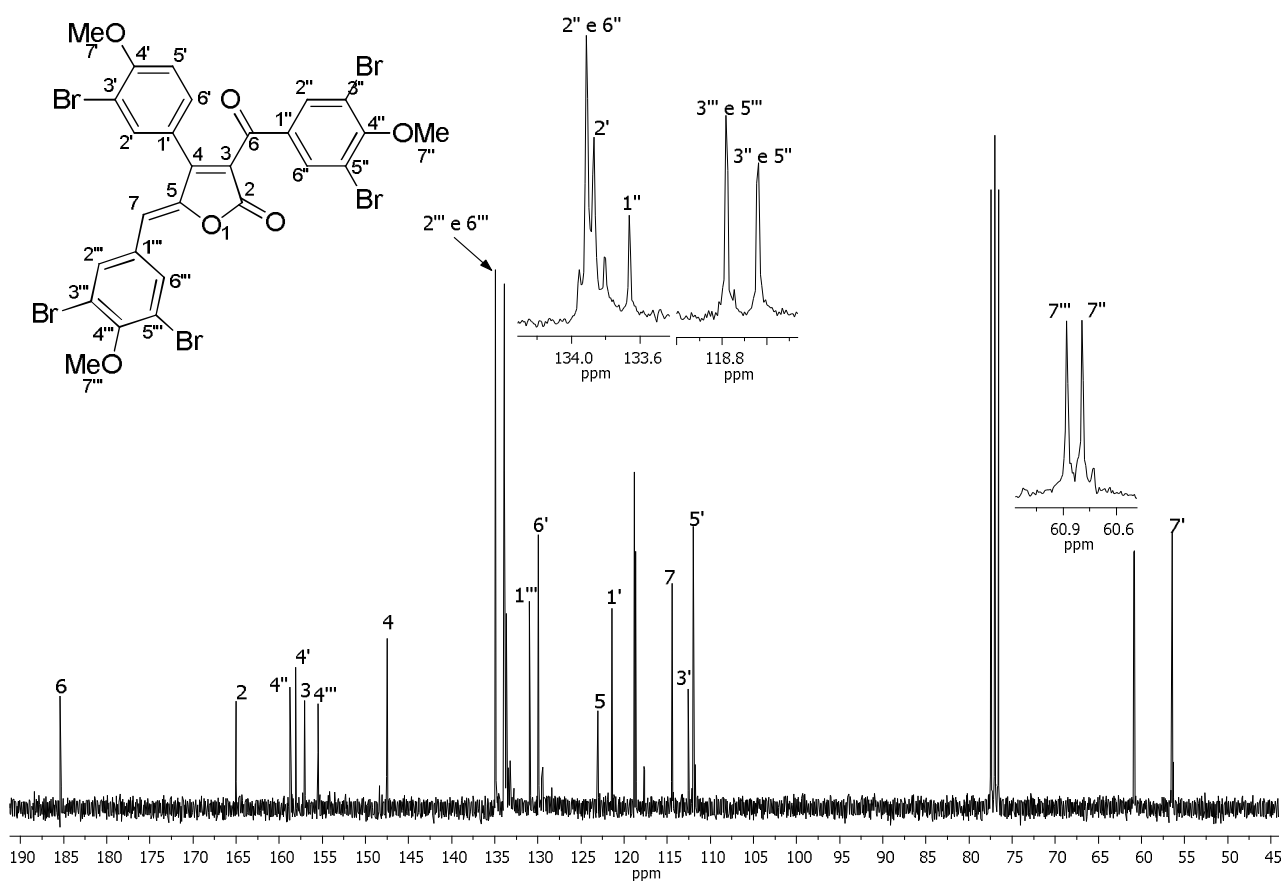
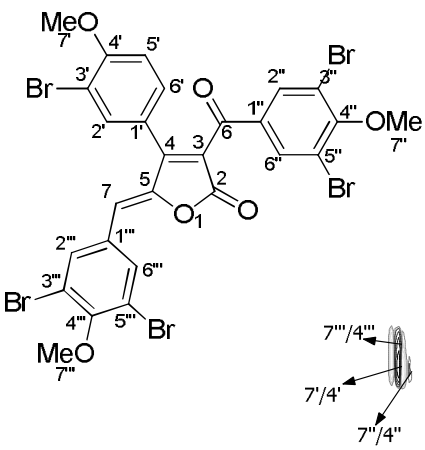


Figure 68S. Mapa de contorno *NOESY* para **15k**.





Chemical structure of 6,6'-dihydroxy-2,2'-bis(4-hydroxyphenyl)-5,5'-bibenzofuran is shown. The structure is labeled with protons 1' through 7' and 1'' through 7''. The spectrum displays peaks corresponding to these protons, with integration values provided below the peaks.

Chemical Shift (ppm)	Integration	Assignment
10.5	0.95	7'''
10.2	0.97	7''
10.1	1.01	7'
7.7	4.15	2'', 2''' 6'' e 6'''
7.2	2.07	2' e 6'
6.8	6.37	3', 3'', 3''' 5', 5'' e 5'''
6.5	1.00	7

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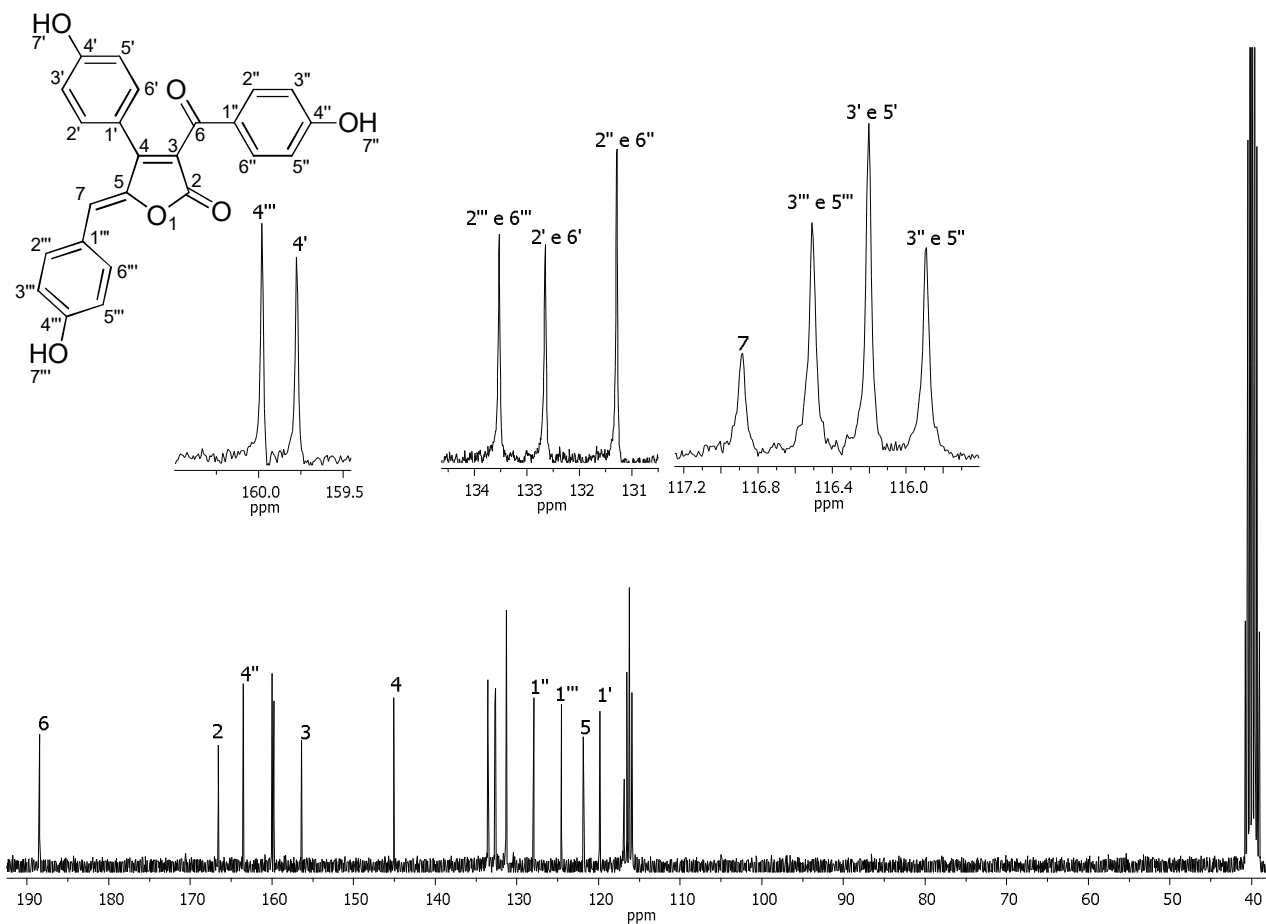


Figure 73S. RMN de ^{13}C (75 MHz, CDCl_3) para **16a**.

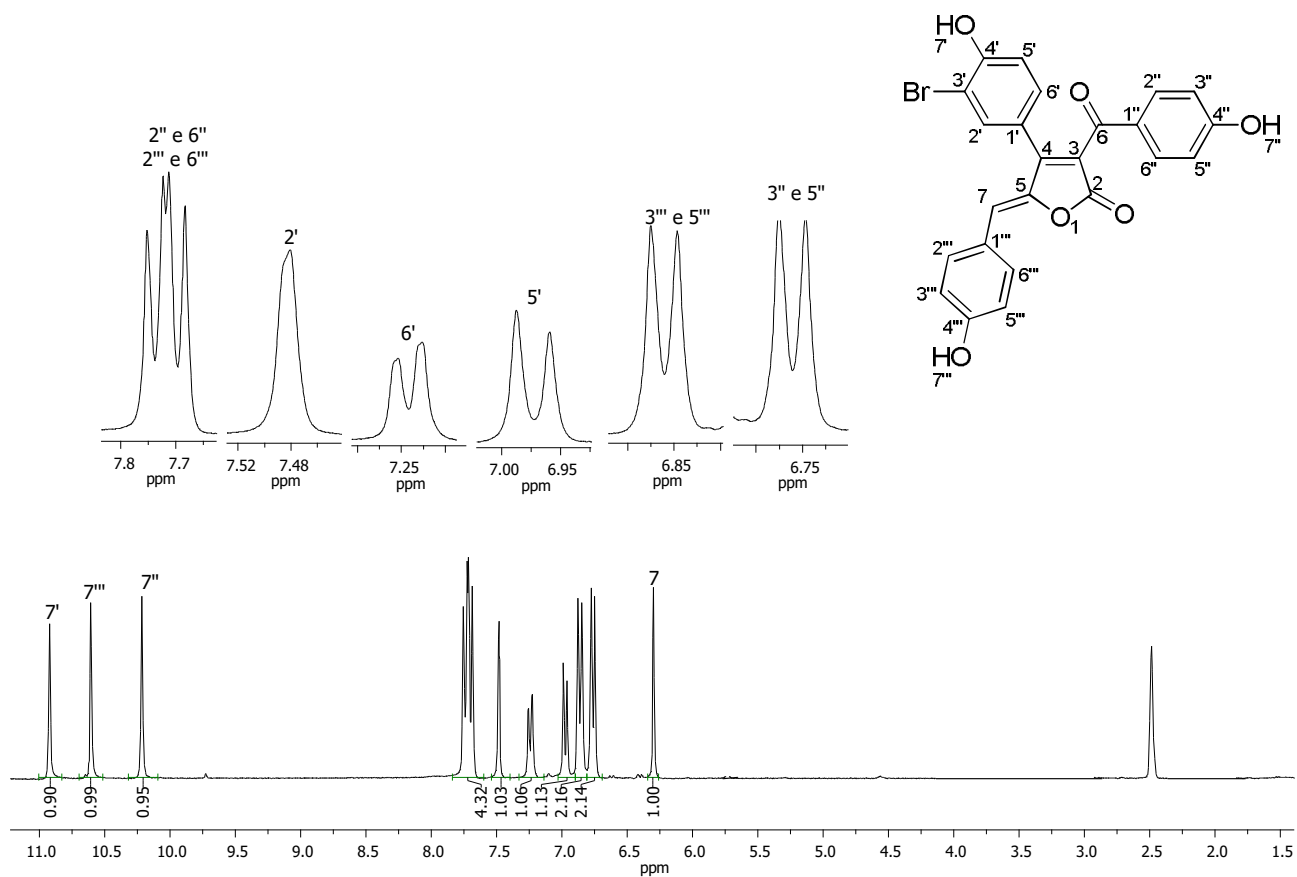


Figura 74S. RMN de ^1H (300 MHz, CDCl_3) para **16f**.

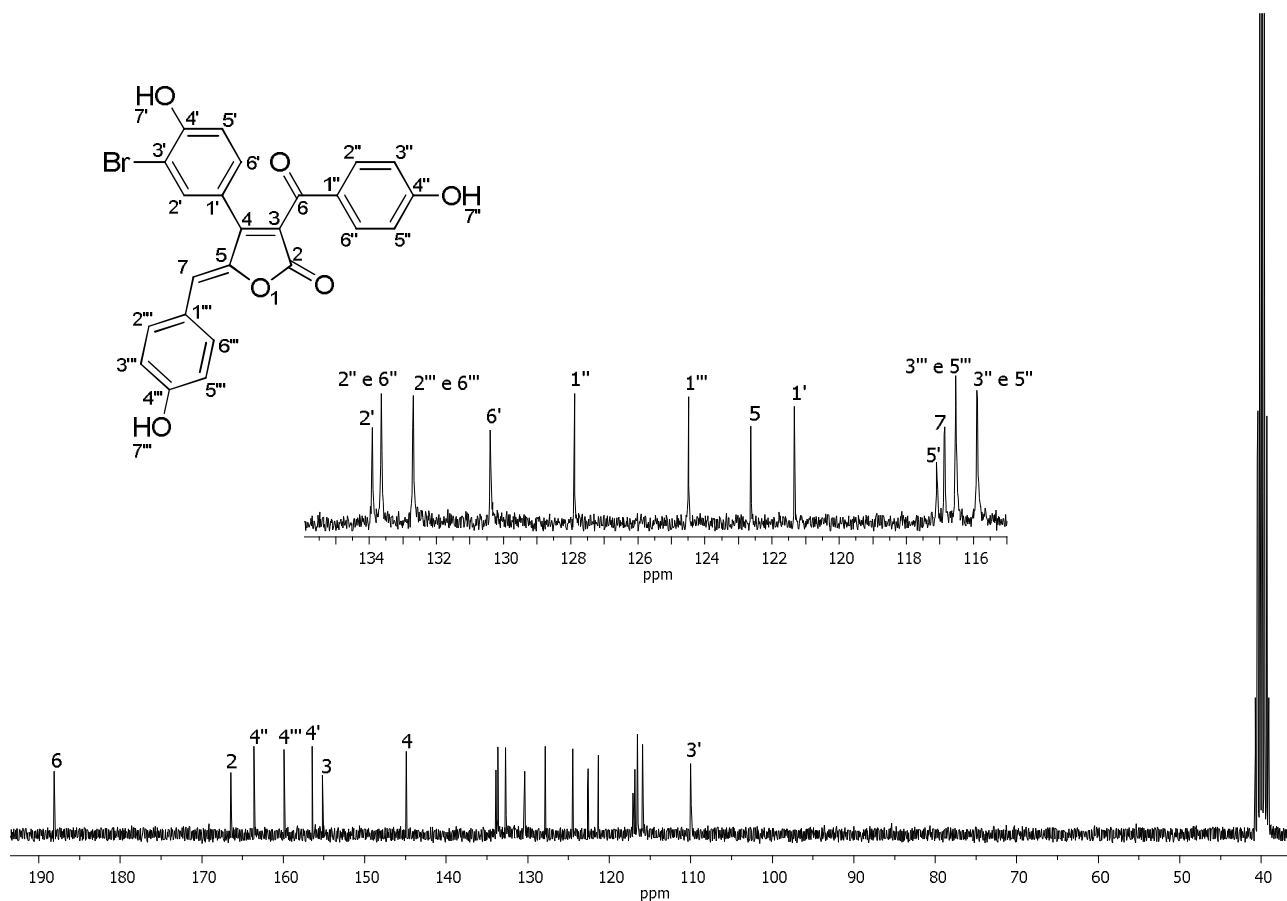


Figure 75S. RMN de ^{13}C (75 MHz, CDCl_3) para **16f**.

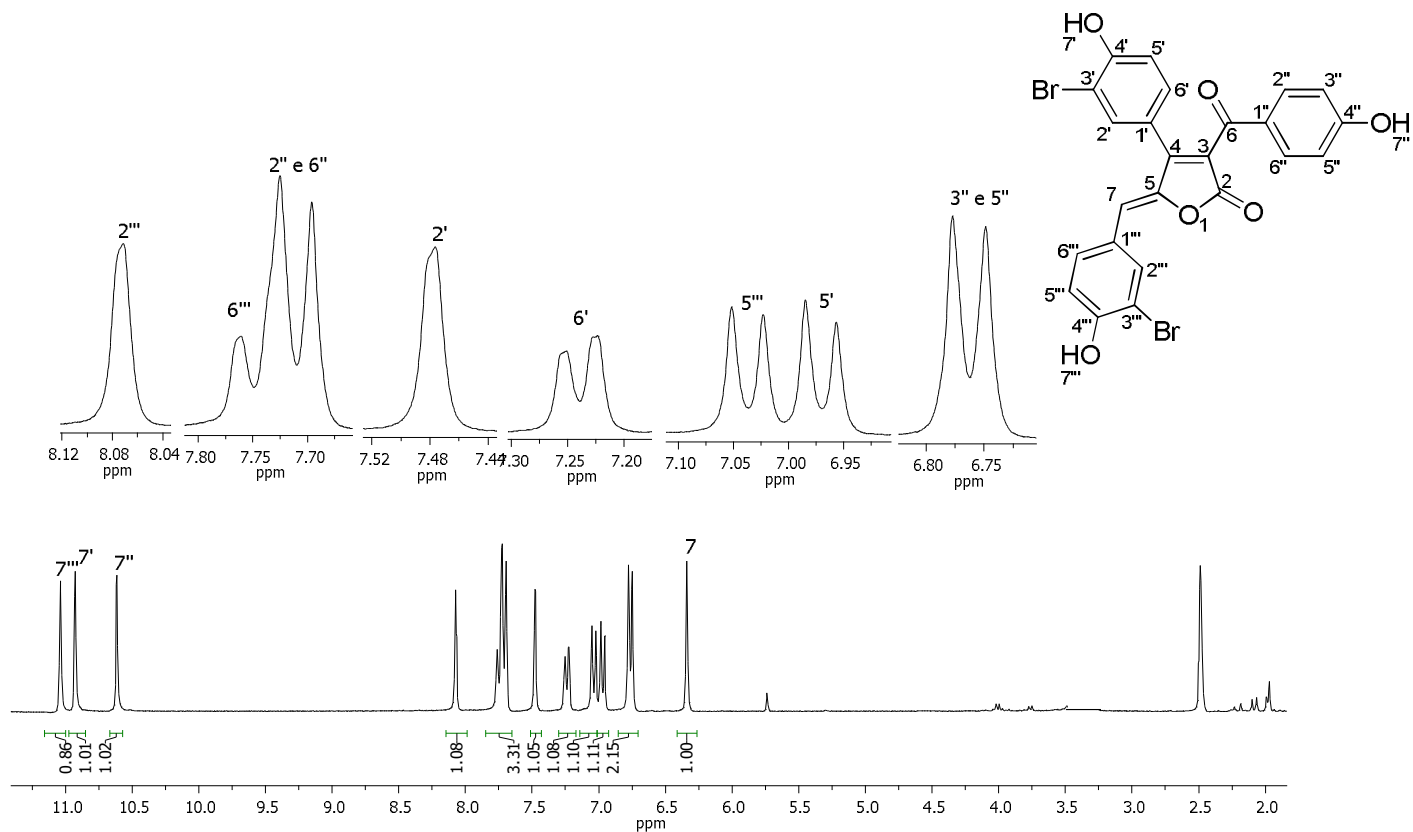


Figura 76S. RMN de ^1H (300 MHz, CDCl_3) para **16g**.

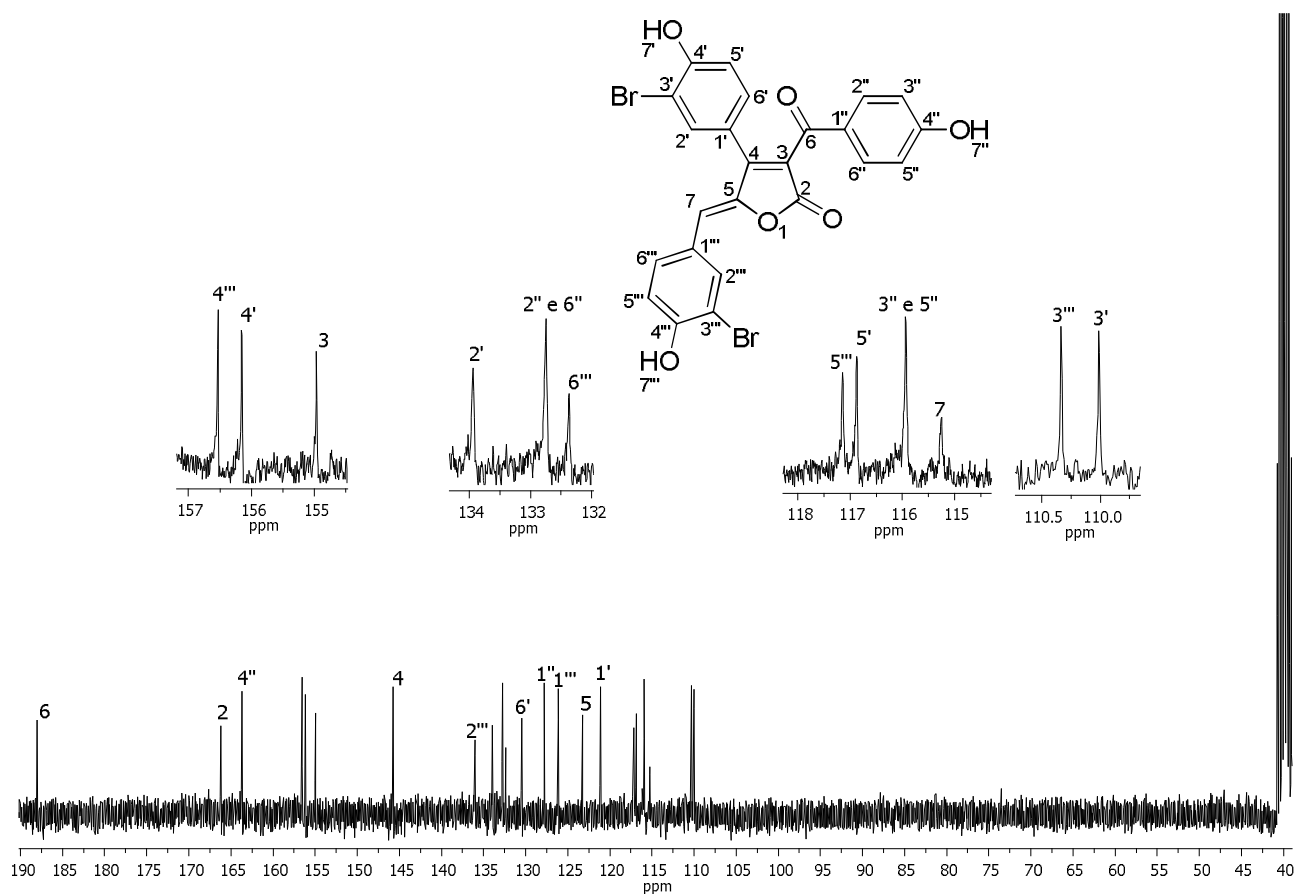


Figure 77S. RMN de ^{13}C (75 MHz, CDCl_3) para **16g**.

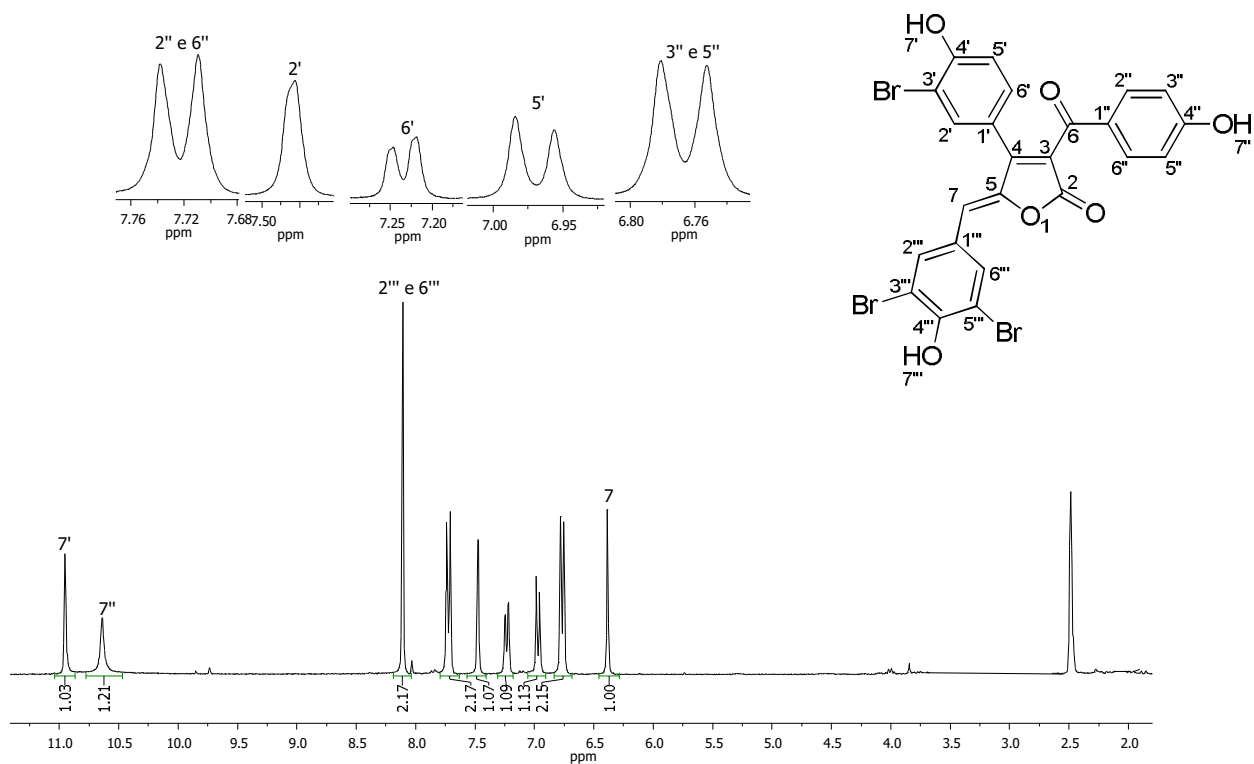


Figura 78S. RMN de ^1H (300 MHz, CDCl_3) para **16h**.

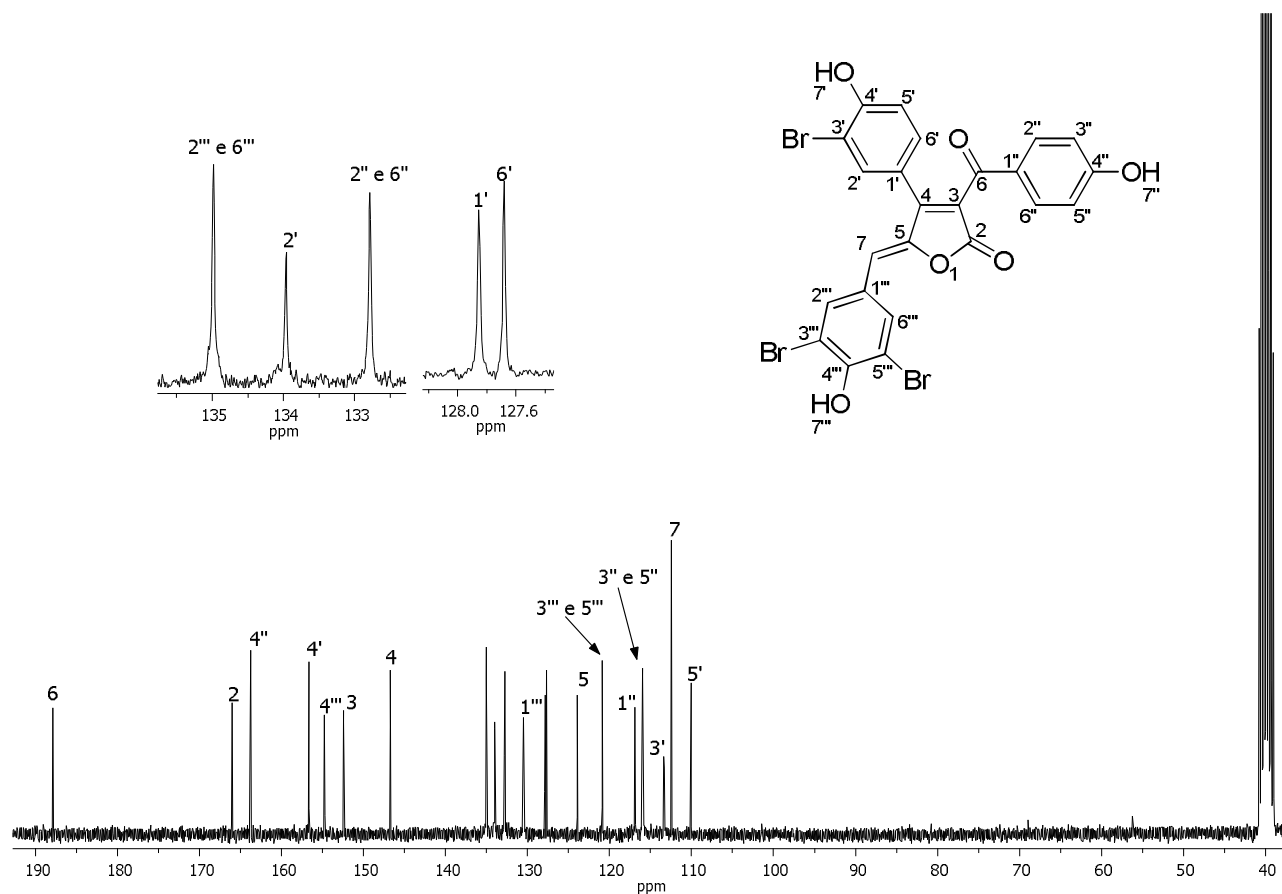


Figure 79S. RMN de ^{13}C (75 MHz, CDCl_3) para **16h**.

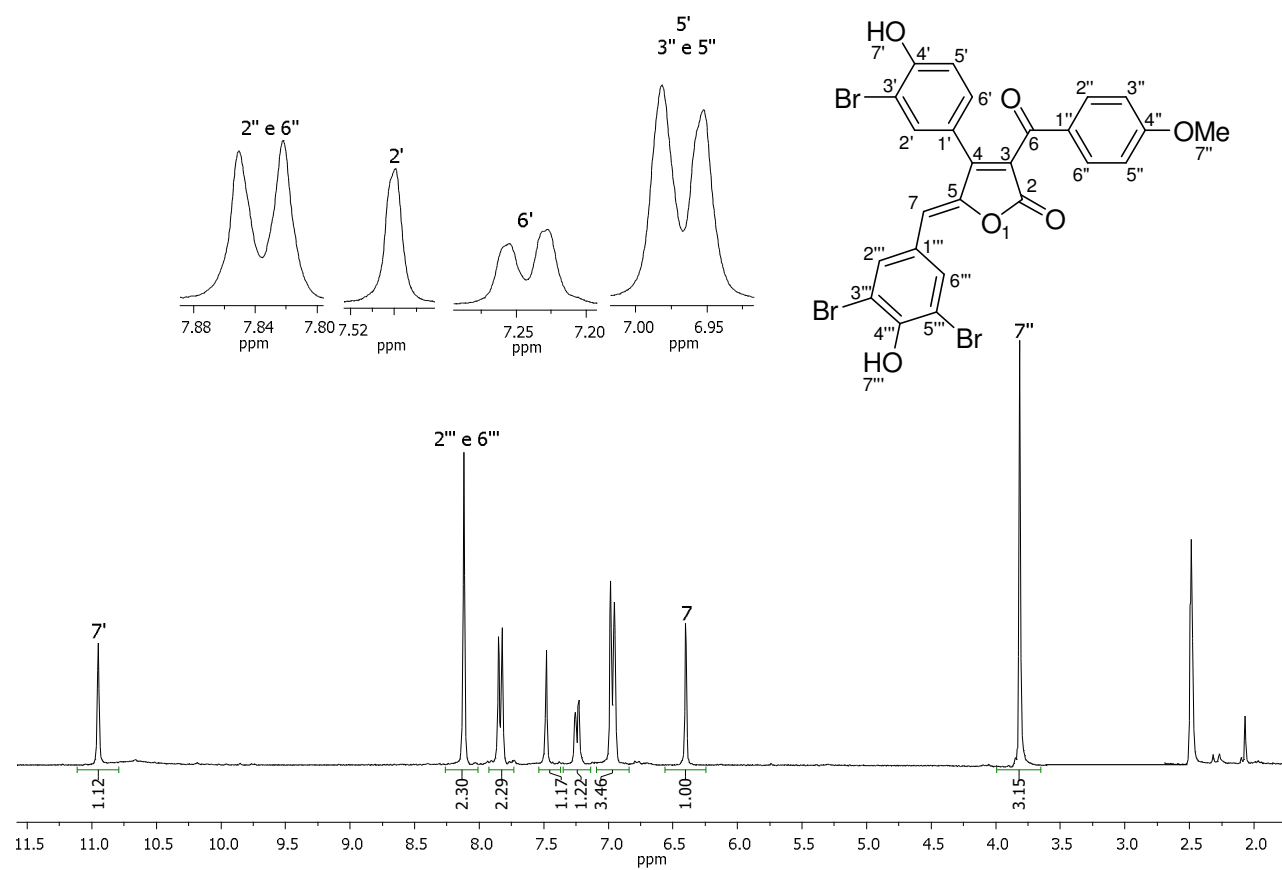


Figura 80S. RMN de ^1H (300 MHz, CDCl_3) para **16h'**.

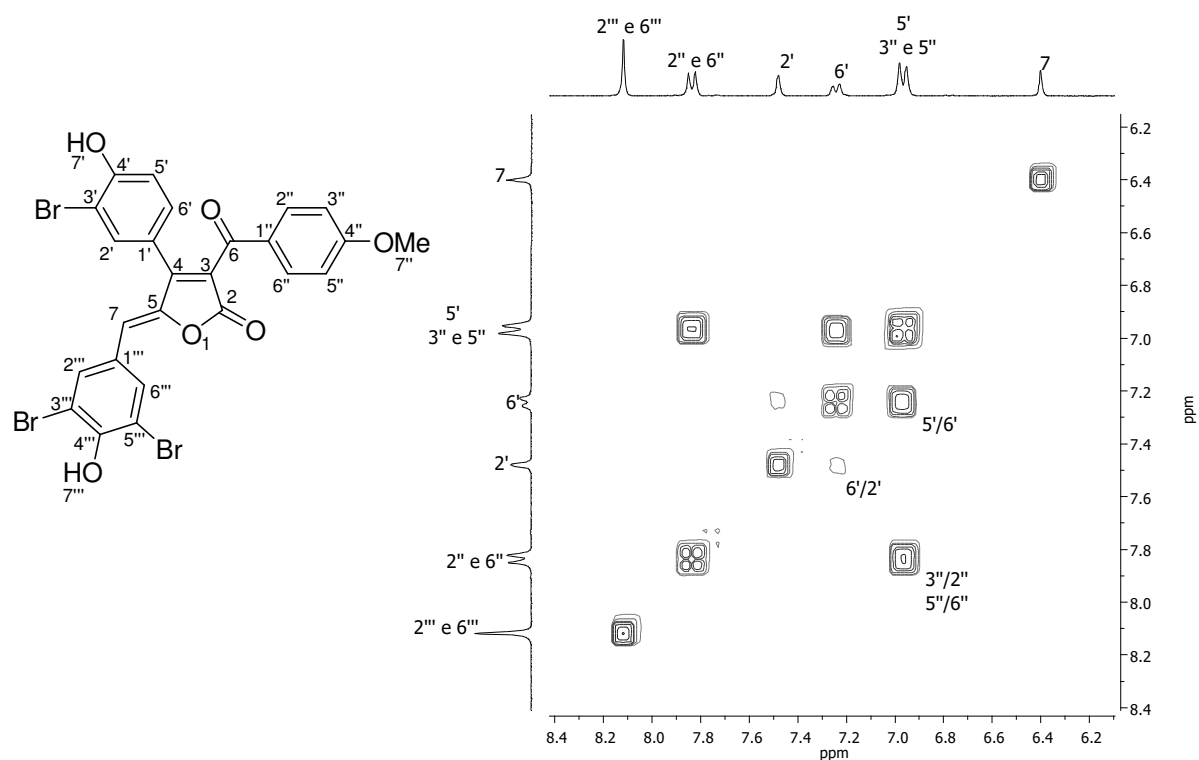


Figure 81S. Mapa de contorno *COSY* para **16h'**.

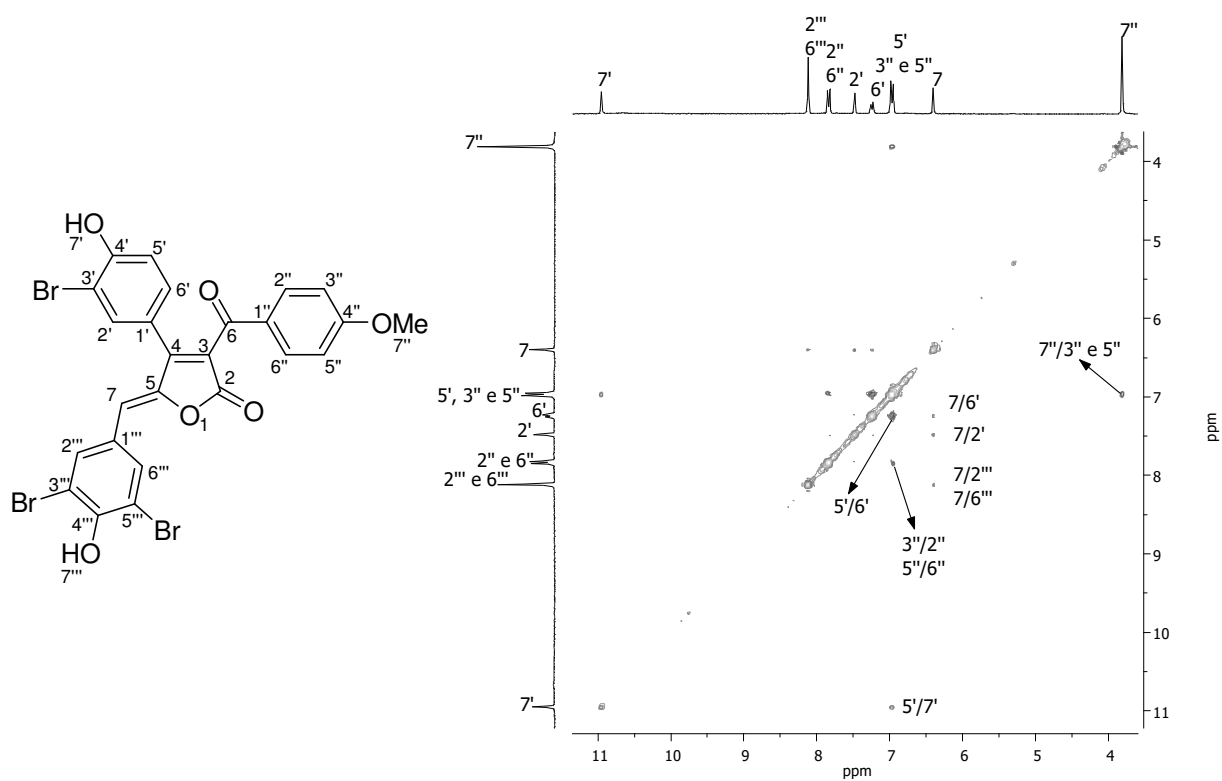


Figure 82S. Mapa de contorno *NOESY* para **16h'**.

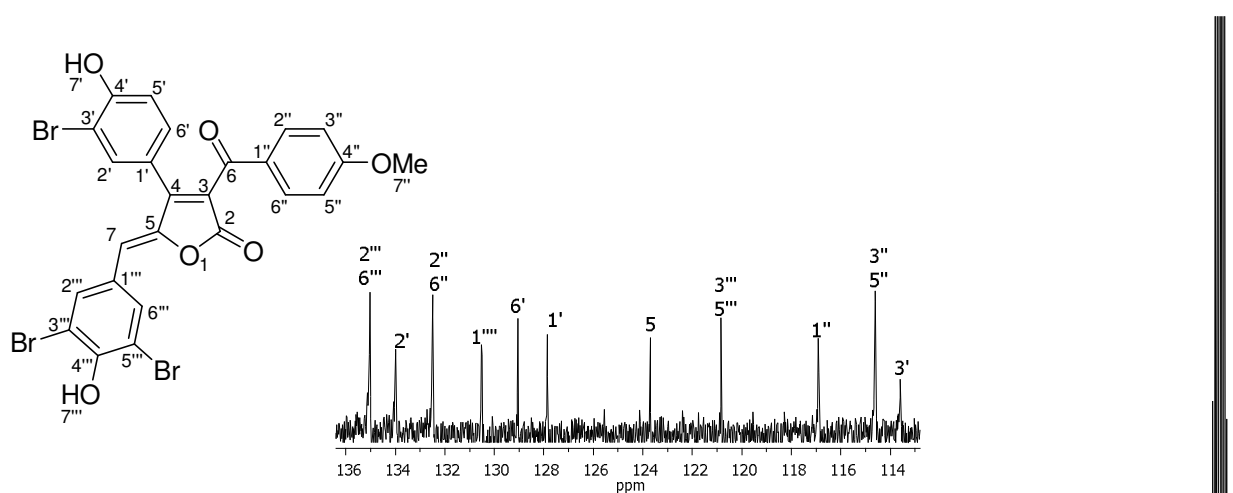


Figure 83S. RMN de ¹³C (75 MHz, CDCl₃) para **16h'**.

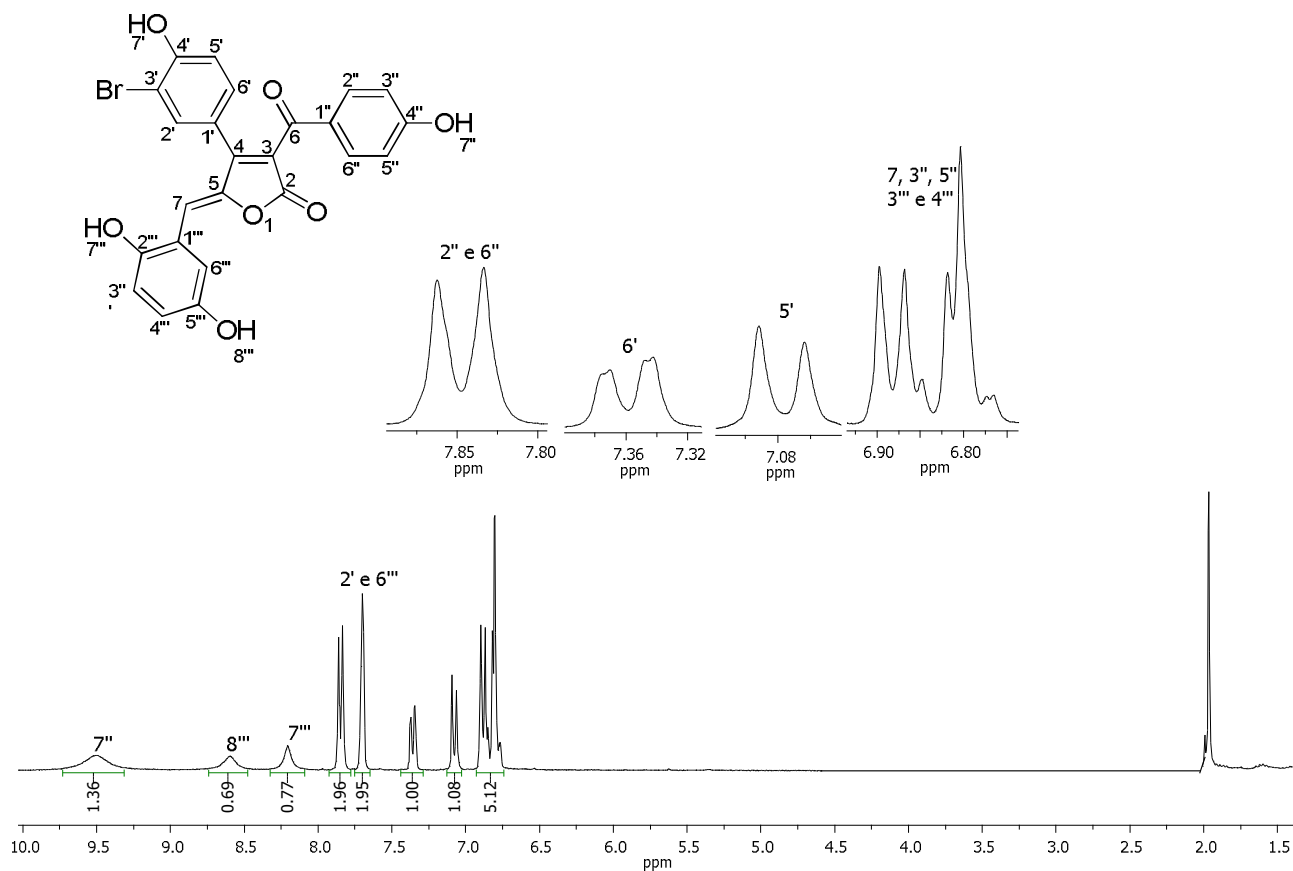


Figura 84S. RMN de ¹H (300 MHz, CDCl₃) para **16i**.

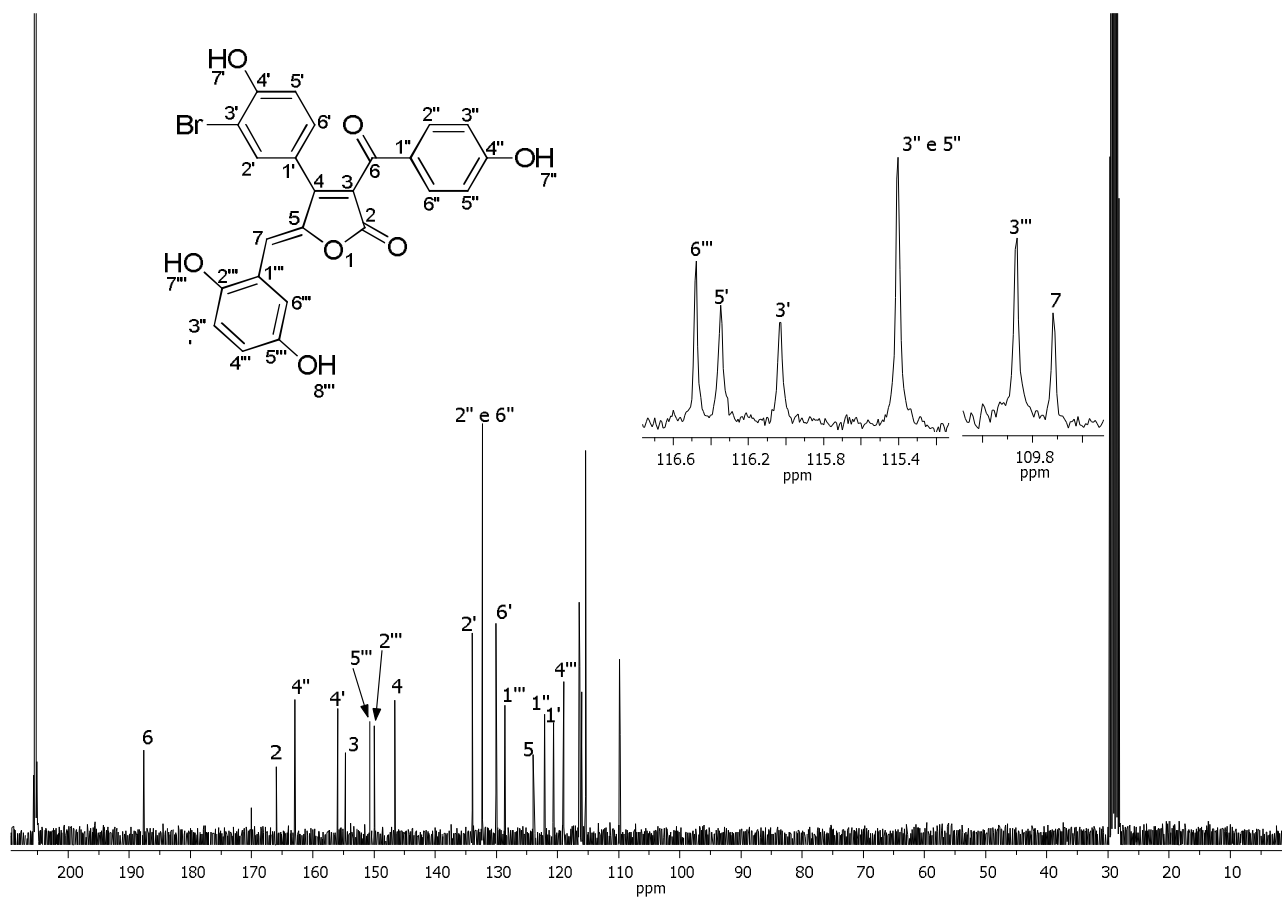


Figure 85S. RMN de ^{13}C (75 MHz, CDCl_3) para **16i**.