

Supporting Information To:

Functionalization of biphenylcarbazole (CBP) with siloxane-hybrid chains for solvent-free liquid materials

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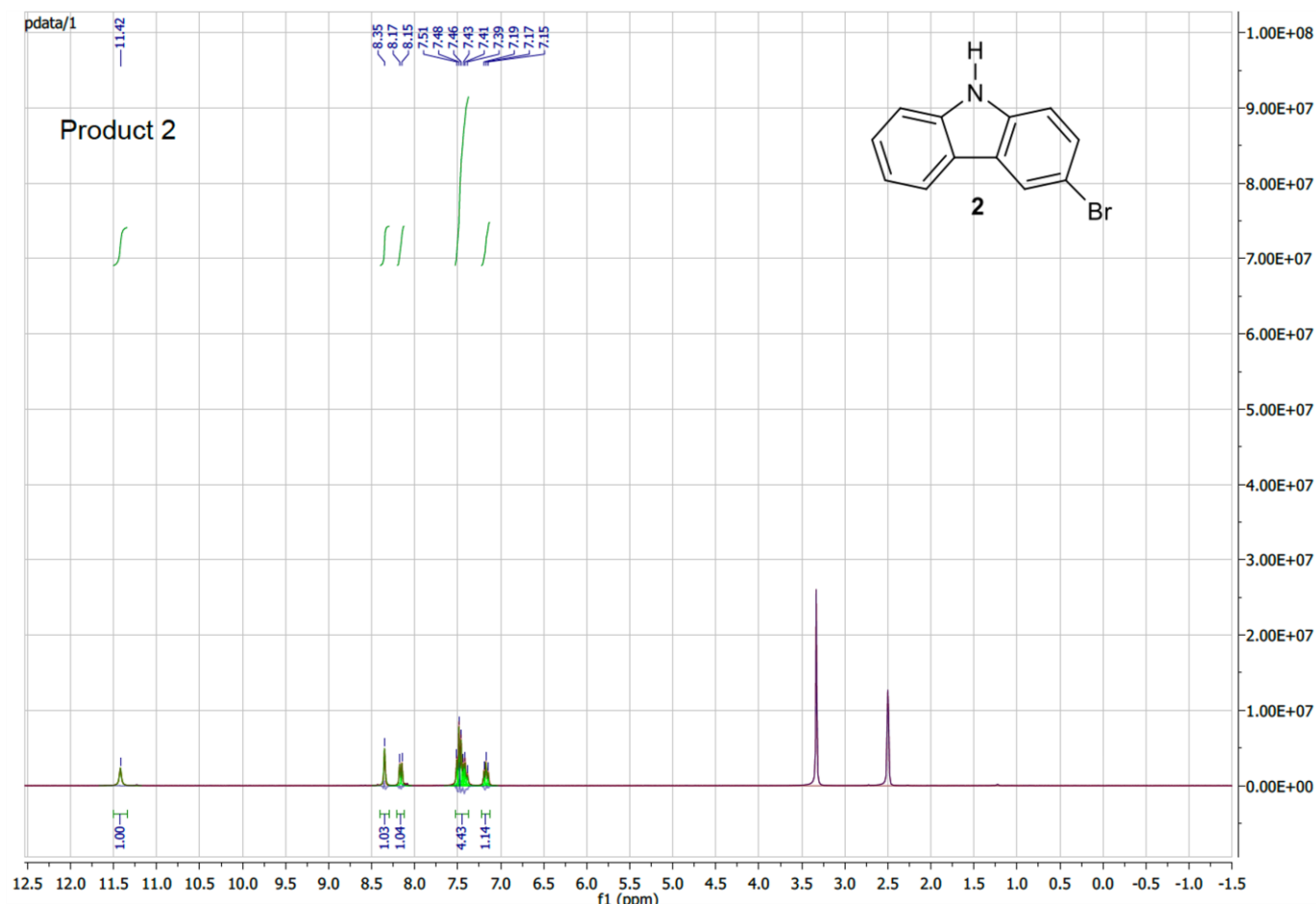
* Corresponding authors

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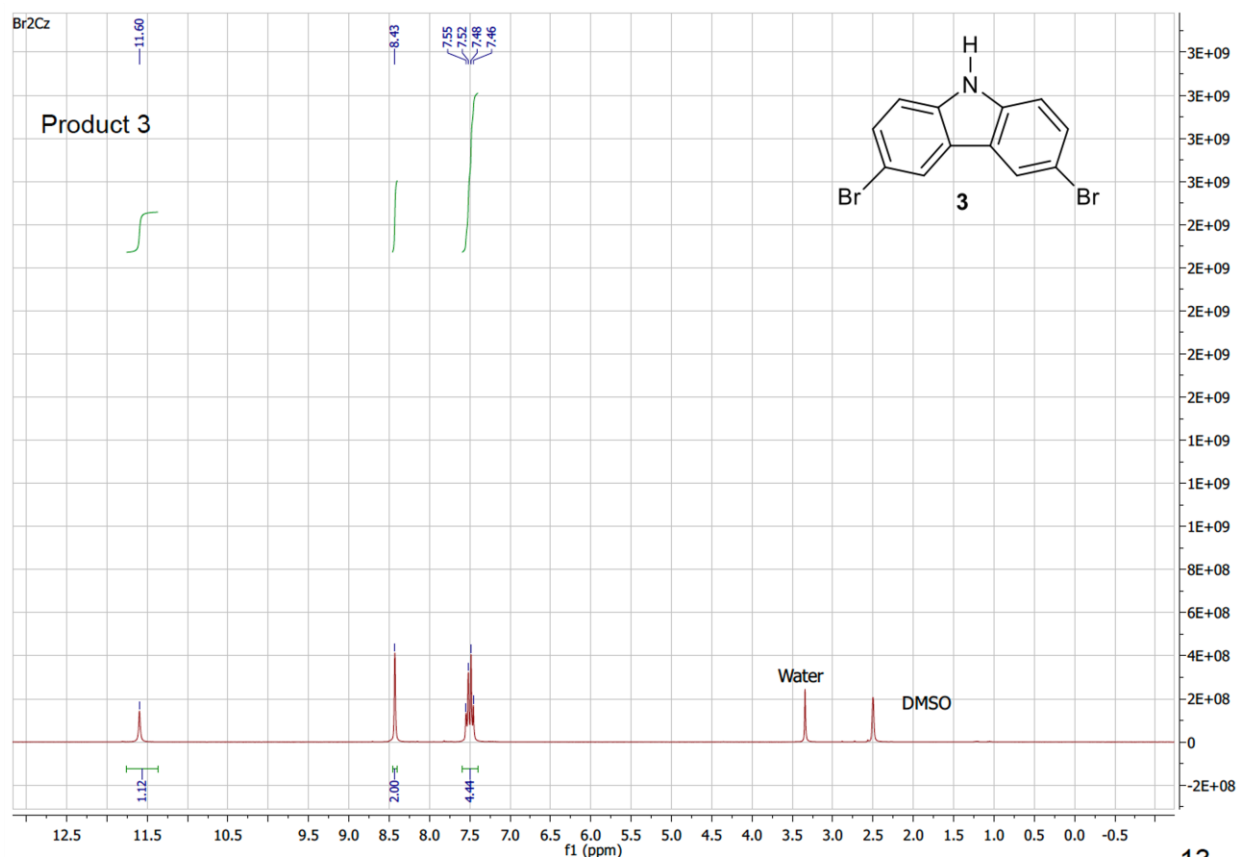
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^1H and ^{13}C NMR spectra were recorded on a Bruker Avance 300 and a Bruker 400 Ultrashield™ NMR spectrometers, with an internal lock on the 2H -signal of the solvent. Chemical shifts (δ) are given in ppm to the nearest 0.01 (^1H) or 0.1 ppm ($^{13}\text{C}\{^1\text{H}\}$ NMR) (recorded with complete proton decoupling and written as ^{13}C in the experimental part for simplicity). The coupling constants (J) are given in Hertz (Hz). The signals are reported as follows: (s = singlet, d = doublet, t = triplet, quint = quintet, m = multiplet). Mass spectra analyses were performed by using a Maldi-TOF or GC/MS. The former were carried out on a time-of-flight mass spectrometer (MALDI-TOF-TOF Autoflex II TOF-TOF, Bruker Daltonics, Bremen, Germany) equipped with a nitrogen laser ($\lambda = 337 \text{ nm}$). The latter was carried out on a gas chromatograph coupled with an electron ionization mass spectrometer 7090-5975C from Agilent Technologies.

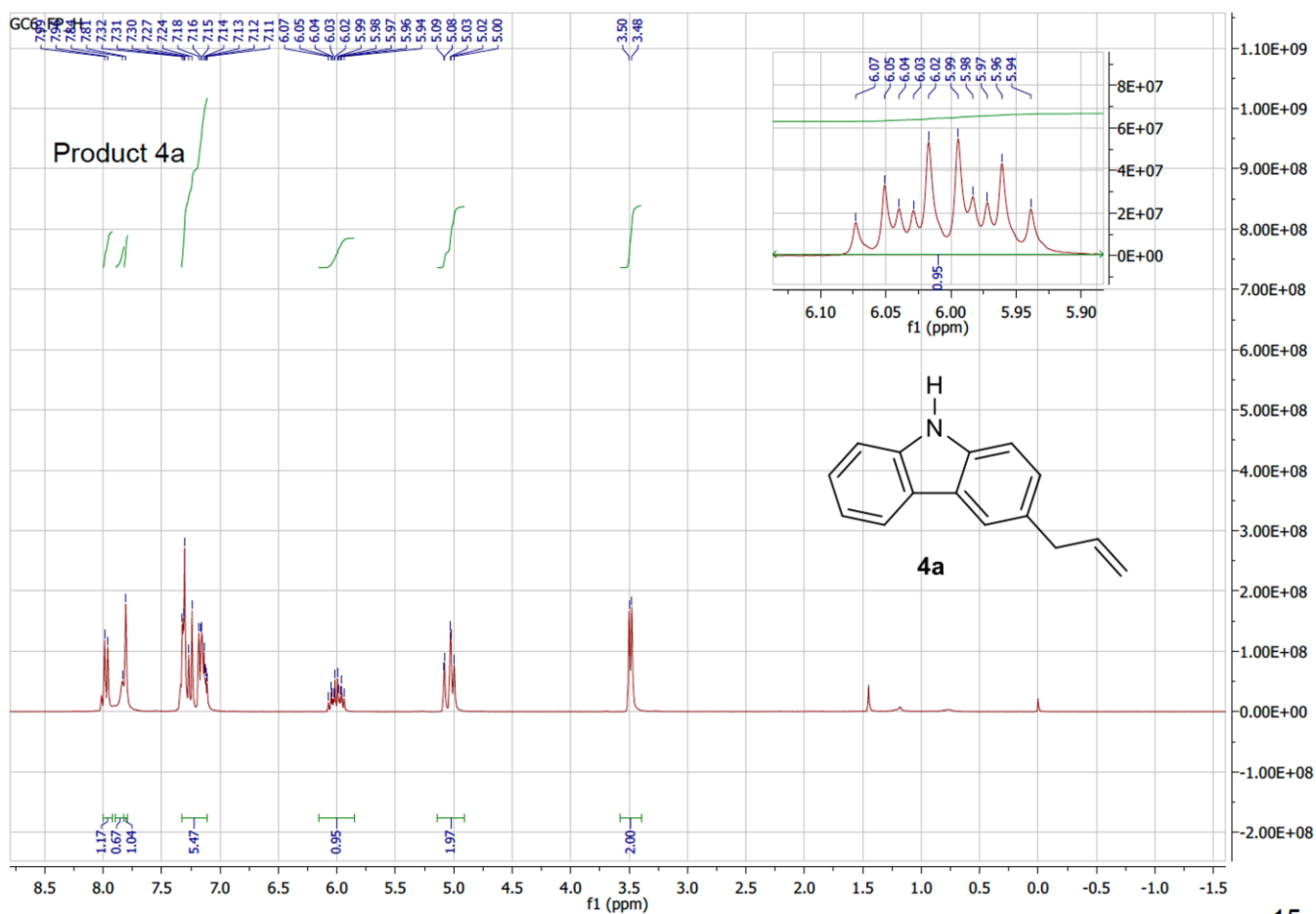
^1H NMR of (2)



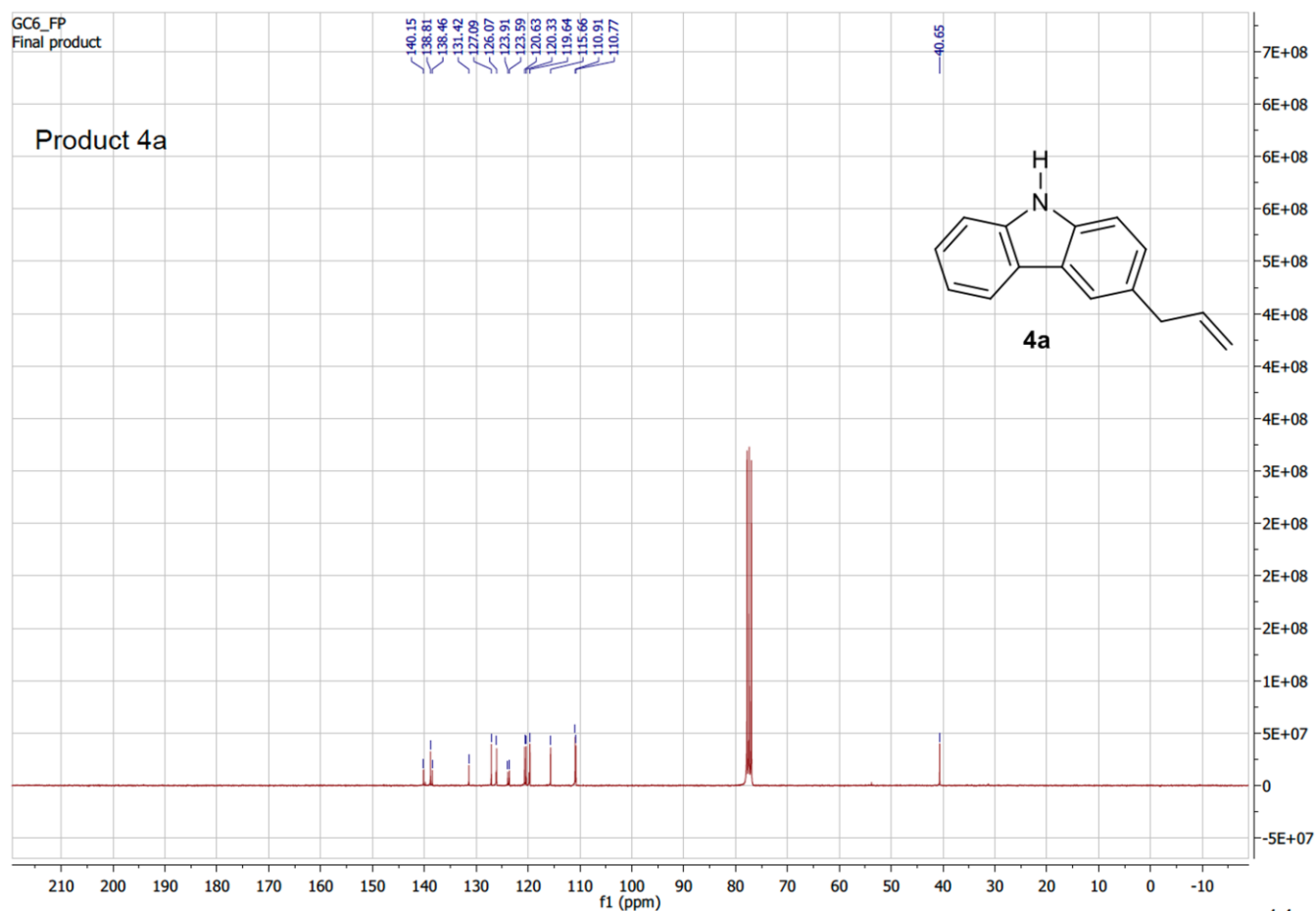
¹H NMR of (3)



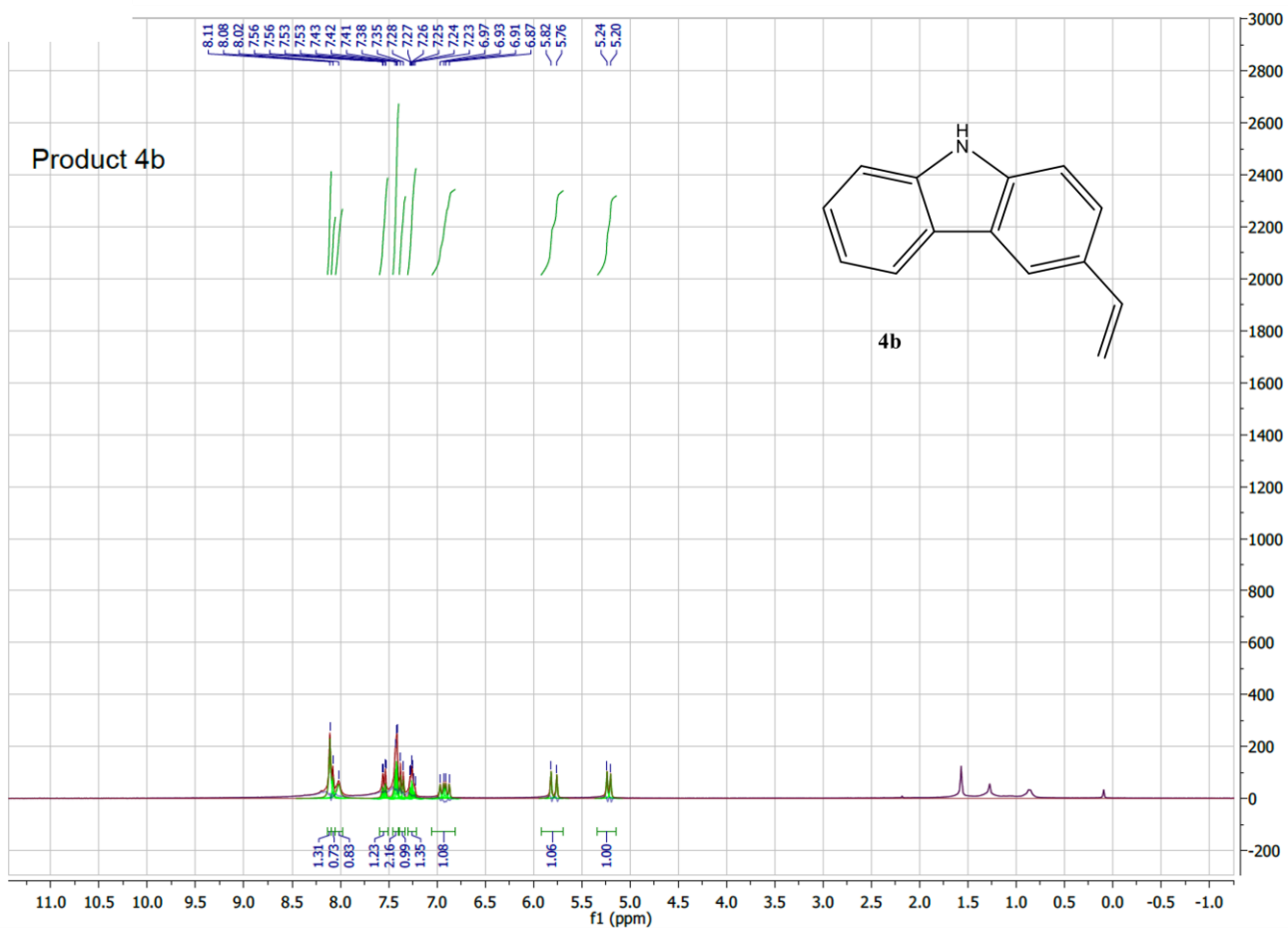
¹H NMR of (4a)



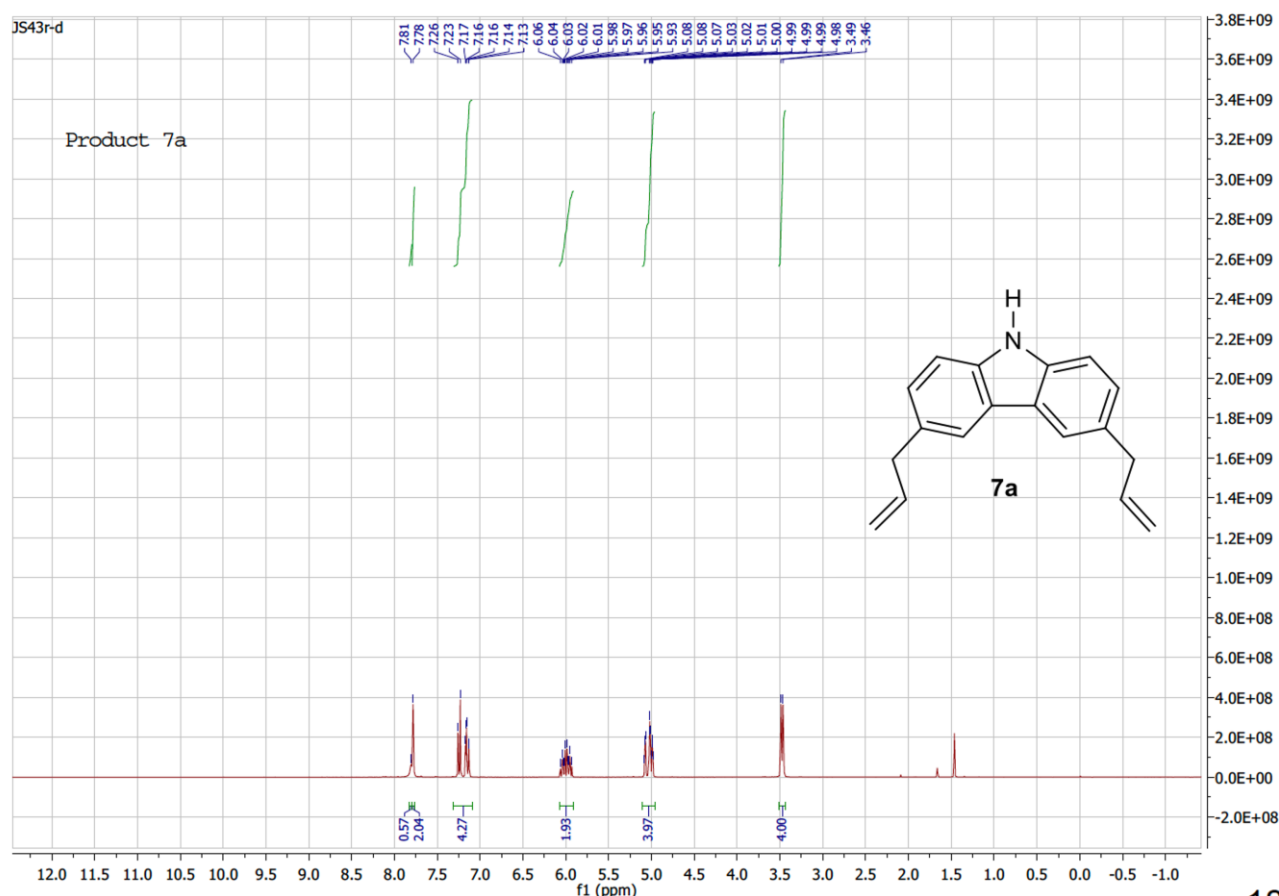
¹³C NMR of (4a)



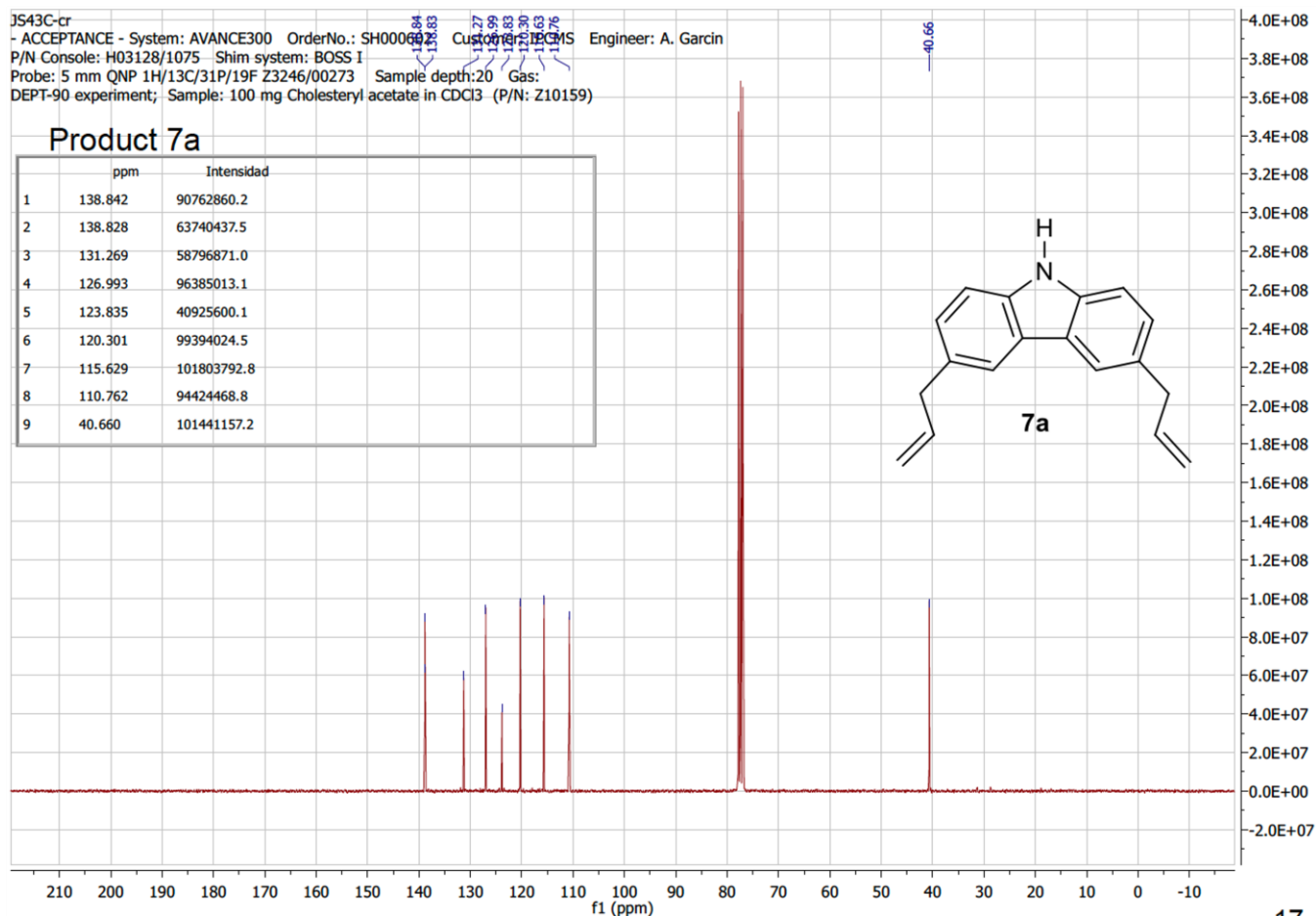
¹H NMR of (4b)



¹H NMR of (7a)

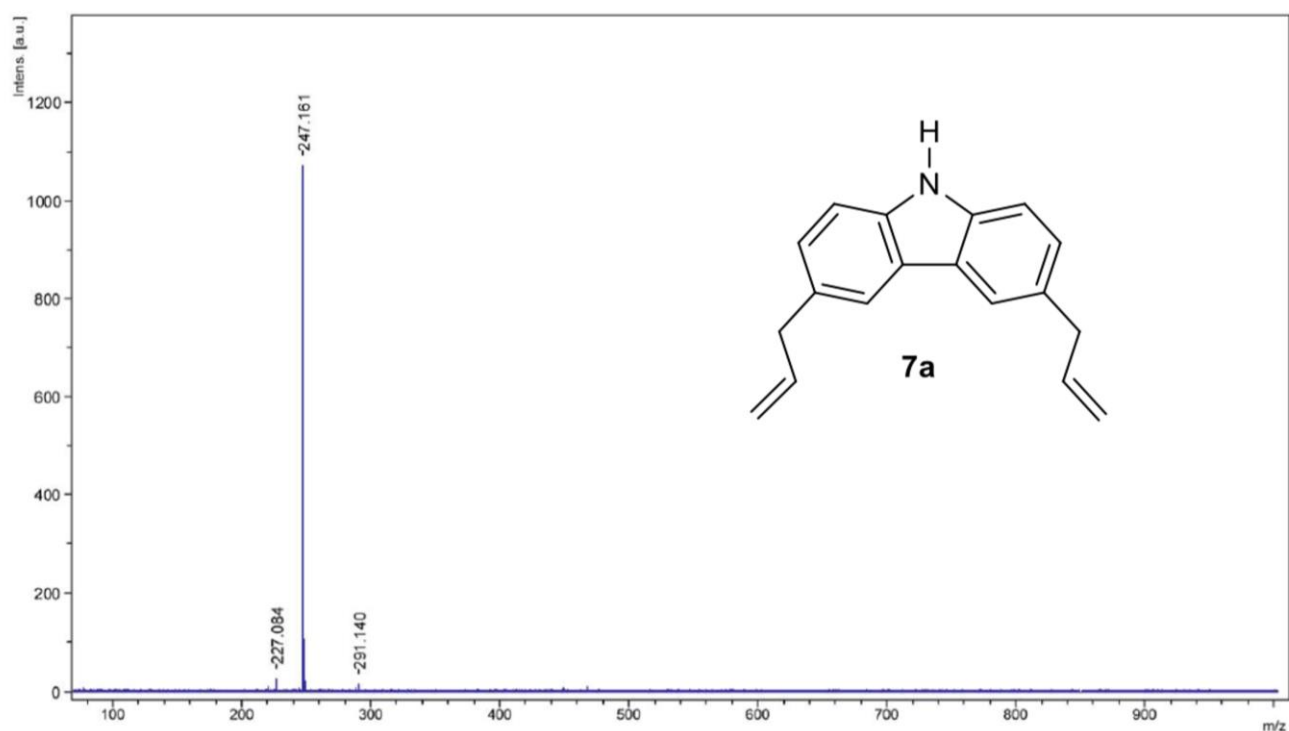


¹³C NMR of (7a)

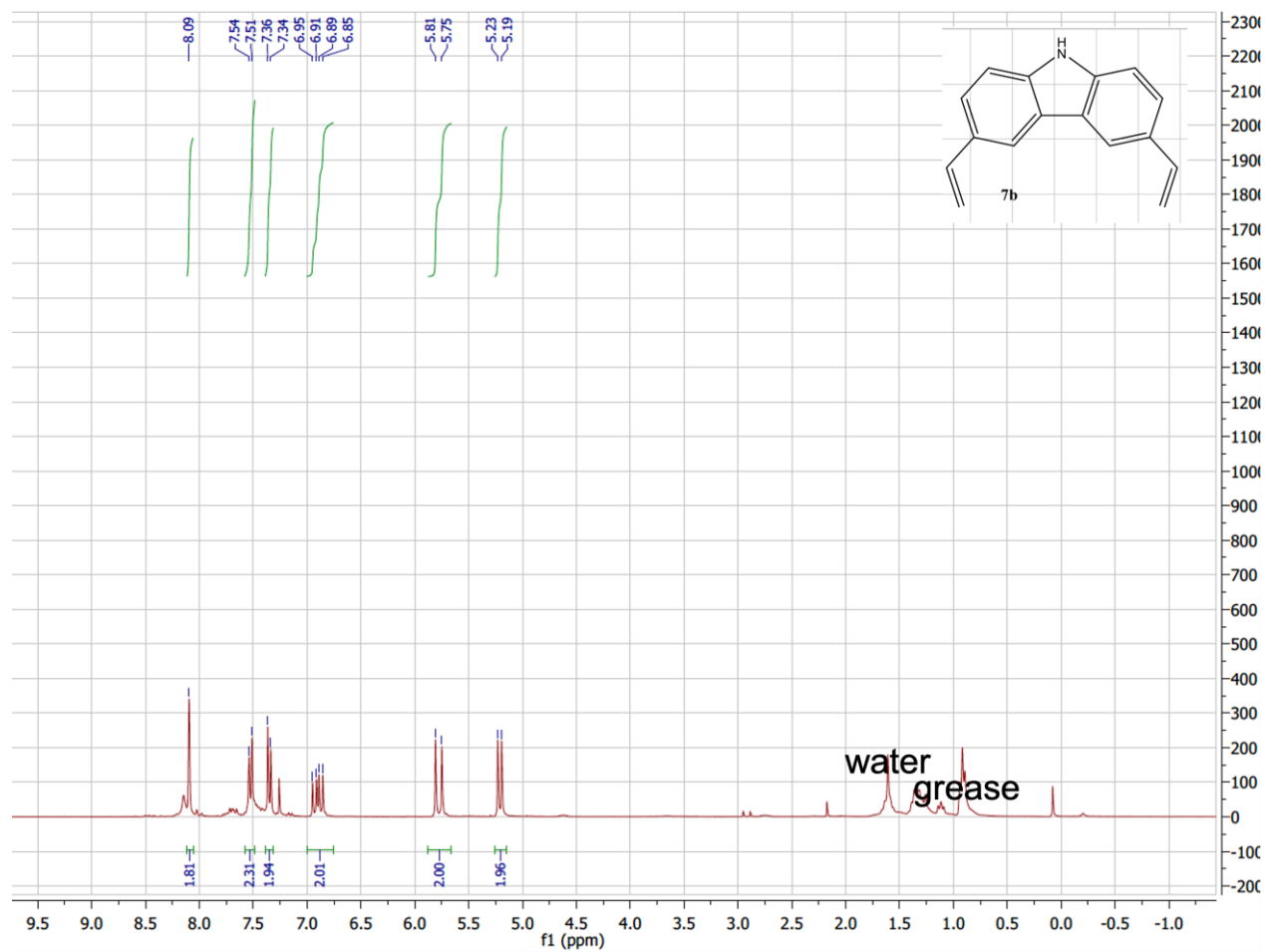


MALDI of (7a)

Product 7a



¹H NMR of (7b)

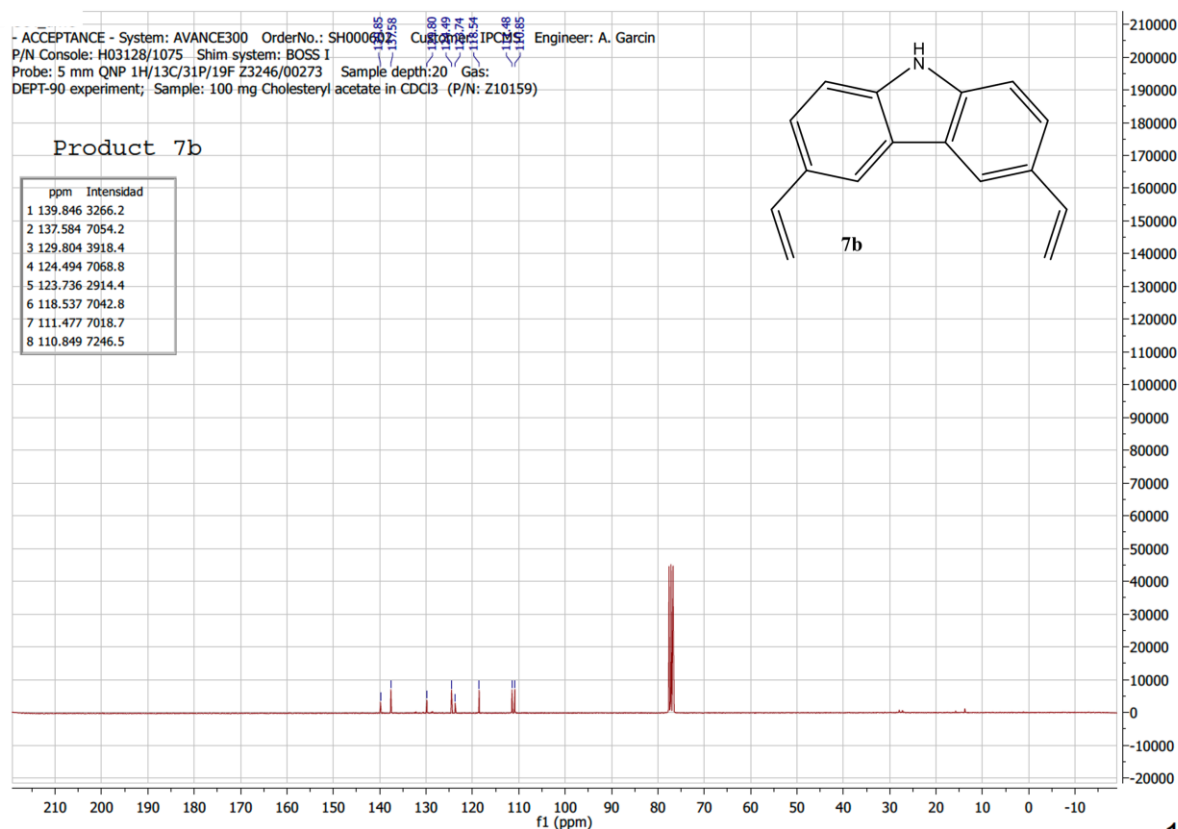
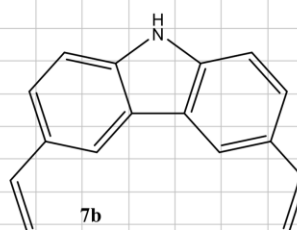


¹³C NMR of (7b)

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DEPT-90 experiment; Sample: 100 mg Cholesteryl acetate in CDCl₃ (P/N: Z10159)

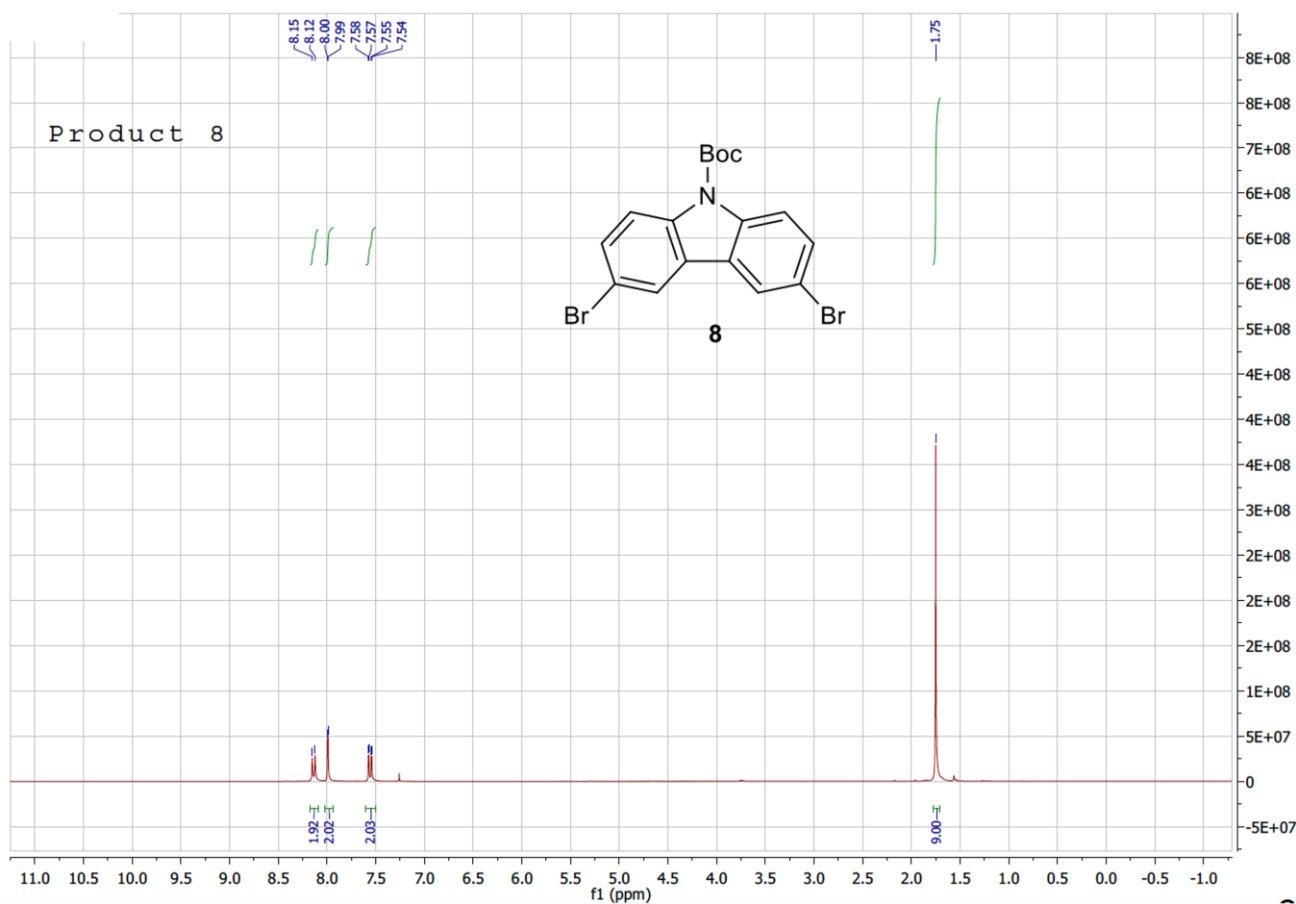
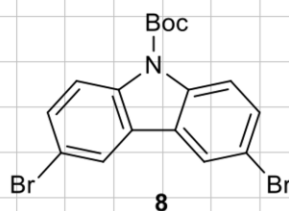
Product 7b

ppm	Intensidad
1 139.846	3266.2
2 137.584	7054.2
3 129.804	3918.4
4 124.494	7068.8
5 123.736	2914.4
6 118.537	7042.8
7 111.477	7018.7
8 110.849	7246.5



¹H NMR of (8)

Product 8

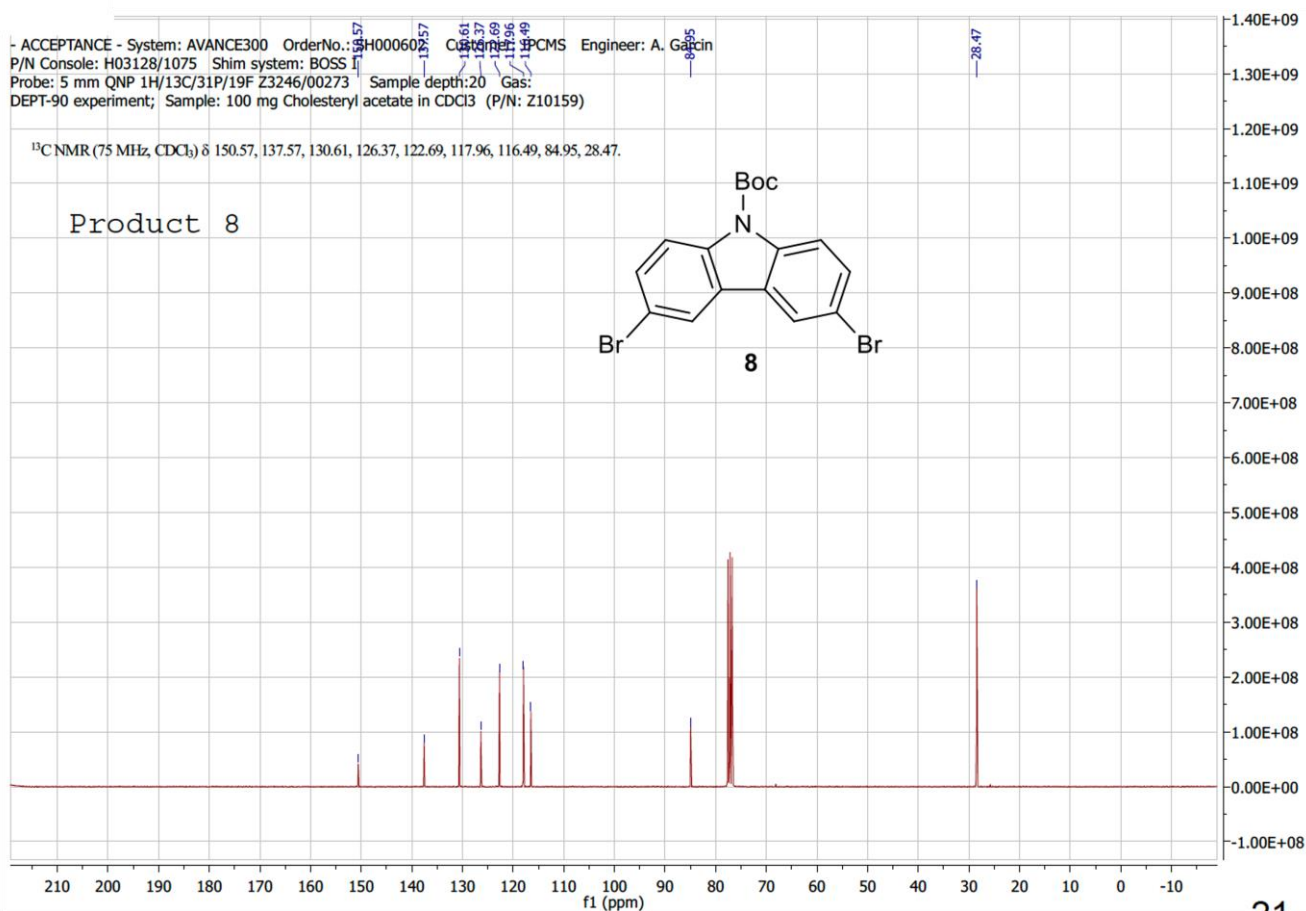
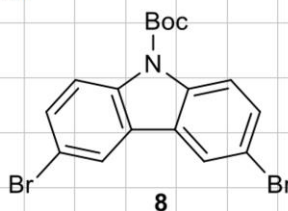


¹³C NMR of (8)

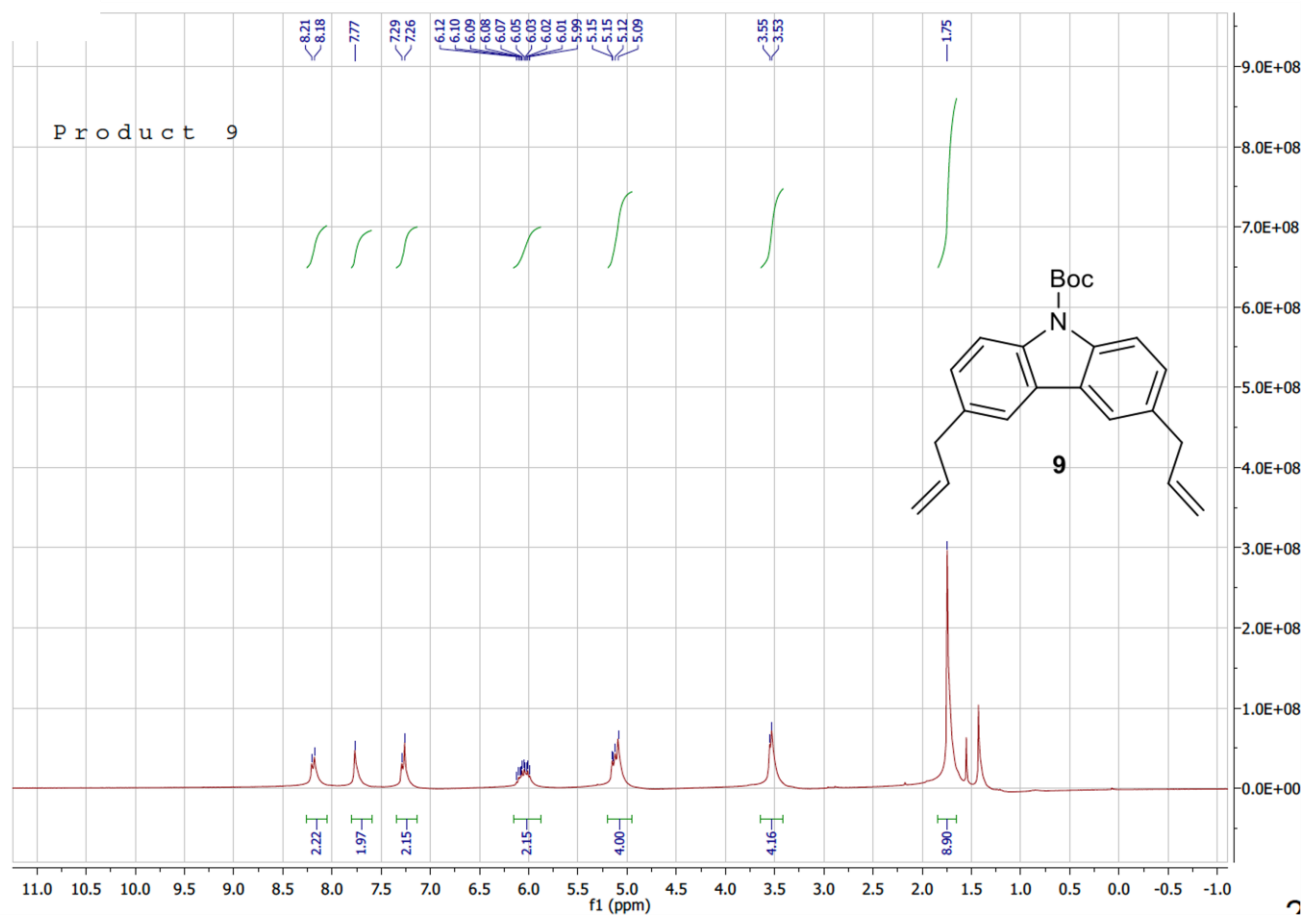
ACCEPTANCE - System: AVANCE300 OrderNo.: SH000602 Customer: PCMS Engineer: A. Garcia
P/N Console: H03128/1075 Shim system: BOSS 1
Probe: 5 mm QNP 1H/13C/31P/19F Z3246/00273 Sample depth: 20 Gas:
DEPT-90 experiment; Sample: 100 mg Cholesteryl acetate in CDCl₃ (P/N: Z10159)

¹³C NMR (75 MHz, CDCl₃) δ 150.57, 137.57, 130.61, 126.37, 122.69, 117.96, 116.49, 84.95, 28.47.

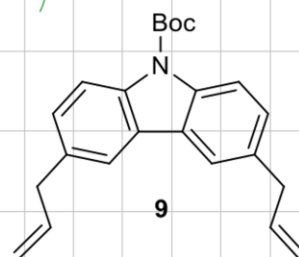
Product 8



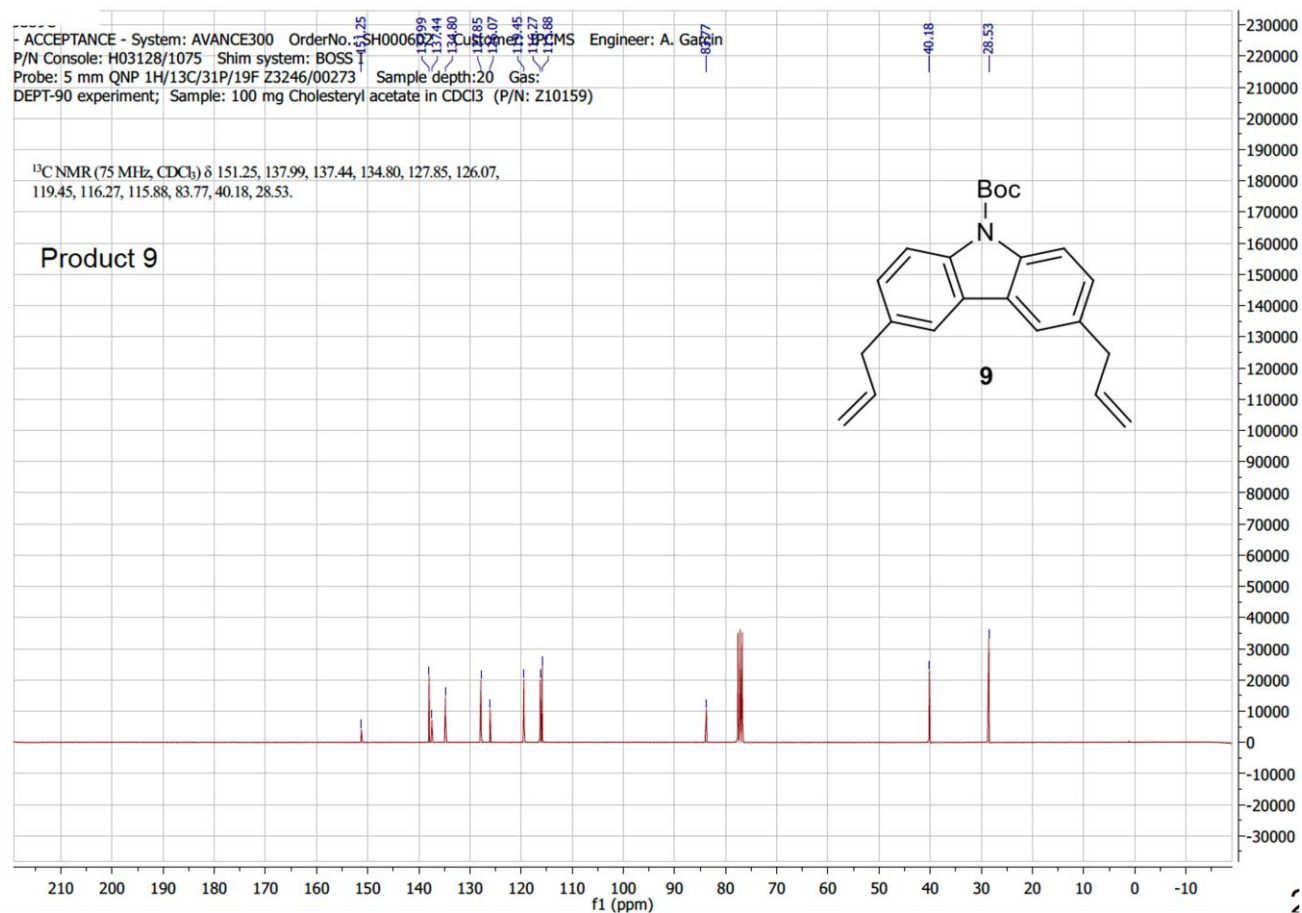
¹H NMR of (9)



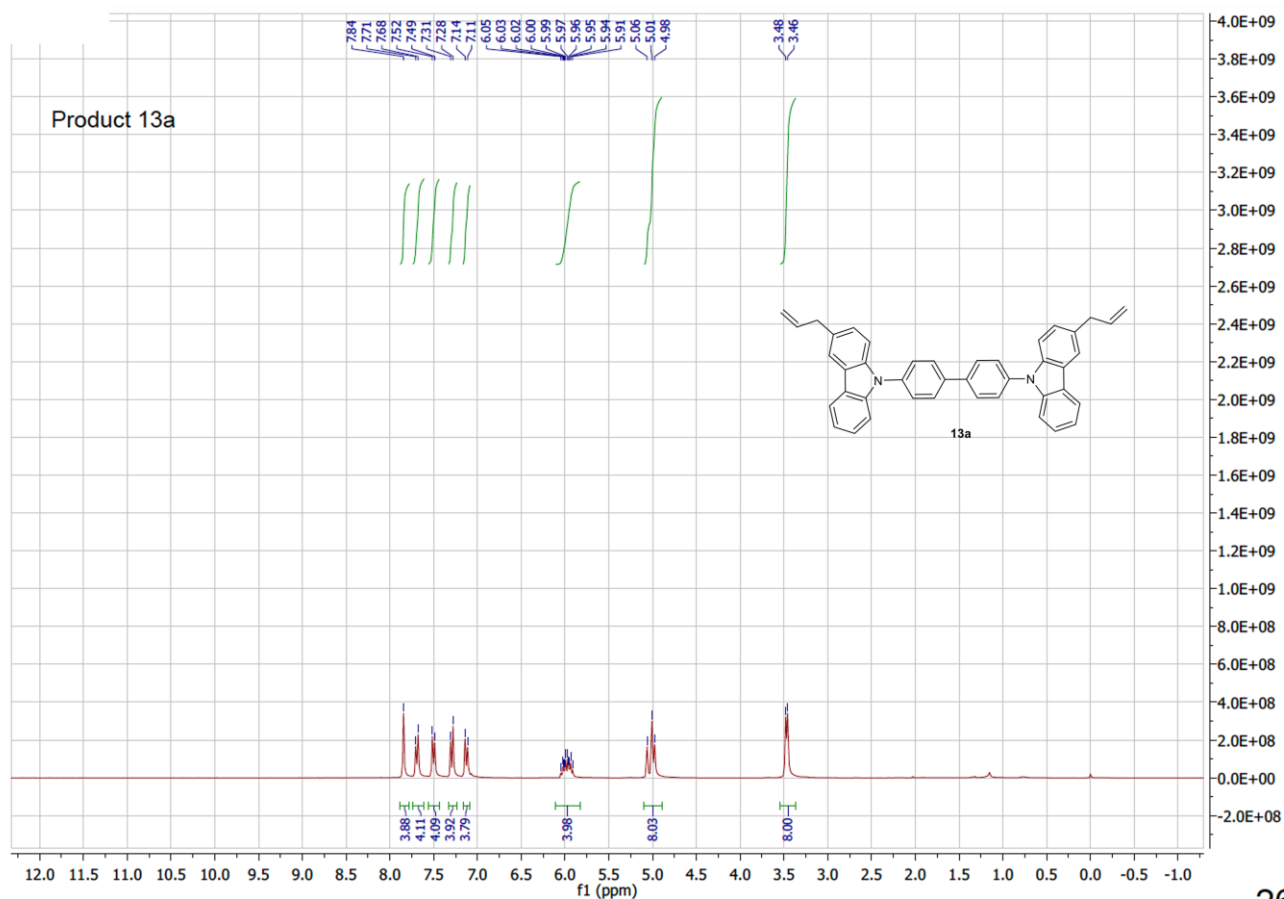
Product 9



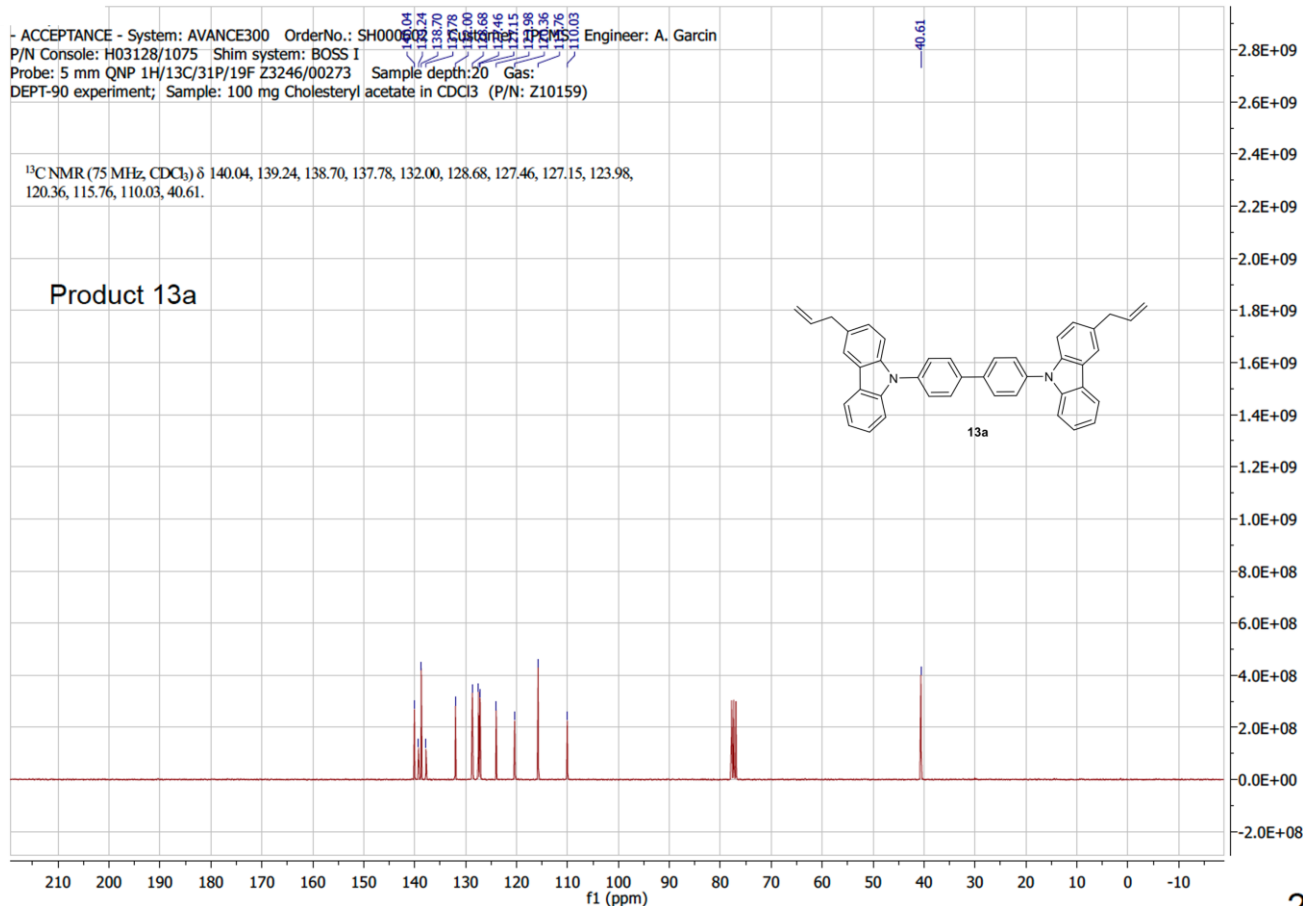
¹³C NMR of (9)



¹H NMR of (13a)

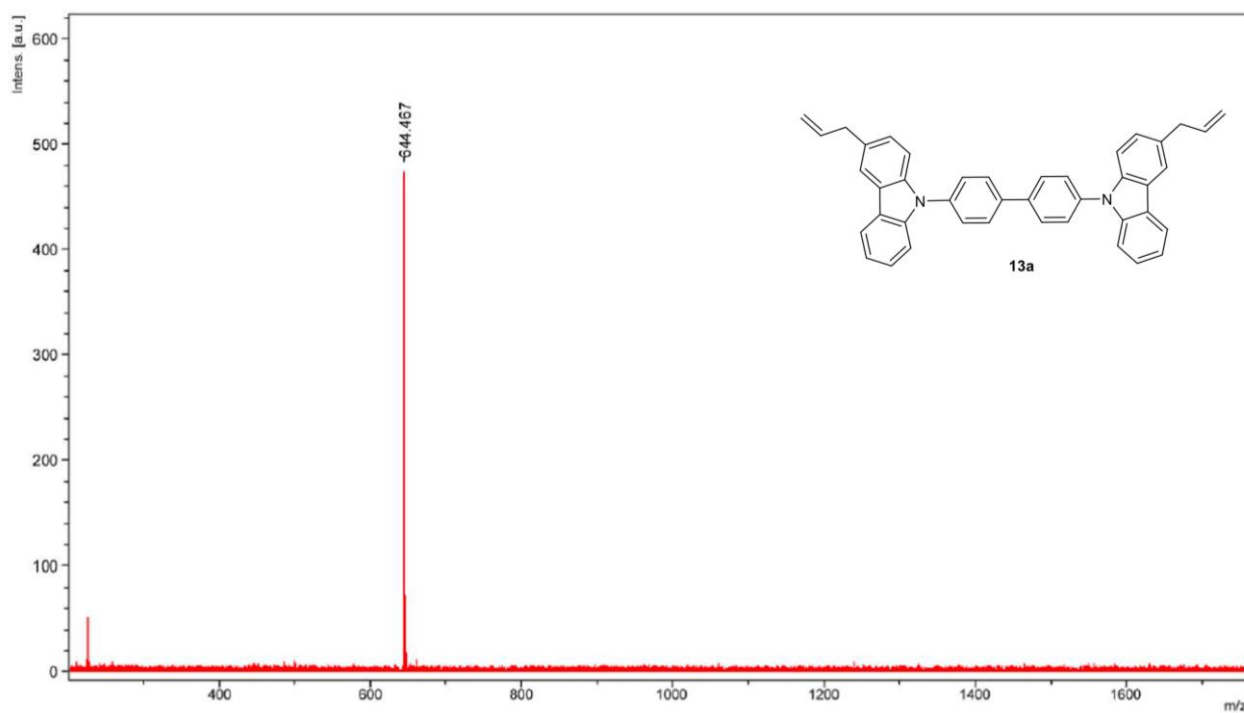


¹³C NMR of (13a)

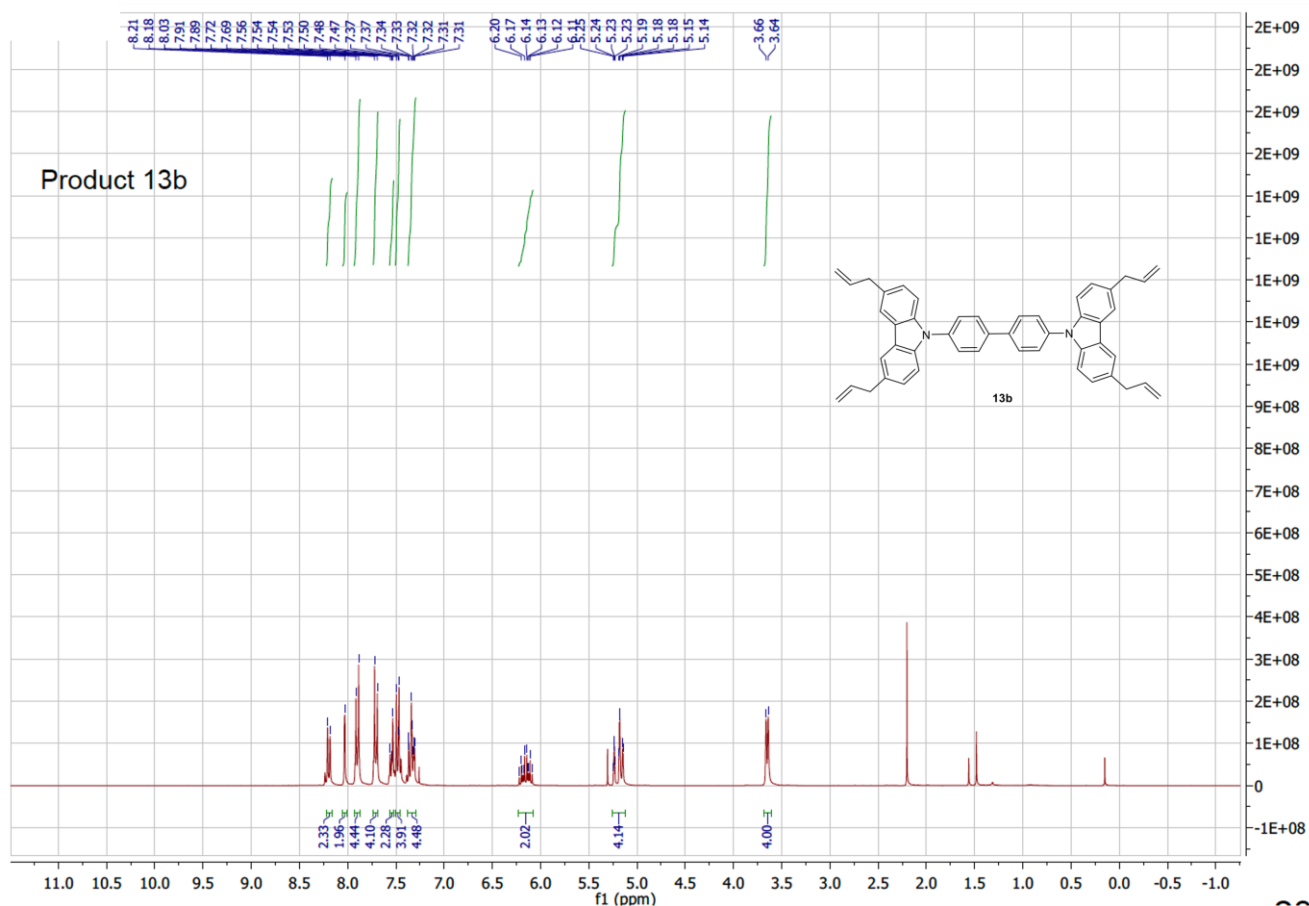


MALDI of (13a)

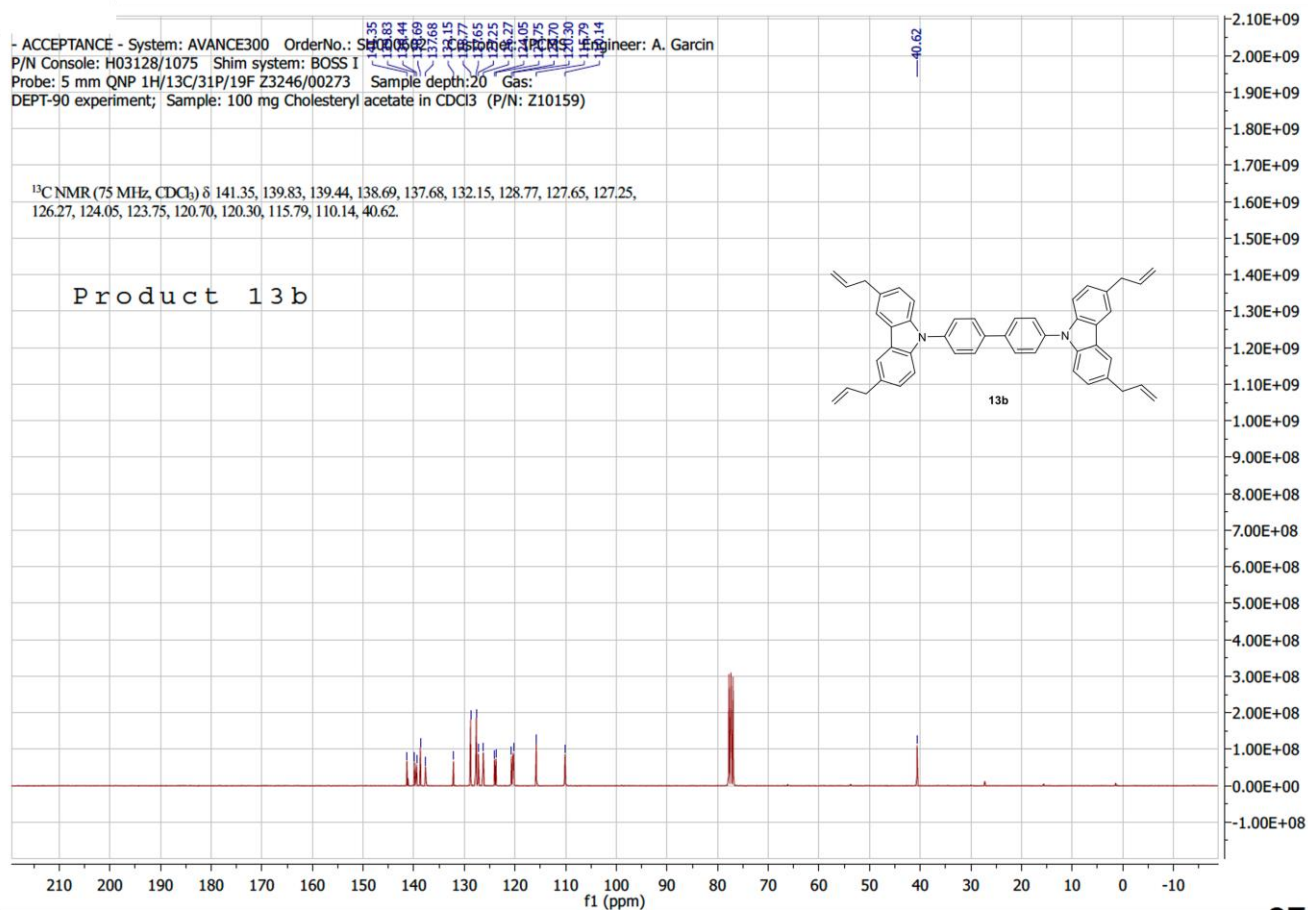
Product 13a



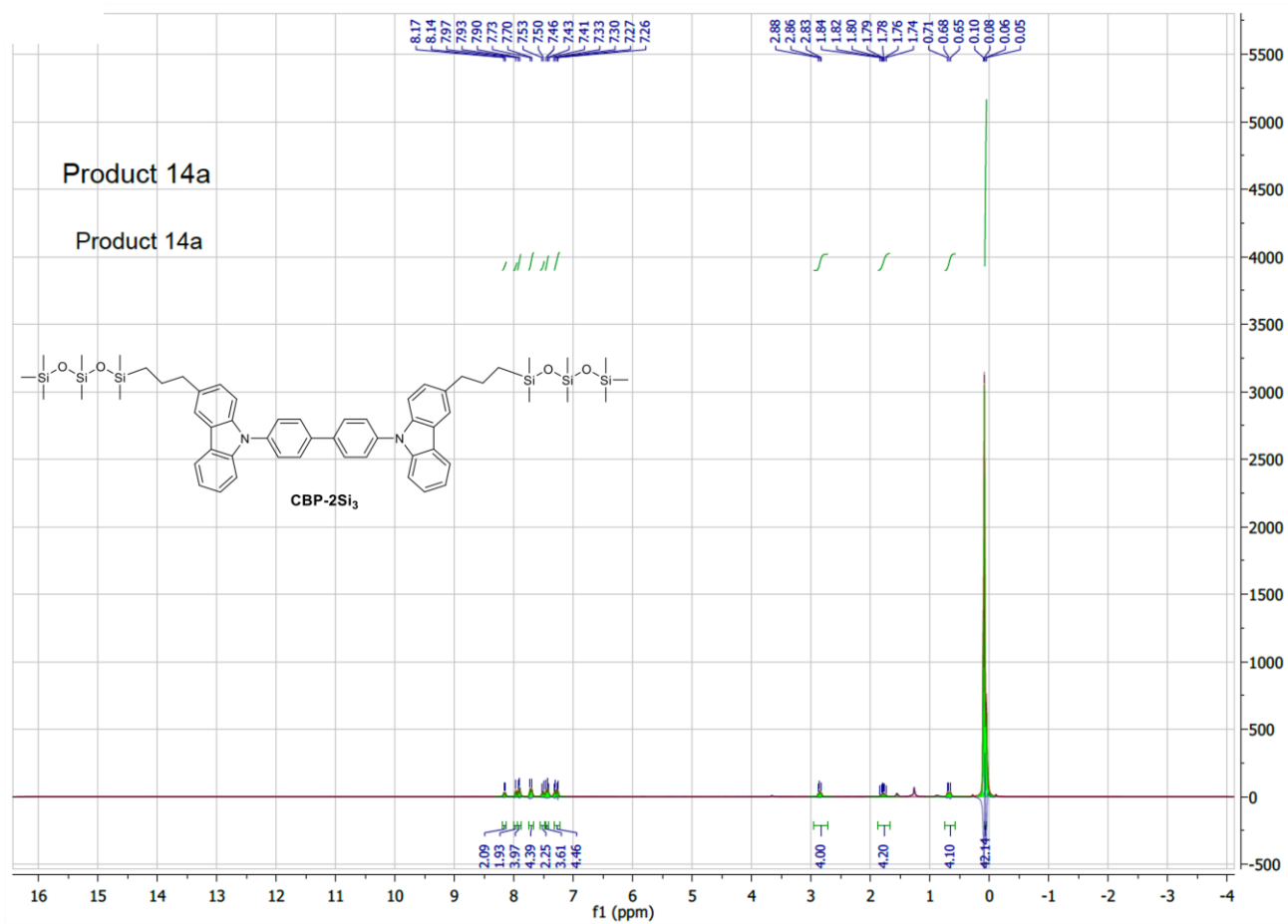
¹H NMR of (13b)



¹³C NMR of (13b)

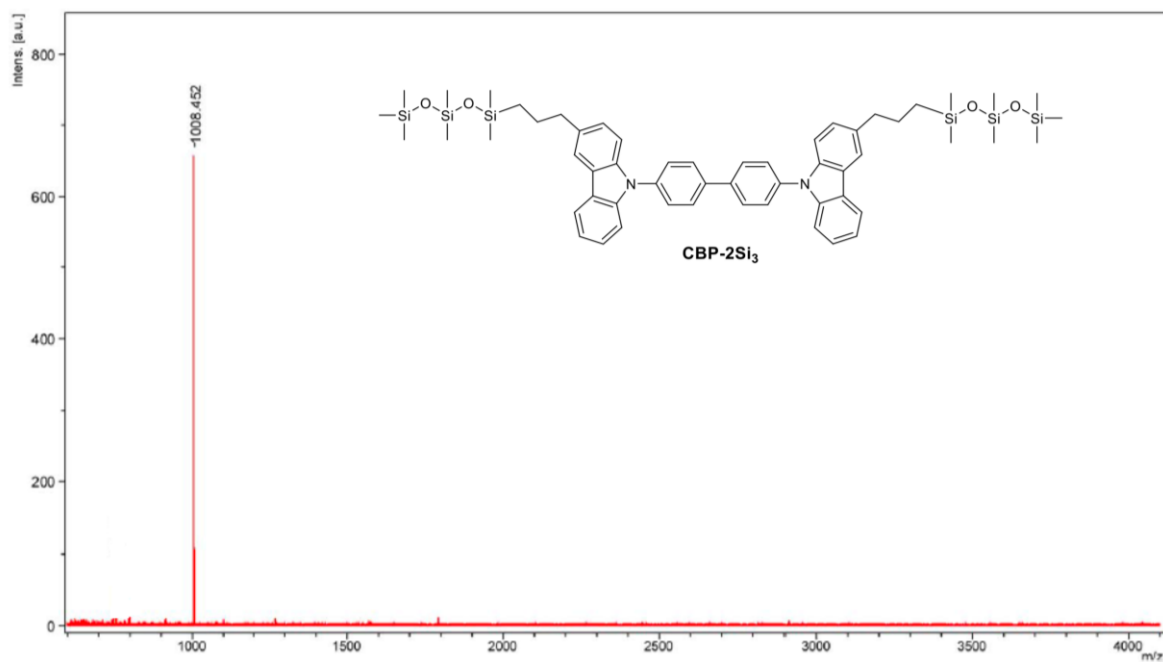


^1H NMR of (14a)

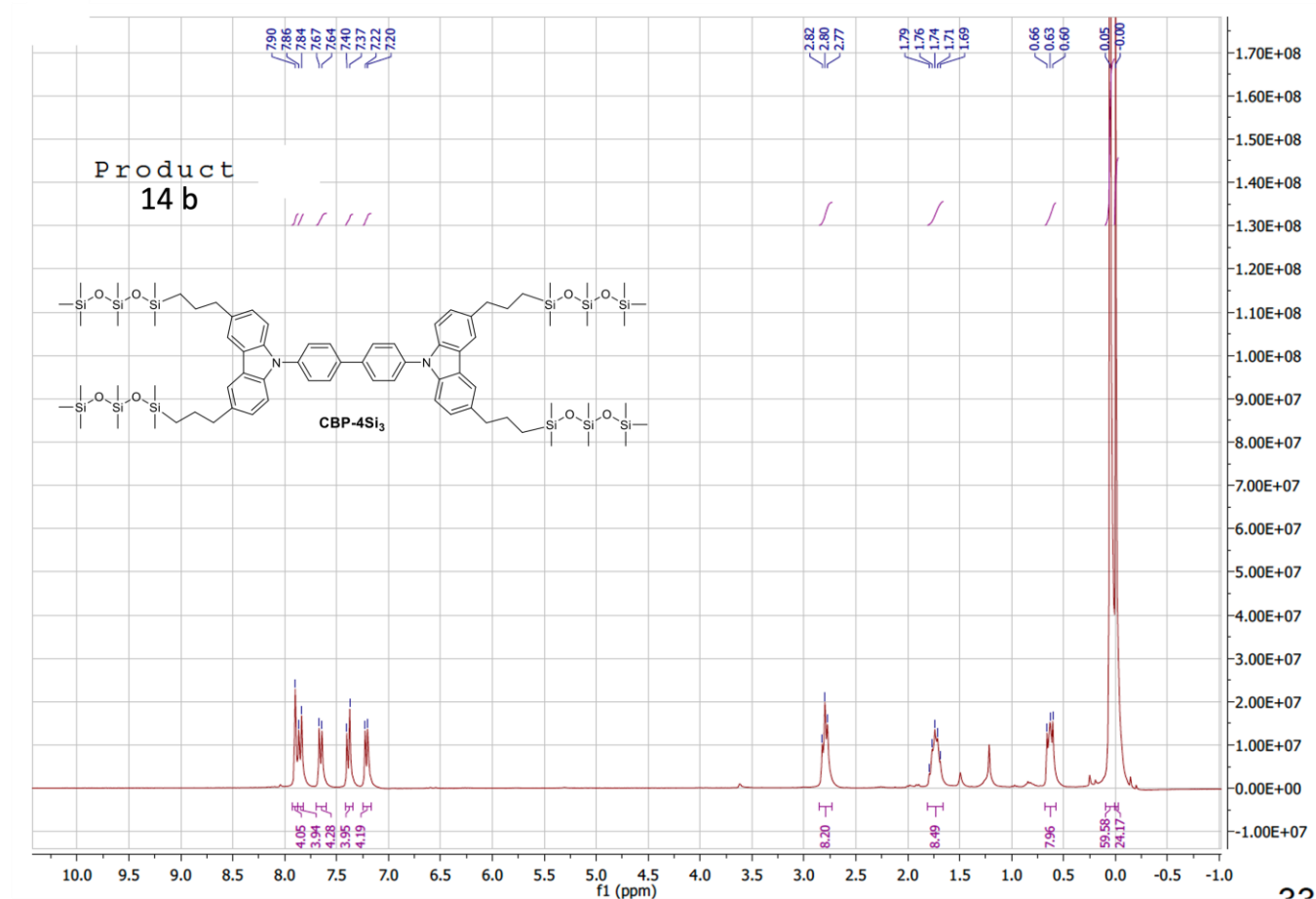


MALDI of (14a)

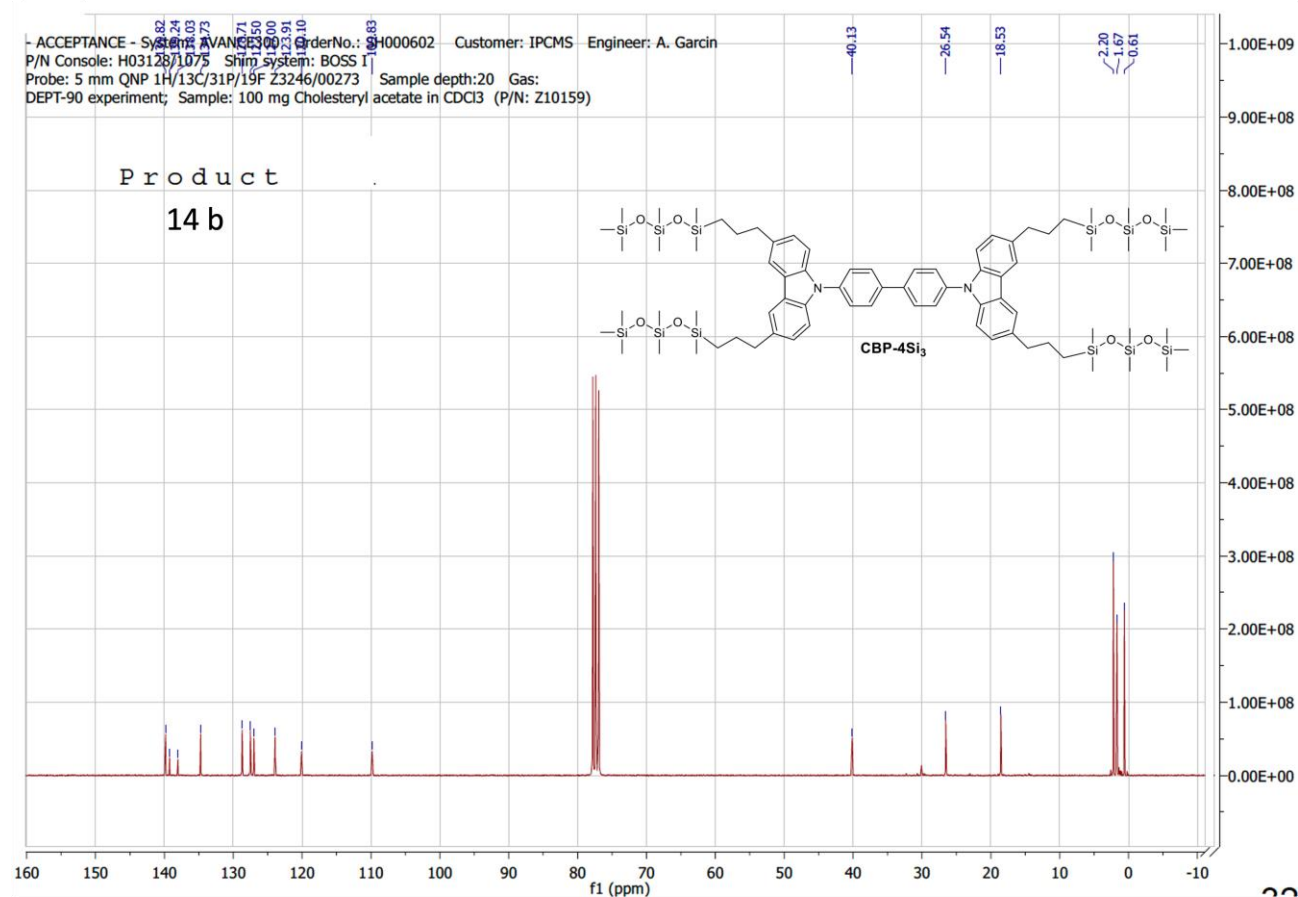
Product 14a



¹H NMR of (14b)



¹³C NMR of (14b)



MALDI of (14b)

