

## SUPPLEMENTARY MATERIAL

### Anticancer Evaluation of Tris(triazolyl)triazine Derivatives Generated via Click Chemistry

Tamer El Malah,<sup>a,b,\*</sup> Hany F. Nour,<sup>b</sup> A. A. Nayl,<sup>a</sup> R. A. Elkhashab,<sup>a</sup> Farouk M. E.  
Abdel-Megeid,<sup>b</sup> Mamdouh M. Ali<sup>c</sup>

<sup>a</sup> Chemistry Department, College of Science, Aljouf University, Skaka, Saudi Arabia.

<sup>b</sup> Photochemistry Department, National Research Centre, 33 El Buhouth Street, P.O. 12622, Dokki, Cairo, Egypt.

<sup>c</sup> Biochemistry Department, Division of Genetic Engineering and Biotechnology, 33 El Buhouth Street, P.O. 12622, Dokki, Giza, Egypt.

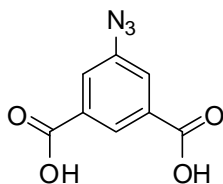
\*E-mail of corresponding author: [tmara\\_nrc3000@yahoo.com](mailto:tmara_nrc3000@yahoo.com)

#### Table of Contents

1. Synthesis	S2
2. Copies of Spectral Data ( <sup>1</sup> H-NMR, <sup>13</sup> C-NMR)	S3

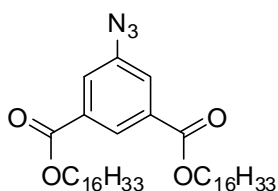
## 2. Synthesis

### 5-Azidoisophthalic acid.



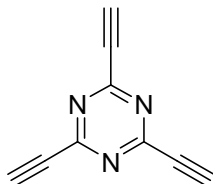
Compound **1** was prepared as described by *Yielding*.<sup>[1]</sup>

### Bis(n-hexadecyl) 5-azidoisophthalate.



Compound **2** was prepared as described by *Hecht*.<sup>[2]</sup>

### 2,4,6-Triethynyl-[1,3,5]triazine (2).



Compound **3** was prepared as described by *Tsujib*.<sup>[3]</sup>

---

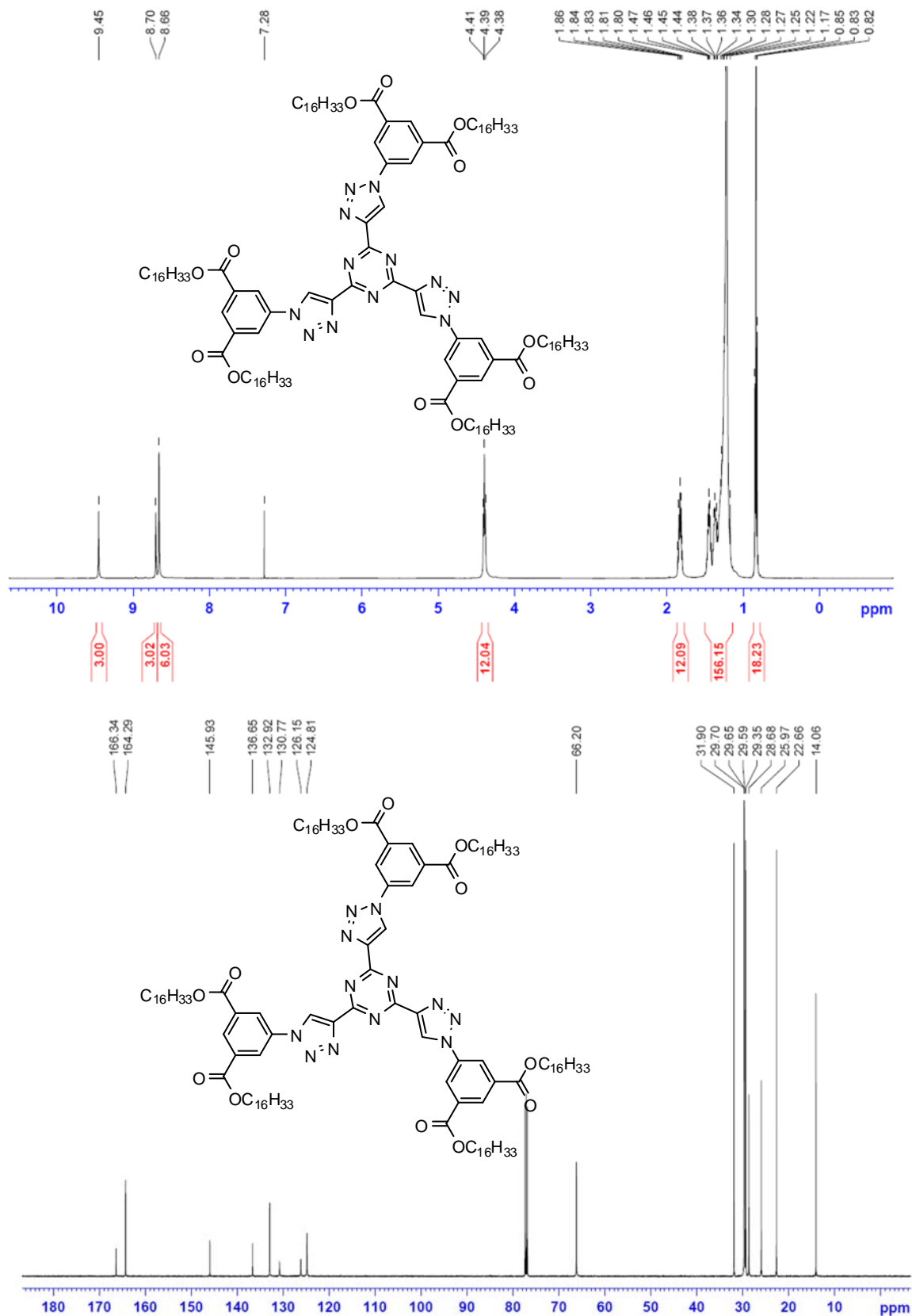
[1] W. E. White, Jr., K. L. Yielding, *Biochem. Biophys. Res. Comm.* **1973**, 52, 1129.

[2] A. Cadeddu, A. Ciesielski, T. El Malah, S. Hecht, P. Samoria. *Chem. Commun.*, **2011**, 47 (38), 10578 - 10580.

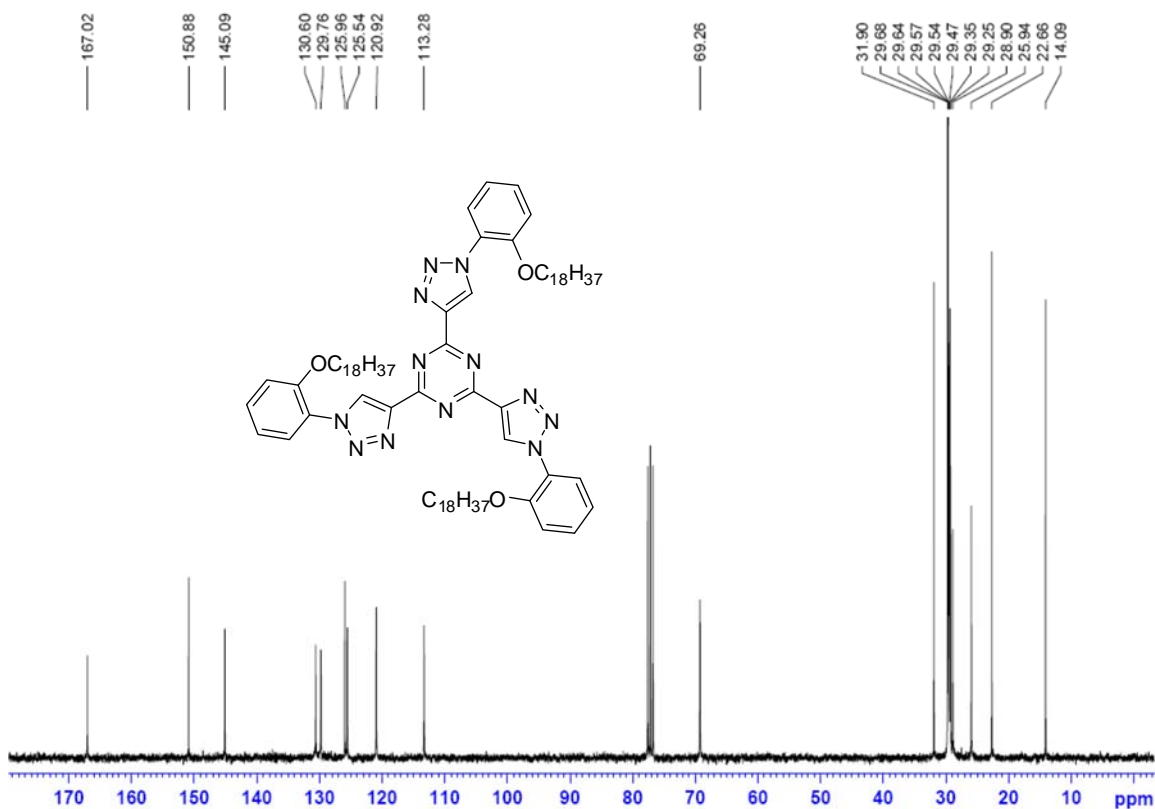
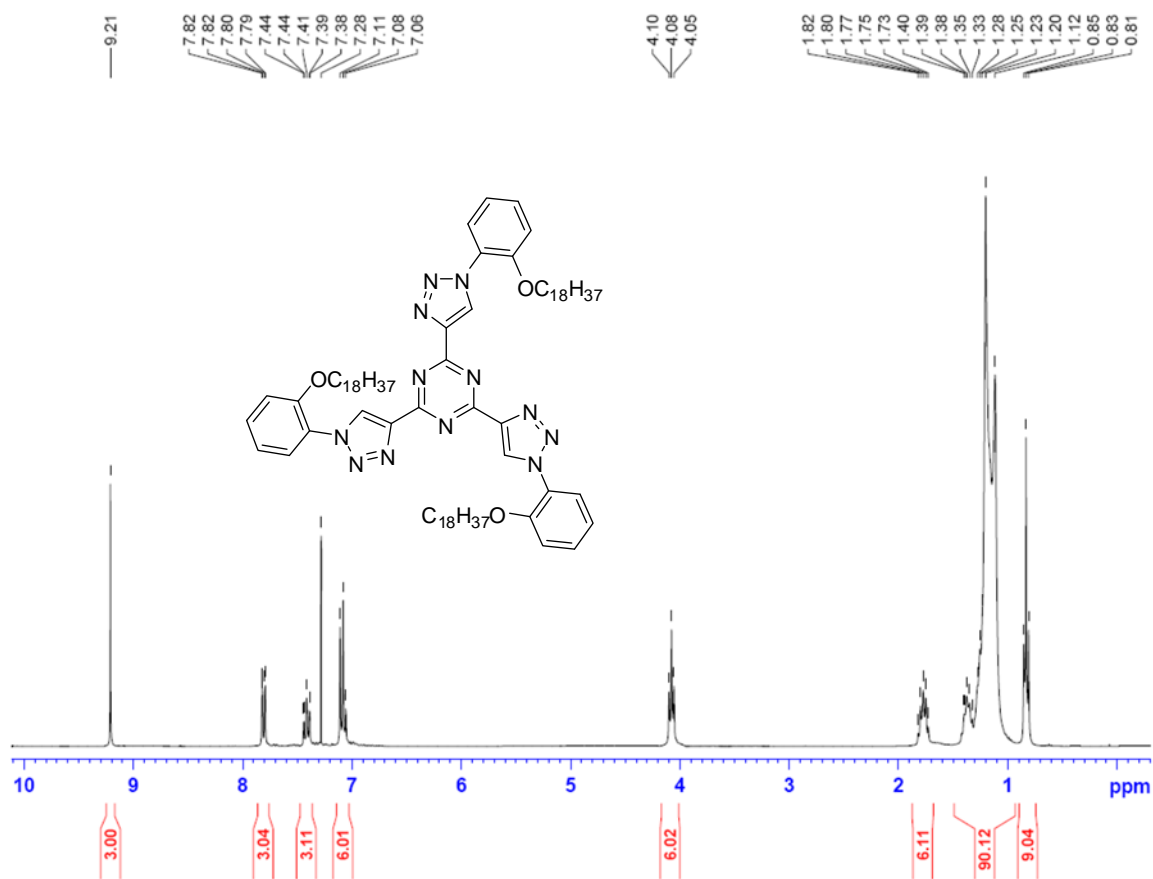
[3] M. Ohkita, M. Kawano, T. Suzukib, T. Tsujib. *Chem. Commun.*, **2002**, 3054–3055.

# $^1\text{H-NMR}$ , $^{13}\text{C-NMR}$ spectrum of Dendrimers

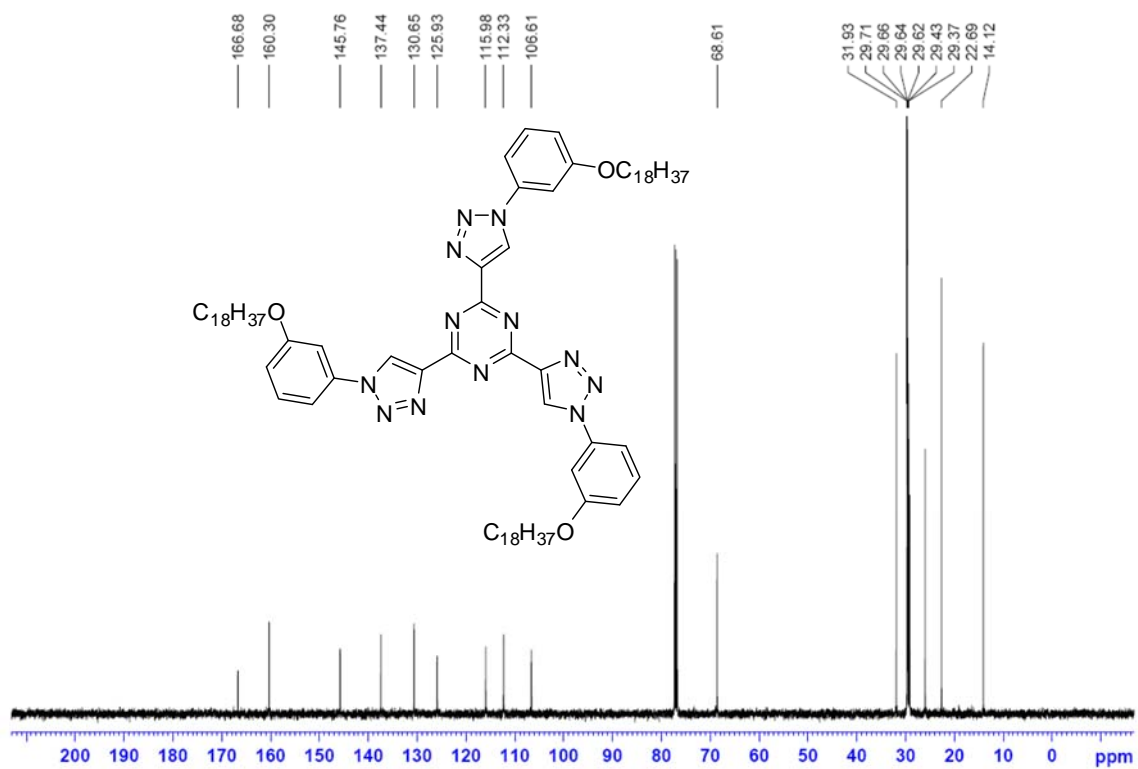
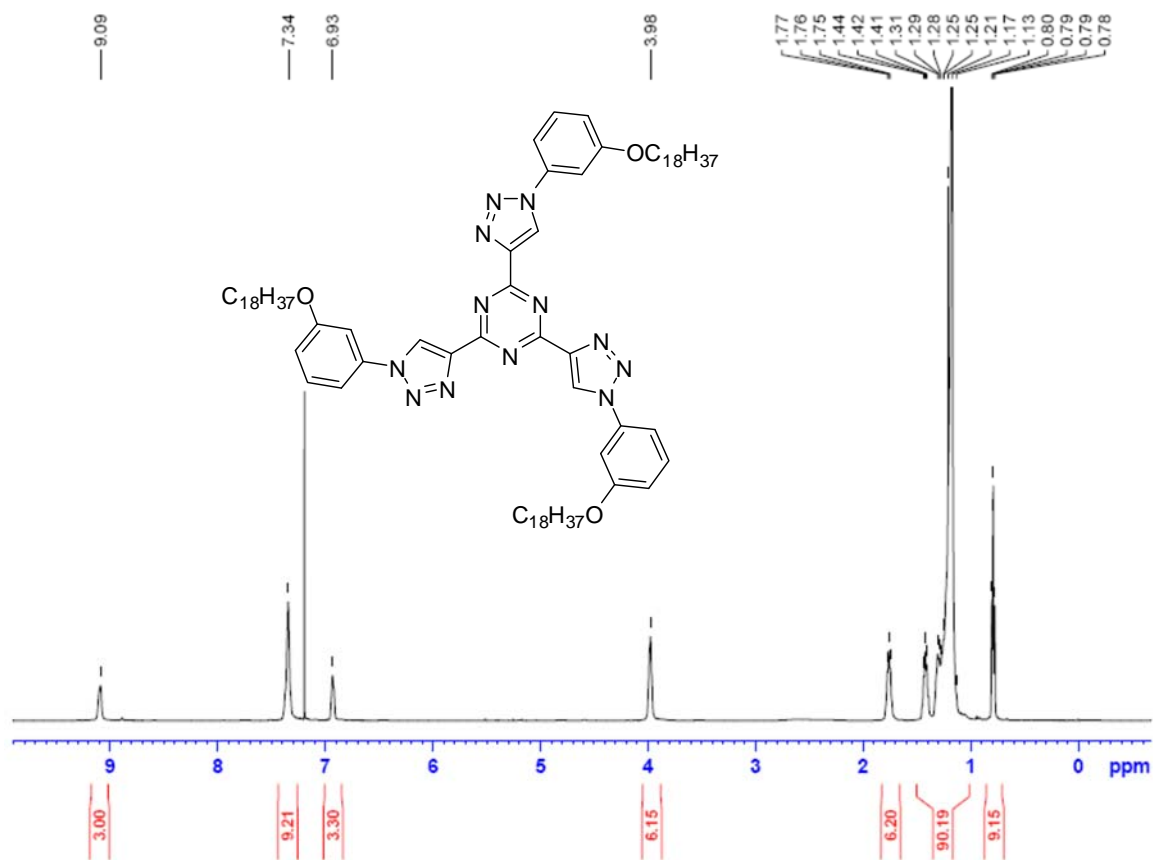
## Compound G1a dendrimer



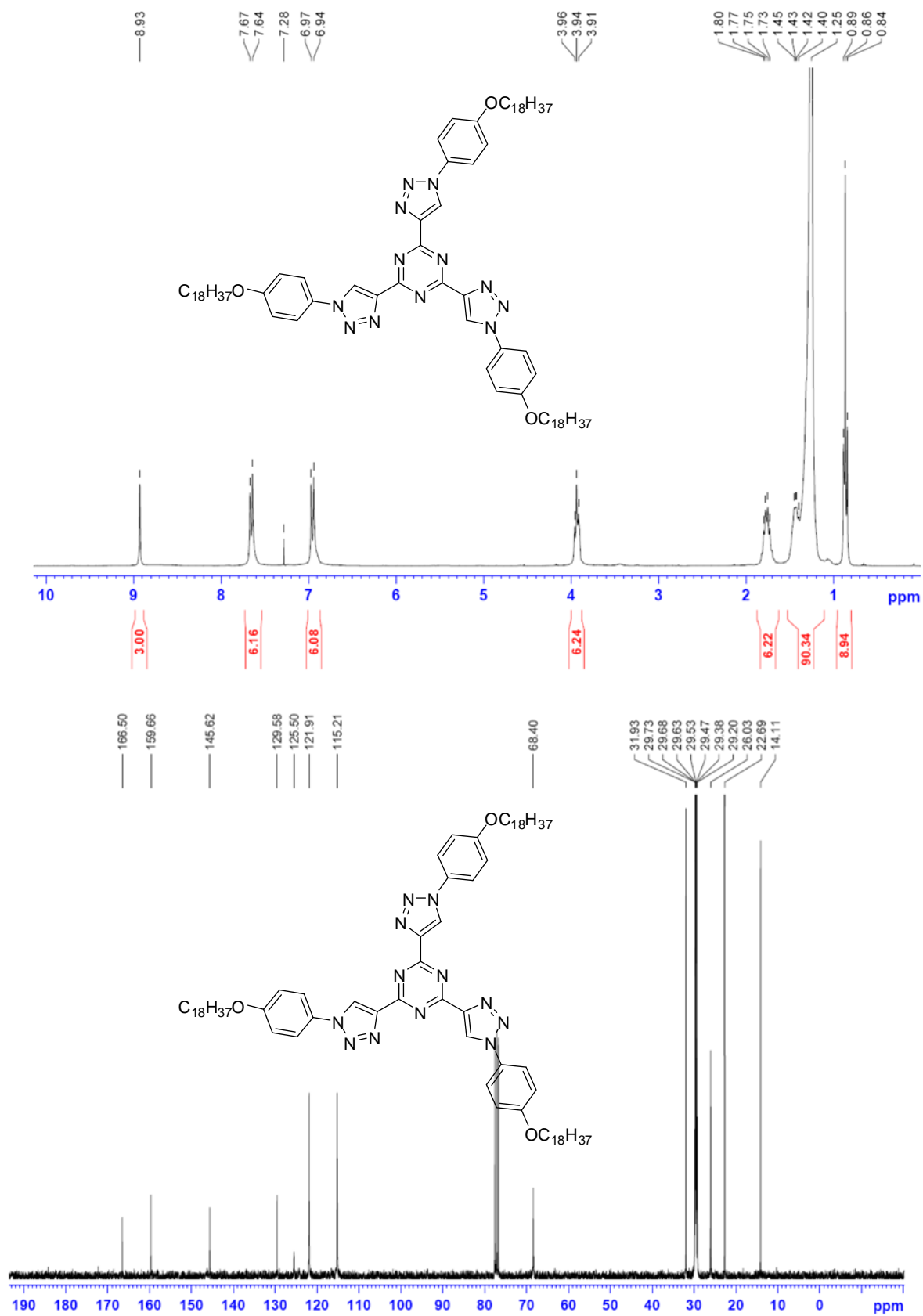
# Compound G1b dendrimer



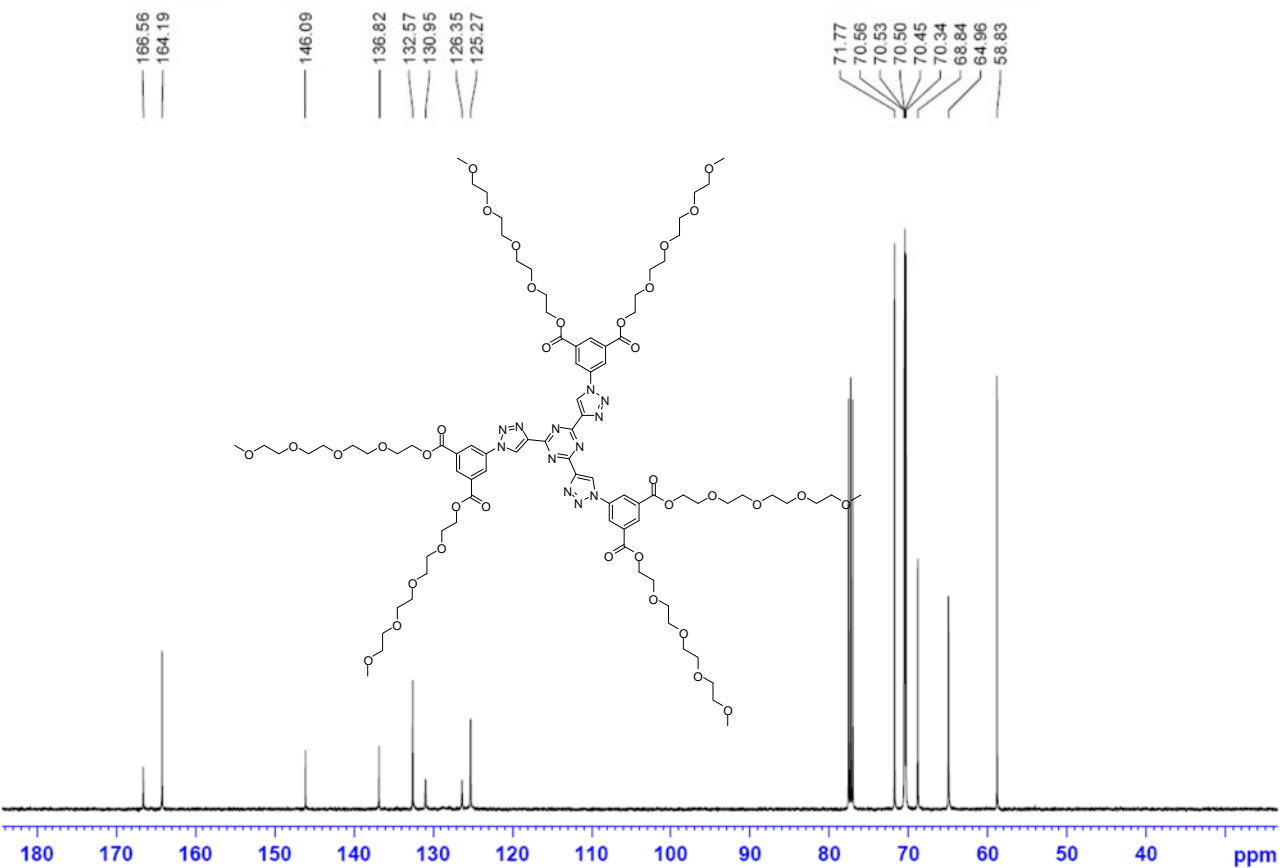
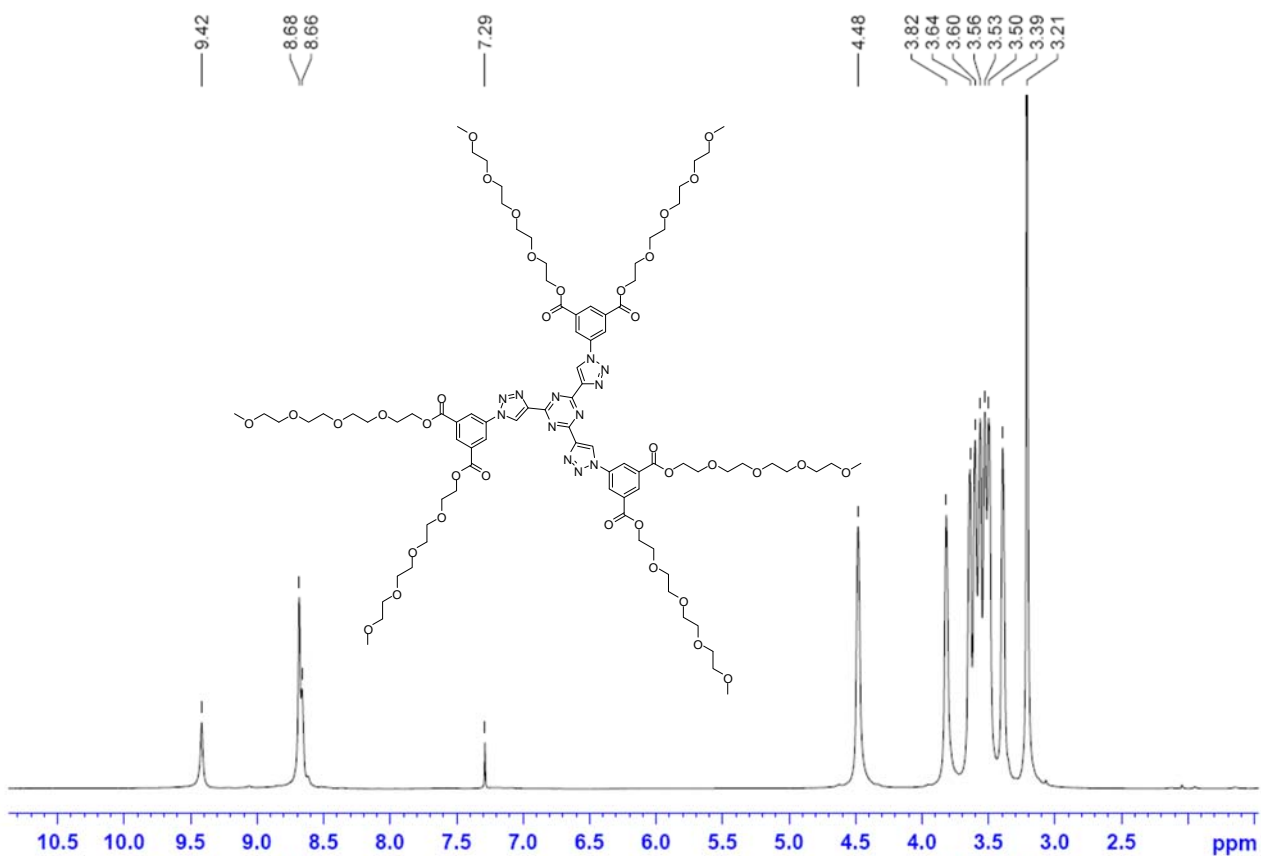
# Compound G1c dendrimer



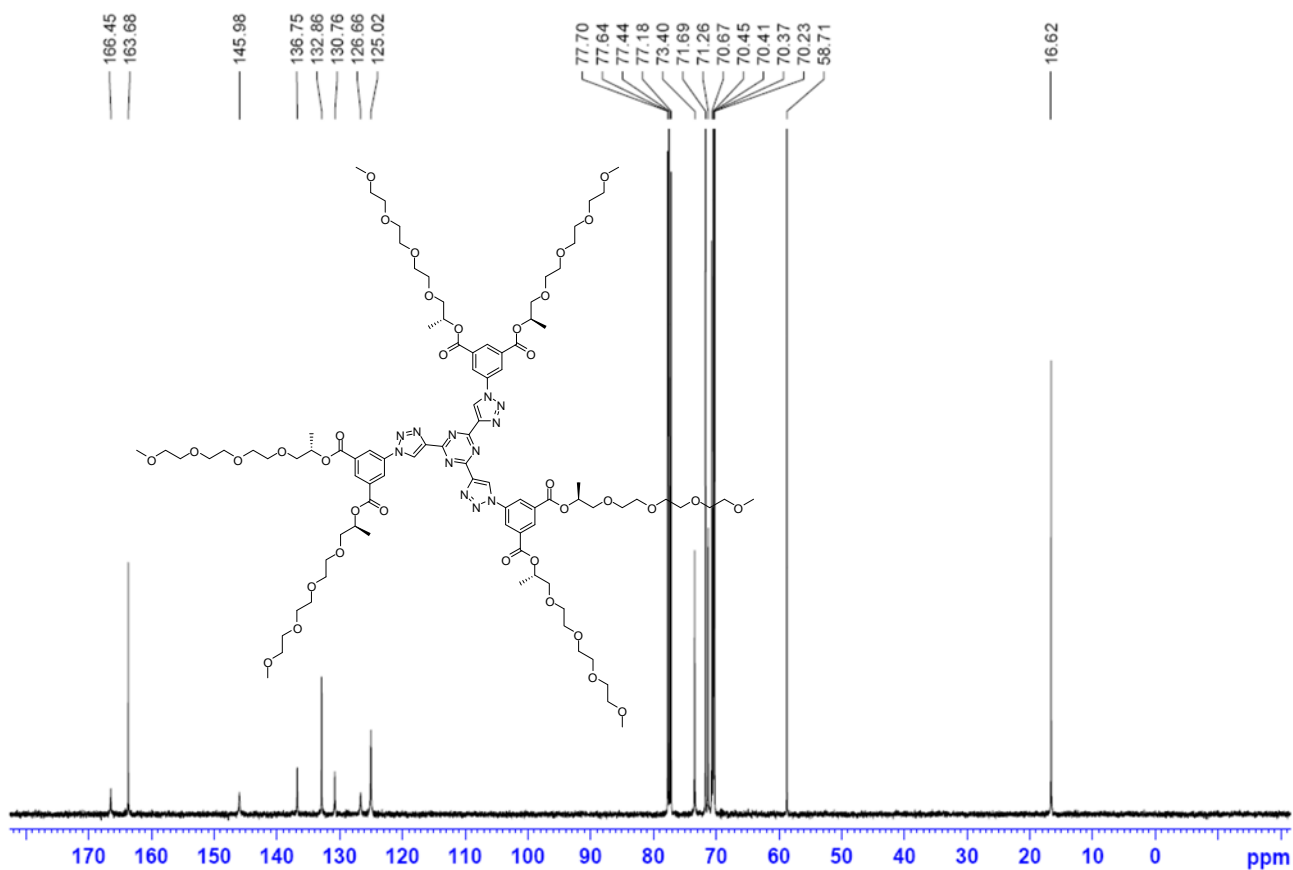
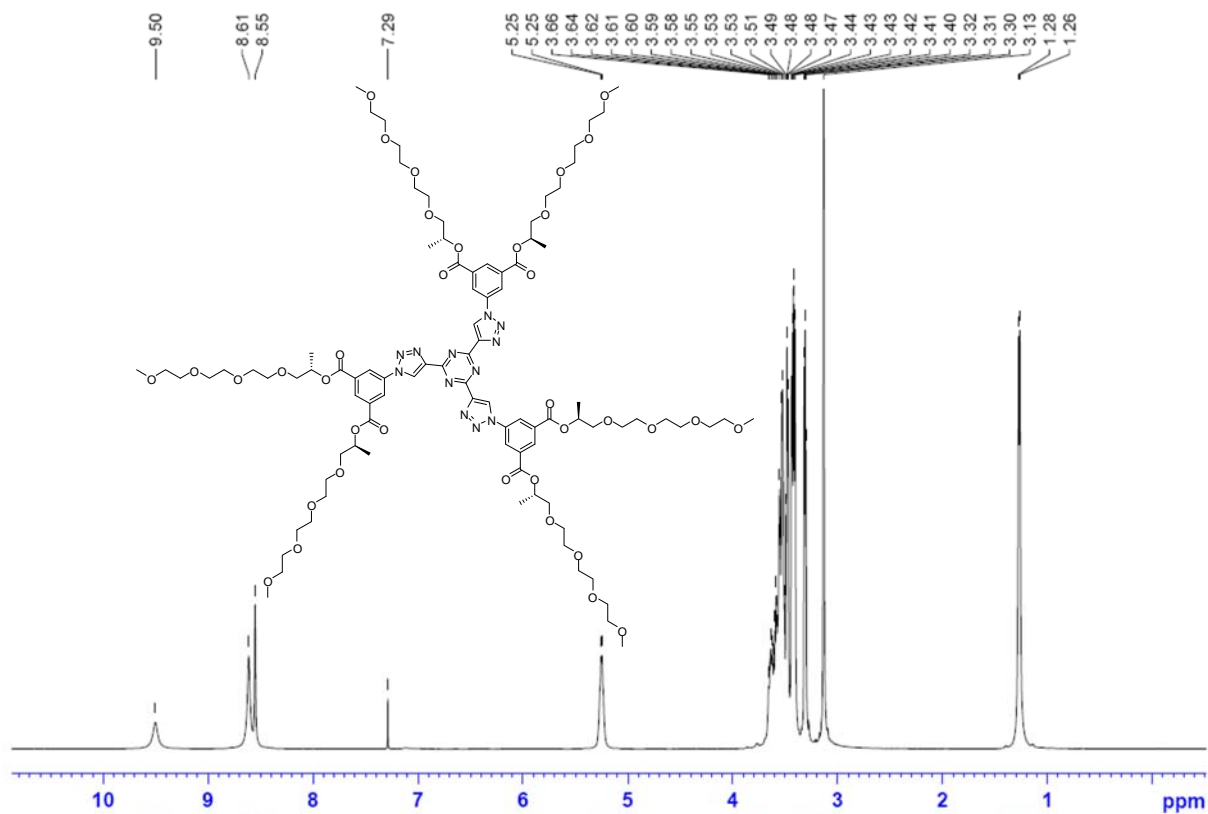
# Compound G1d dendrimer



# Compound G1e dendrimer

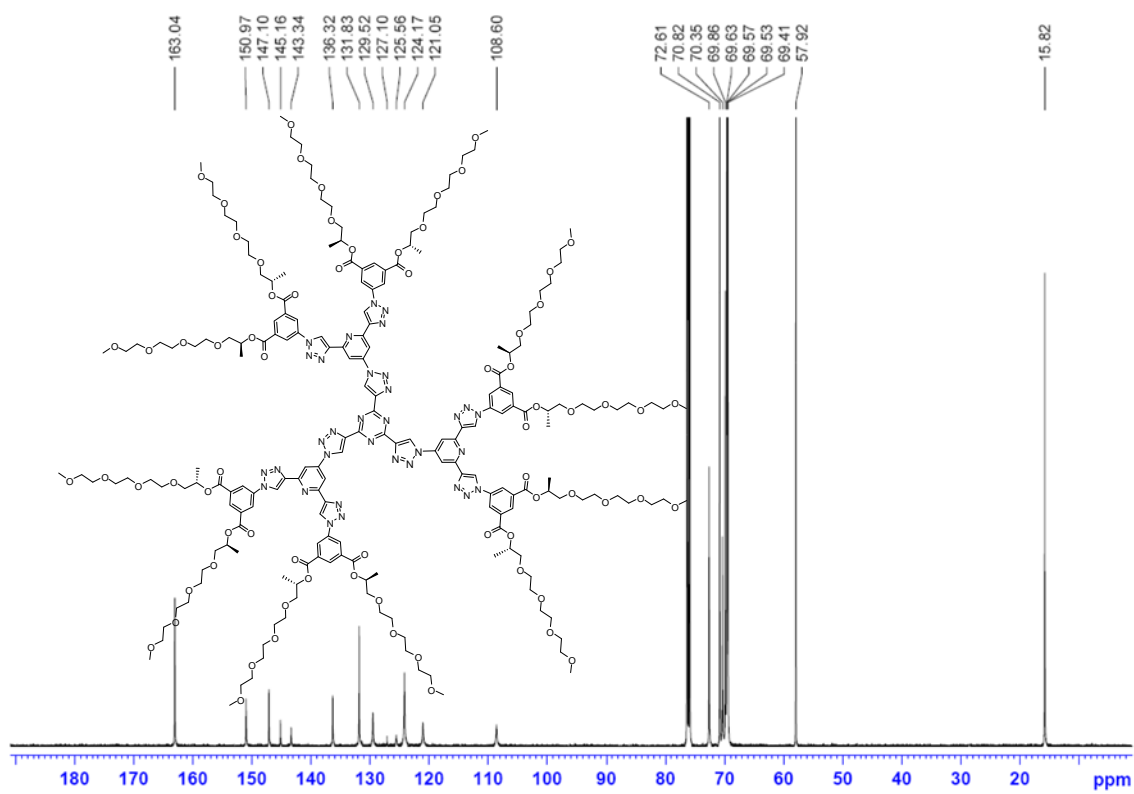
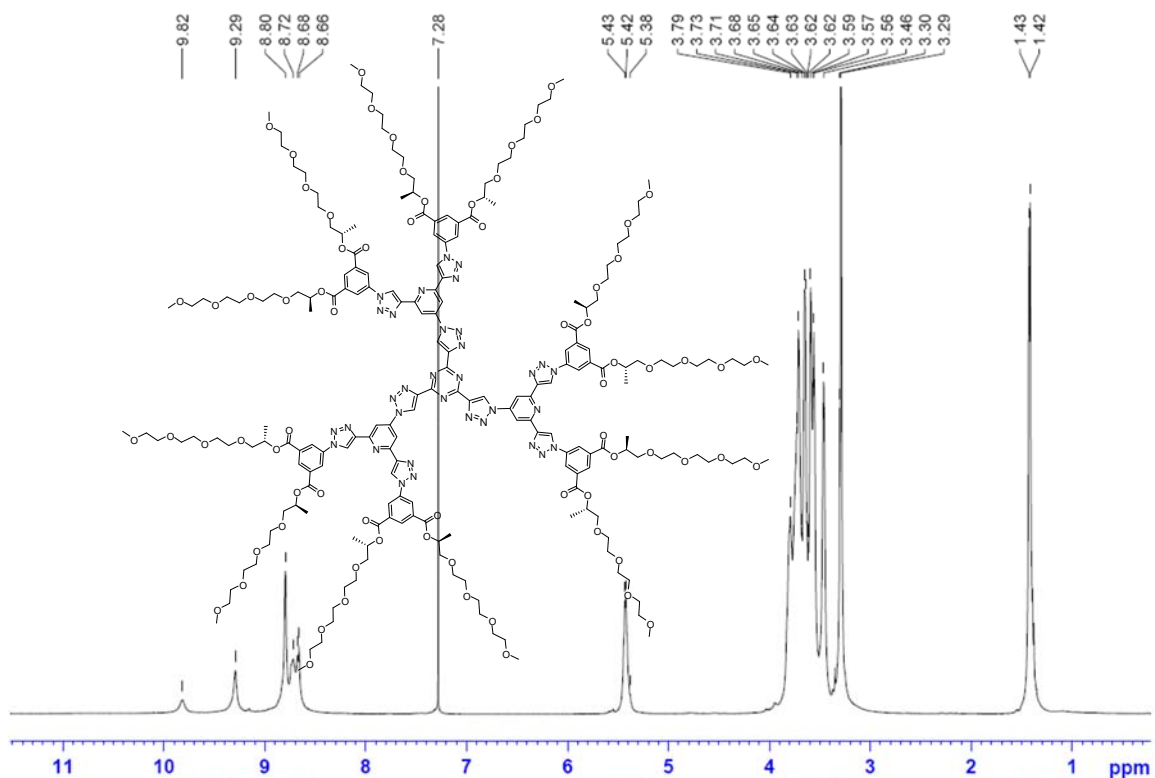


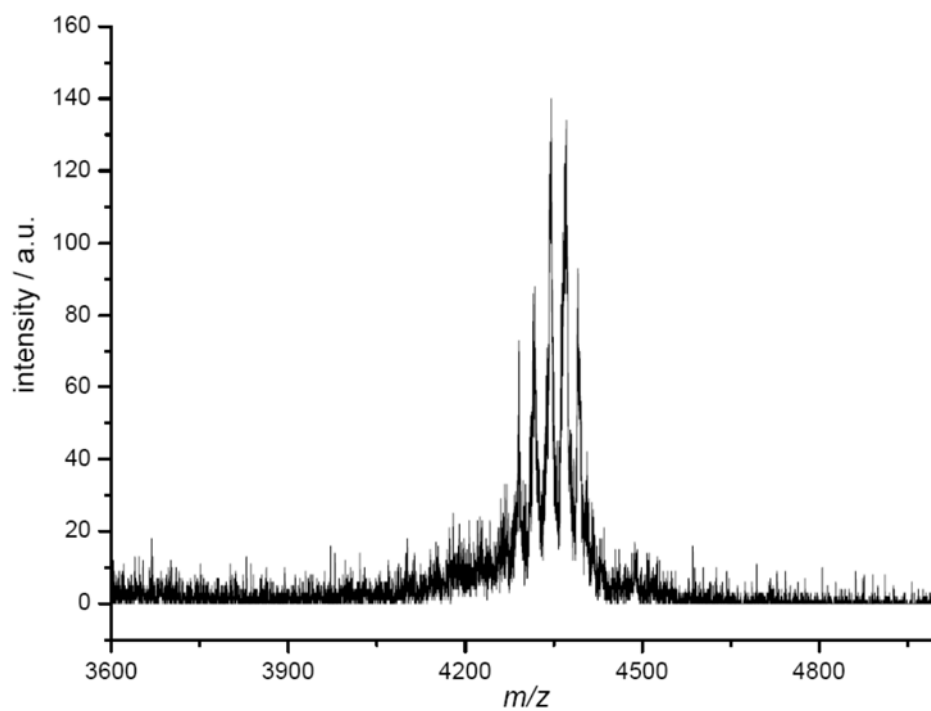
# Compound G1f dendrimer





# Compound G2 dendrimer





**Figure S3.** MS (MALDI-TOF, calibration matrix DCTB : trans-2-[3-(4-tert-Butylphenyl)-2-methyl-2-propenylidene]malononitrile):  $m/z = 4390.612$  (calcd. 4390.722 for  $[M + K^+]$ ).