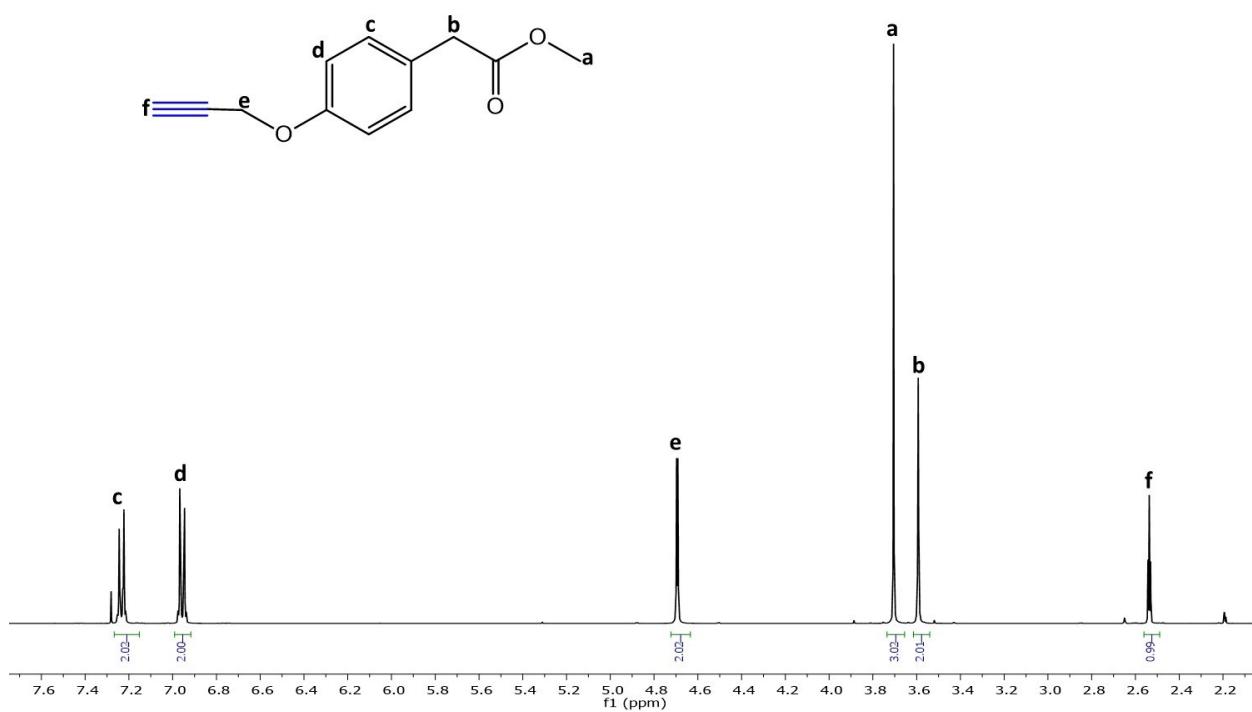


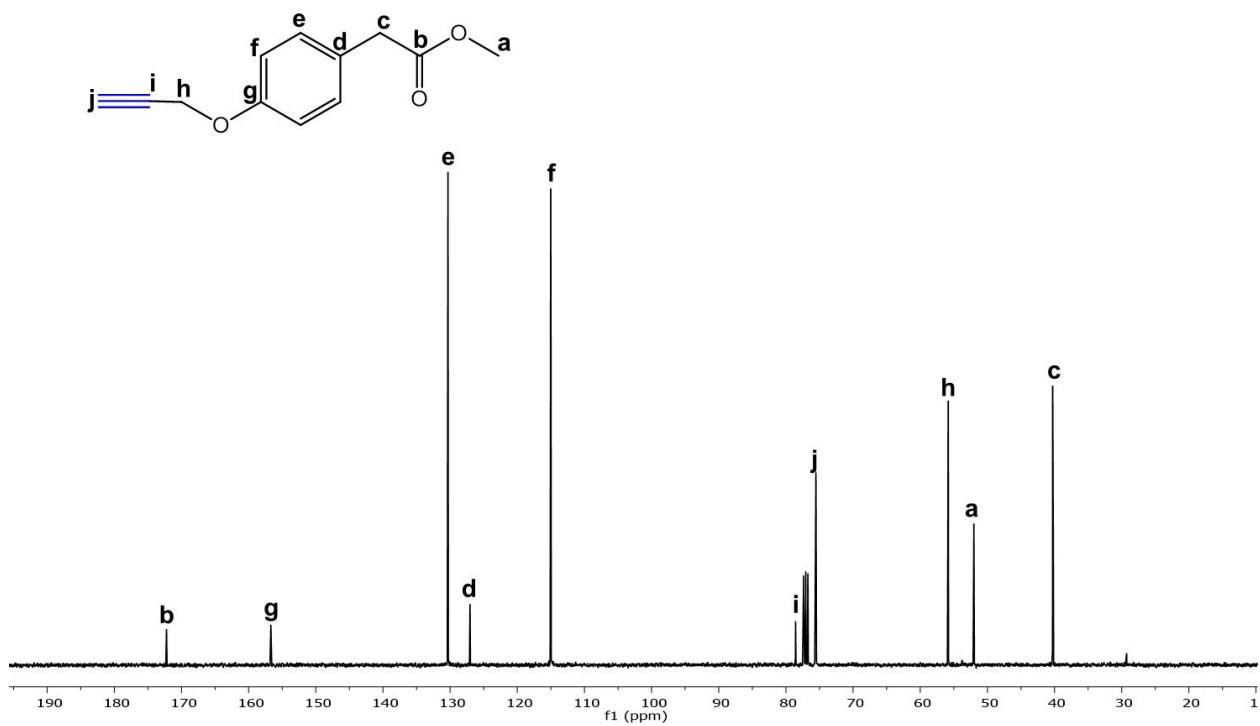
# ***Supplementary Information***

## **Analysis data of**

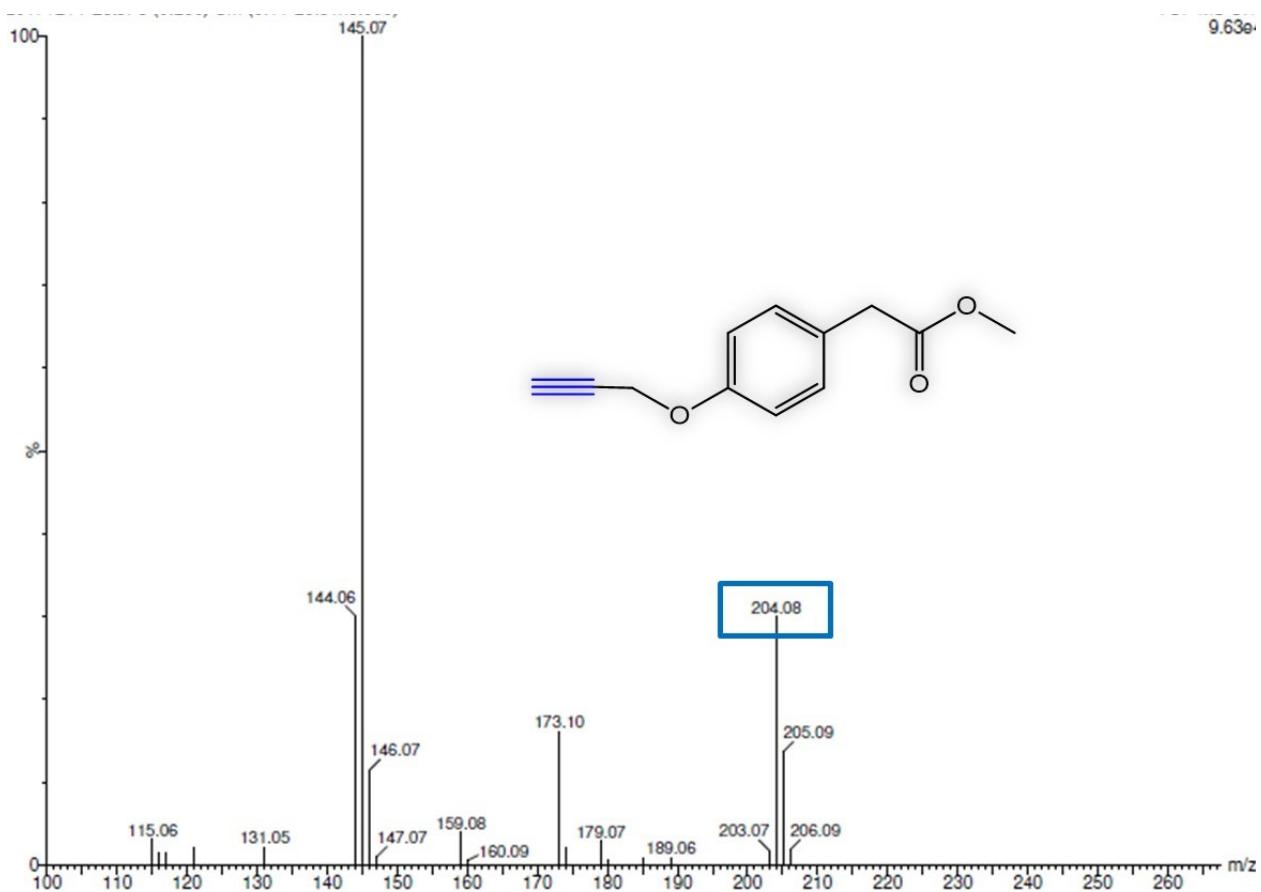
<b>Figure S 1.</b> $^1\text{H}$ -NMR spectrum of intermediate I.	p2
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<b>Figure S 17.</b> Elemental analysis by X-ray fluorescence of PAMAM G1- $\beta$ -CD dendrimer.	p10
<b>Figure S 18.</b> Cell viability in different cell lines of PAMAM G1 dendrimer (mean $\pm$ S.D., n=15).	P11



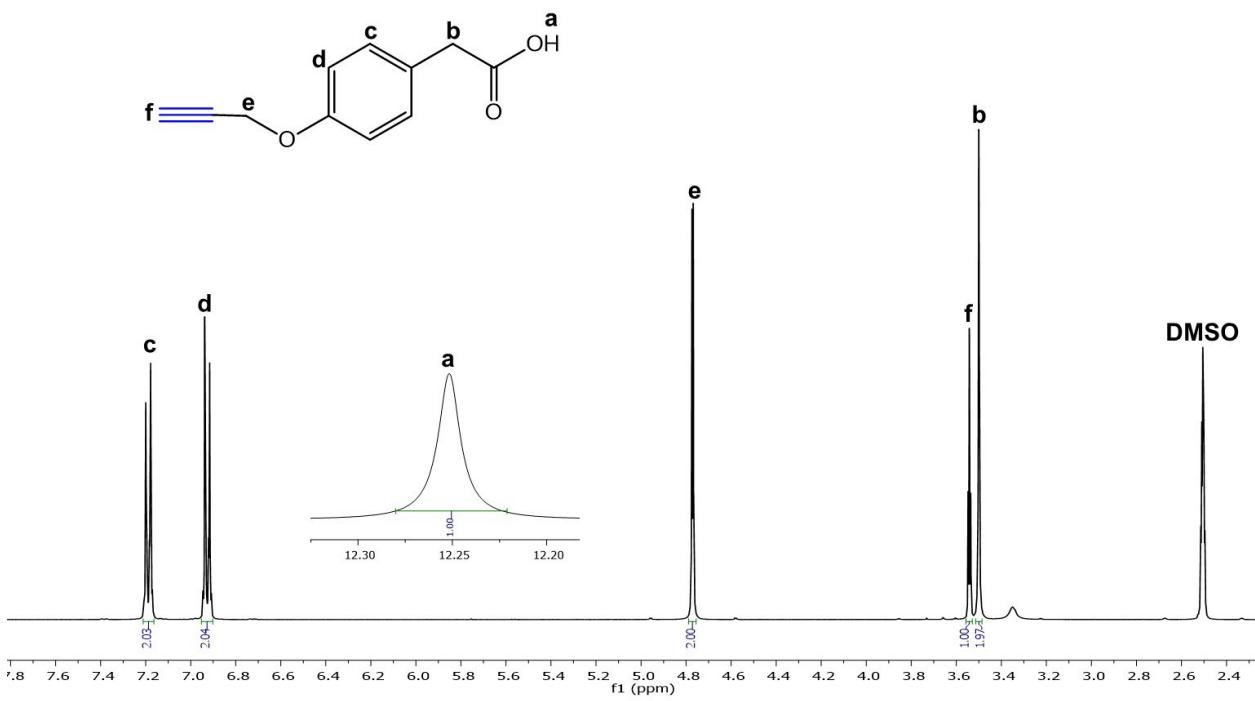
**Figure S 1.** <sup>1</sup>H-NMR spectrum of intermediate I.



**Figure S 2.** <sup>13</sup>C-NMR spectrum of intermediate I.



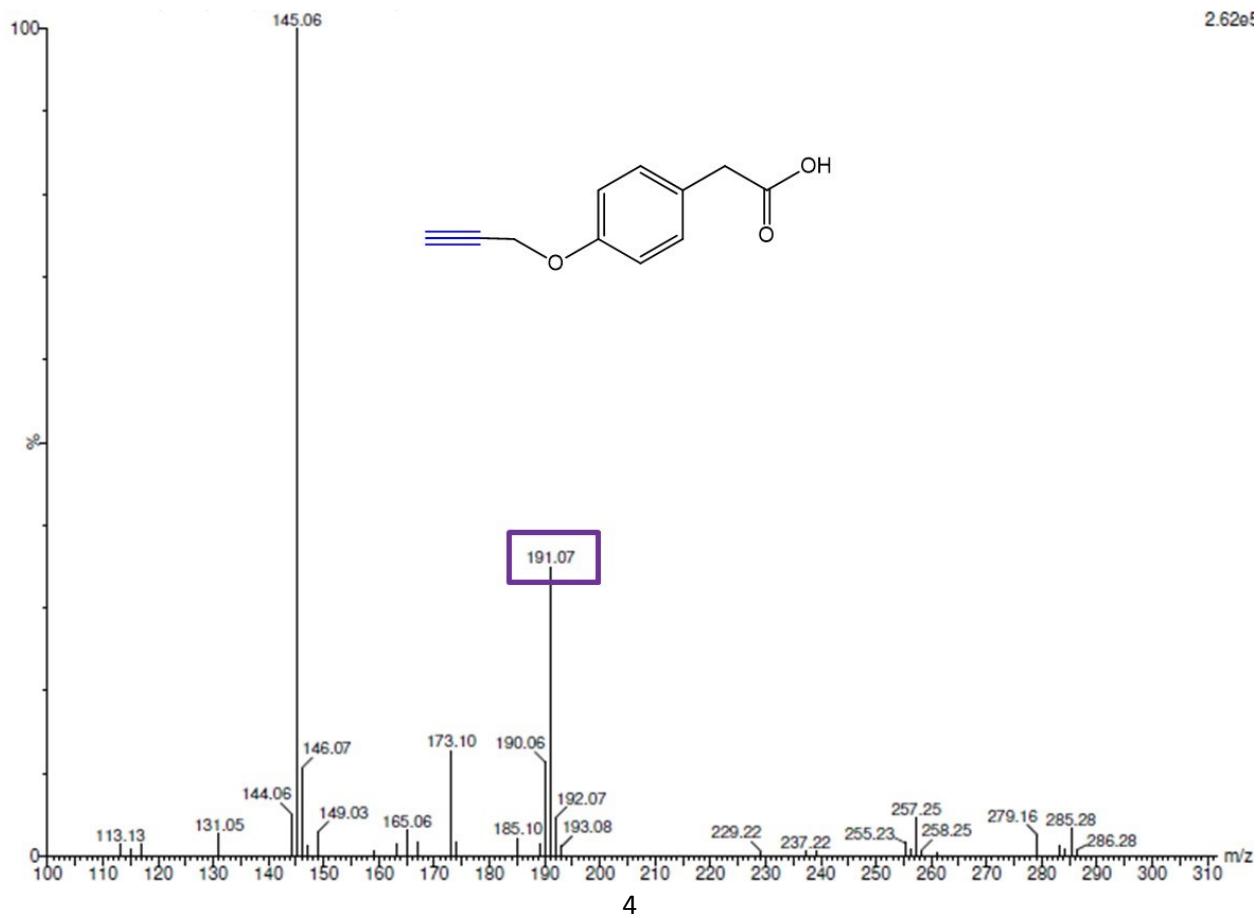
**Figure S 3.** ESI spectrum of intermediate I.



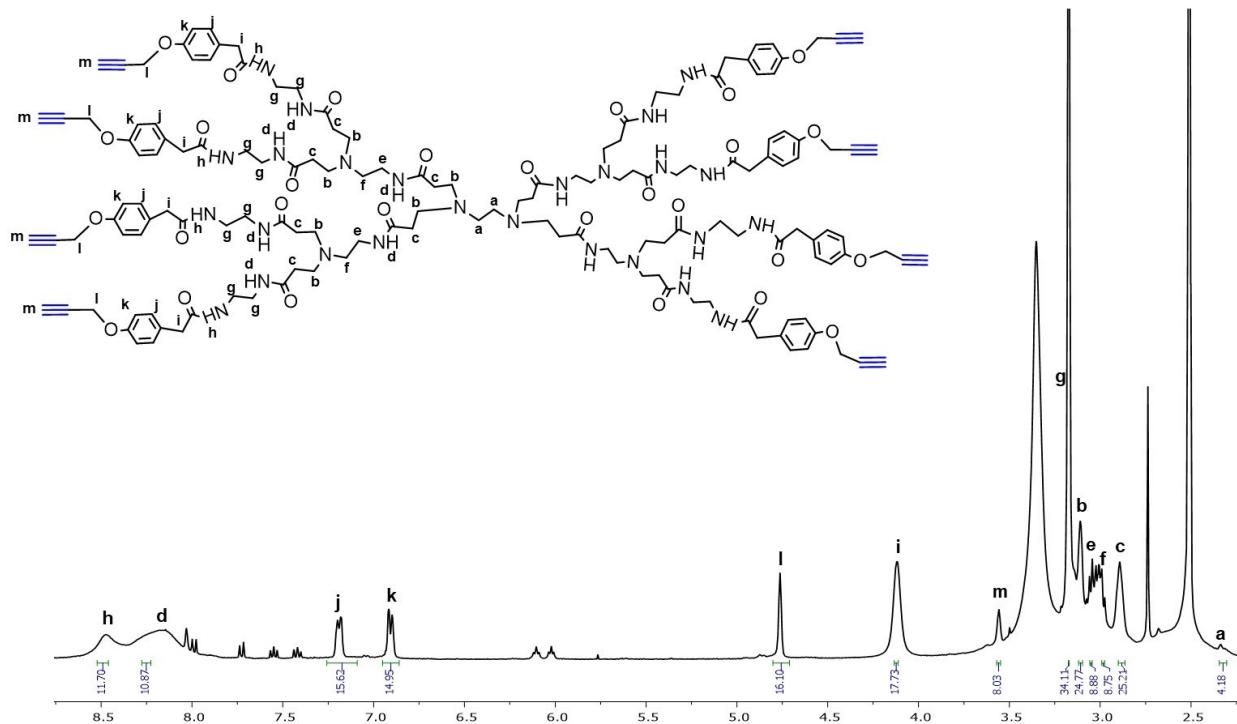
**Figure S 4.**  $^1\text{H}$ -NMR spectrum of intermediate II.



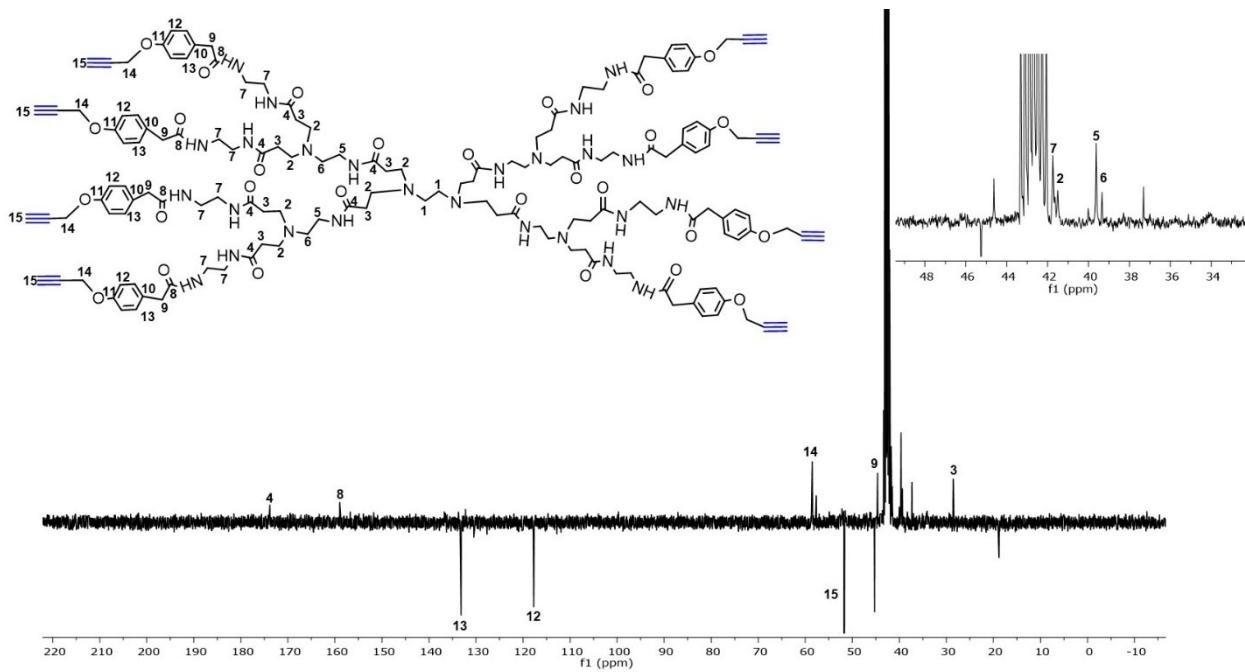
**Figure S 5.**  $^{13}\text{C}$ -NMR spectrum of intermediate II.



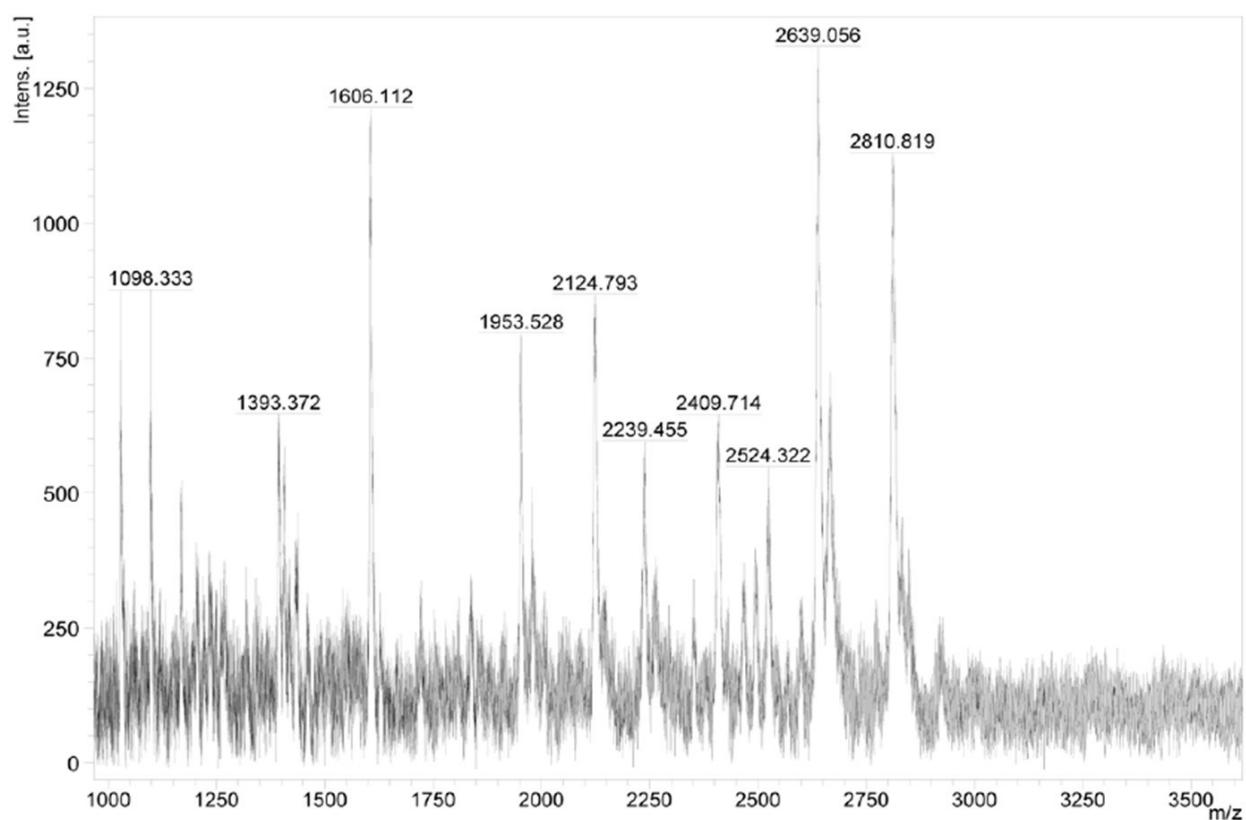
**Figure S 6.** ESI spectrum of intermediate II.



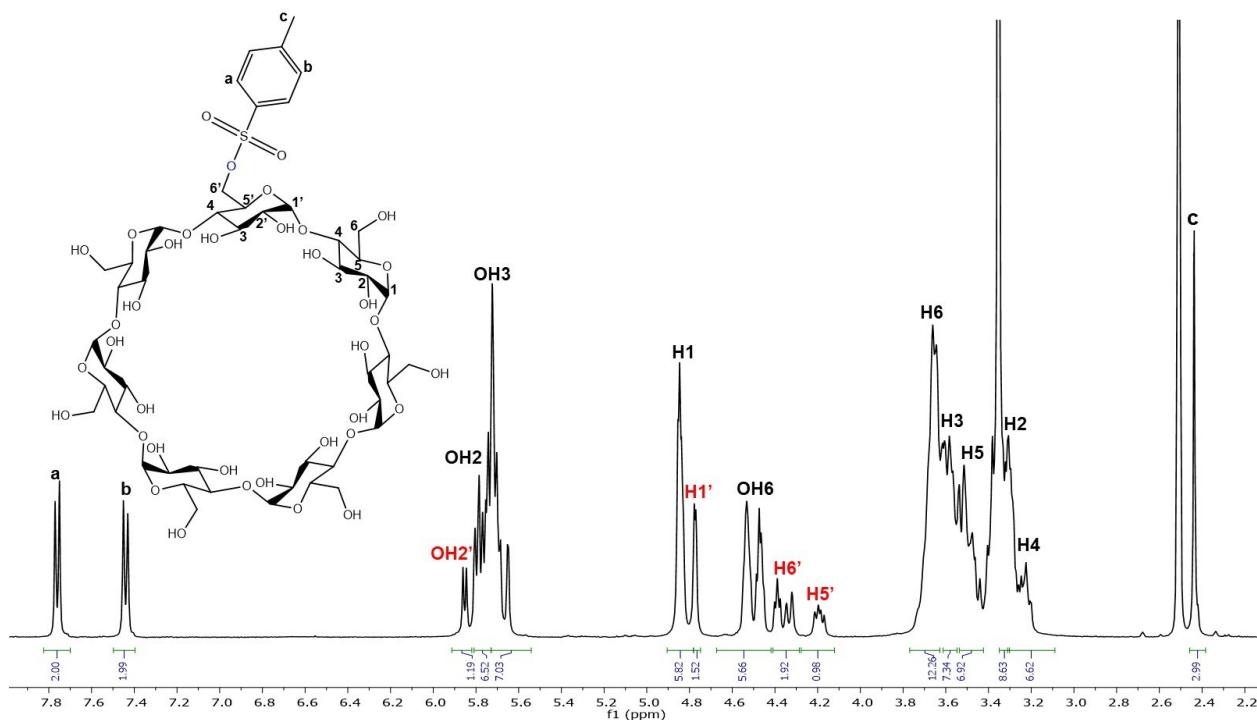
**Figure S 7.**  $^1\text{H}$ -NMR spectrum of Alkynyl-PAMAM G1.



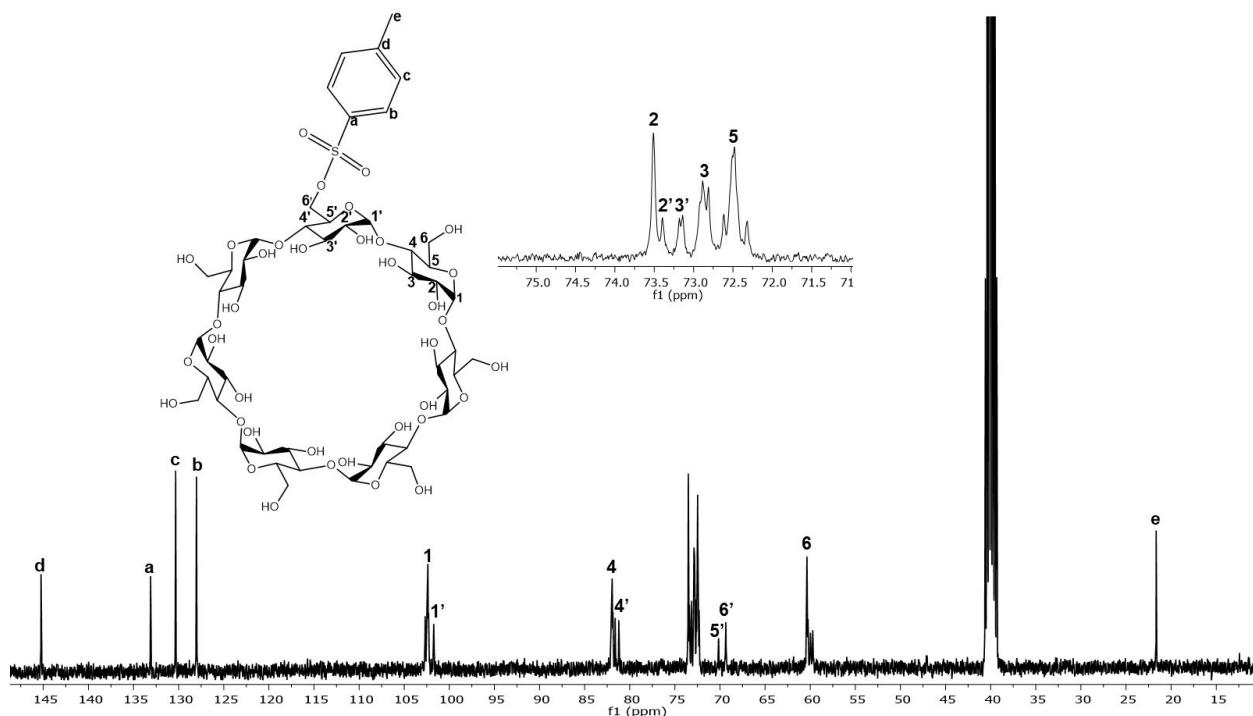
**Figure S 8.**  $^{13}\text{C}$ -NMR spectrum of Alkynyl-PAMAM G1.



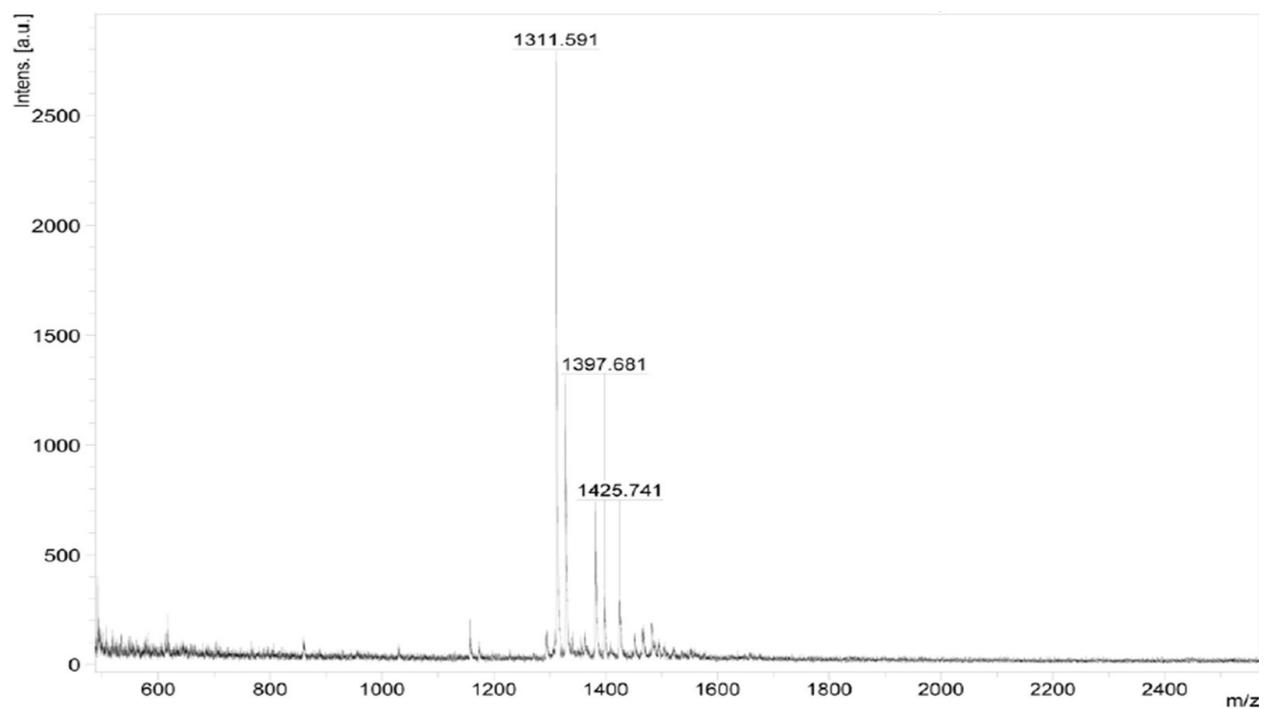
**Figure S 9.** MALDI spectrum of Alkynyl-PAMAM G1.



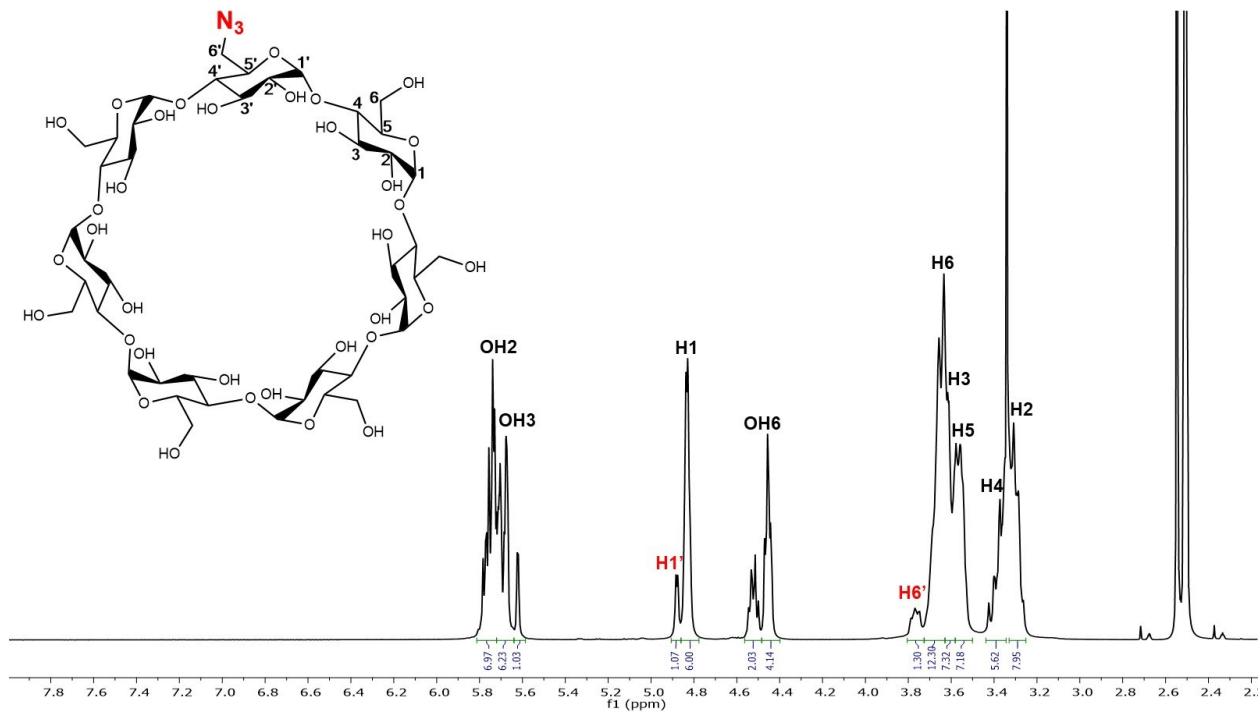
**Figure S 10.**  $^1\text{H}$ -NMR spectrum of m-Ts- $\beta$ -CD.



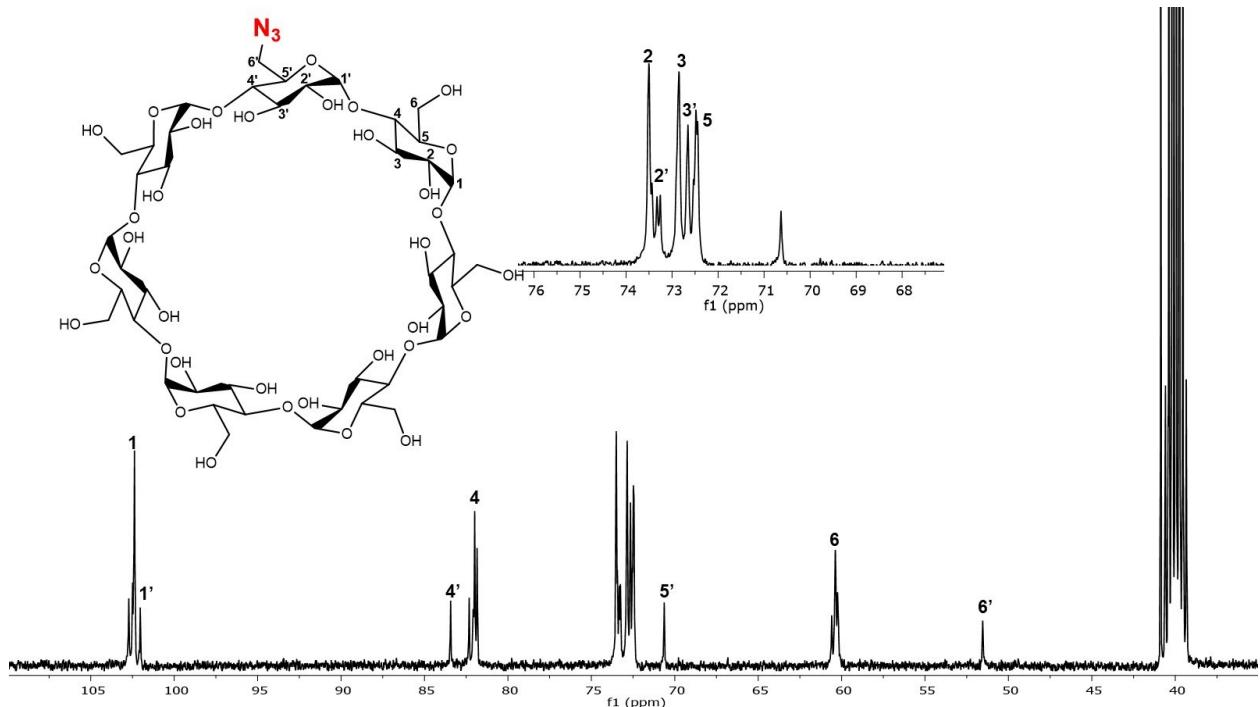
**Figure S 11.**  $^{13}\text{C}$ -NMR spectrum of m-Ts- $\beta$ -CD.



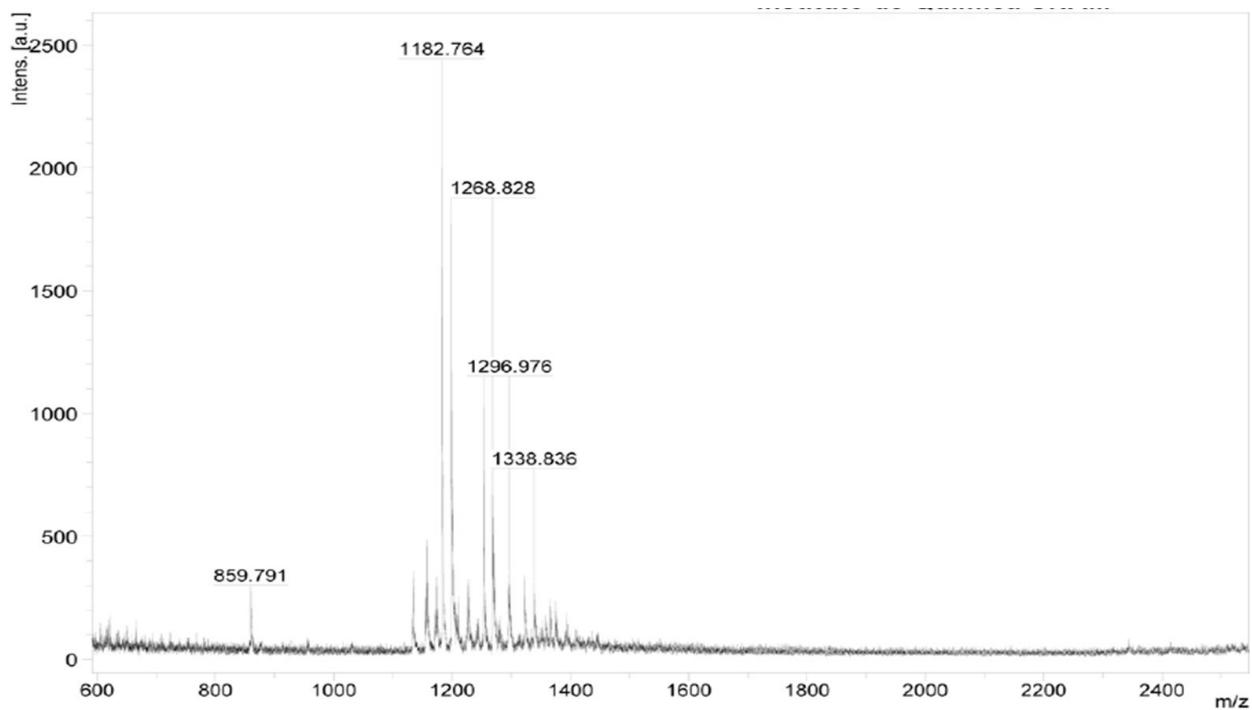
**Figure S 12.** MALDI spectrum of m-Ts- $\beta$ -CD.



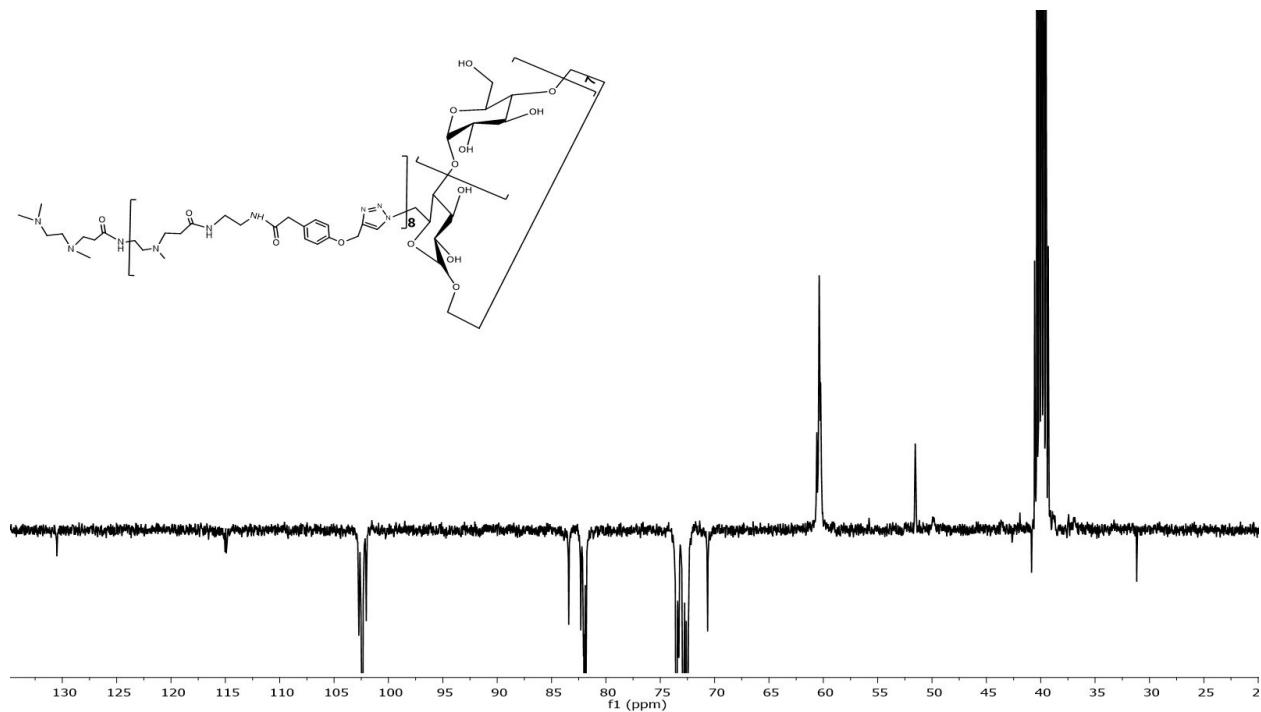
**Figure S 13.** <sup>1</sup>H-NMR spectrum of m-N<sub>3</sub>-β-CD.



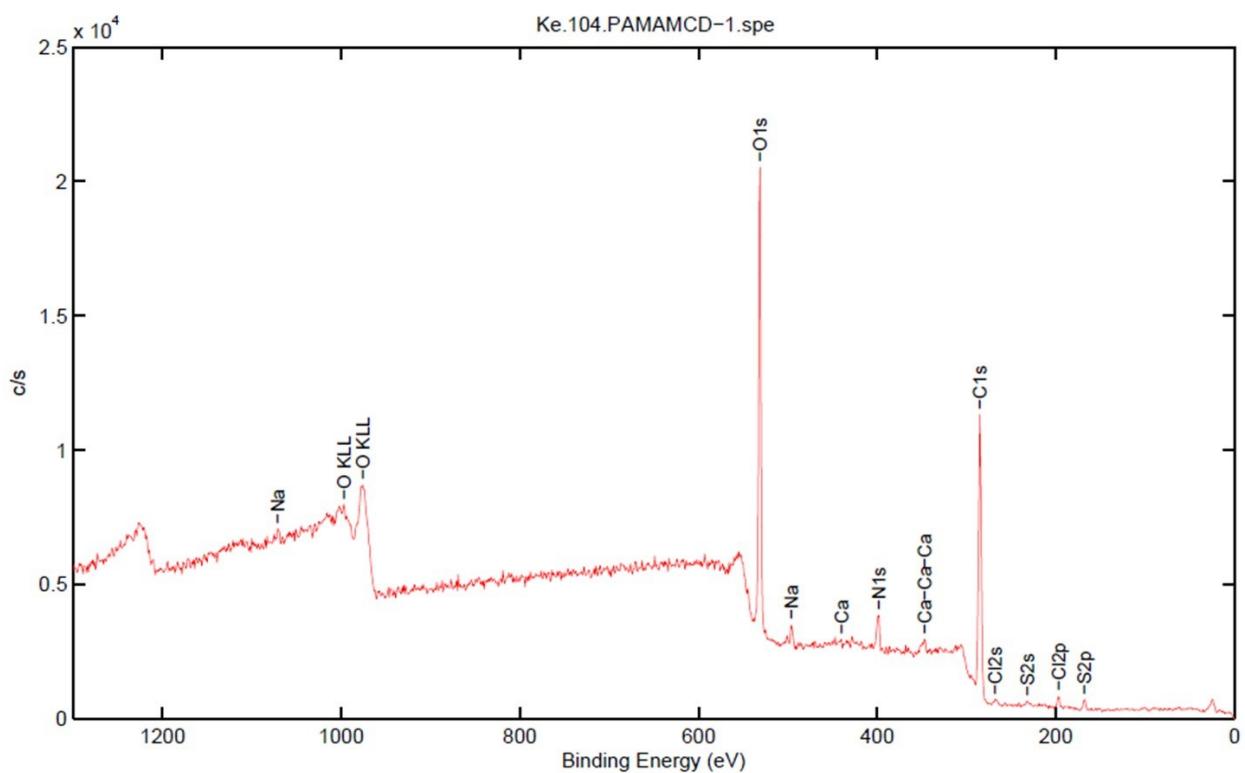
**Figure S 14.** <sup>13</sup>C-NMR spectrum of m-N<sub>3</sub>-β-CD.



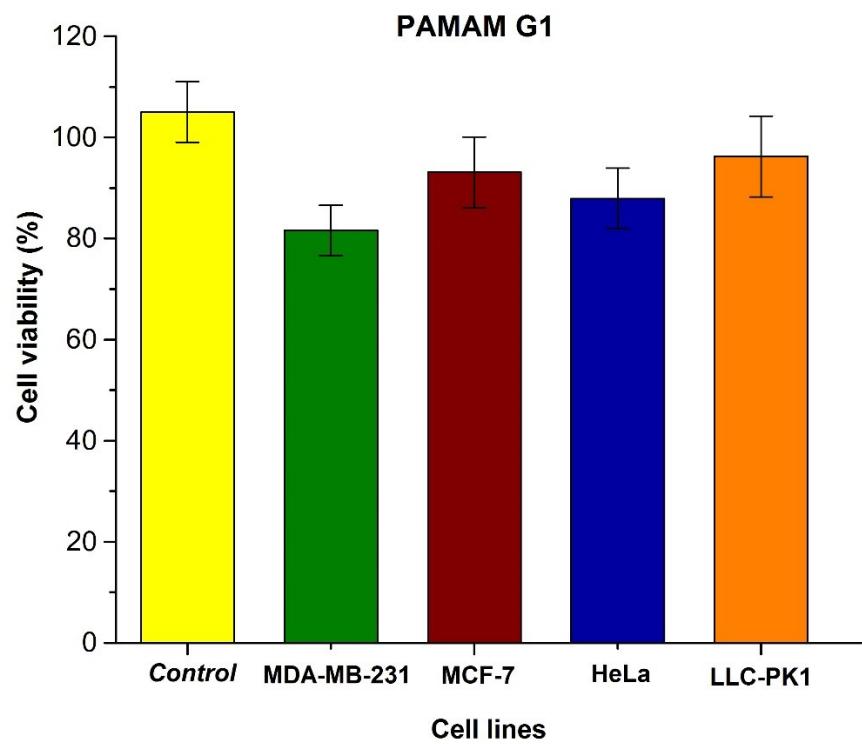
**Figure S 15.** MALDI spectrum of m-N<sub>3</sub>- $\beta$ -CD.



**Figure S 16.** <sup>13</sup>C-NMR spectrum of PAMAM G1- $\beta$ -CD dendrimer.



**Figure S 17.** Elemental analysis by X-ray fluorescence of PAMAM G1- $\beta$ -CD dendrimer.



**Figure S 18.** Cell viability in different cell lines of PAMAM G1 dendrimer. Data are means  $\pm$  S.D,  
n=3.