

**Synthesis, characterization, optical and electrochemical properties and
antibacterial activity of novel BODIPY Glyco conjugated dendrimers**

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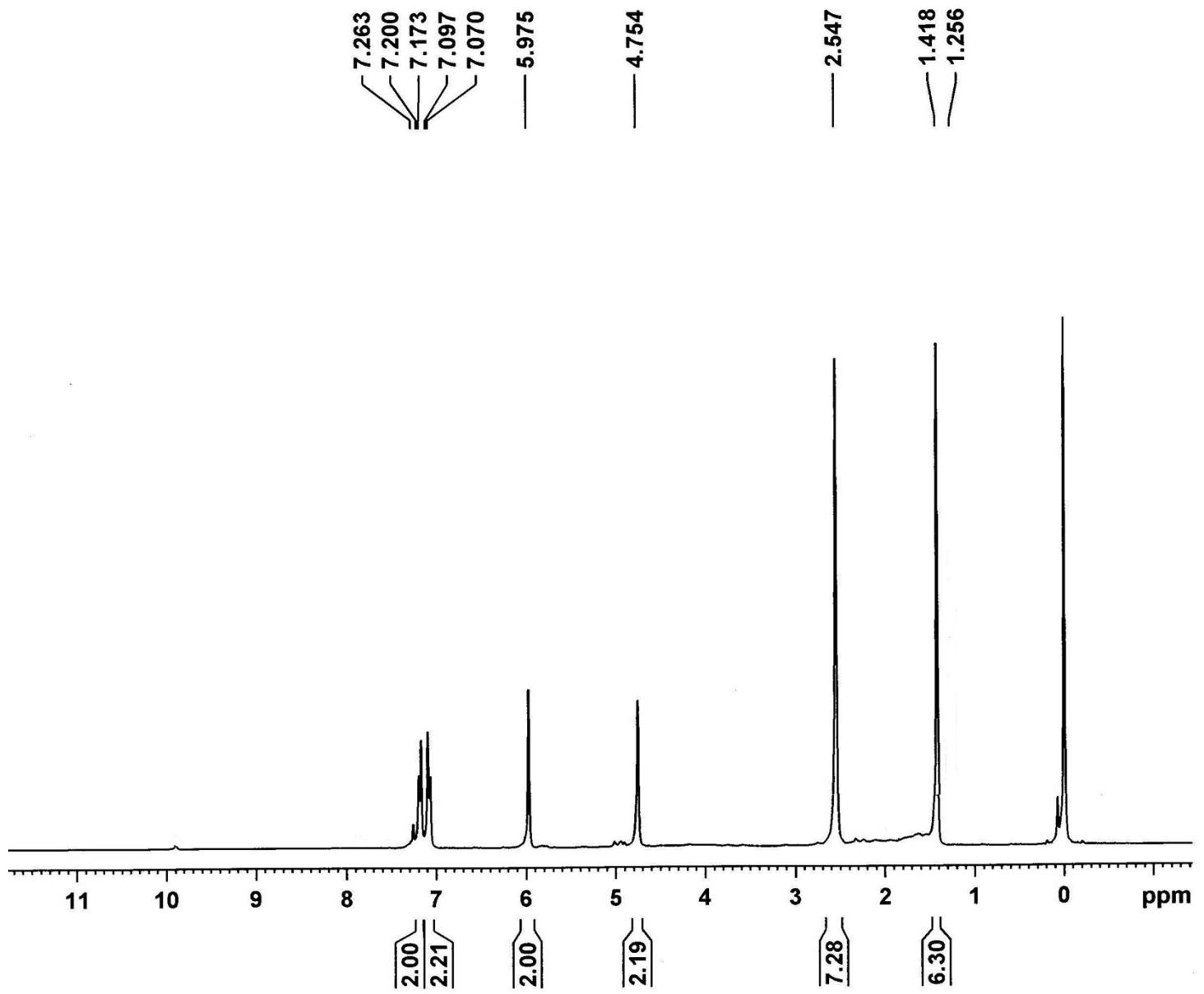
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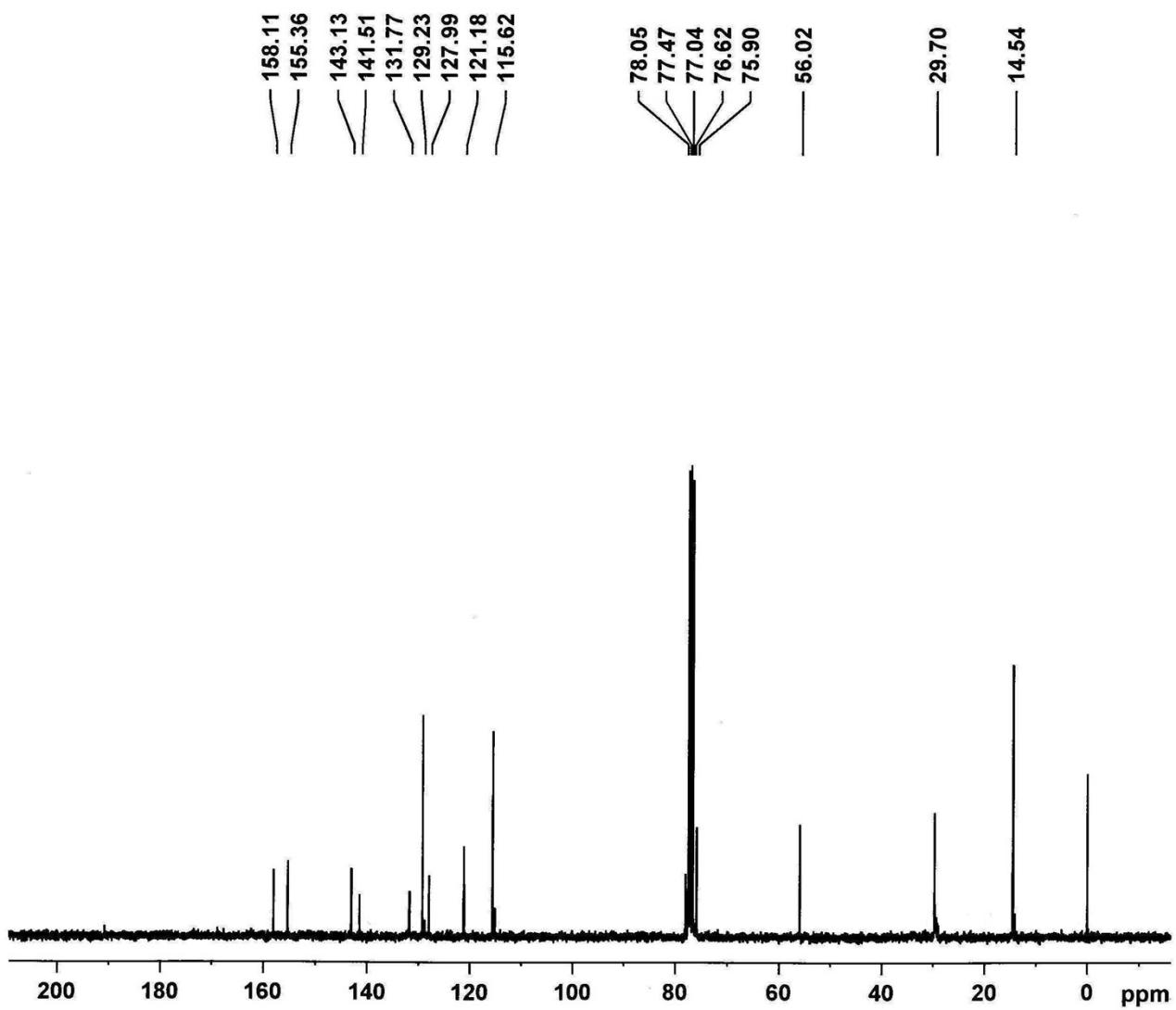
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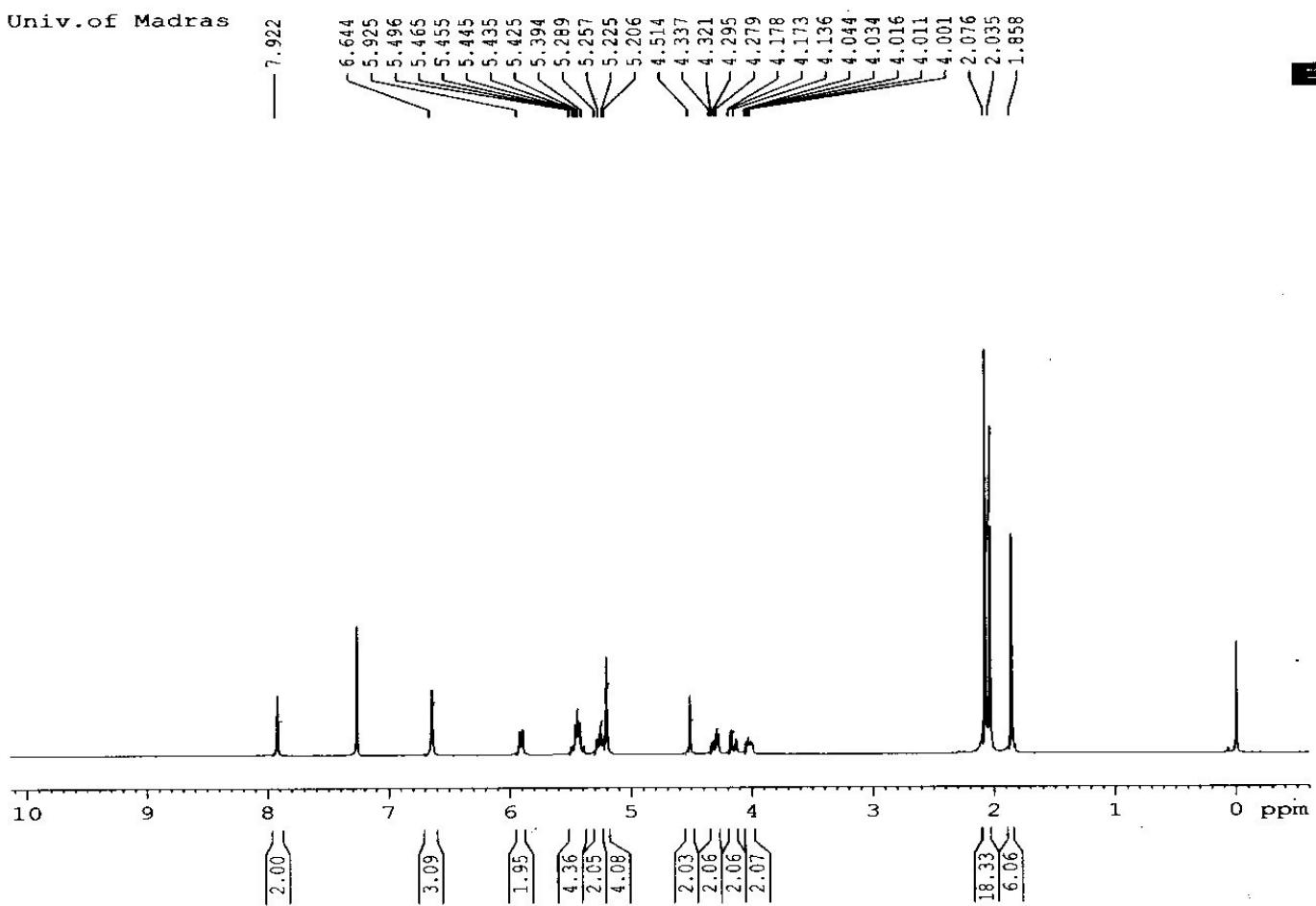
SUPPORTING INFORMATION

1. ^1H and ^{13}C NMR spectra of compounds **12, 7, 8, 9, 10, 1, 2** and **3** p 2-14
2. Mass spectra of compounds **1, 2 and 3** P 15-17
3. Antibacterial activity of the synthesized dendrimers 1, 2 and 3 (25 μg)p 18

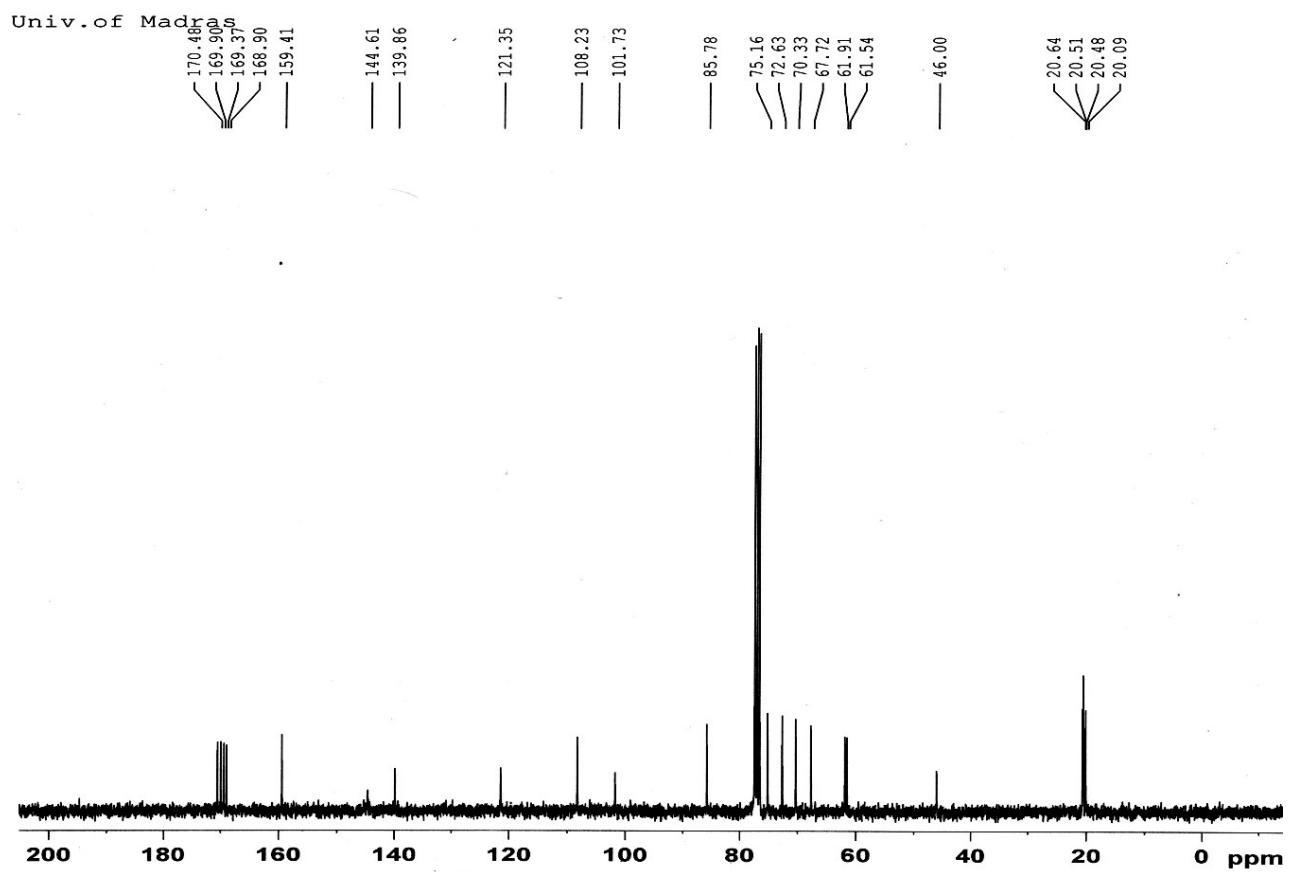




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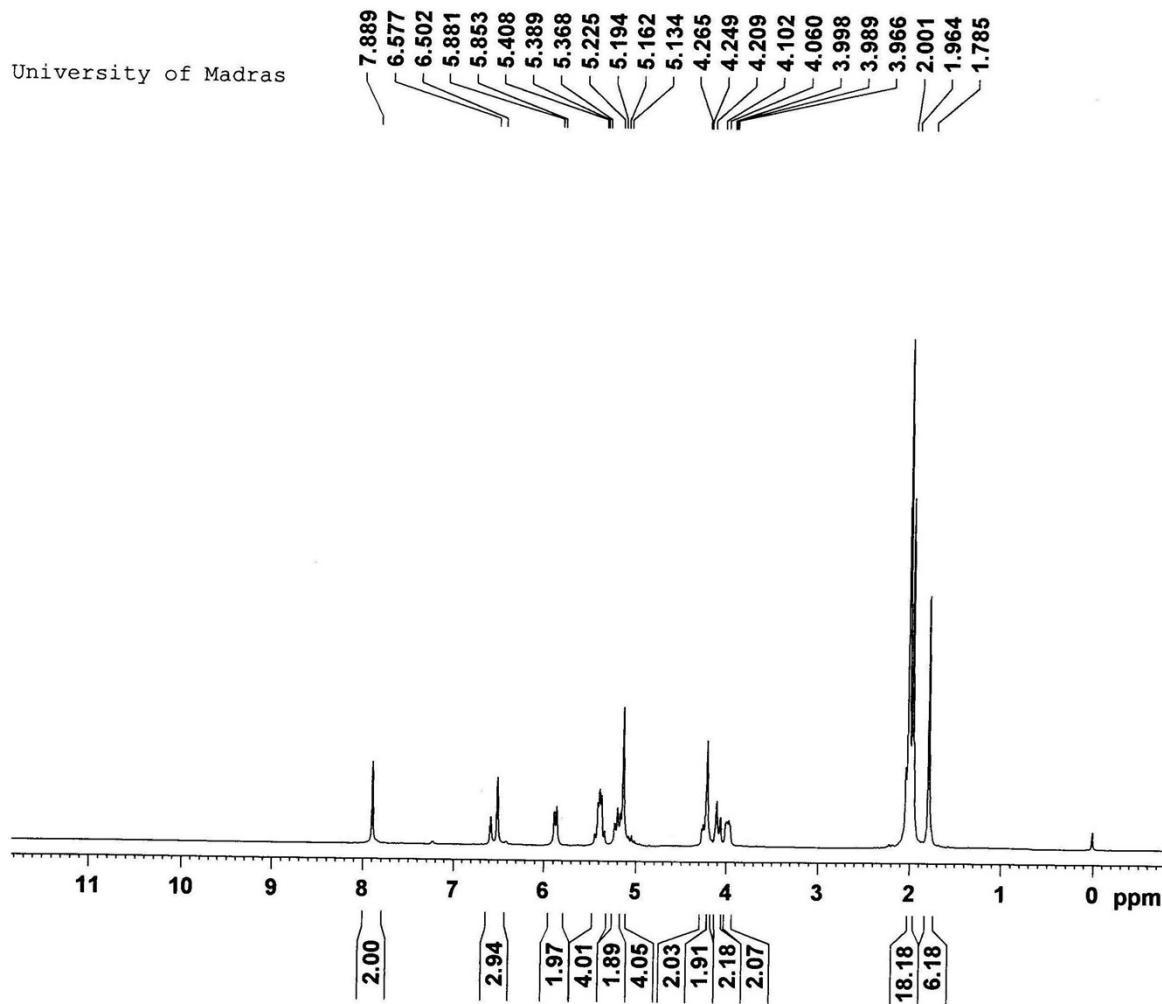


^1H NMR spectrum (300 MHz, CDCl_3) of dendritic chloride 6

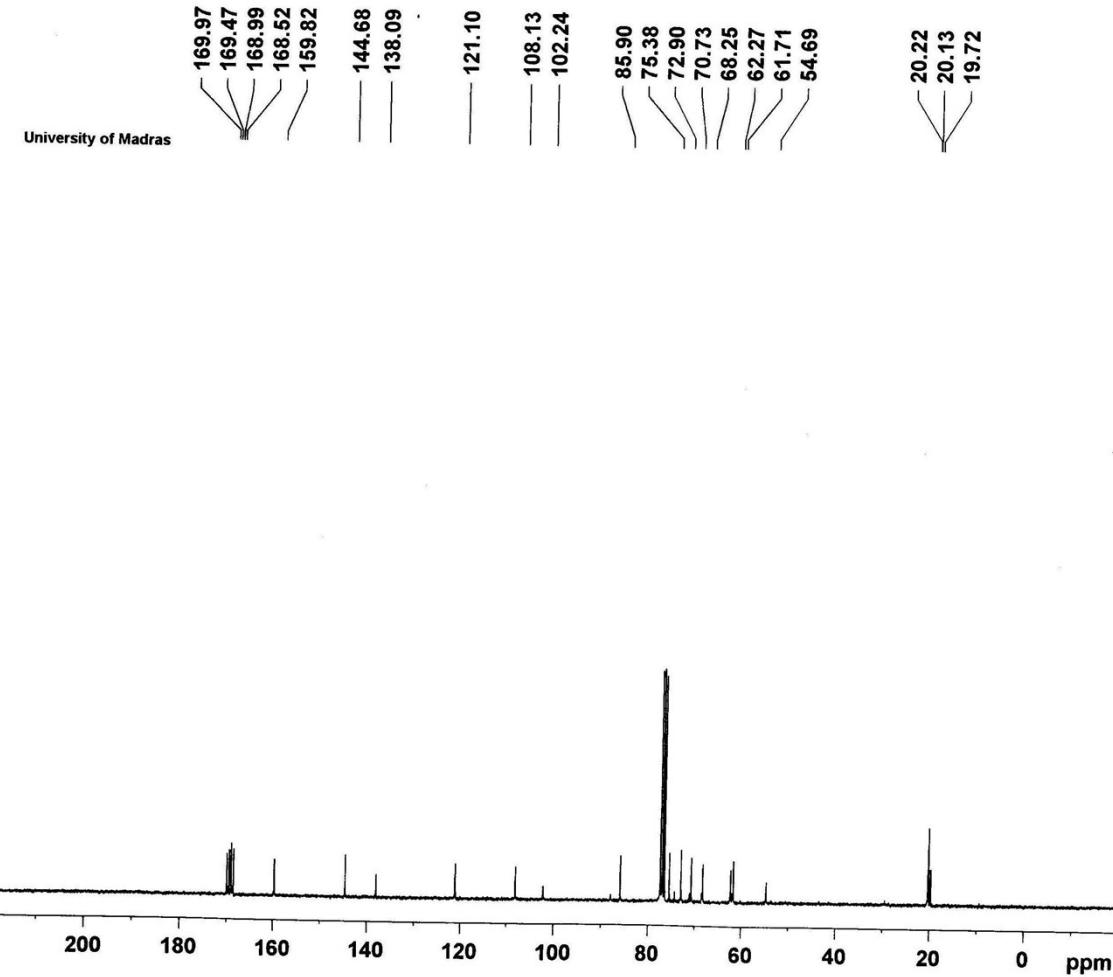


^{13}C NMR spectrum (75 MHz, CDCl_3) of dendritic chloride 6

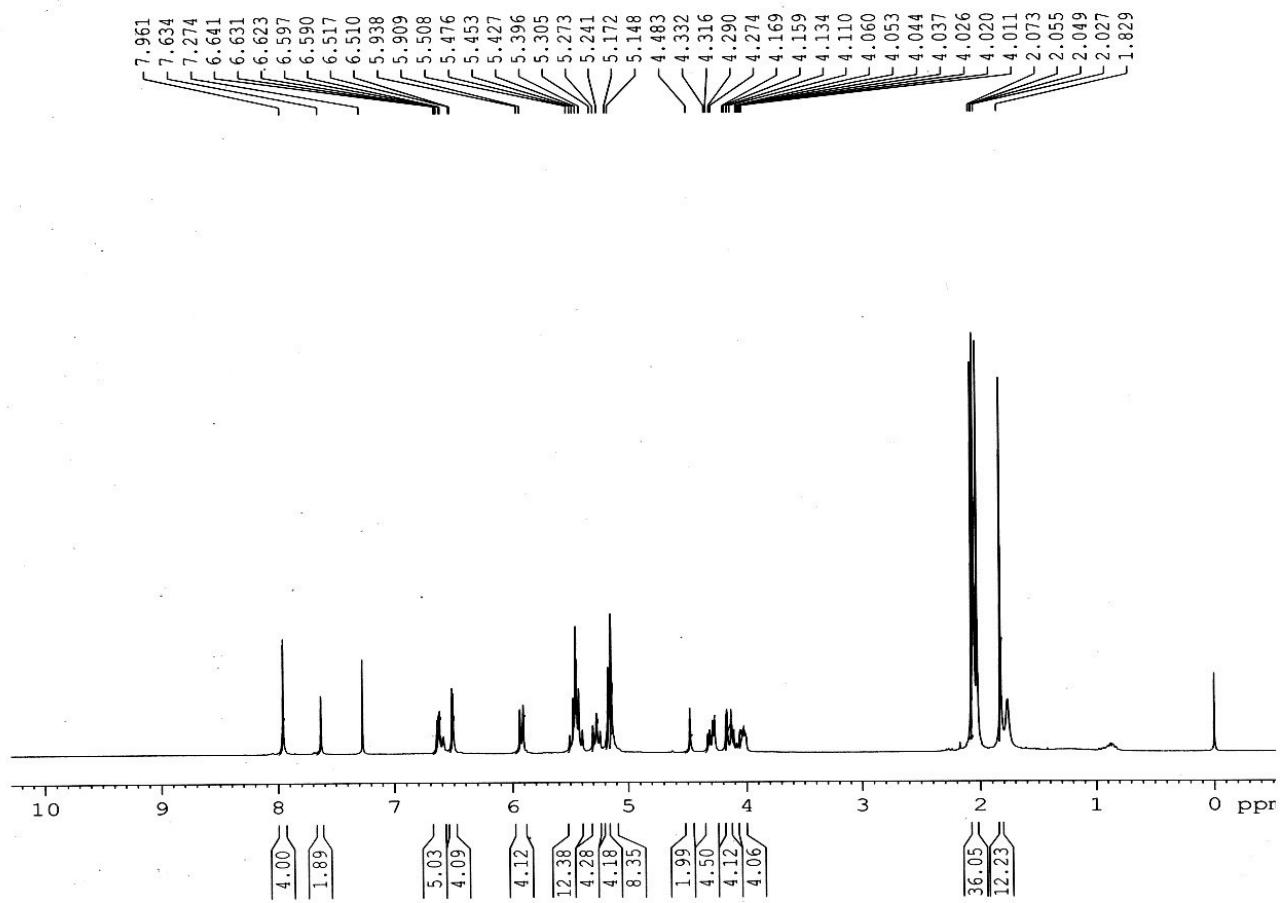
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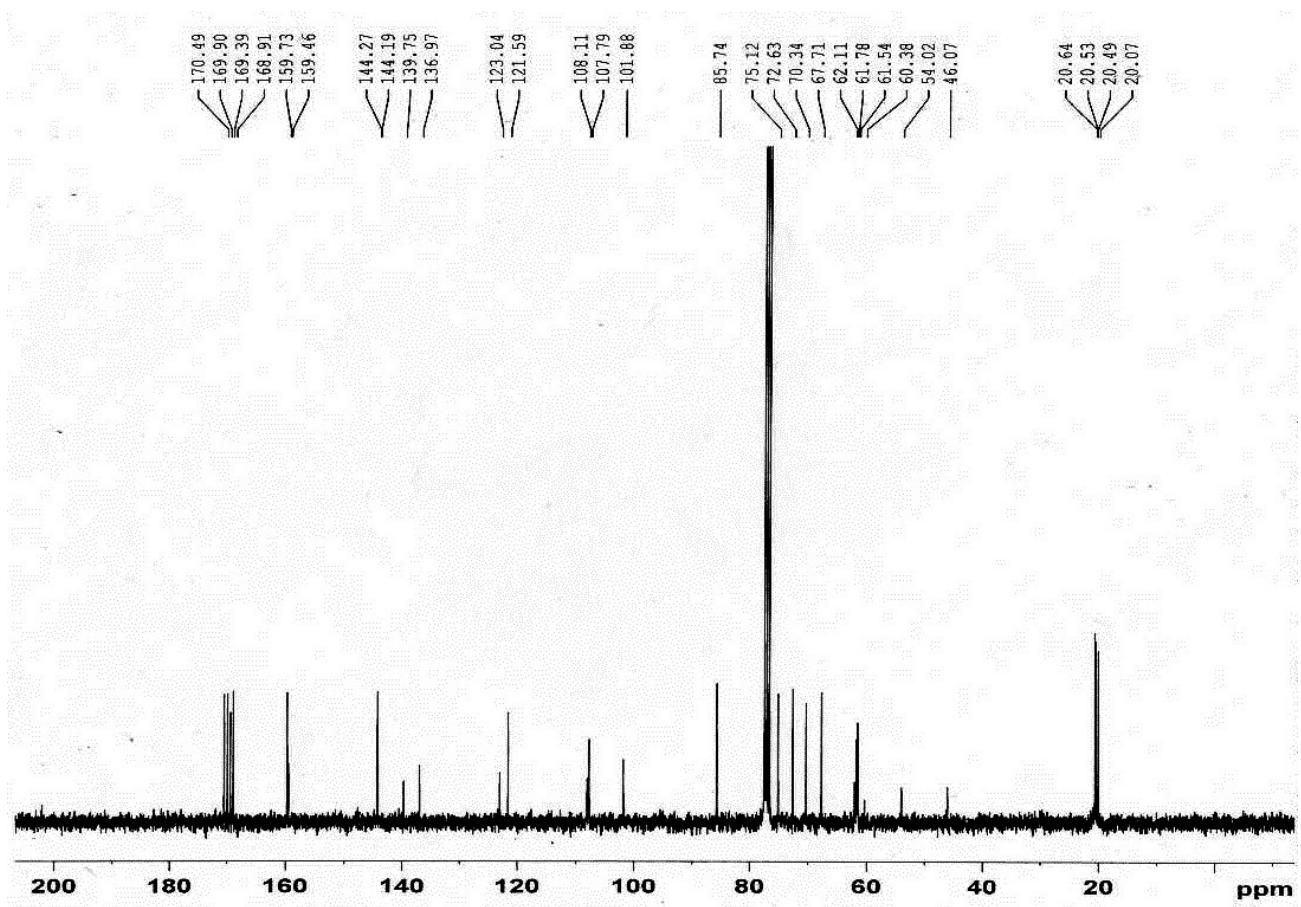
¹H NMR spectrum (300 MHz, CDCl₃) of dendritic azide 7

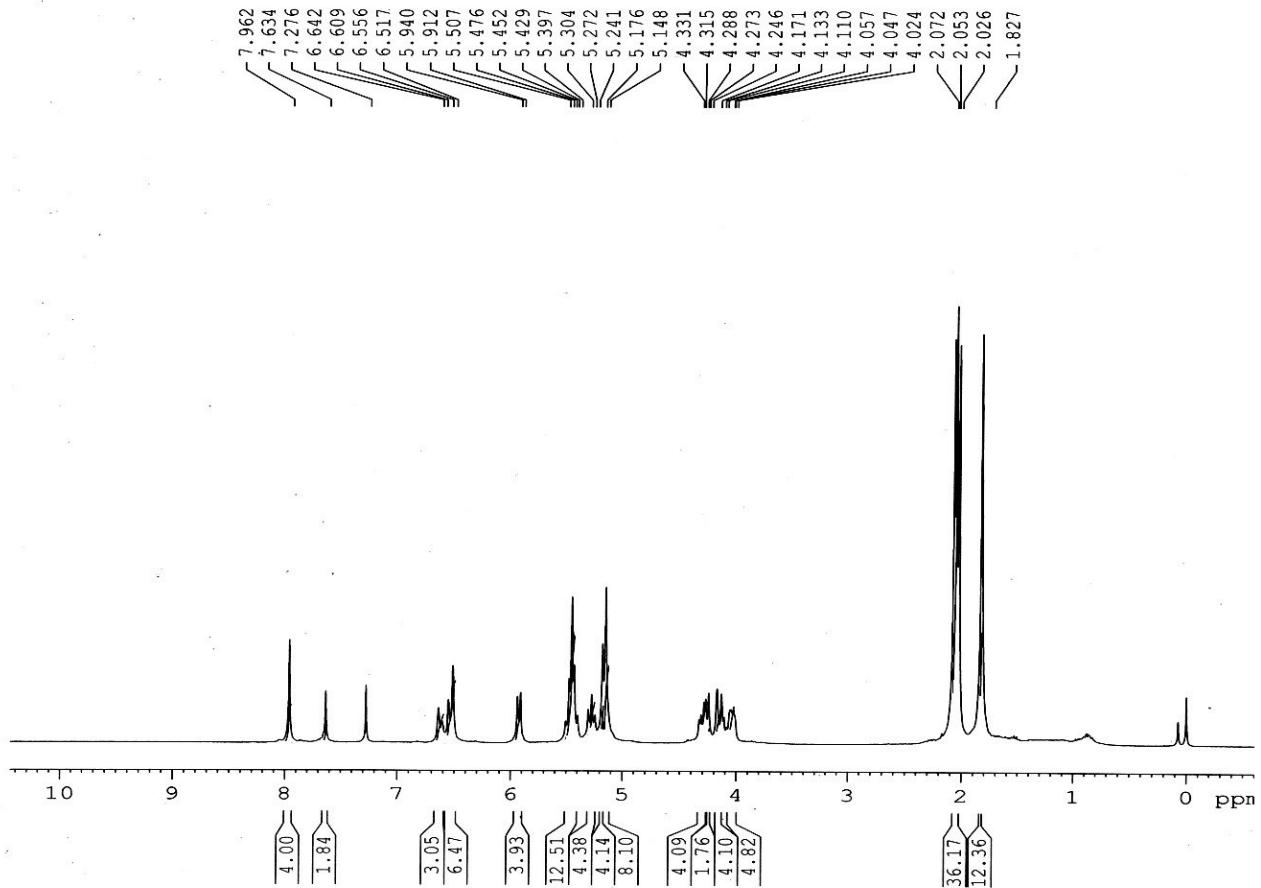


^{13}C NMR spectrum (75 MHz, CDCl_3) of dendritic azide 7

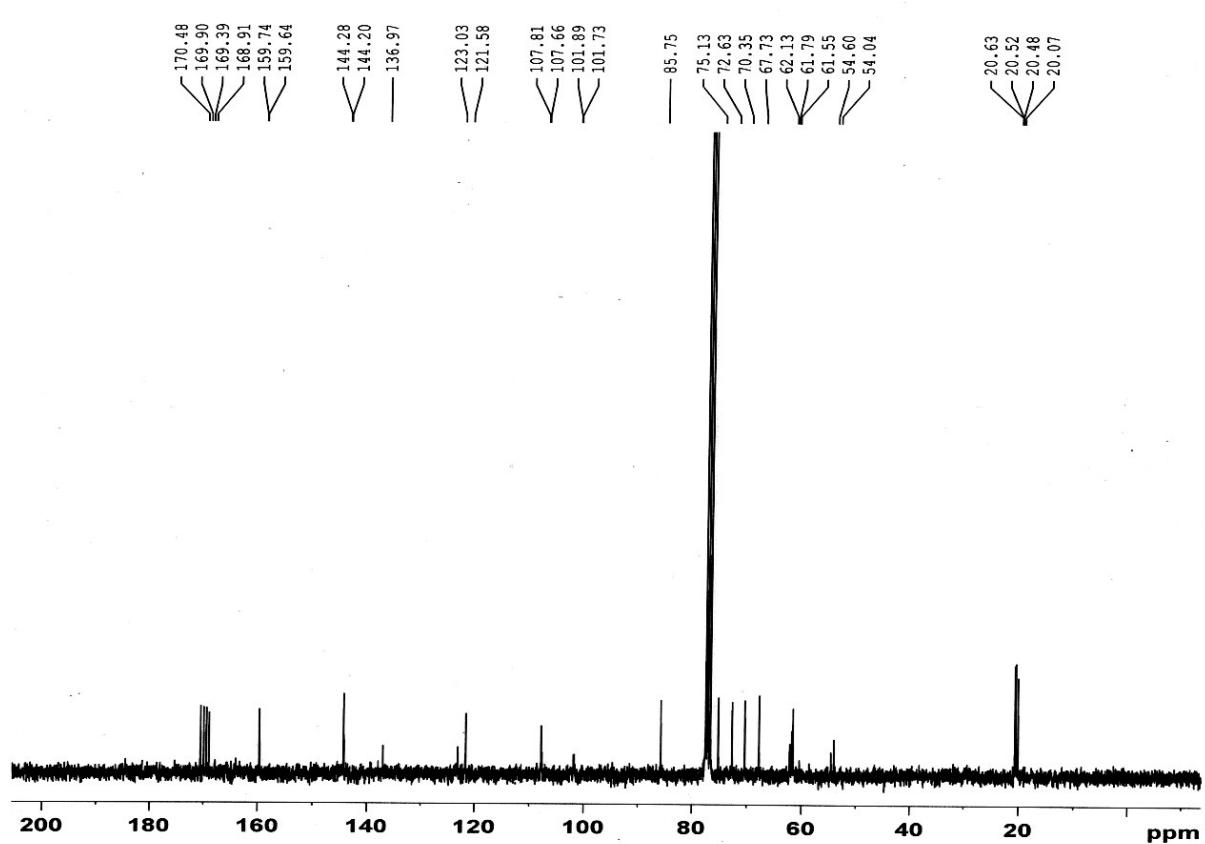


¹H NMR spectrum (300 MHz, CDCl₃) of dendritic chloride 8

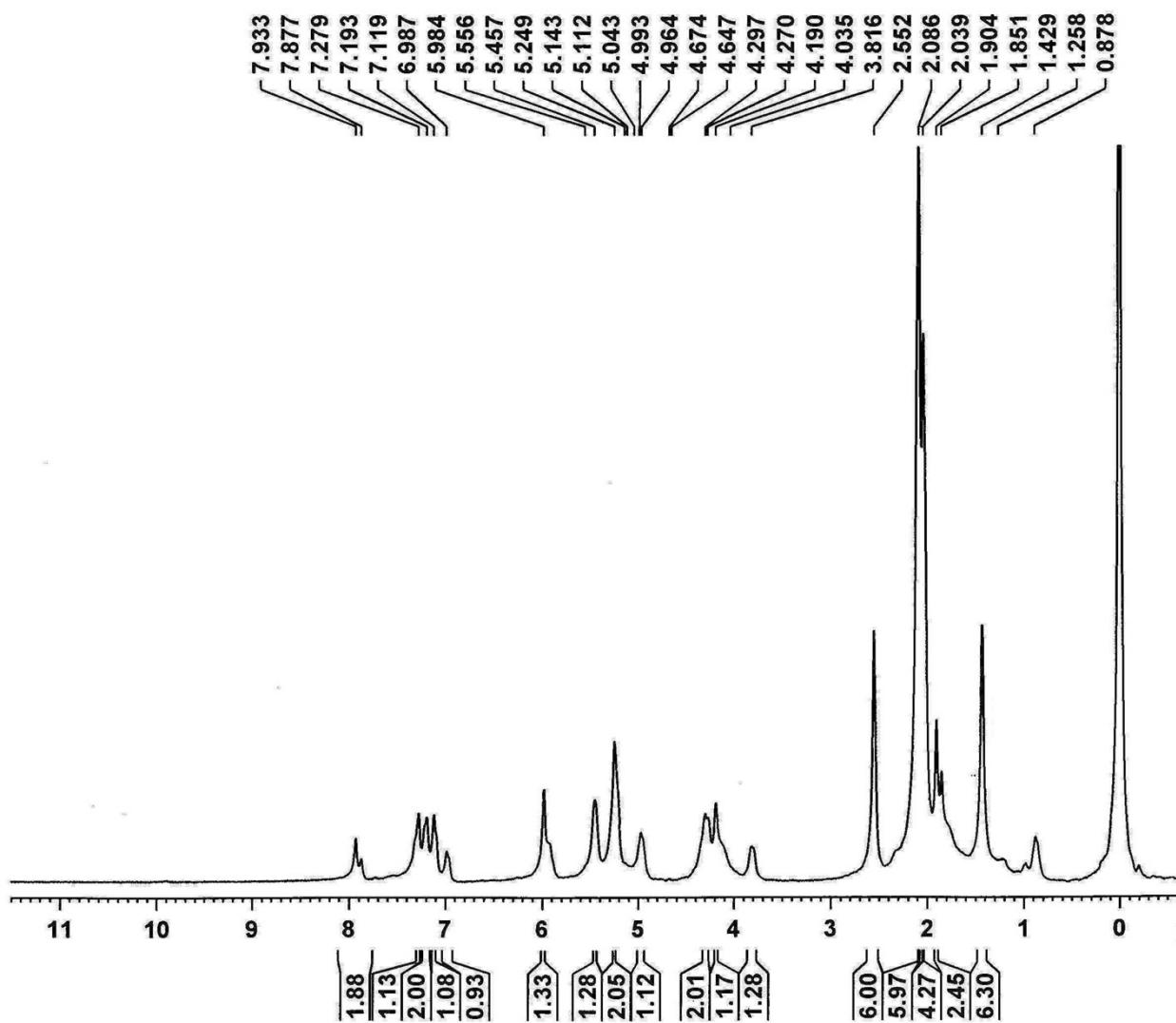




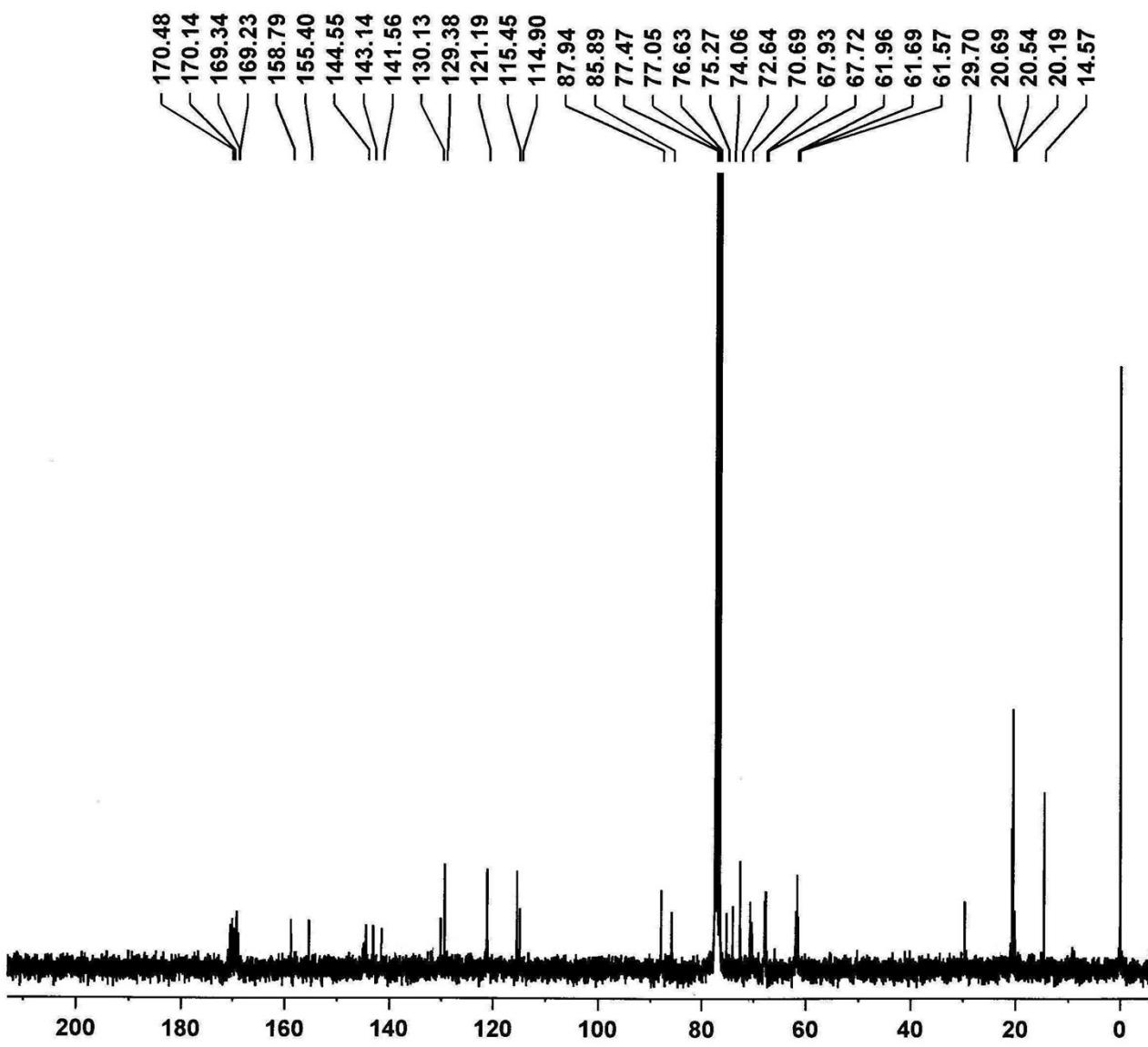
^1H NMR spectrum (300 MHz, CDCl_3) of dendritic azide 9



^{13}C NMR spectrum (75 MHz, CDCl_3) of dendritic azide 9

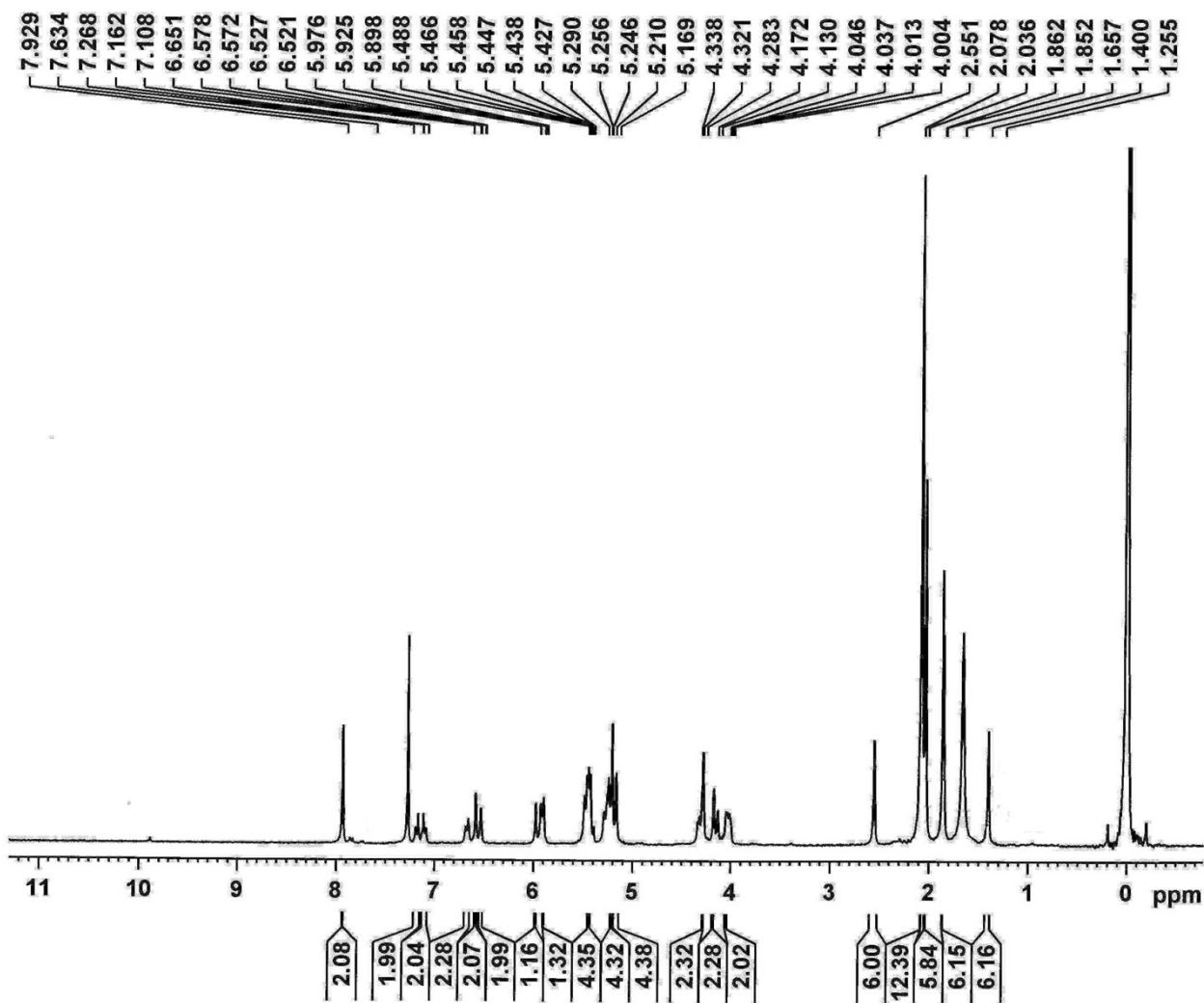


¹H (CDCl₃) NMR (300 MHz) spectrum of dimethyl pyrrole Bodipy glycodendrimer 1

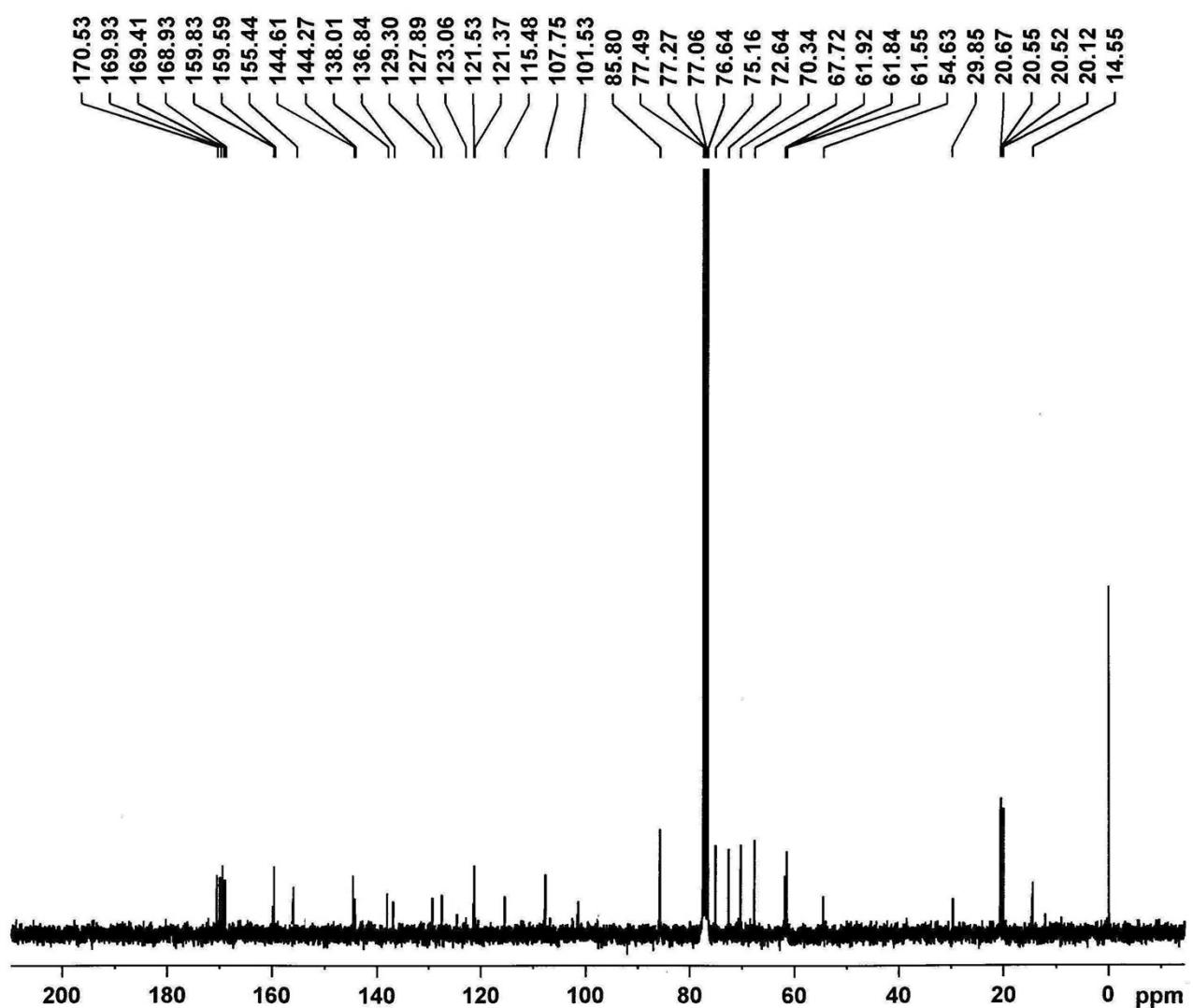


^{13}C (CDCl_3) NMR (75 MHz) spectrum of dimethyl pyrrole Bodipy glycodendrimer 1

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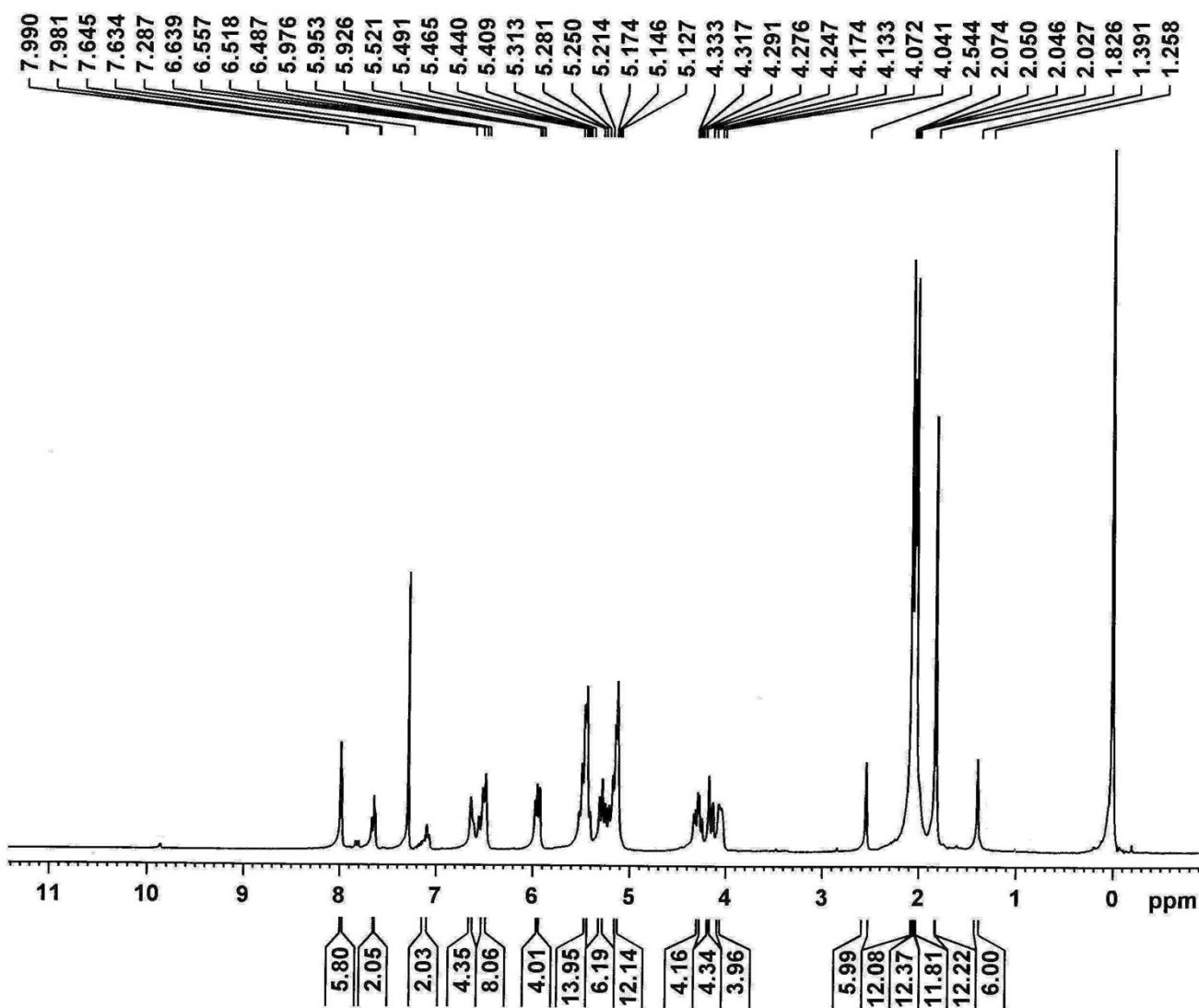


^1H (CDCl_3) NMR (300 MHz) spectrum of dimethyl pyrrole Bodipy glycodendrimer 2



^{13}C (CDCl_3) NMR (75 MHz) spectrum of dimethyl pyrrole Bodipy glycodendrimer 2

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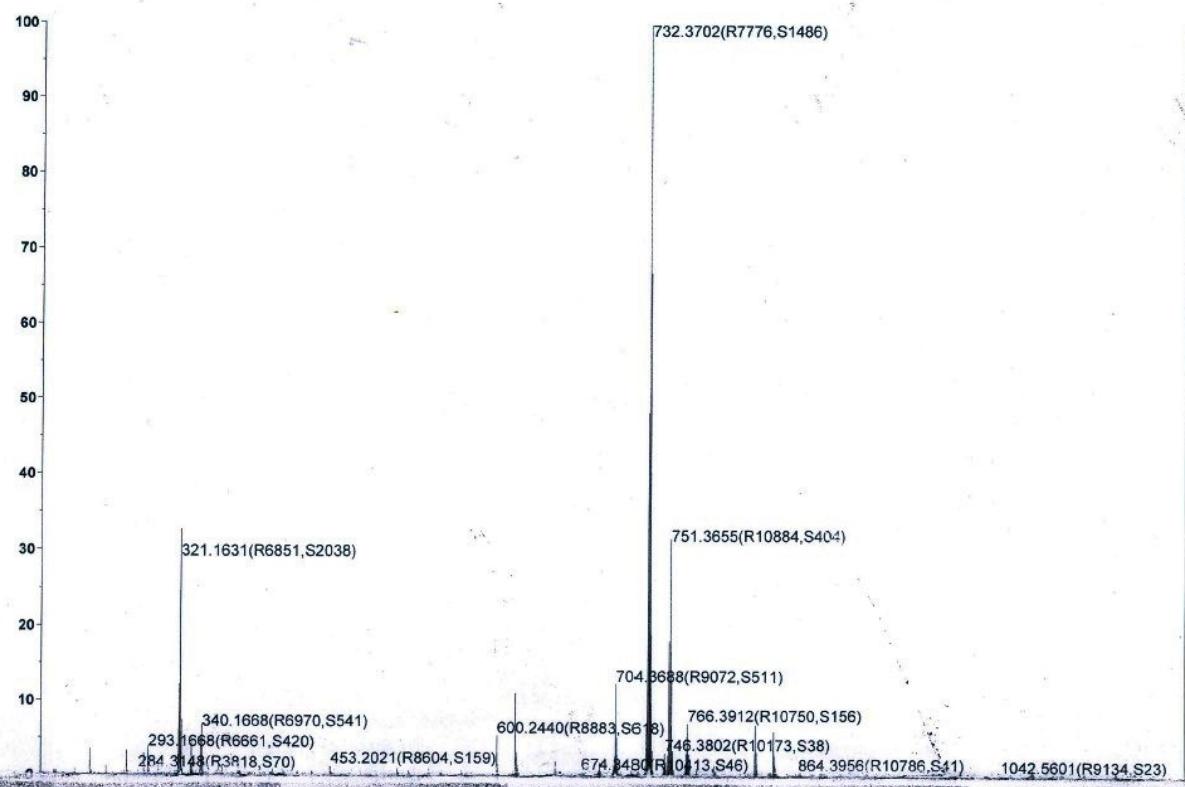
¹³C (CDCl₃) NMR (75 MHz) spectrum of dimethyl pyrrole Bodipy glycodendrimer 3

Spectrum Report

Final - Shots 400 - IISER-6; Run #324; Label G20

OSK-4

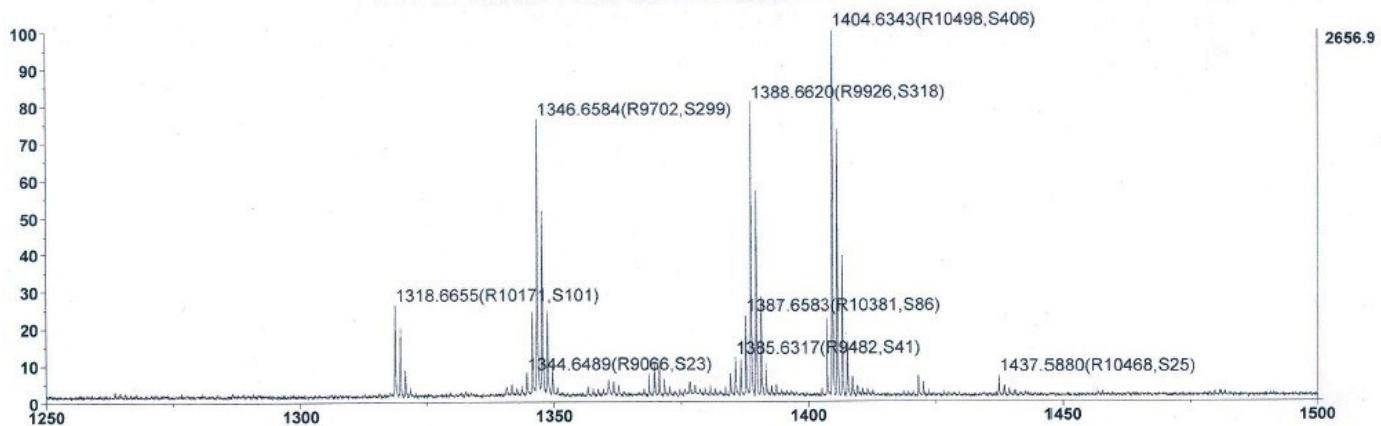
8.5E+4



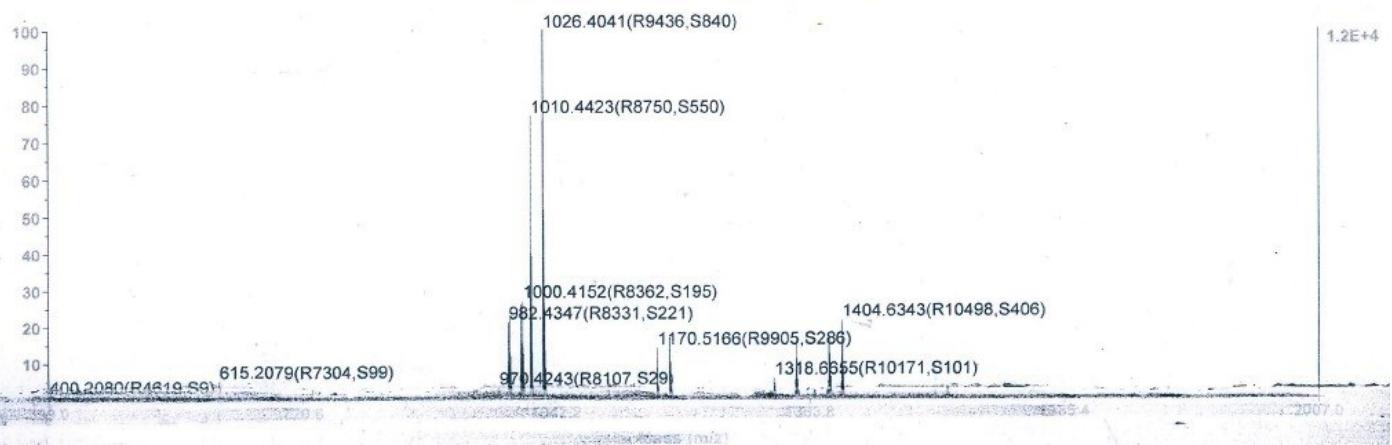
Spectrum Report

GSK-5

Final - Shots 400 - IISER-6; Run #324; Label G22



Accumulated - Shots 400 - IISER-6; Label G22

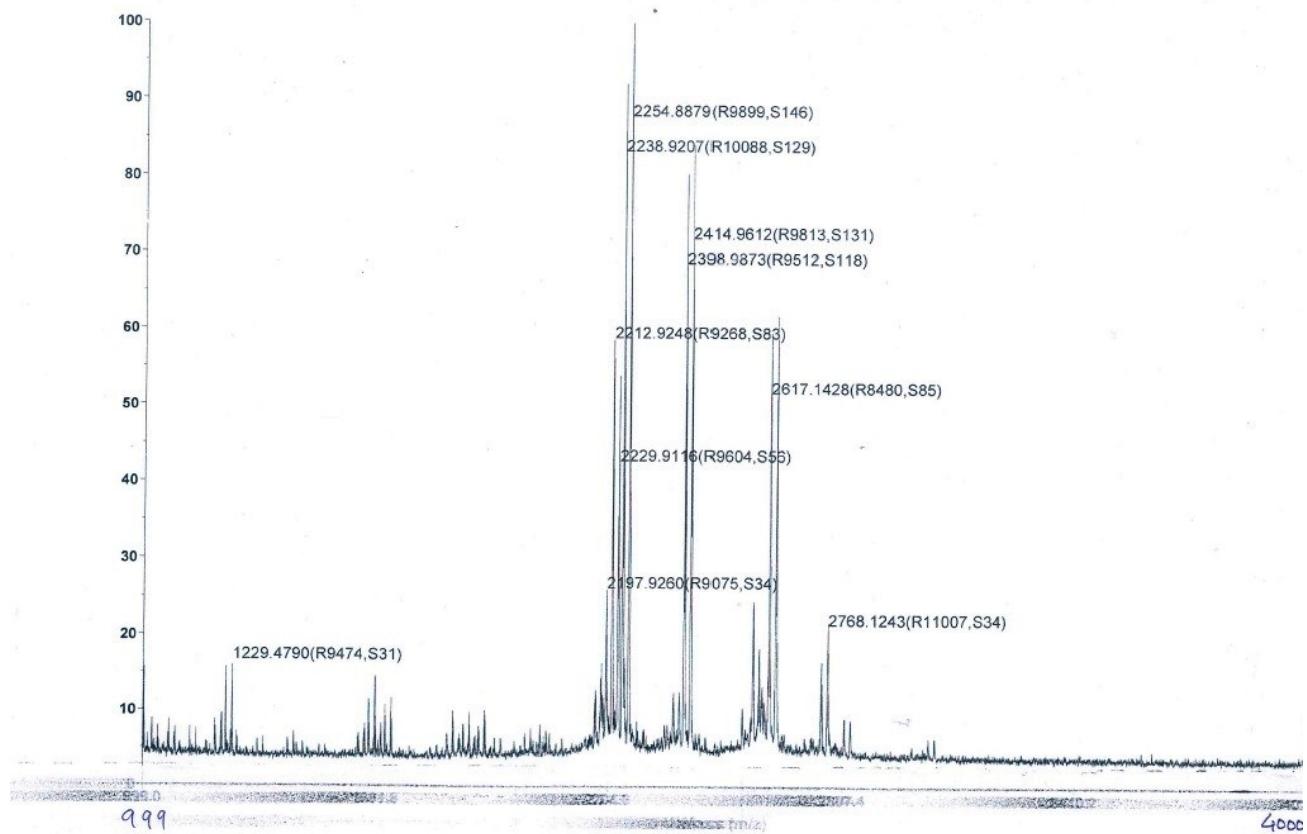


Mass spectrum (MALDI) of dimethyl pyrrole Bodipy glycodendrimer dendrimer 2

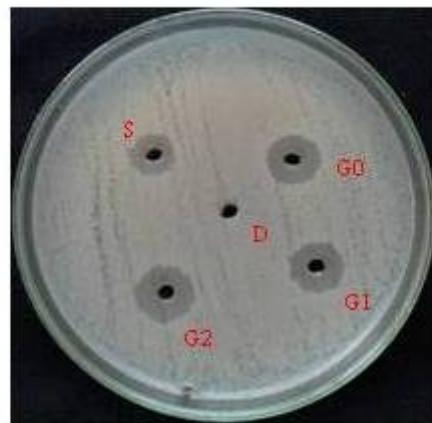
Spectrum Report

GSK-6

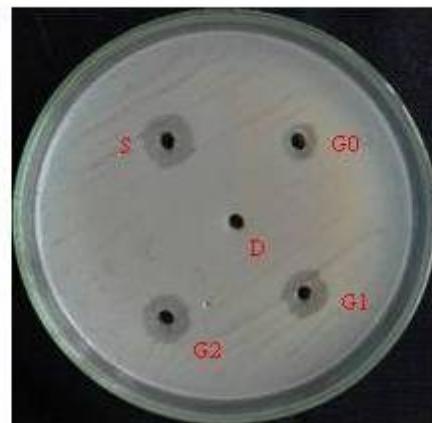
Final - Shots 400 - IISER-6; Run #325; Label G24



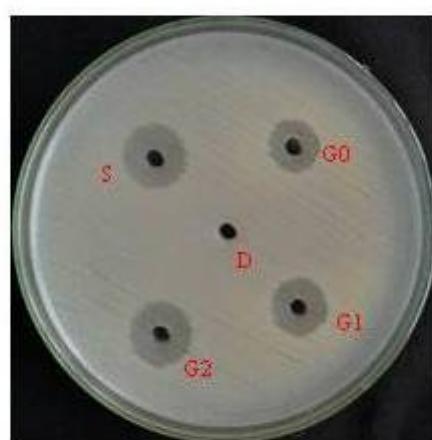
Bacillus subtilis



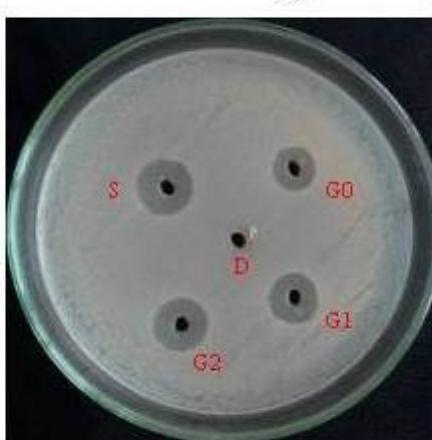
Staphylococcus aureus



Escherichia coli



Salmonella typhi



Si- Antibacterial activity of synthesised dendrimer1, 2 and 3 against bacterial pathogen. G0, G1 and G2 – dendrimer (25 µg/mL), S – Streptomycin (25µg/mL), D – DMSO.