

**Synthesis, characterization, optical, electrochemical properties and
antifungal, anticancer activities of ferrocenyl conjugated novel dendrimers**

Velautham Saravanan,^a Ayyavoo Kannan ^{a,b} and Perumal Rajakumar ^{a*}

^aDepartment of Organic Chemistry, University of Madras, Chennai, 600 025, India.

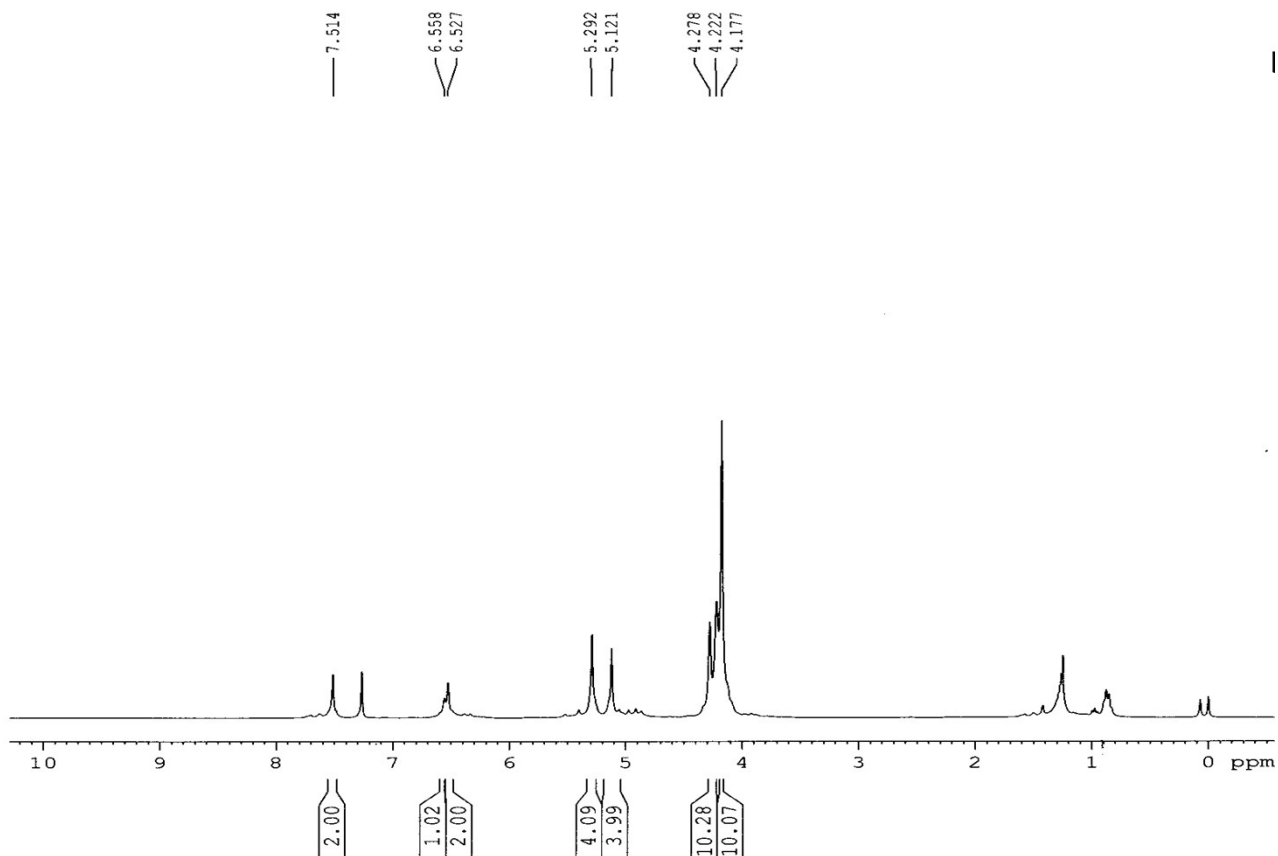
^bDepartment of Chemistry, University of the Free State, Bloemfontein, South Africa

*E-mail: perumalrajakumar@gmail.com; Fax: +91 044 22300488;

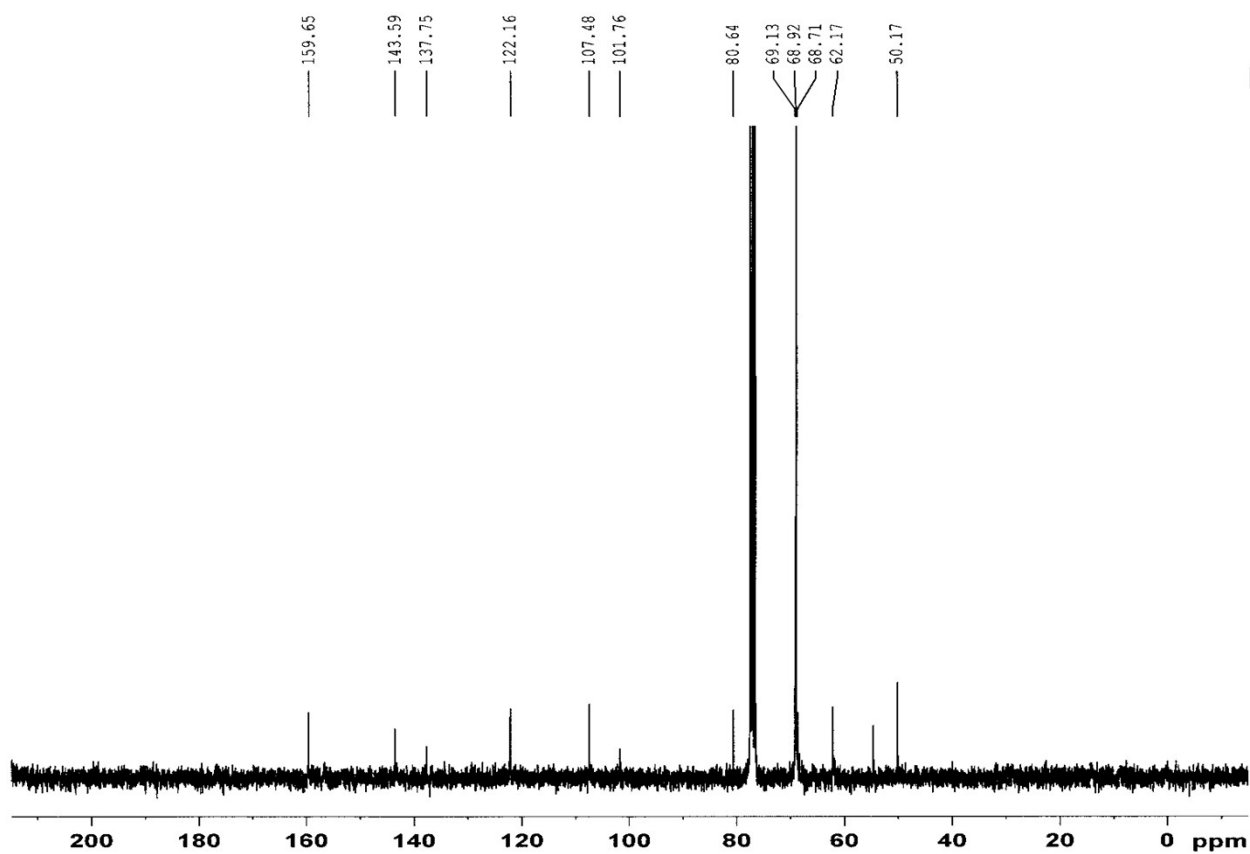
Tel: +91 044 22202814; 9551379907

SUPPORTING INFORMATION

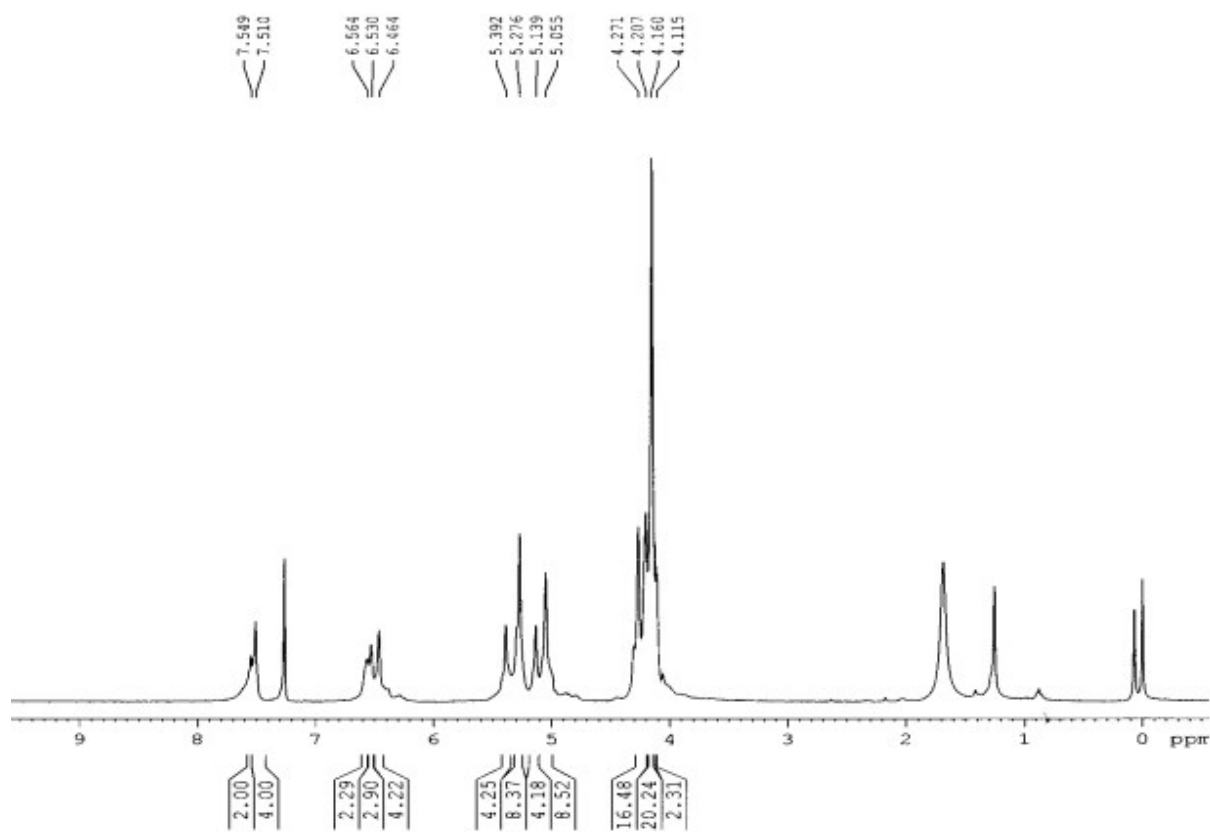
1. ¹H and ¹³C NMR spectra of compounds **7**, **9**, **11**, **12**, **1**, **2** and **3** p 2-16
2. Mass spectra of compounds **1** and **2** p16-18



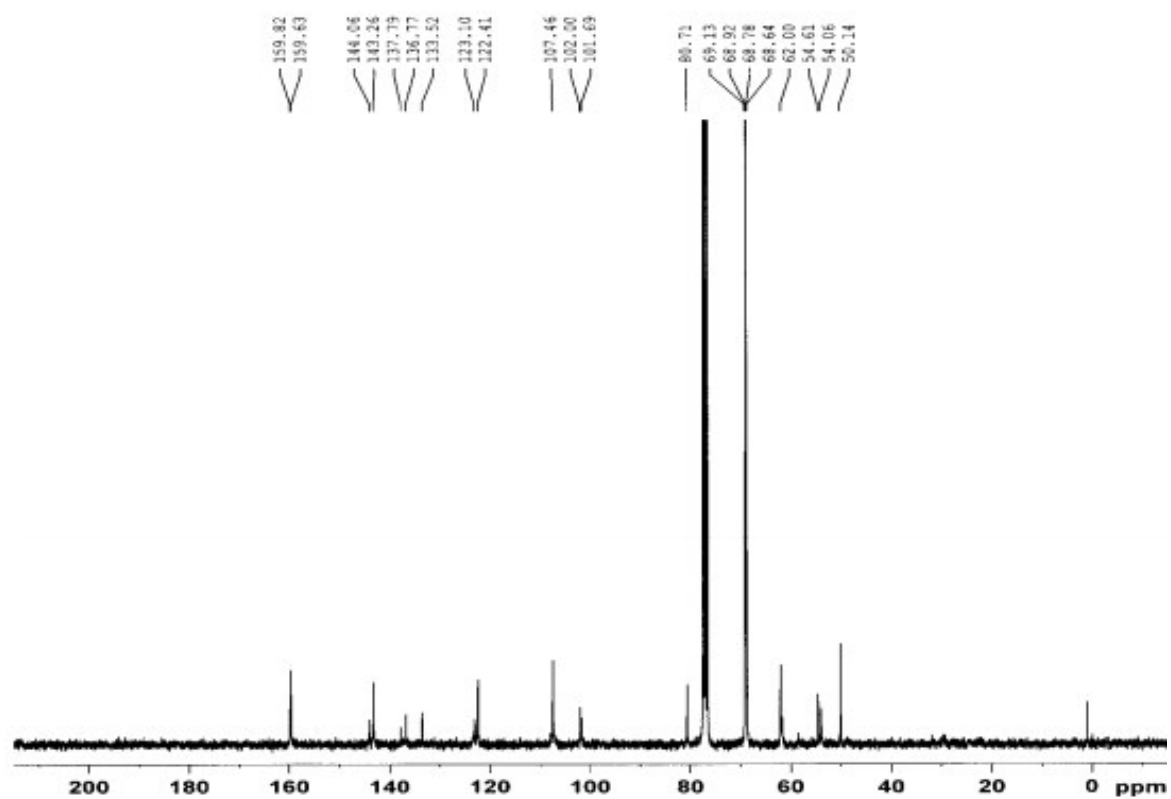
^1H NMR spectrum (300 MHz, CDCl_3) of dendritic azide 7



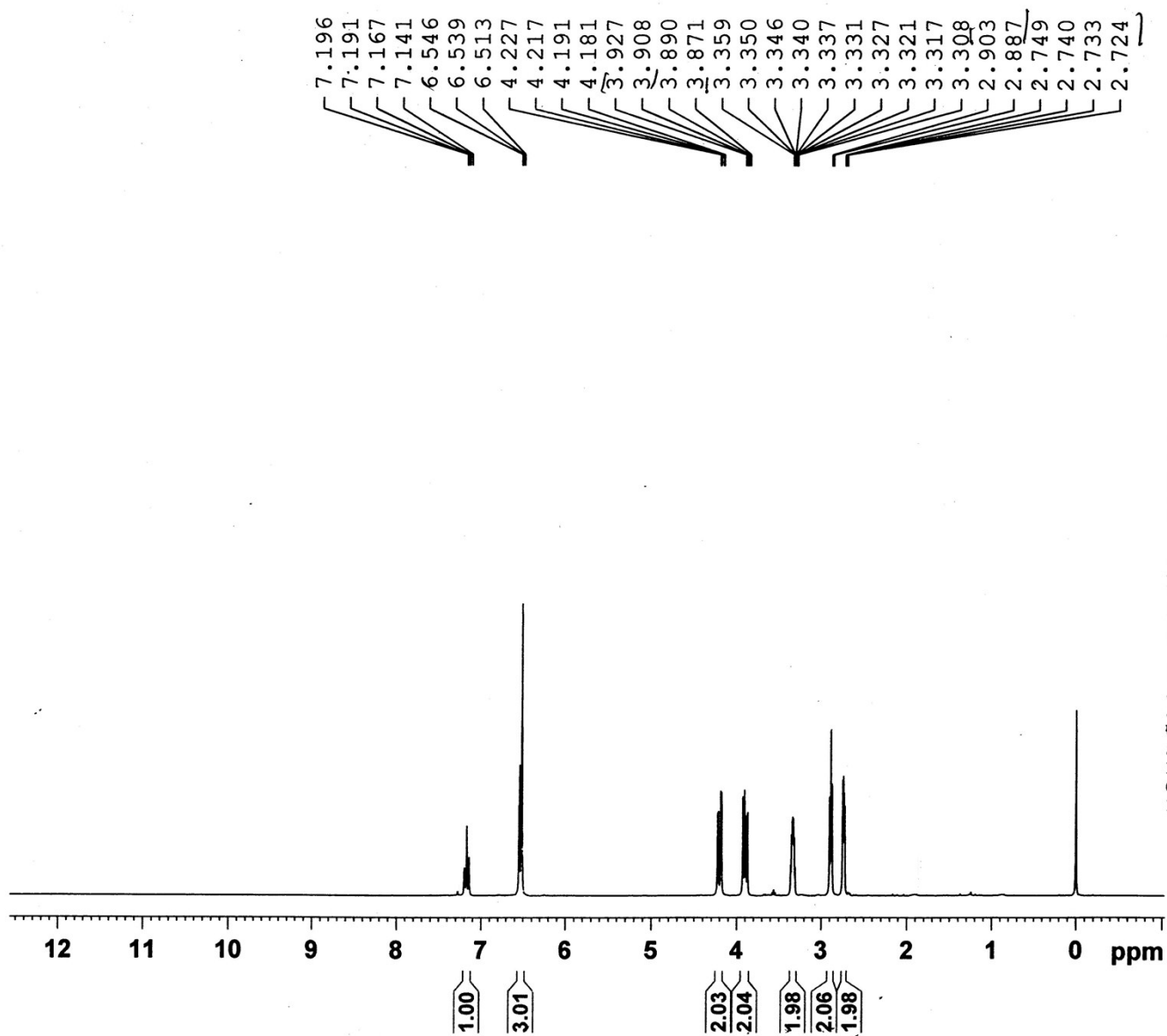
¹³C NMR spectrum (75 MHz, CDCl₃) of dendritic azide 7



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

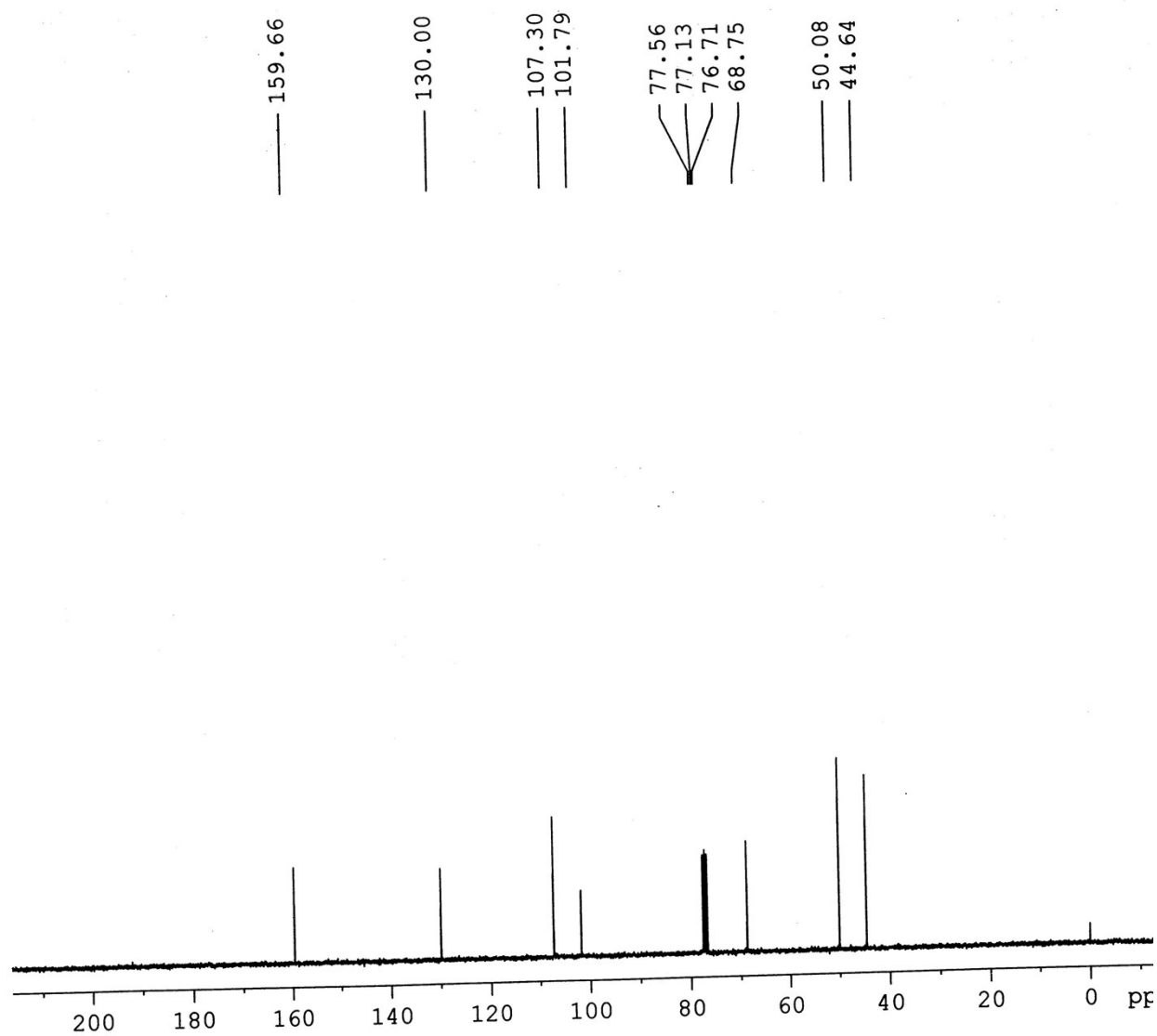


^{13}C NMR spectrum (75 MHz, CDCl_3) of dendritic azide 9



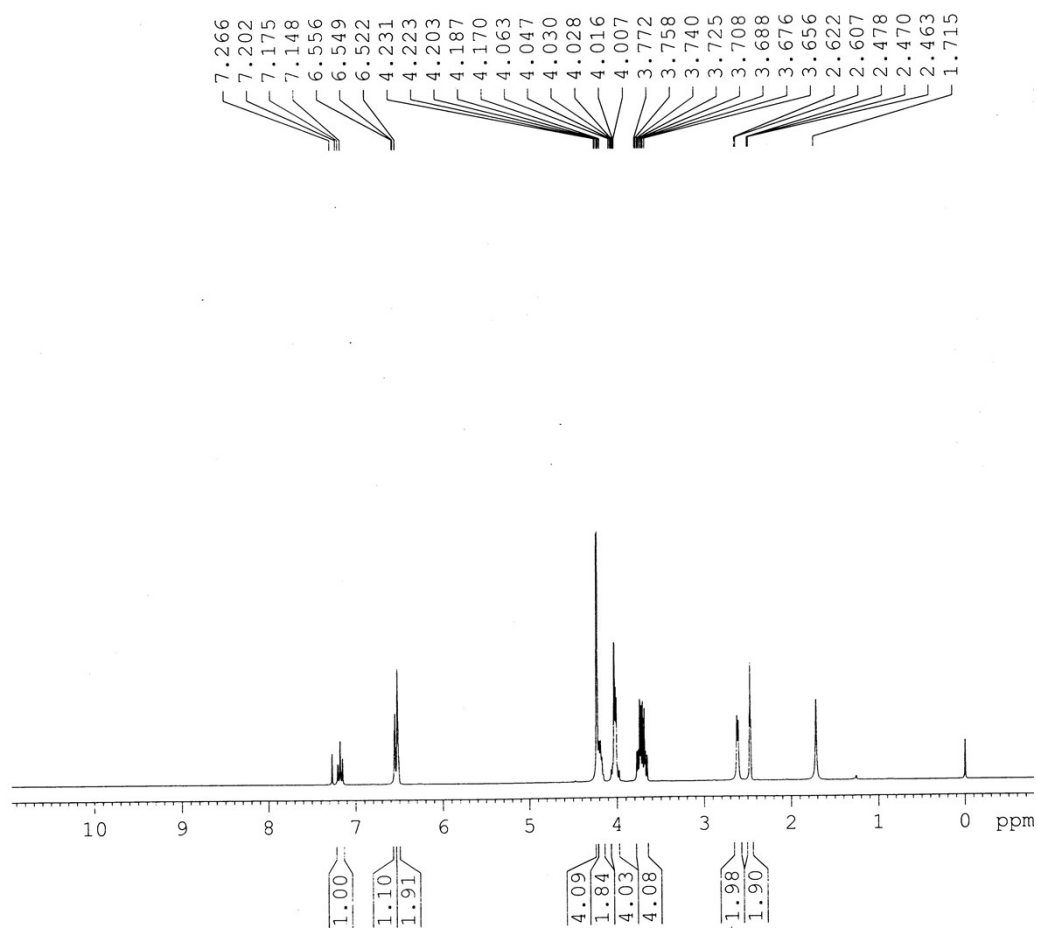
¹H (CDCl₃) NMR (300 MHz) spectrum of Compound 11

UNIV OF MADRAS



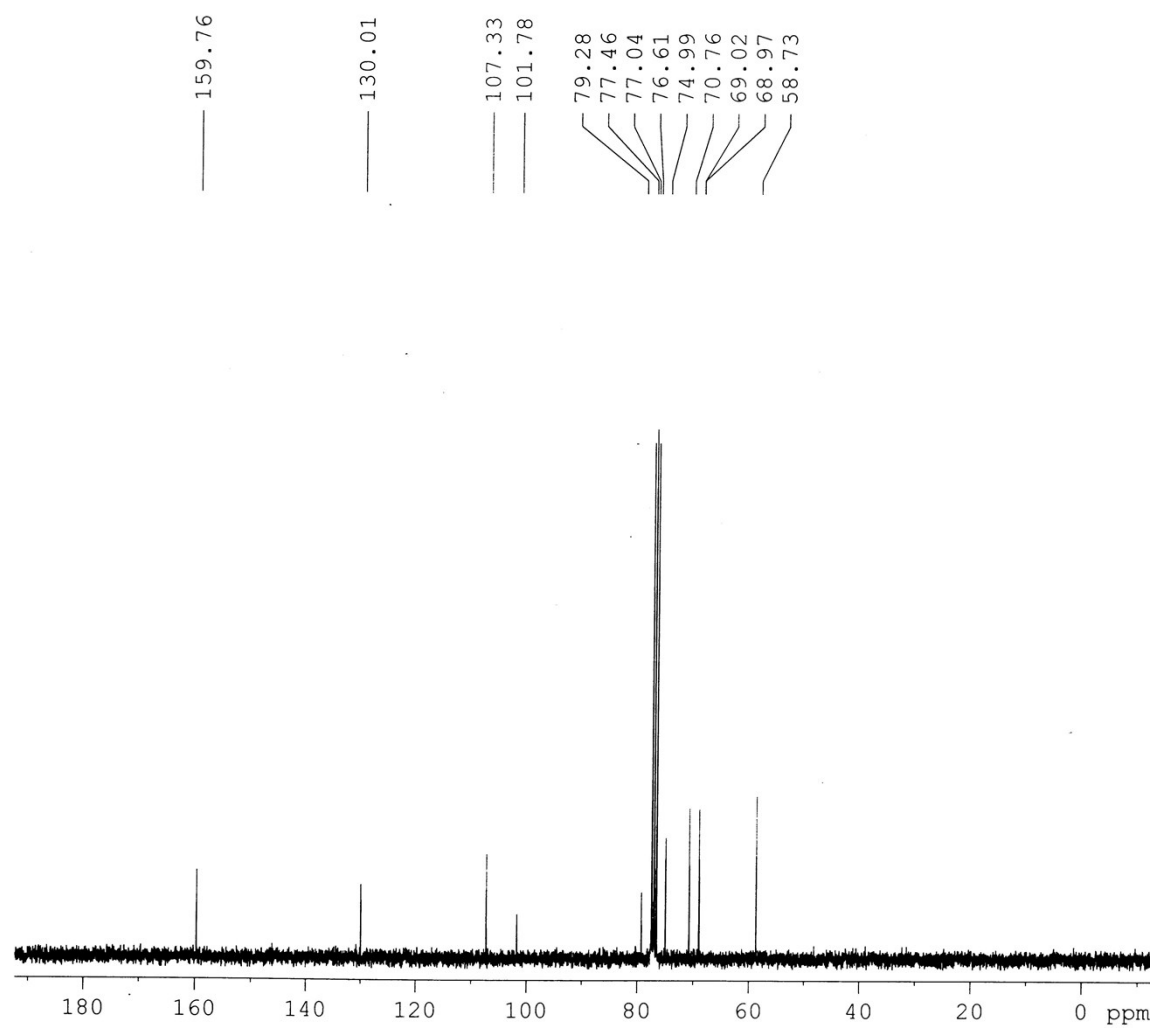
^{13}C (CDCl_3) NMR (75 MHz) spectrum of Compound 11

UNIV. OF MADRAS

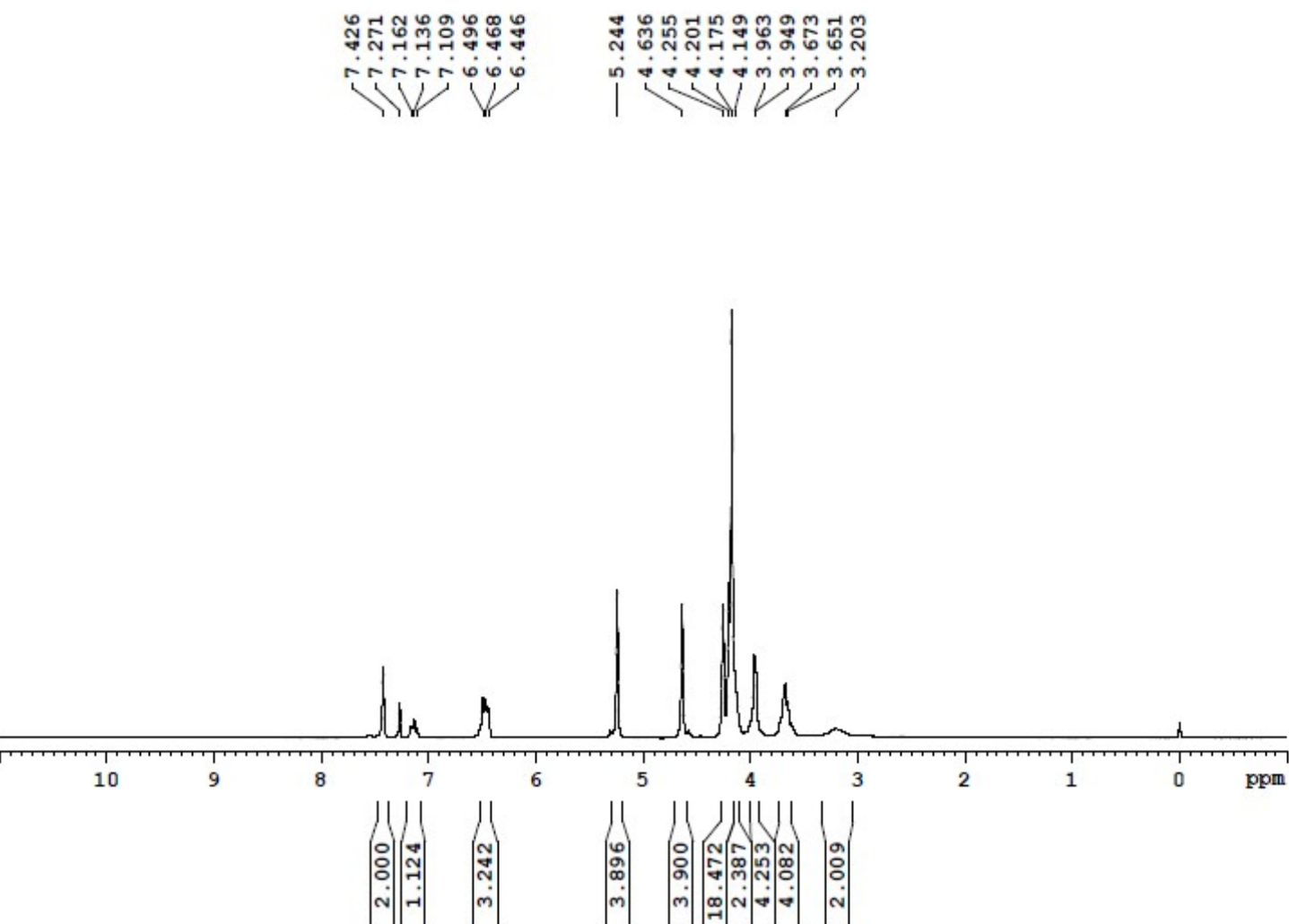


NMR (75 MHz) spectrum of Compound 12

UNIV. OF MADRAS

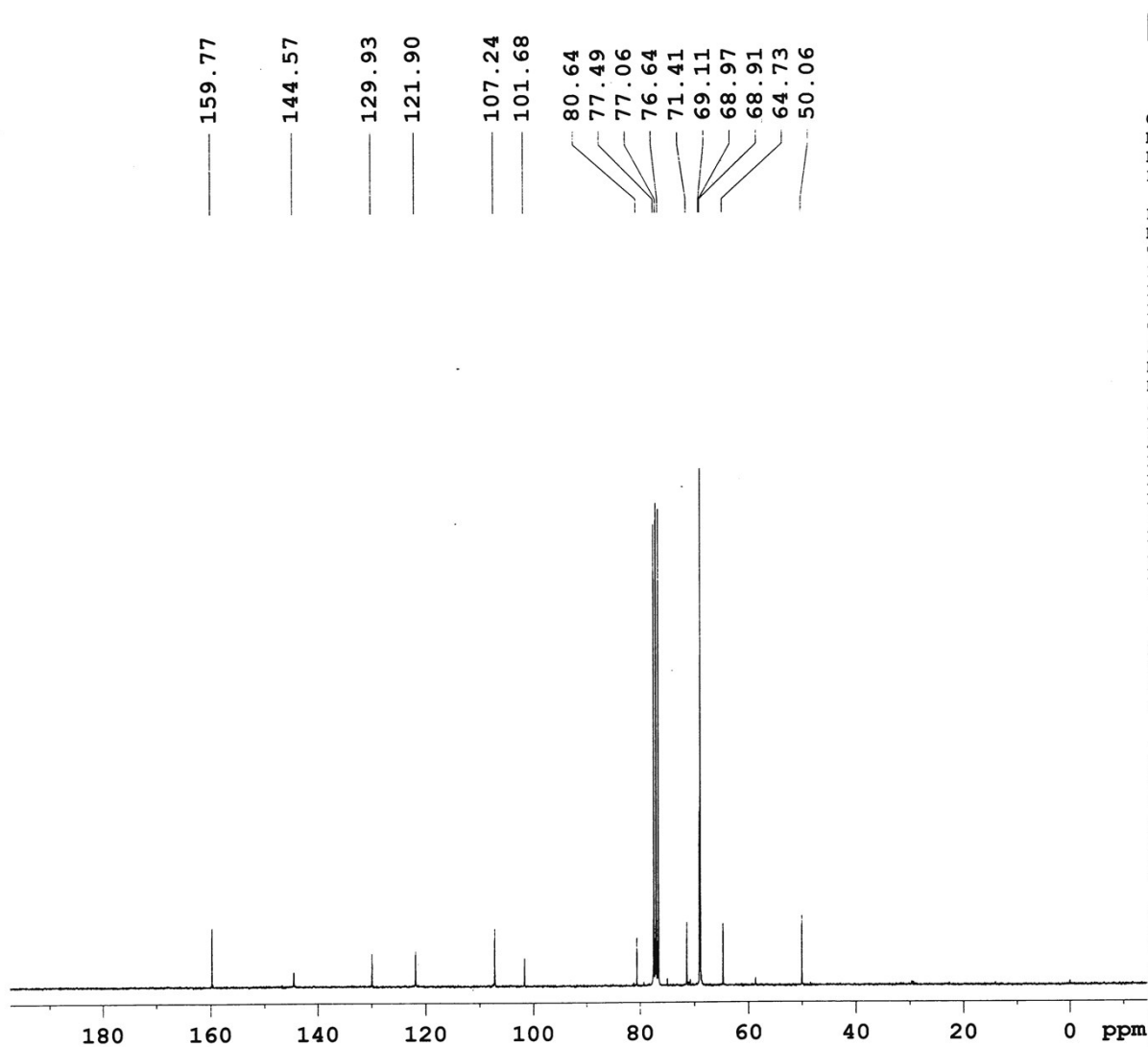


^{13}C NMR spectrum (75 MHz, CDCl_3) of ferrocenyl dendrimer 12

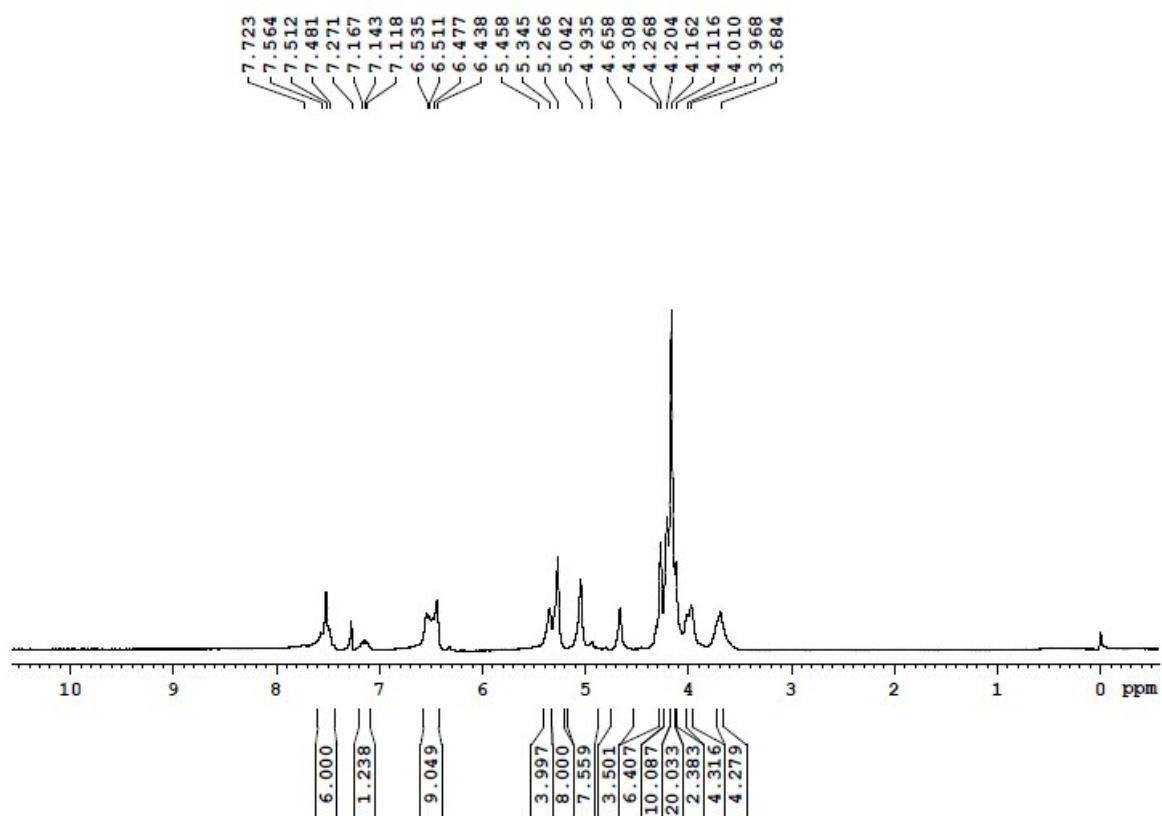


^1H NMR spectrum (300 MHz, CDCl_3) of ferrocenyl dendrimer 1

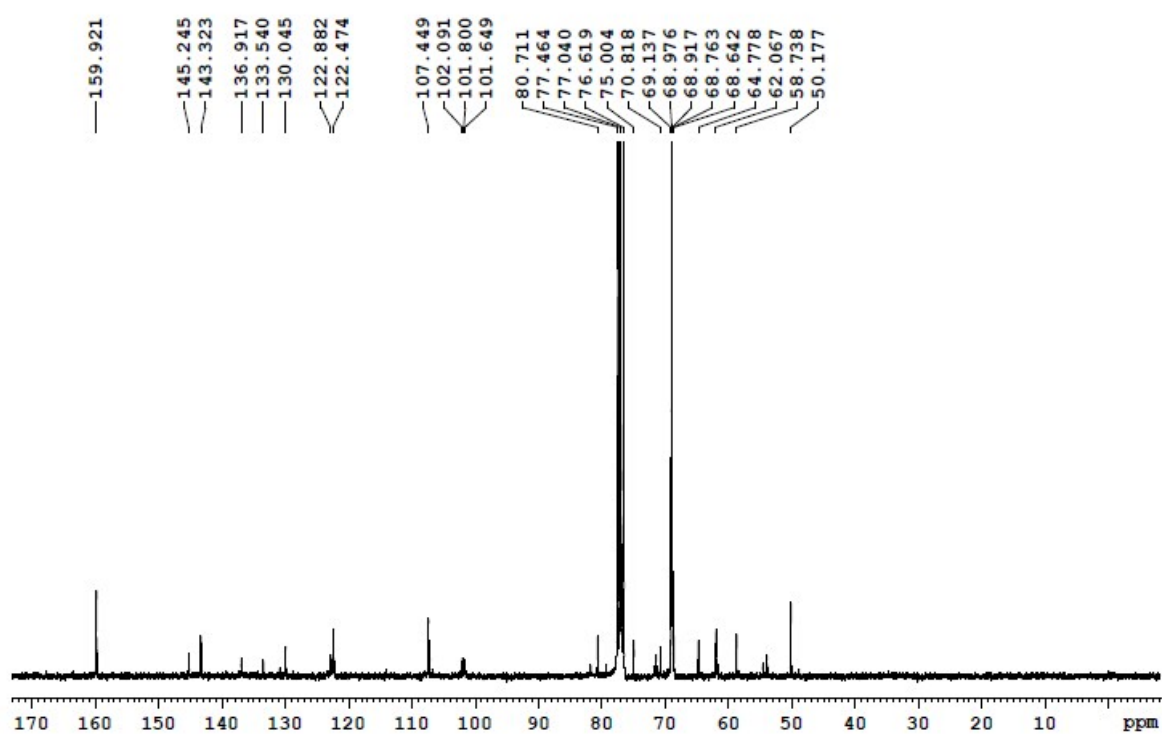
UNIV OF MADRAS



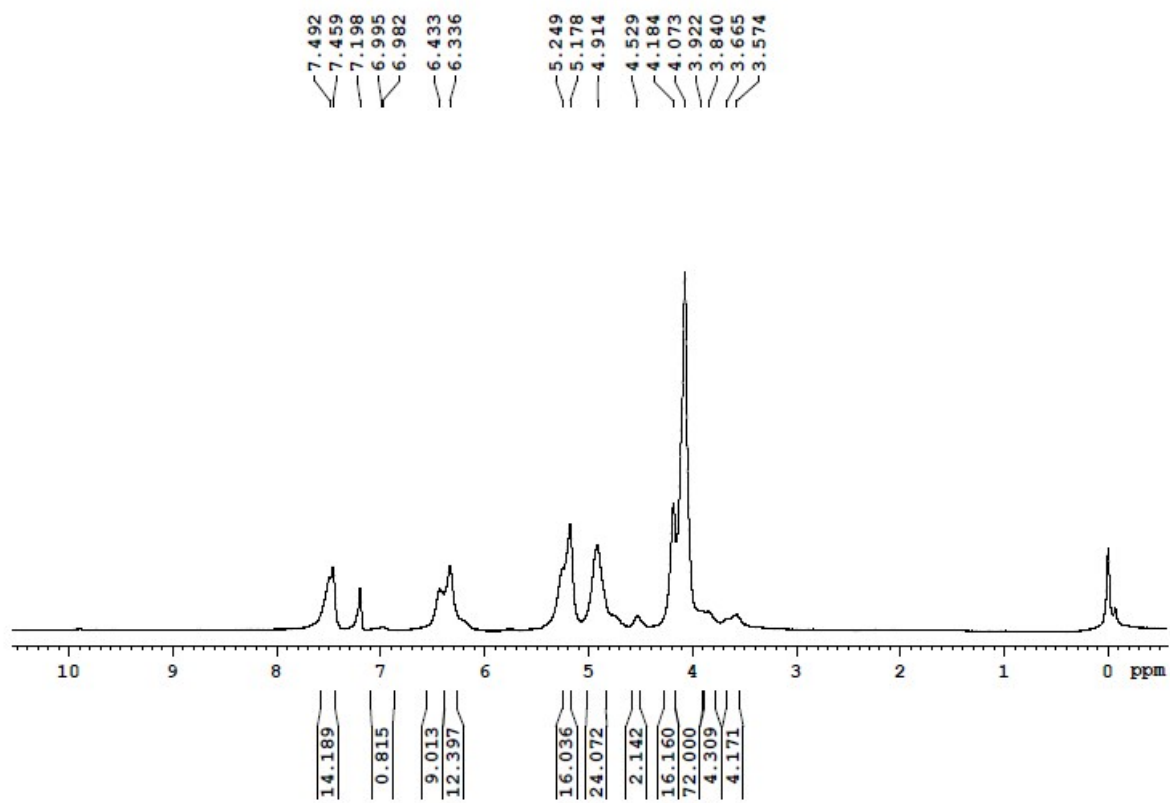
¹³C NMR spectrum (75 MHz, CDCl₃) of ferrocenyl dendrimer 1



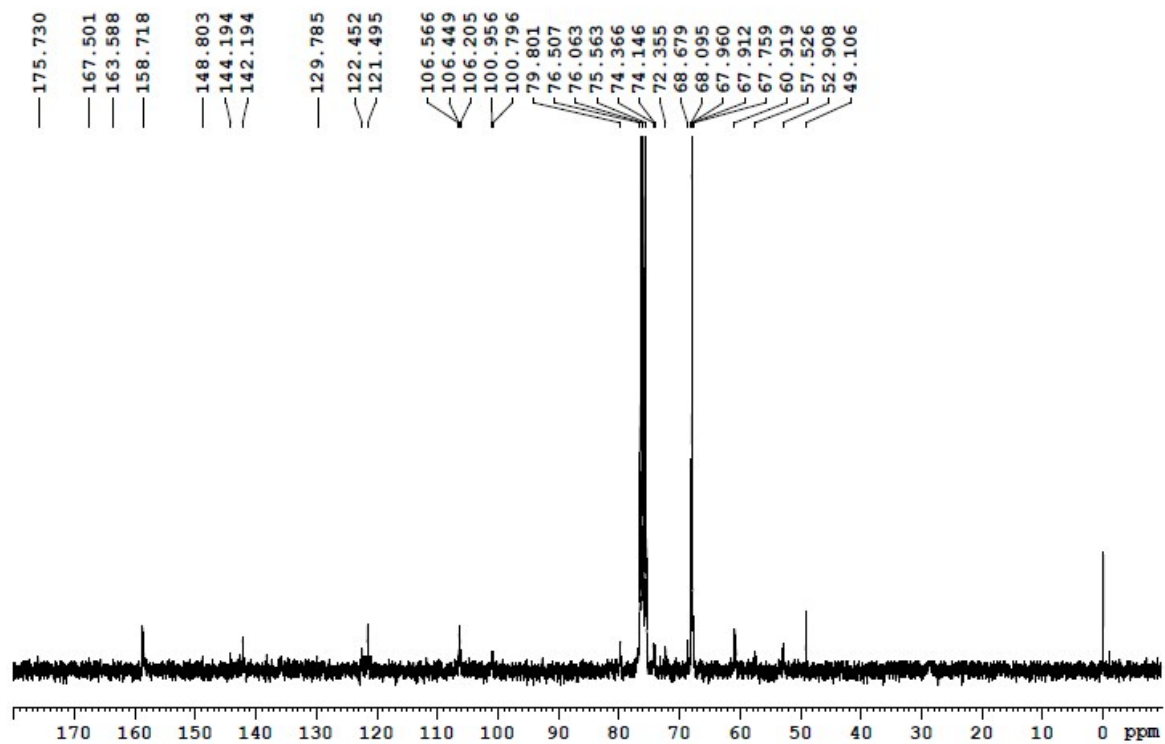
^1H NMR spectrum (300 MHz, CDCl_3) of ferrocenyl dendrimer 2



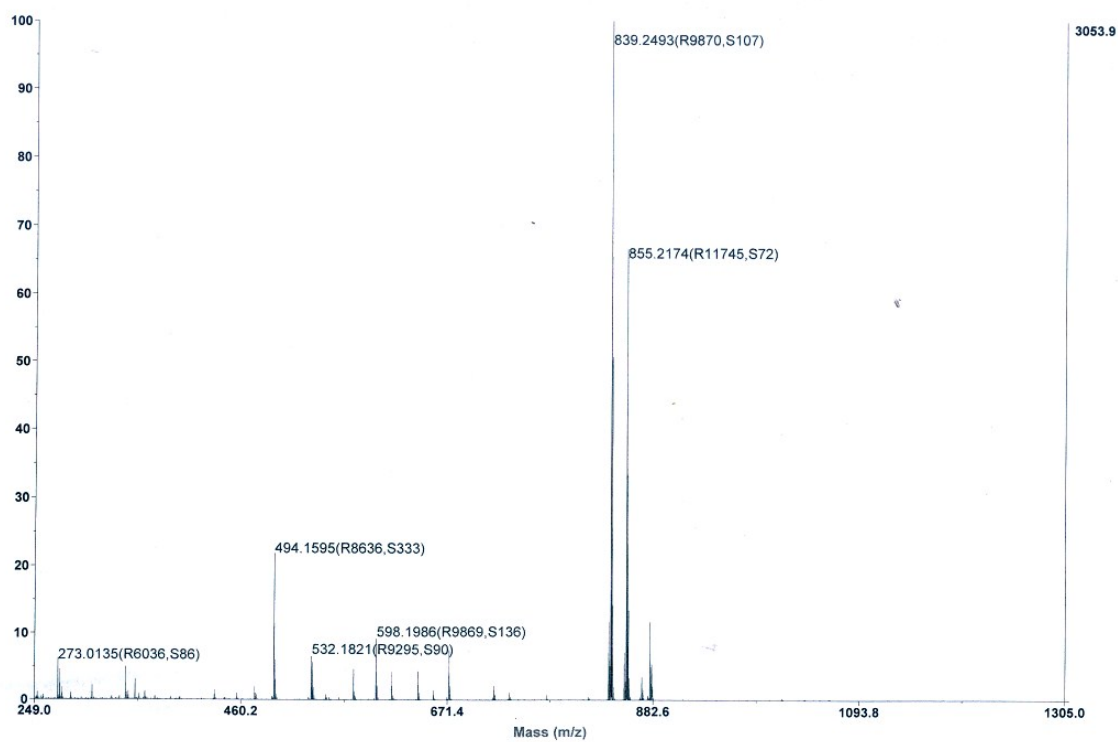
^{13}C NMR spectrum (75 MHz, CDCl_3) of ferrocenyl dendrimer 2



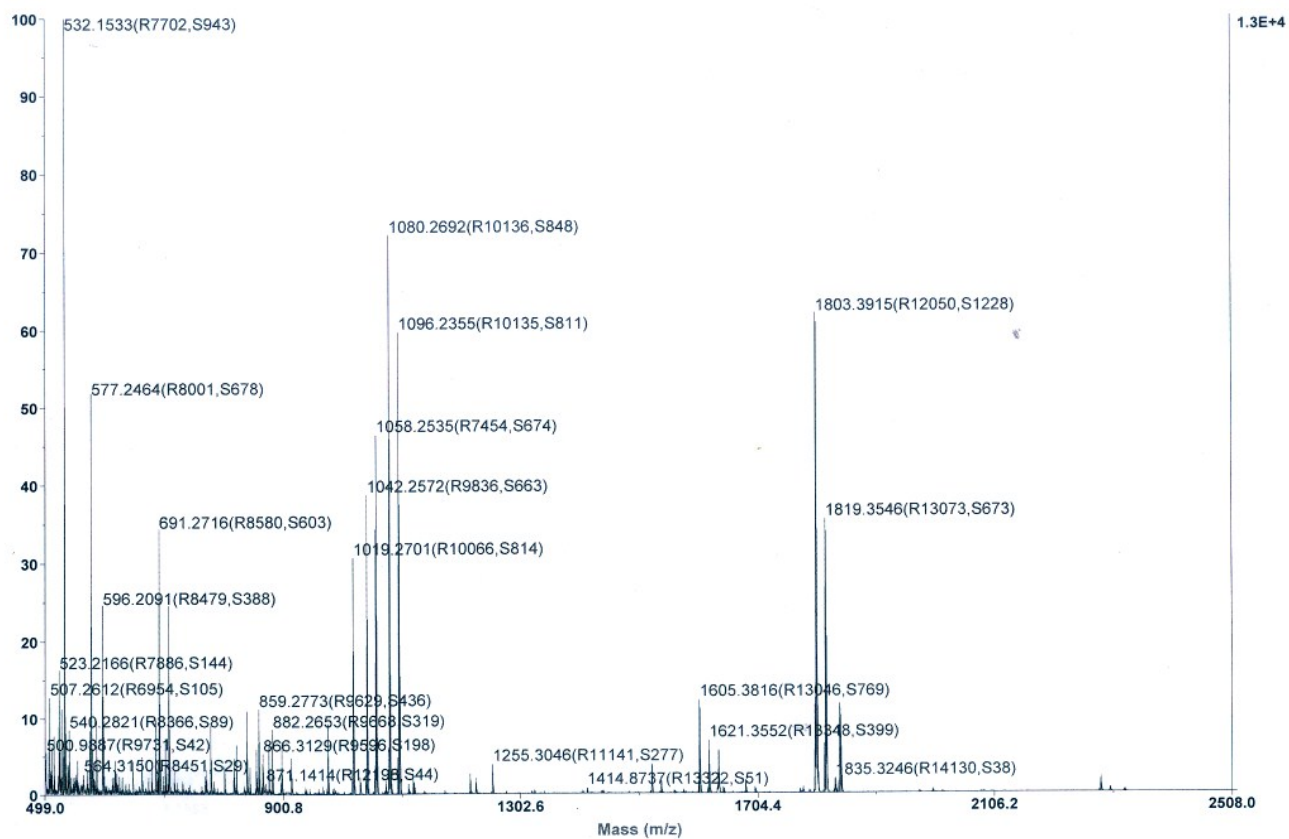
^1H NMR spectrum (300 MHz, CDCl_3) of ferrocenyl dendrimer 3



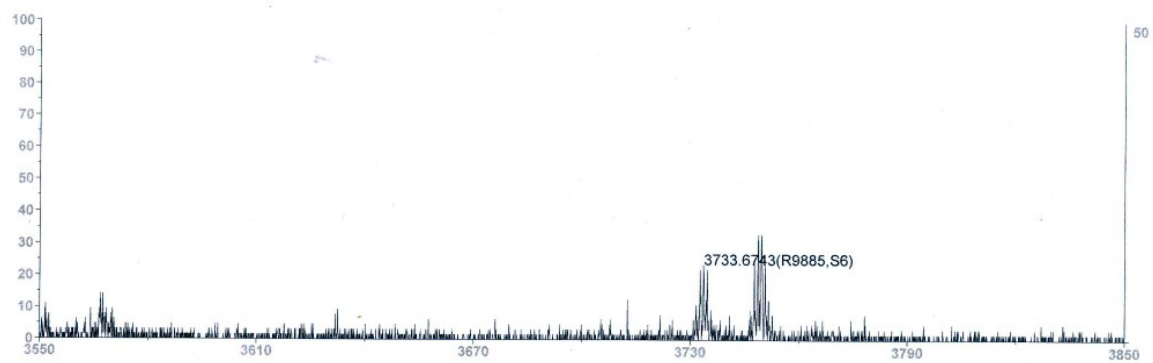
^{13}C NMR spectrum (75 MHz, CDCl_3) of ferrocenyl dendrimer 3



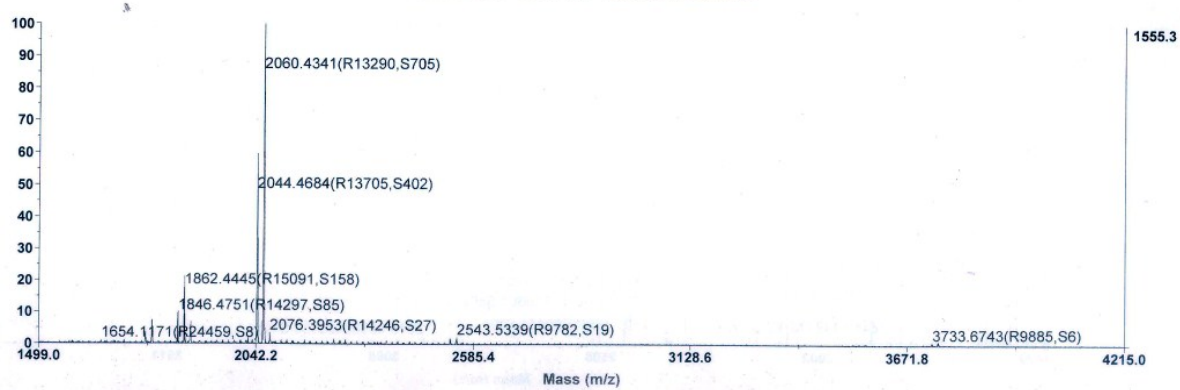
Mass spectrum (MALDI) of ferrocenyl dendrimer 1



Mass spectrum (MALDI) of ferrocenyl dendrimer 2



Accumulated - Shots 500 - IISER-96-1; Label C2



Mass spectrum (MALDI) of ferrocenyl dendrimer 3