

## Supplementary Material

### TosMIC-free synthesis of bempedoic acid, a hypercholesterolemia drug

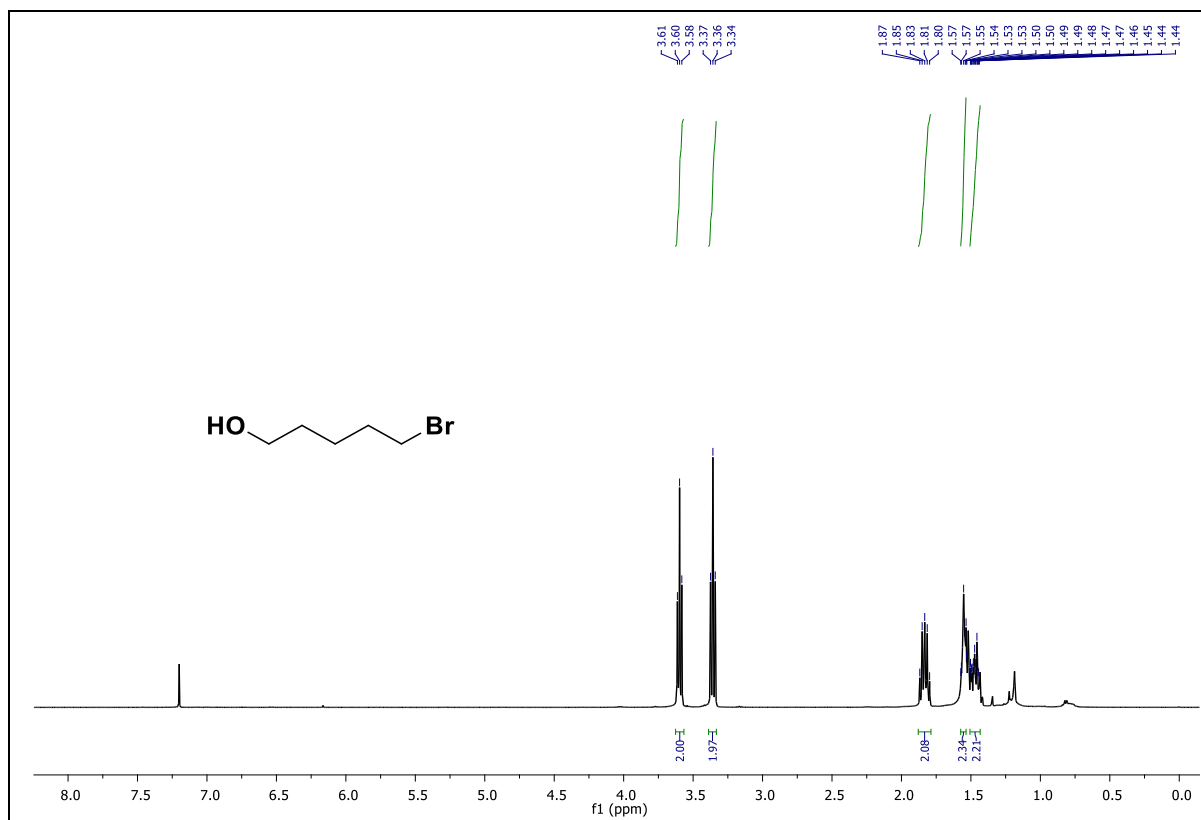
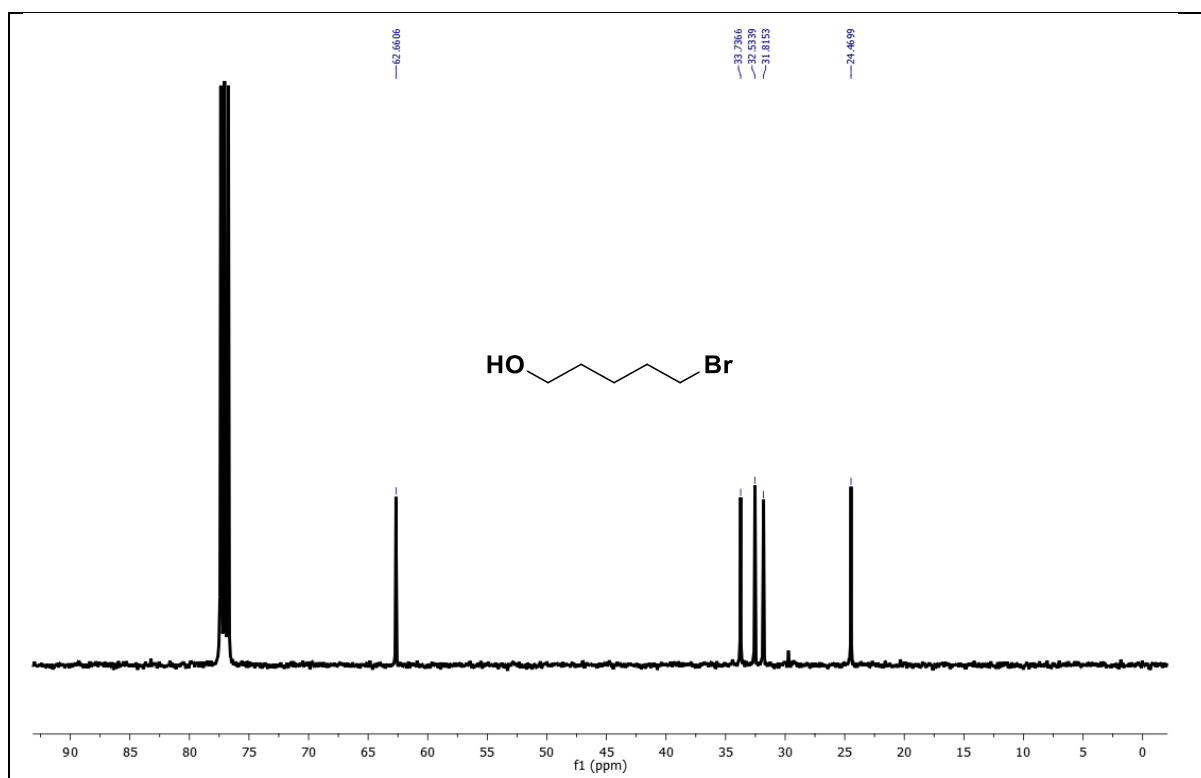
Rachel Gundamalla,<sup>a,b</sup> Rajashaker Bantu,<sup>a</sup> B. V. Subba Reddy\*<sup>a</sup>

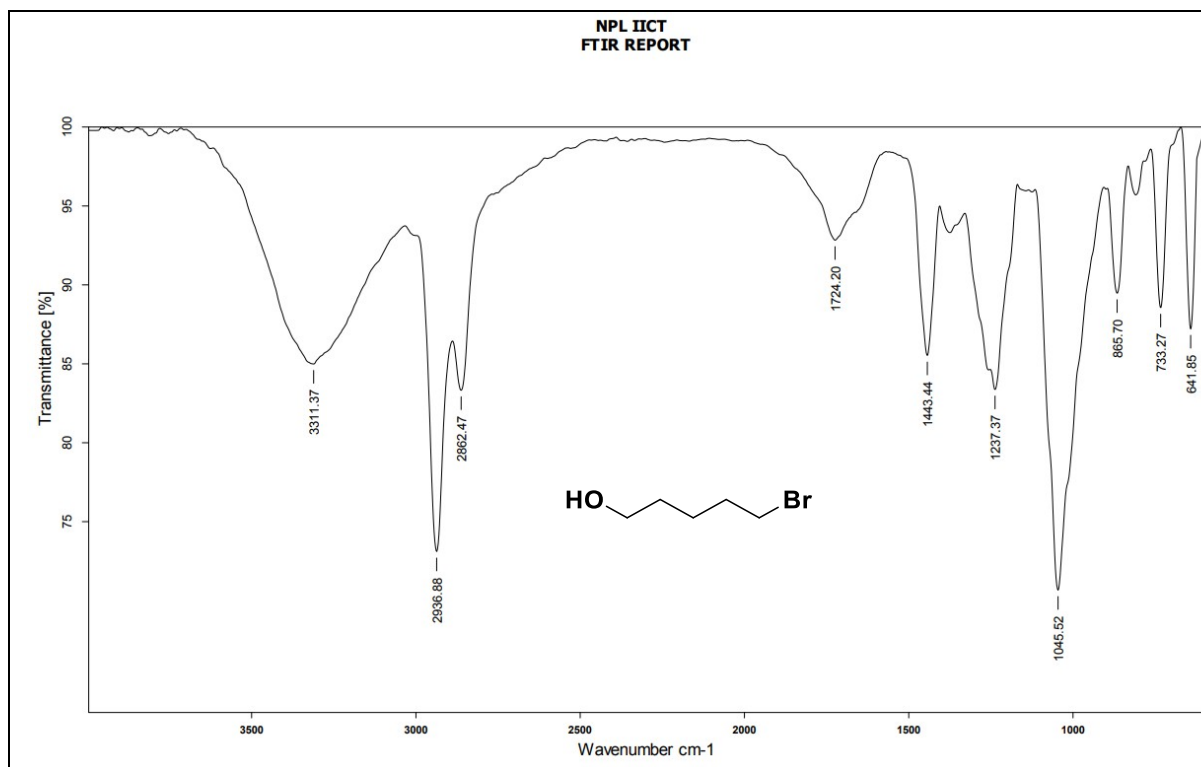
<sup>a</sup>*Fluoro & Agrochemicals, CSIR-Indian Institute of Chemical Technology, Hyderabad–500  
007, India*

<sup>b</sup>*Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, 201002, India*  
E-mail: [basireddy@iict.res.in](mailto:basireddy@iict.res.in)

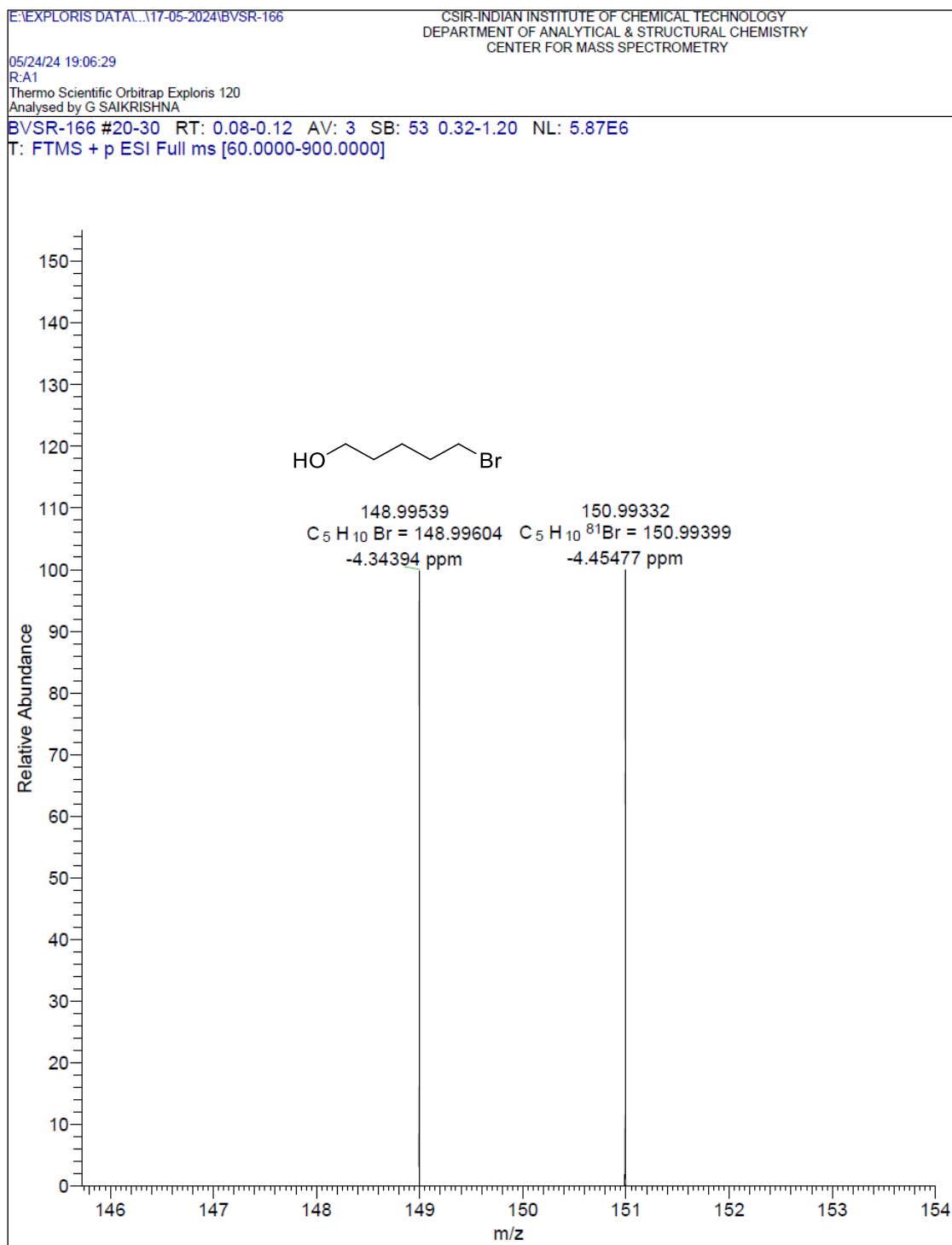
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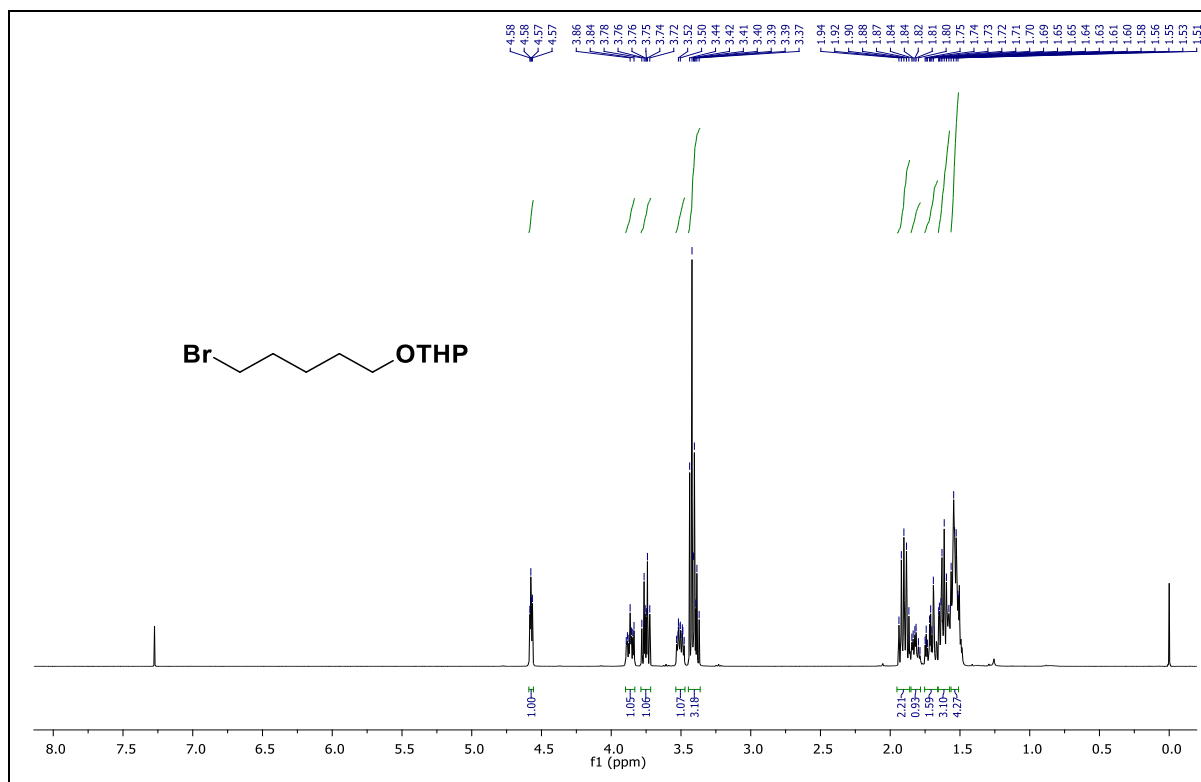
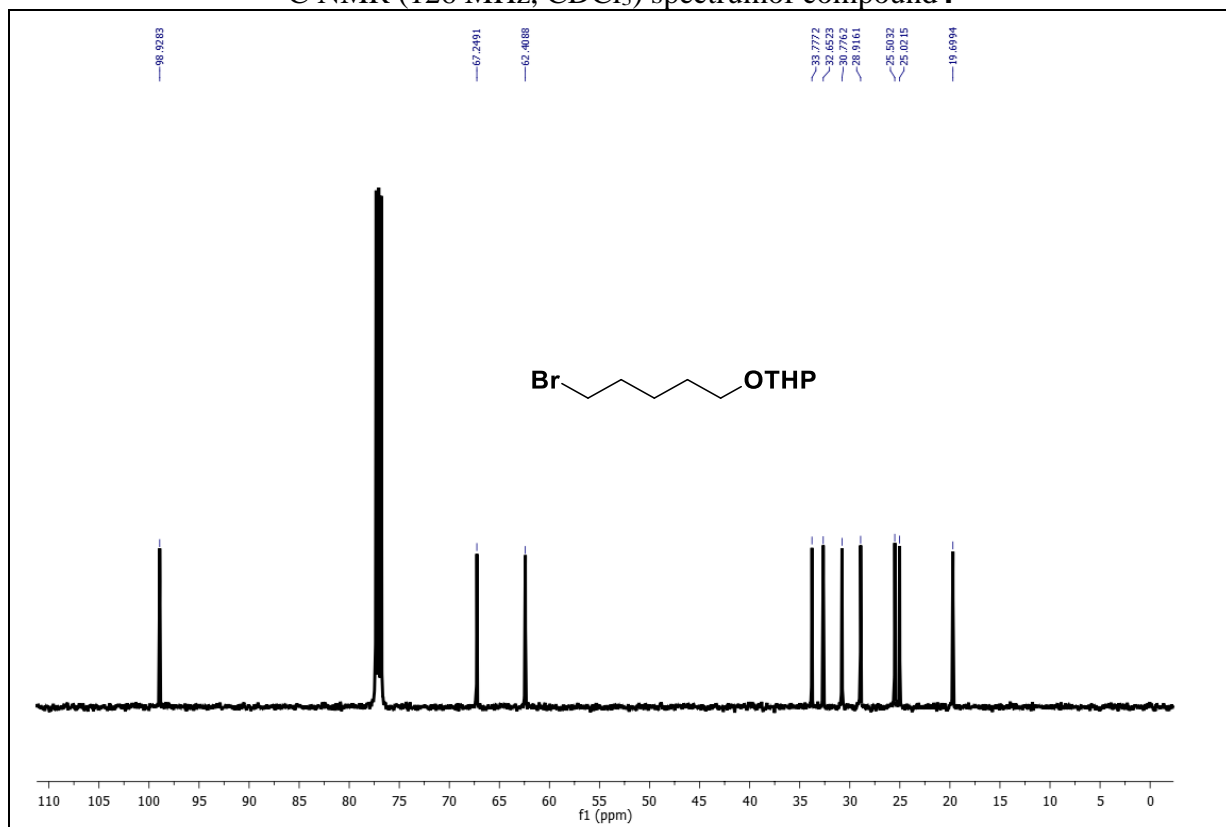
Copies of <sup>1</sup>H, <sup>13</sup>C NMR, FTIR and HRMS spectra of products.....S2

1.  $^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ ) spectrum of compound **3** $^{13}\text{C}$  NMR (101 MHz,  $\text{CDCl}_3$ ) spectrum of compound **3**

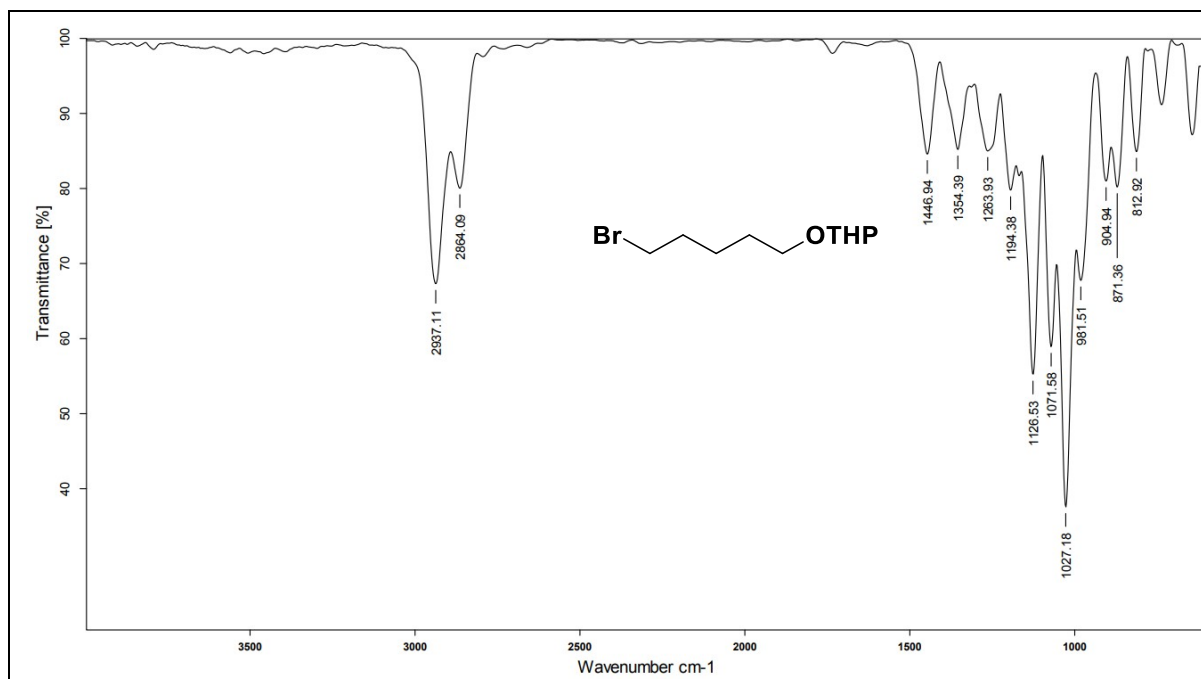
FT-IR spectrum of compound **3**

## HRMS of compound 3

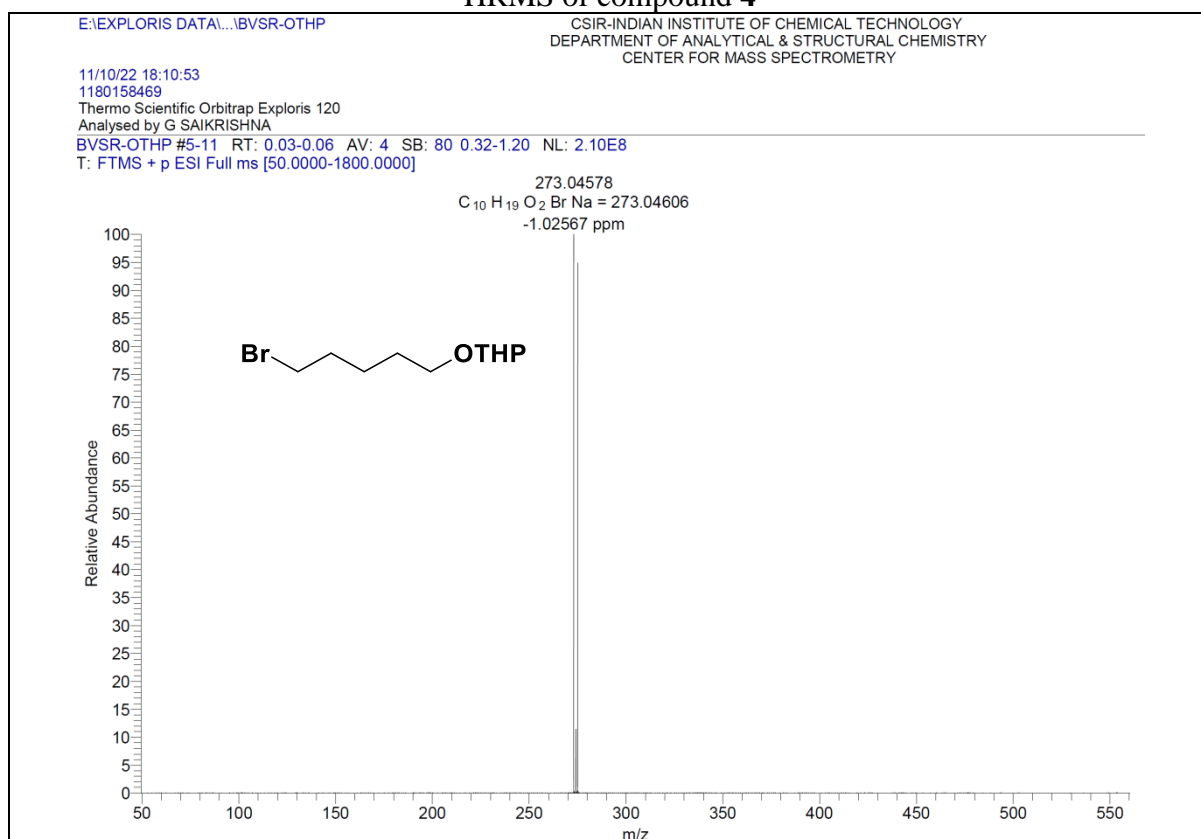


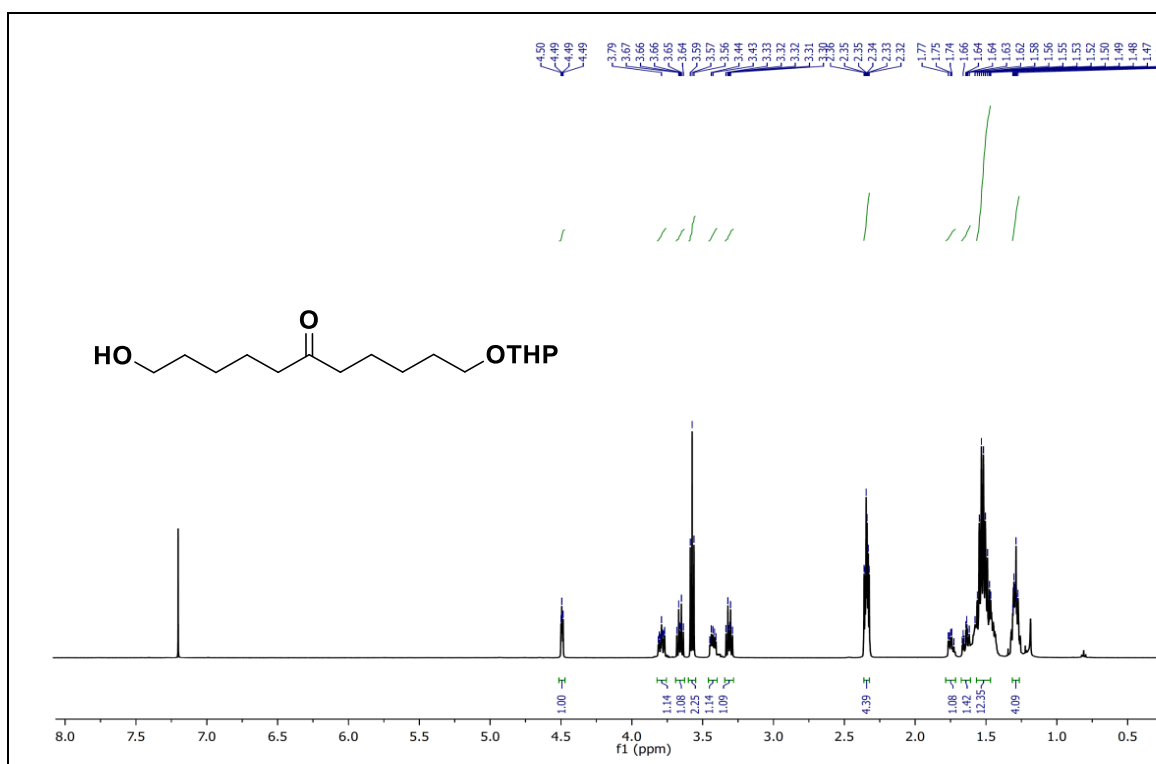
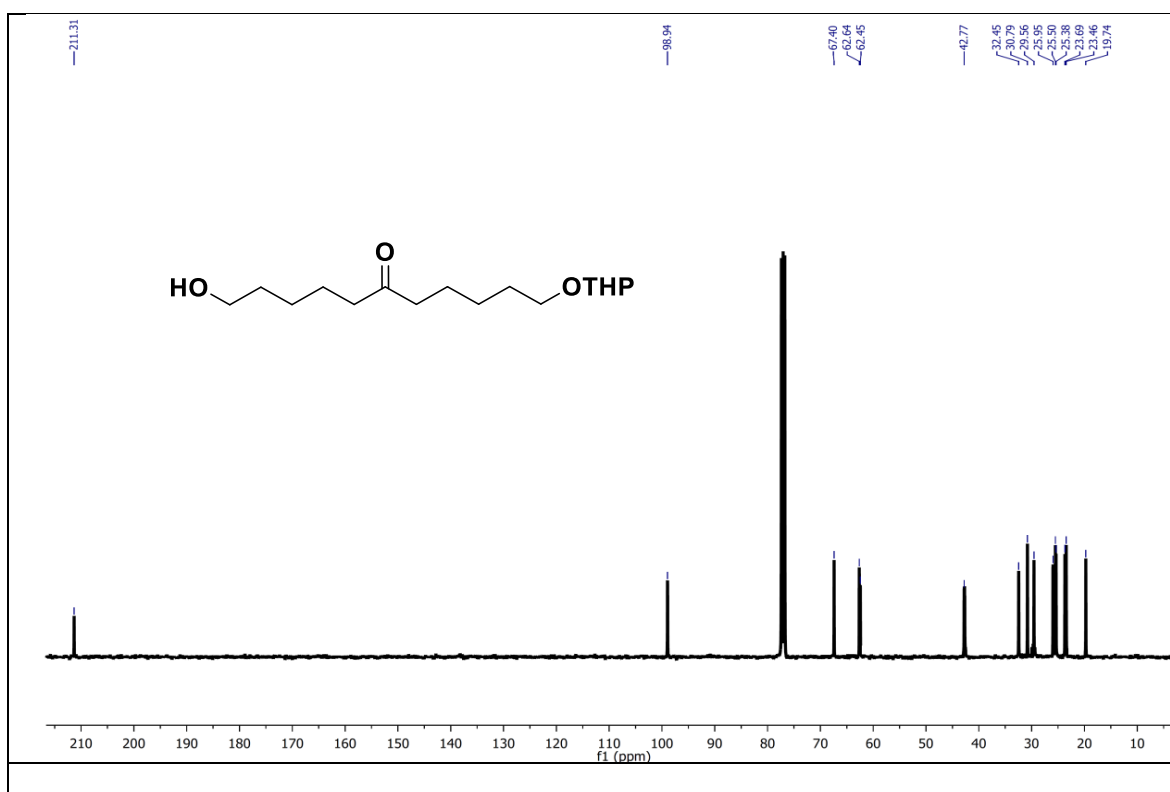
$^1\text{H}$ NMR (400 MHz,  $\text{CDCl}_3$ ) spectrum of compound 4 $^{13}\text{C}$  NMR (126 MHz,  $\text{CDCl}_3$ ) spectrum of compound 4

## FT-IR spectrum of compound 4

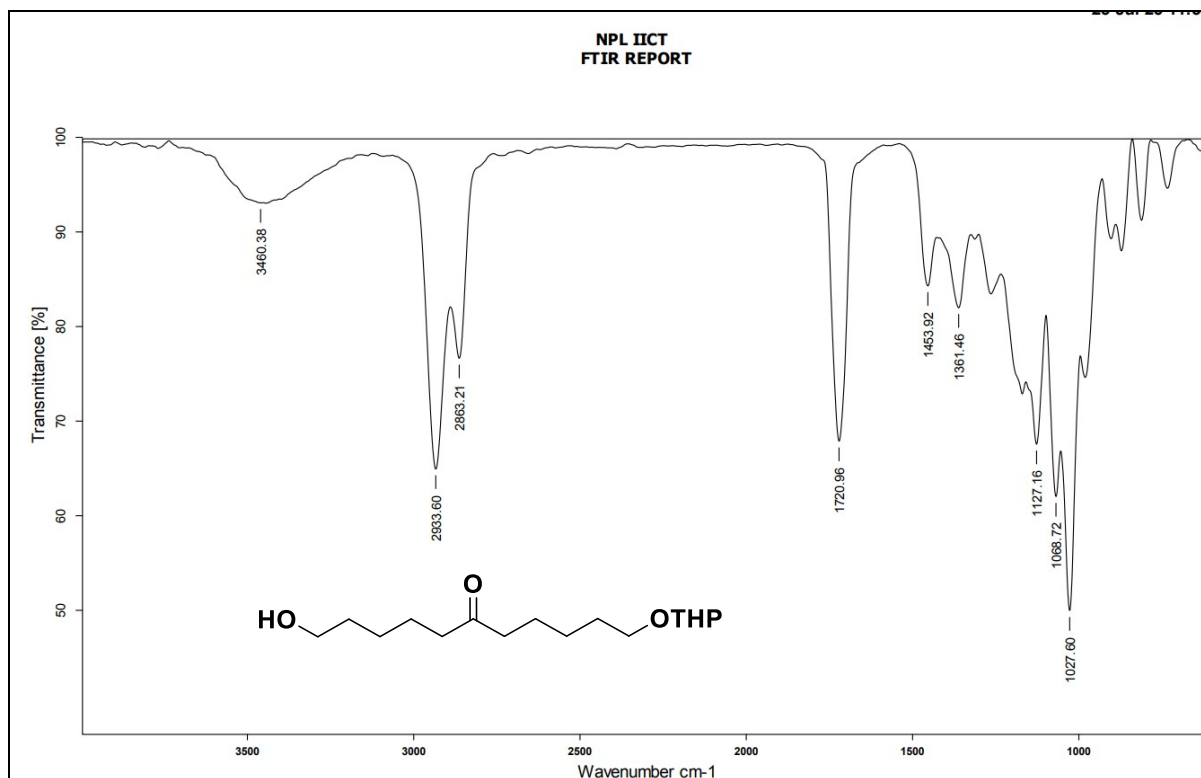


## HRMS of compound 4

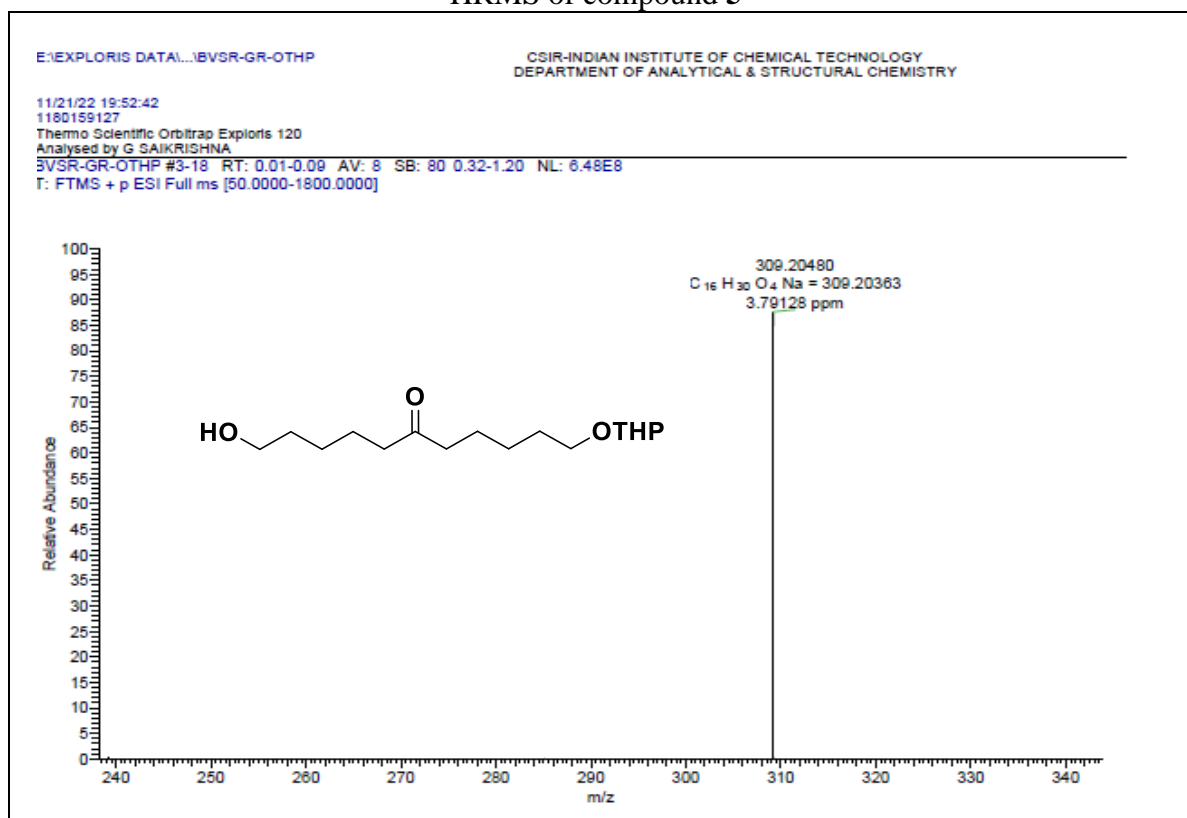


$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ ) spectrum of compound **5** $^{13}\text{C}$  NMR (101 MHz,  $\text{CDCl}_3$ ) spectrum of compound **5**

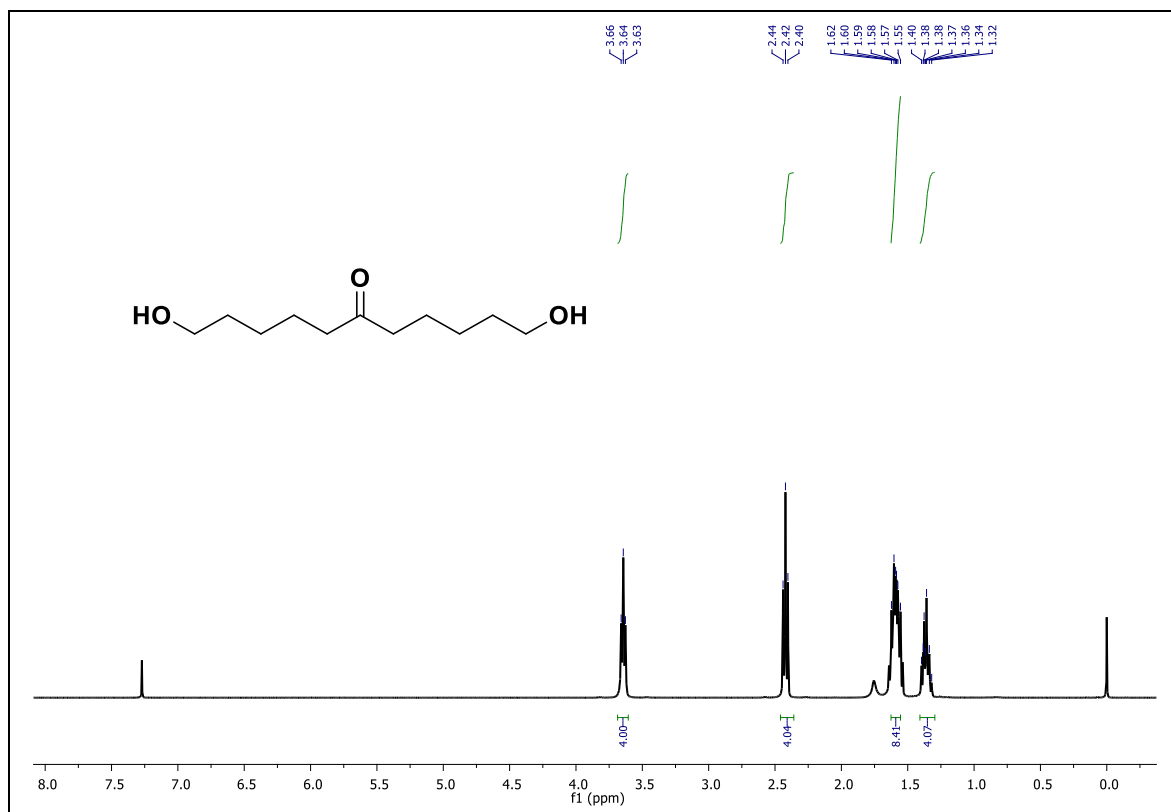
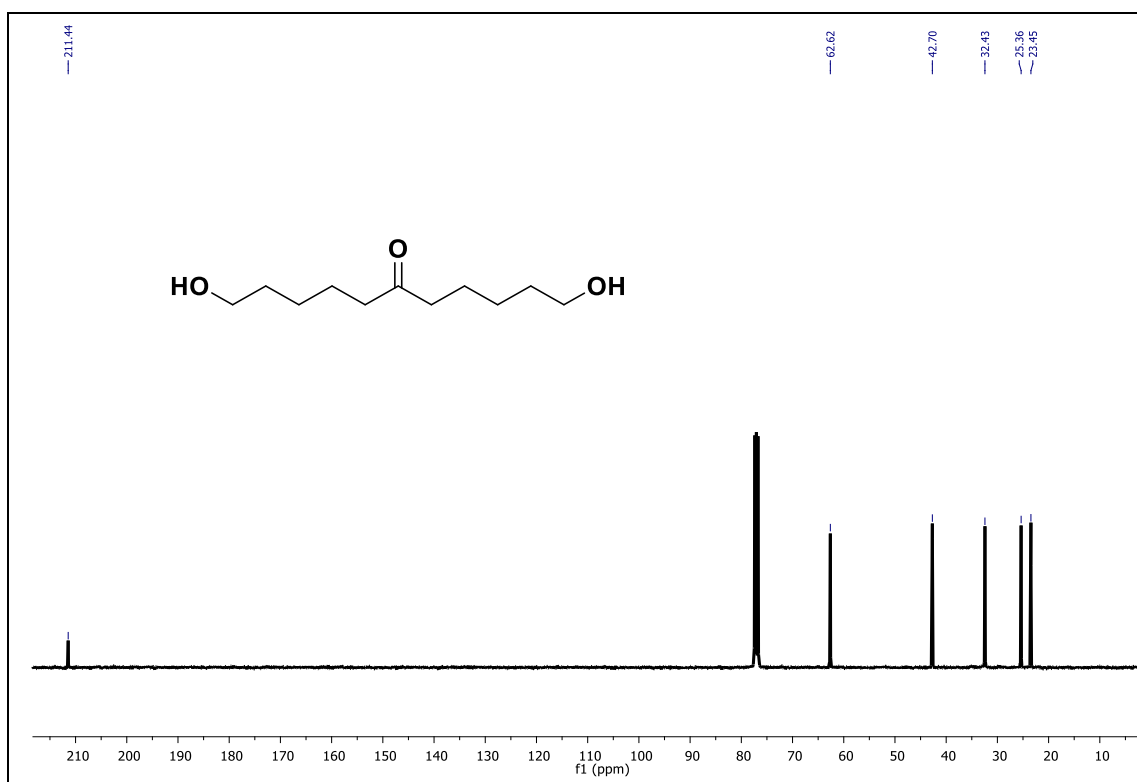
## FT-IR spectrum of compound 5

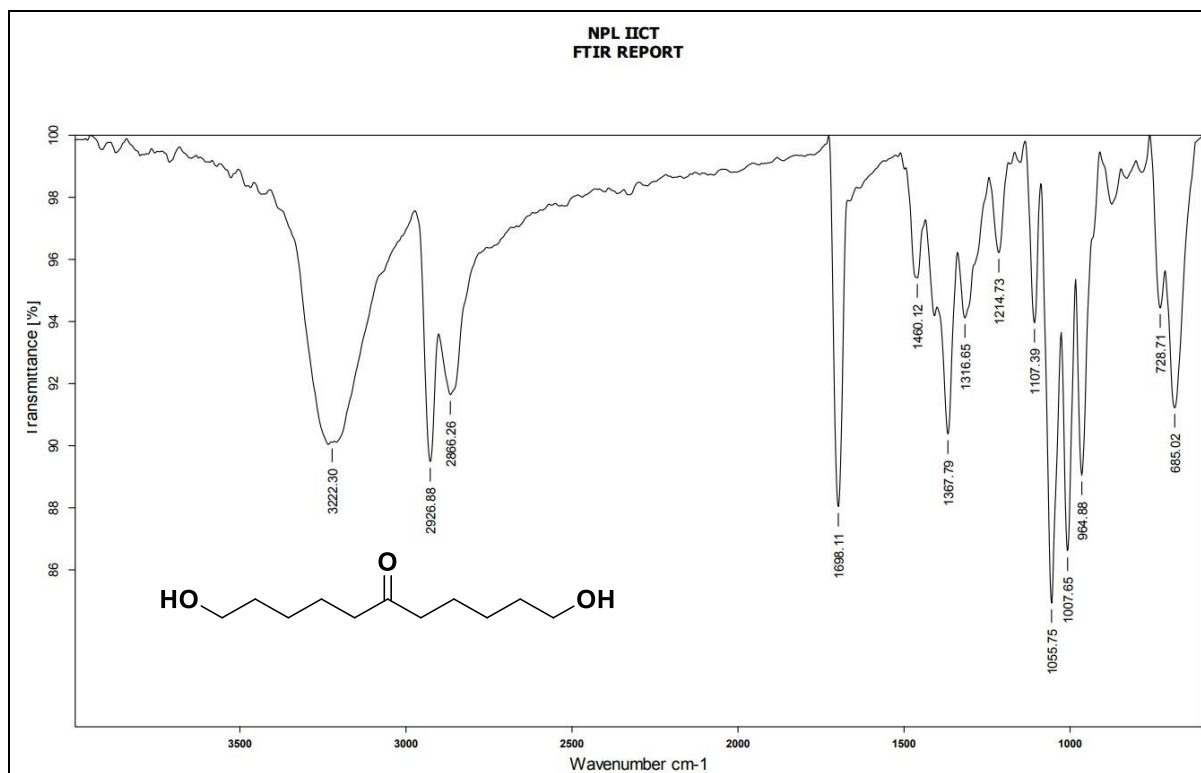
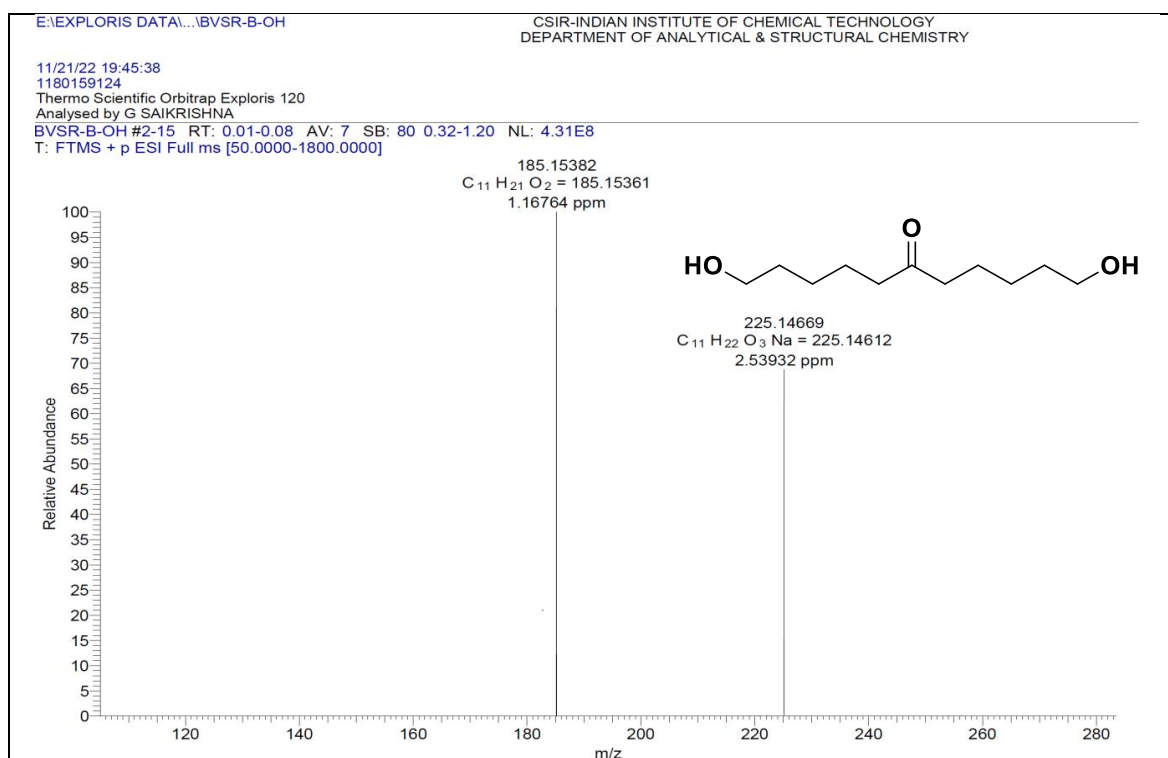


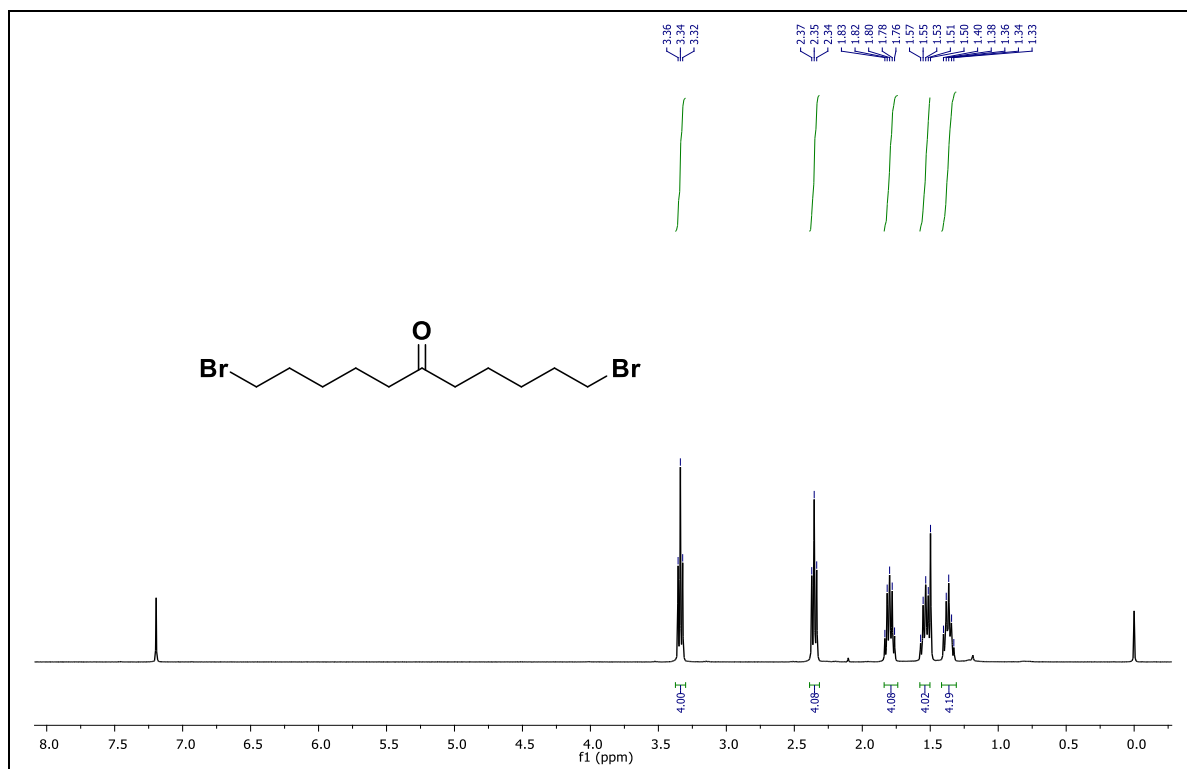
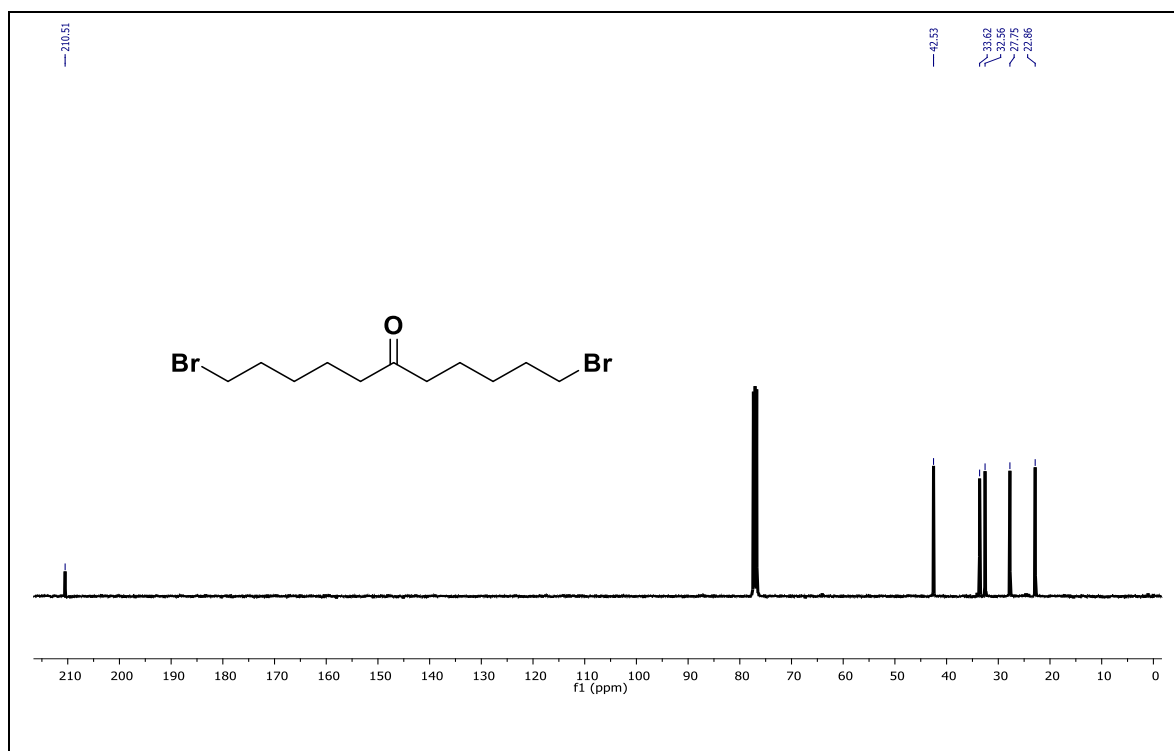
## HRMS of compound 5



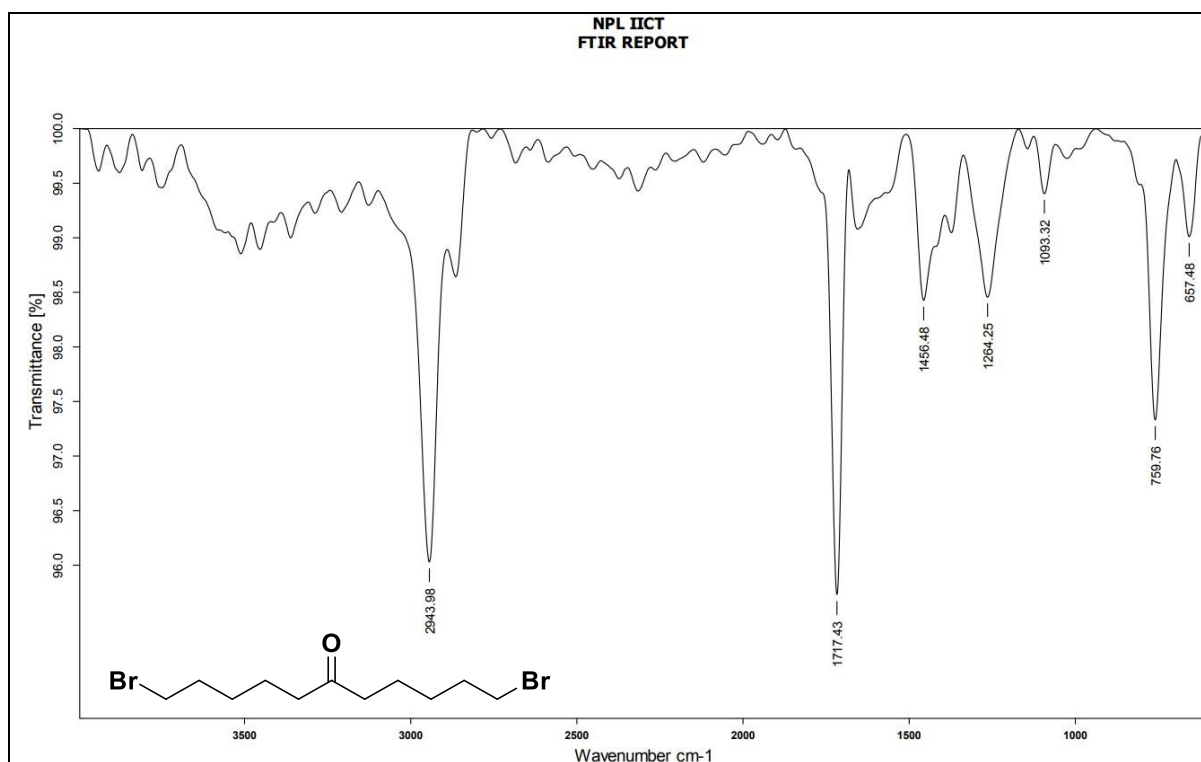


$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ ) spectrum of compound **6** $^{13}\text{C}$  NMR (101 MHz,  $\text{CDCl}_3$ ) spectrum of compound **6**

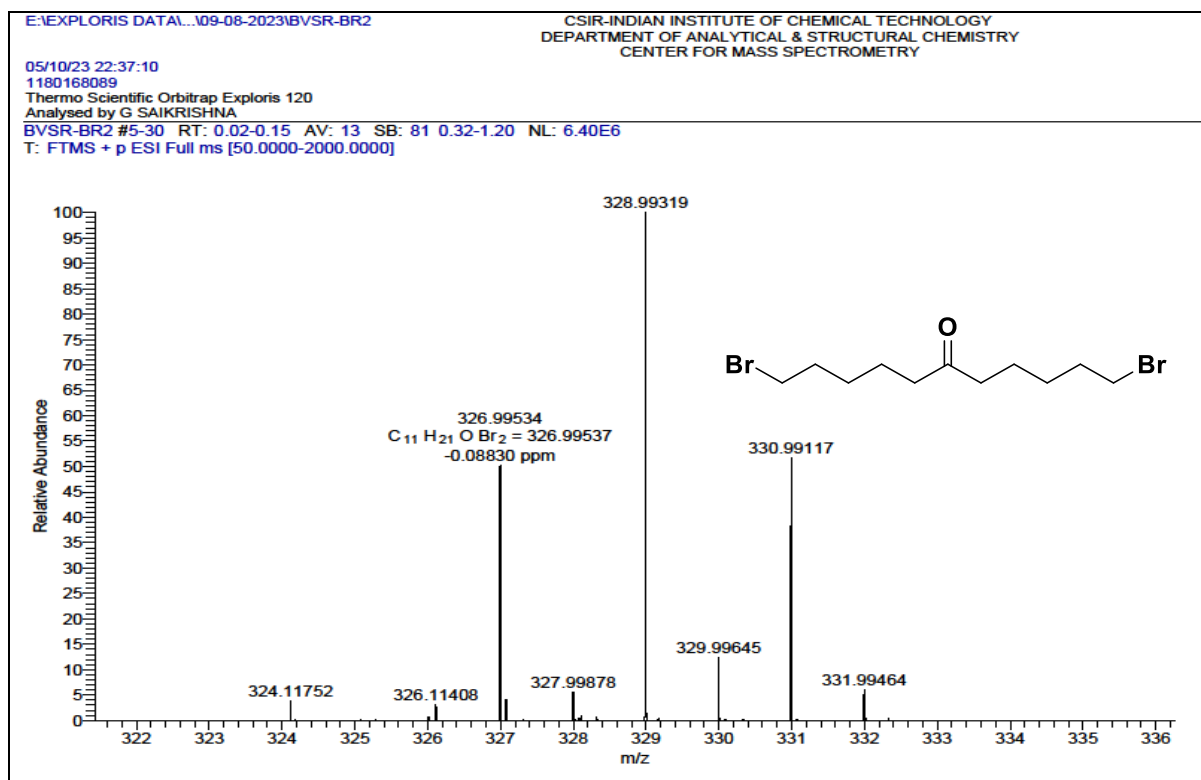
FT-IR spectrum of compound **6**HRMS of compound **6**

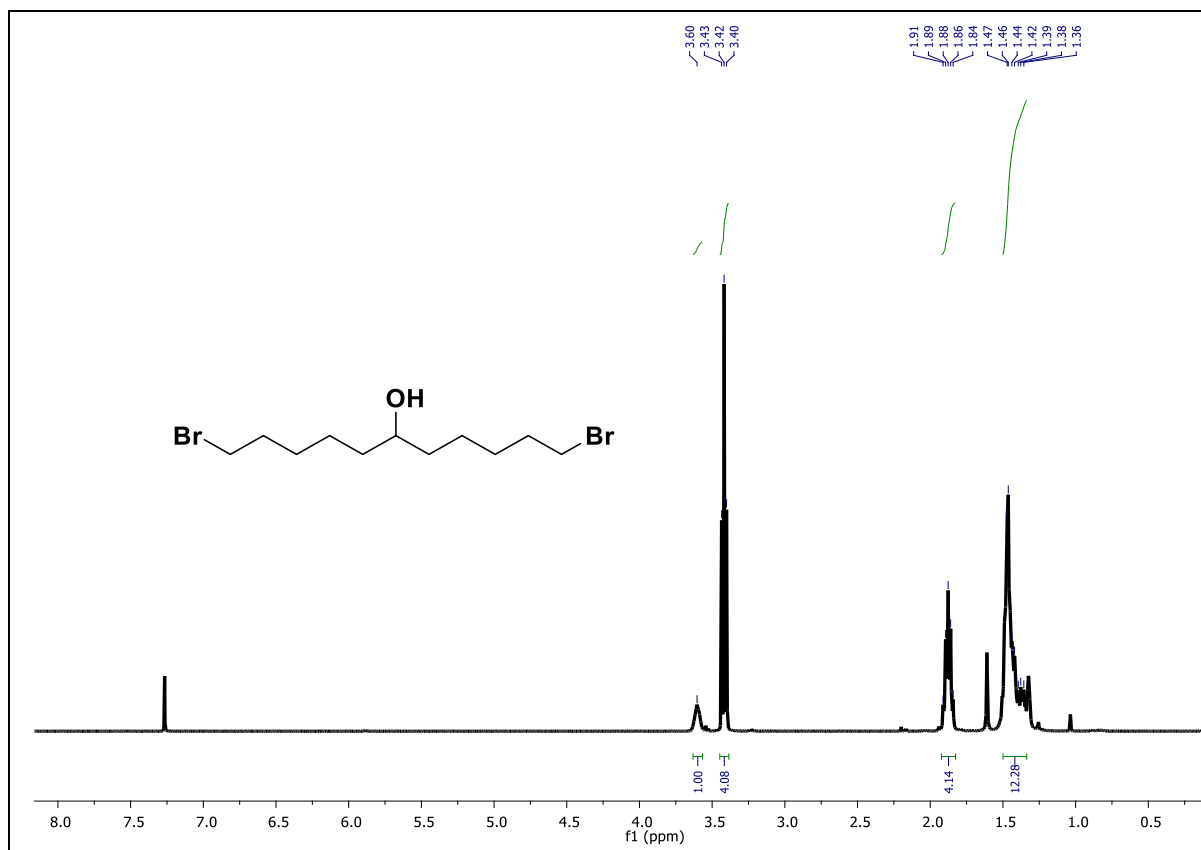
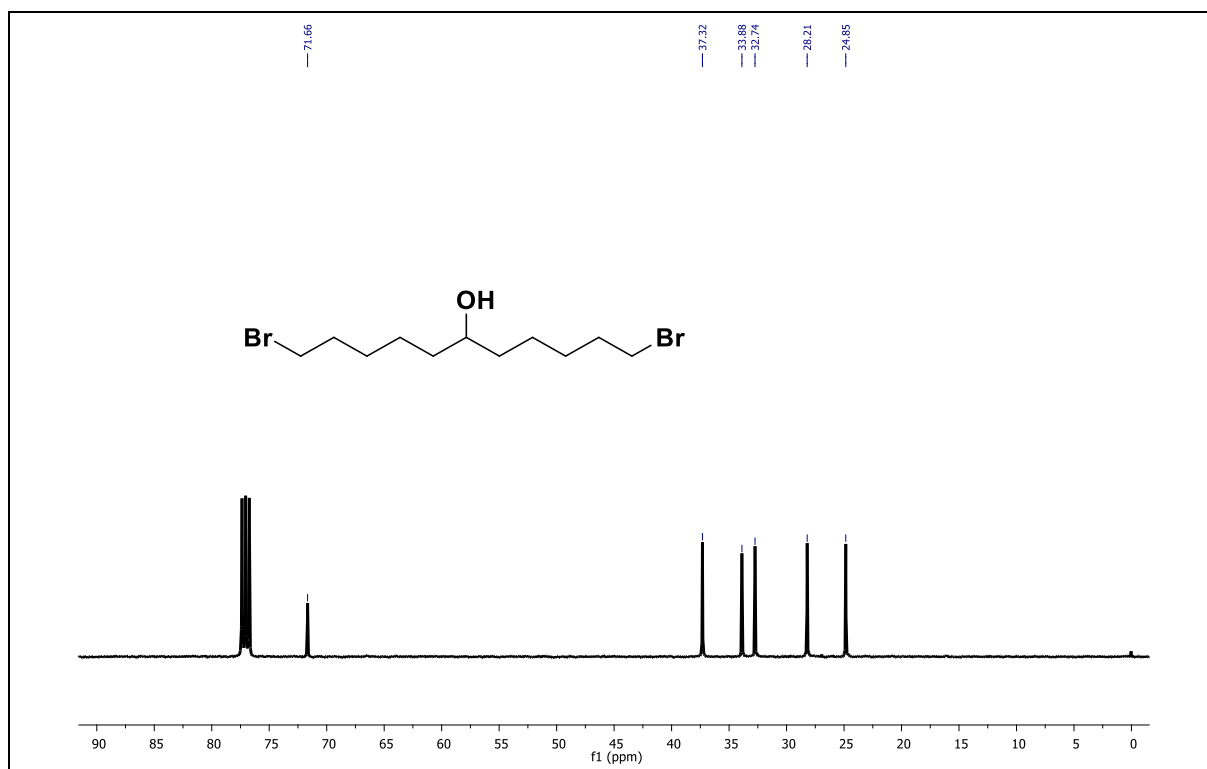
$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ ) spectrum of compound **7** $^{13}\text{C}$  NMR (101 MHz,  $\text{CDCl}_3$ ) spectrum of compound **7**

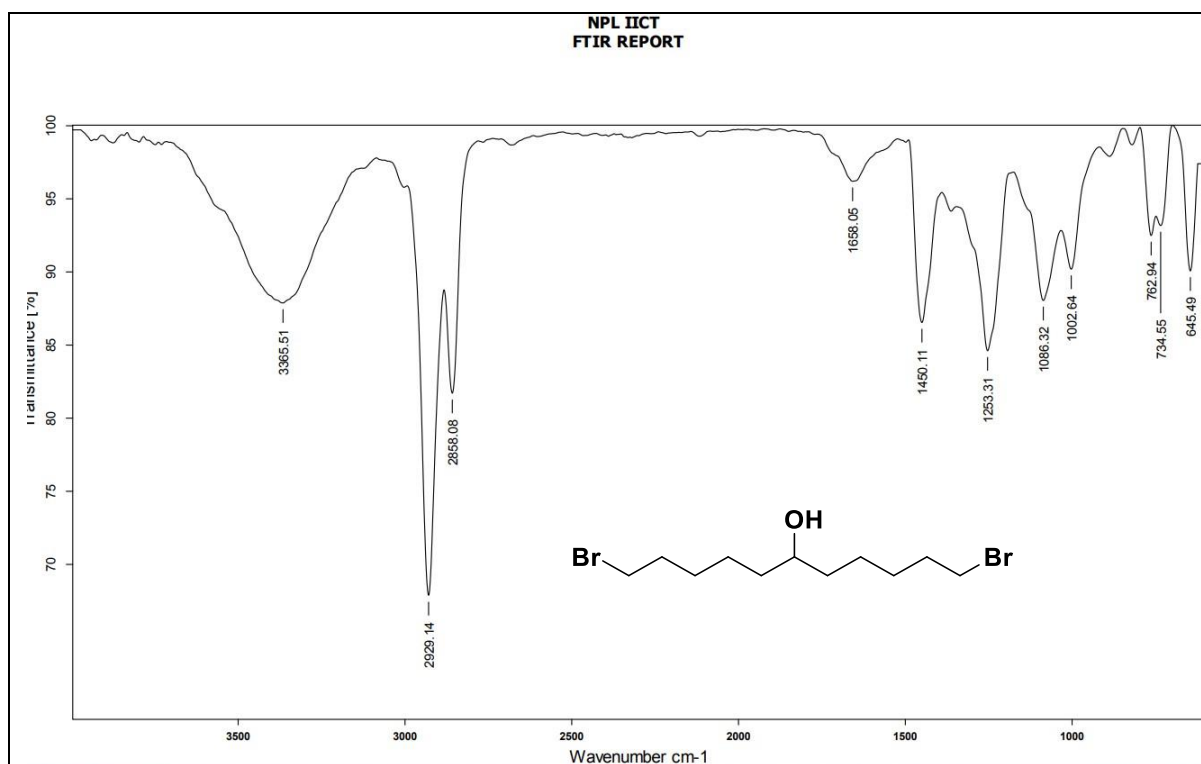
## FT-IR spectrum of compound 7

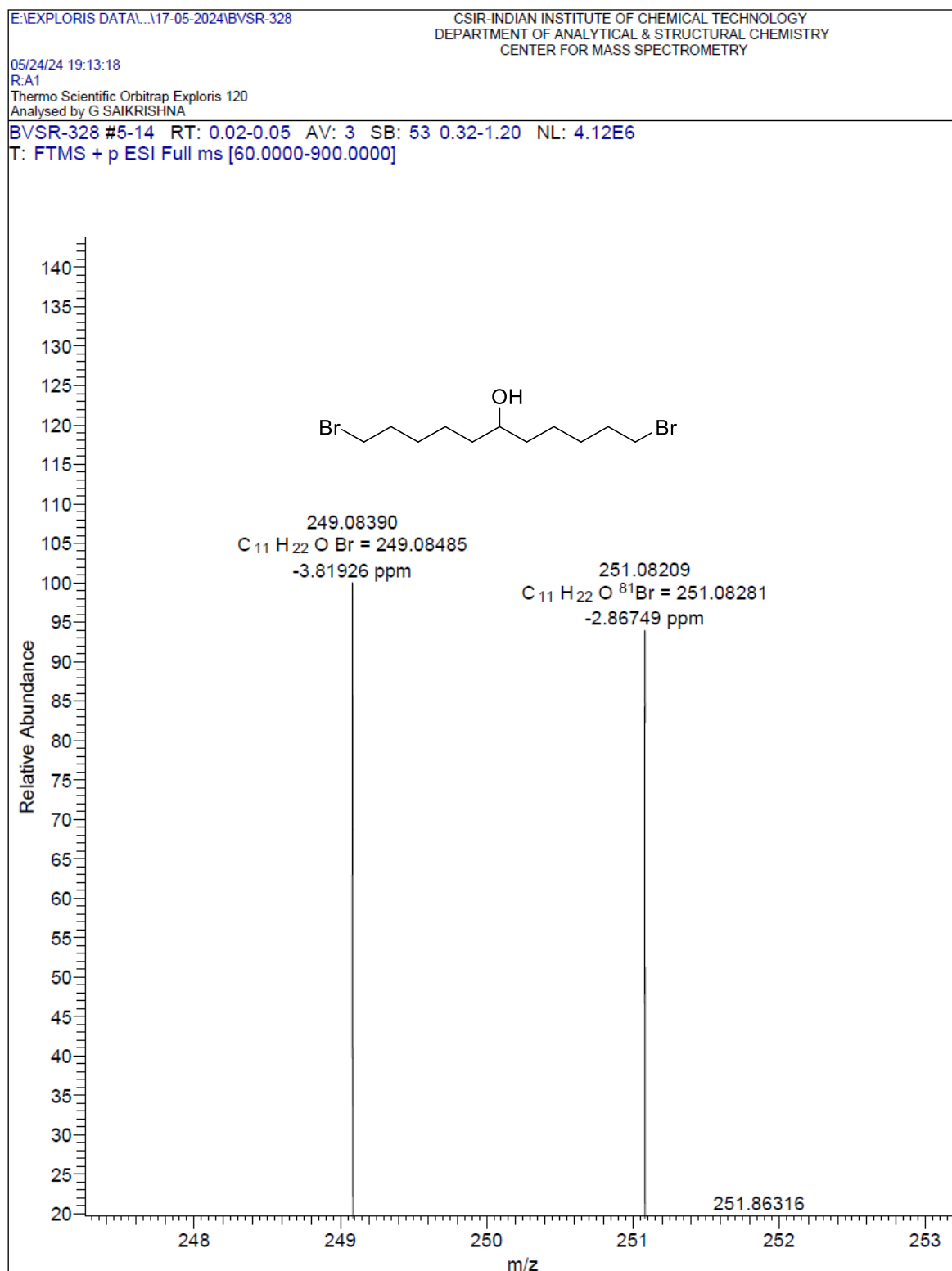


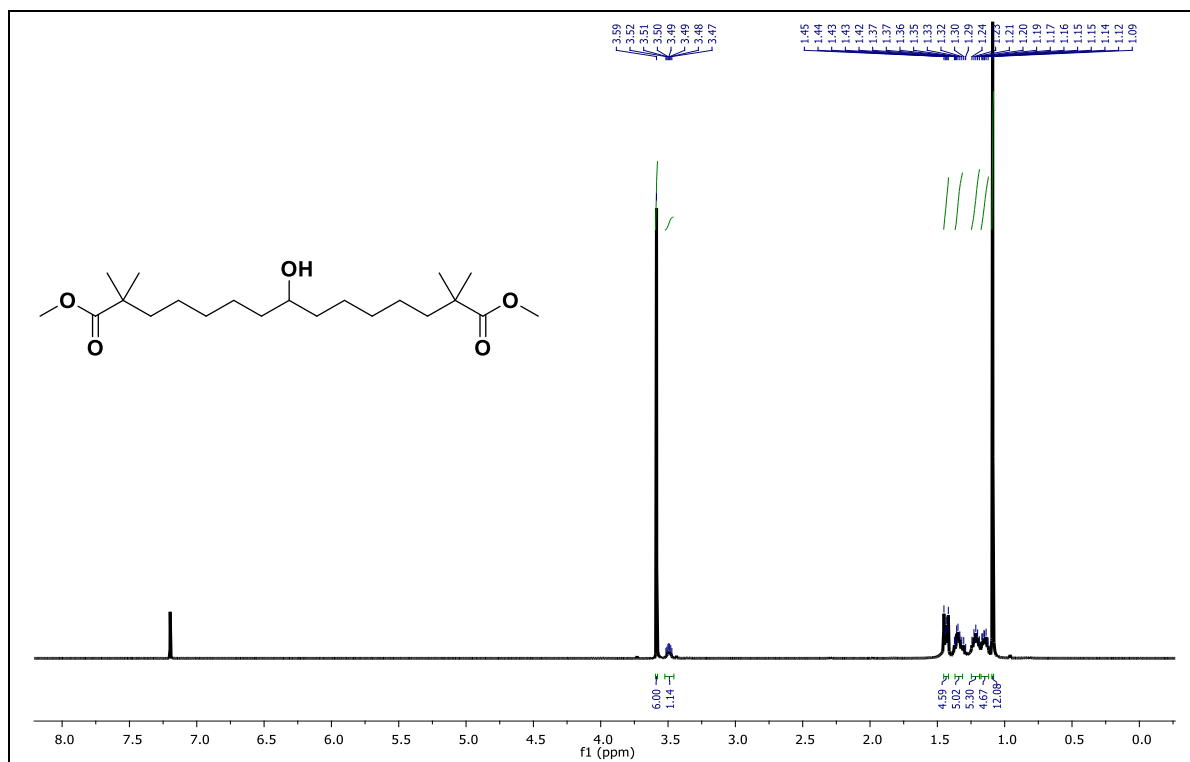
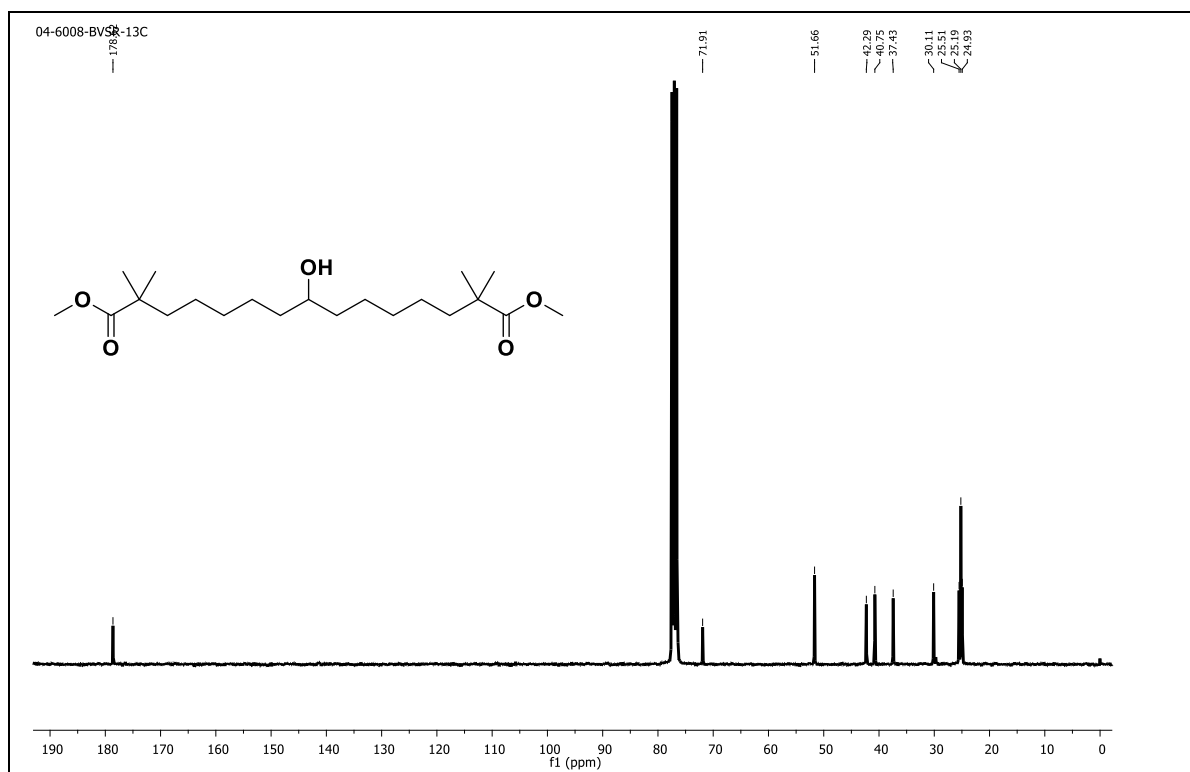
## HRMS of compound 7



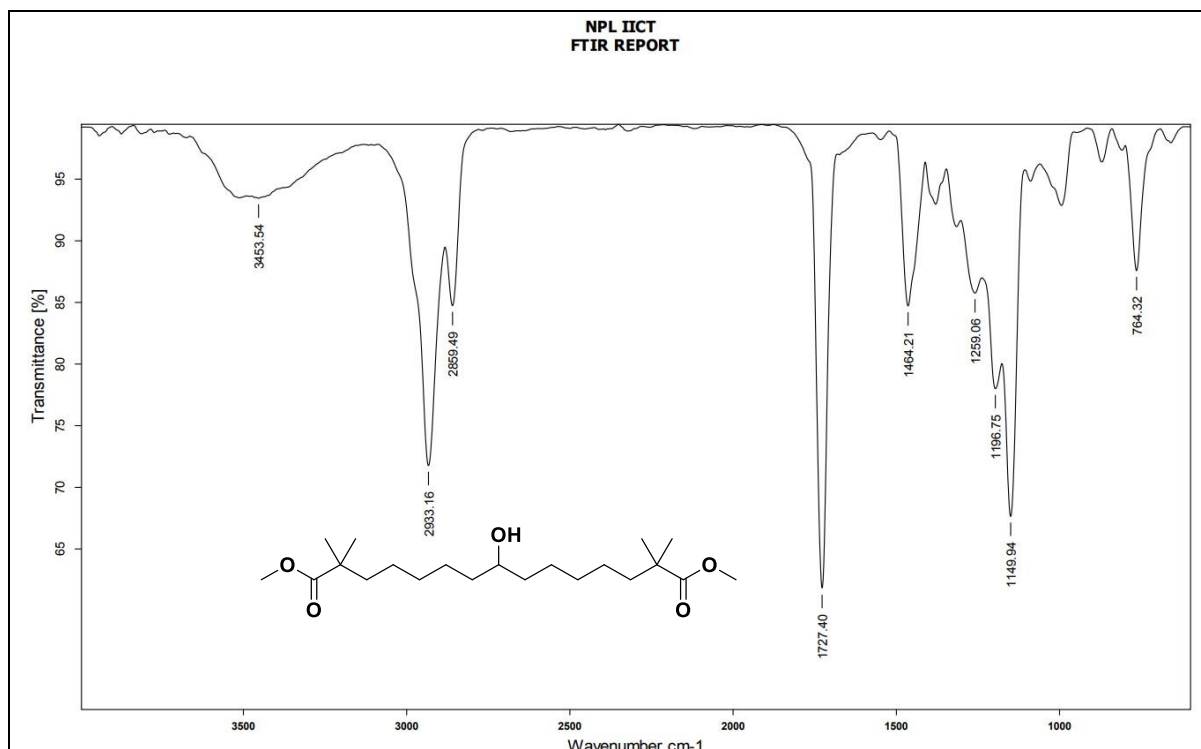
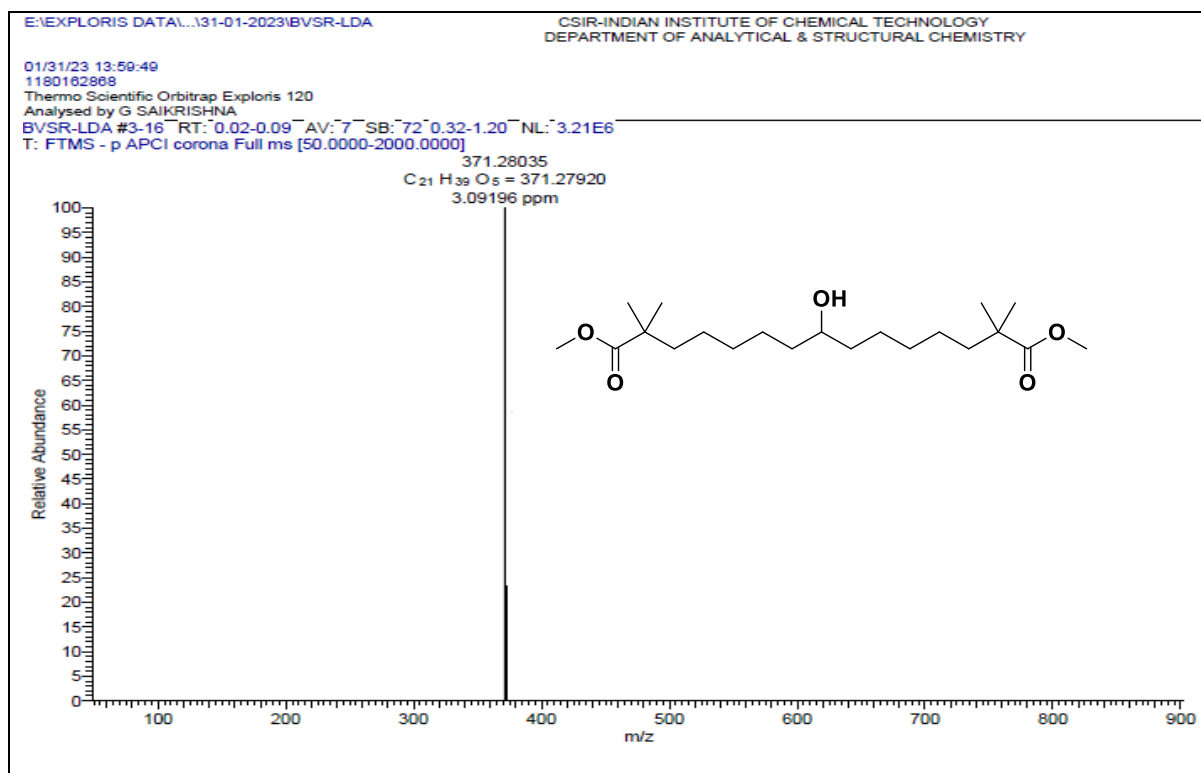
$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ ) spectrum of compound **8** $^{13}\text{C}$  NMR (101 MHz,  $\text{CDCl}_3$ ) spectrum of compound **8**

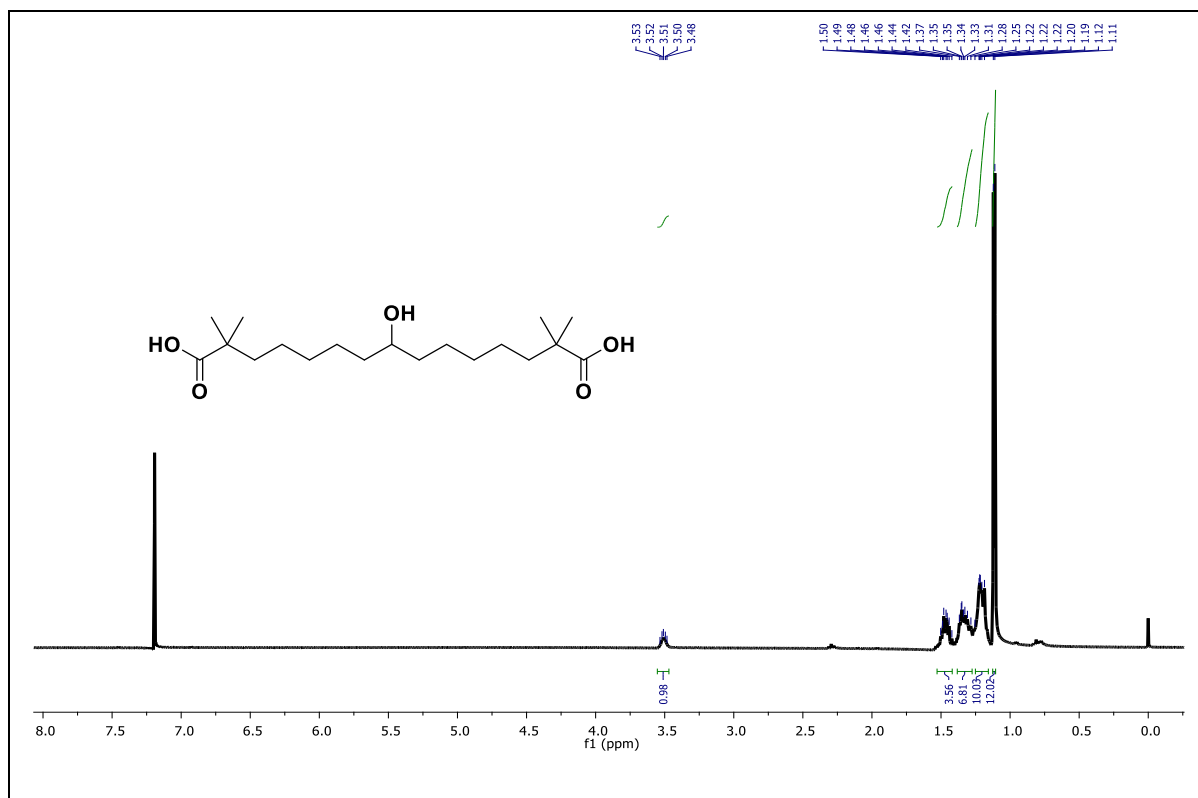
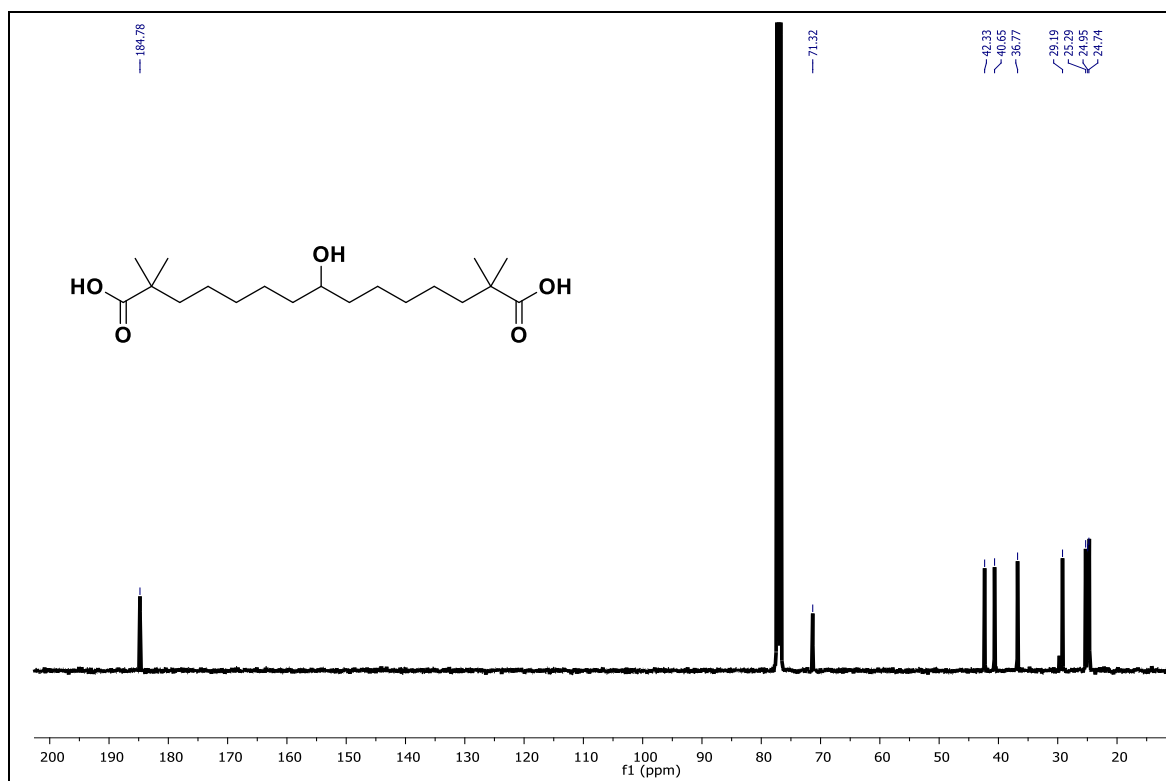
FT-IR spectrum of compound **8**

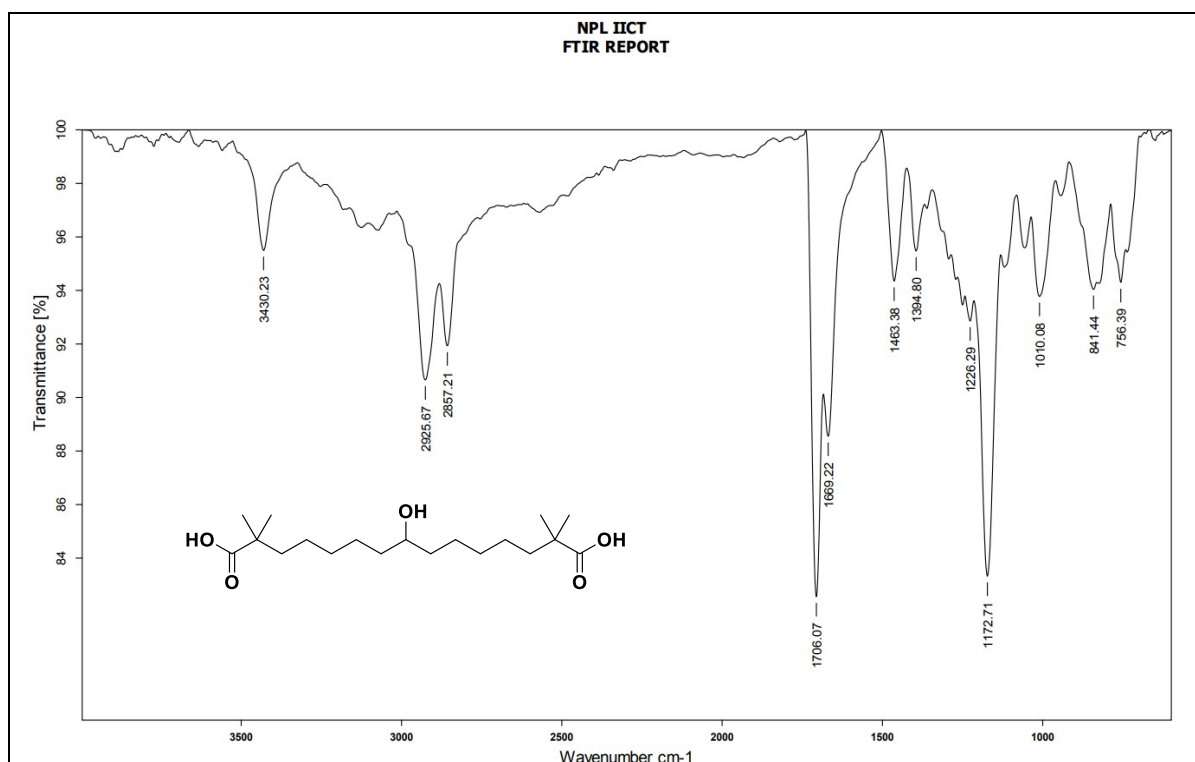
HRMS of compound **8**

$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ ) spectrum of compound **10** $^{13}\text{C}$  NMR (75 MHz,  $\text{CDCl}_3$ ) spectrum of compound **10**



FT-IR spectrum of compound **10**HRMS of compound **10**

$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ ) spectrum of compound **1** $^{13}\text{C}$  NMR (101 MHz,  $\text{CDCl}_3$ ) spectrum of compound **1**

FT-IR spectrum of compound **1**HRMS of compound **1**