

## Supplementary Material

### Enantioselective synthesis of C1-C4 and C5-C14 fragments of cytospolide D

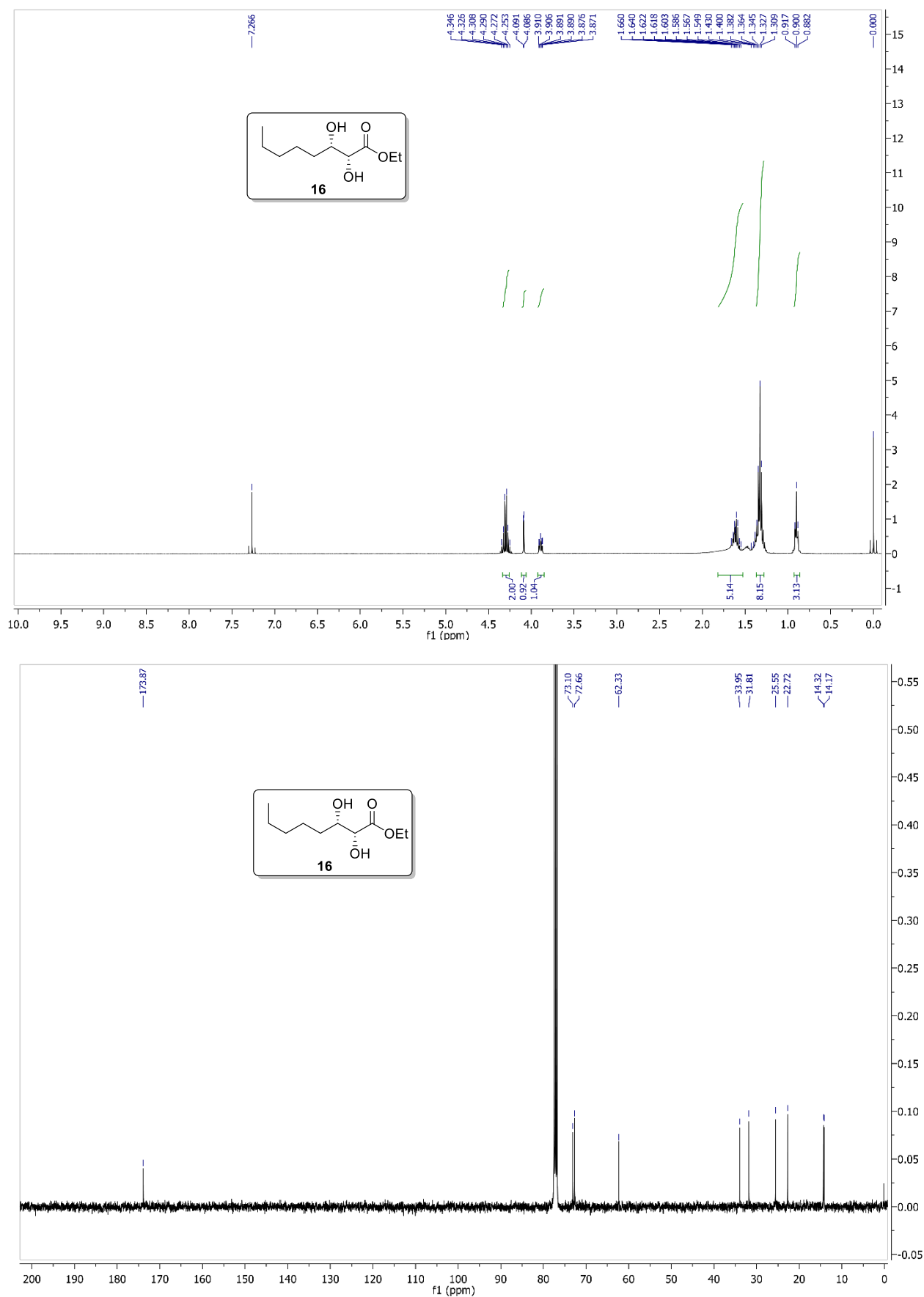
Amanpreet Kaur,<sup>a</sup> Anju Gehlawat,<sup>a</sup> Ranjana Prakash,<sup>a</sup> and Satyendra Kumar Pandey\*<sup>a,b</sup>

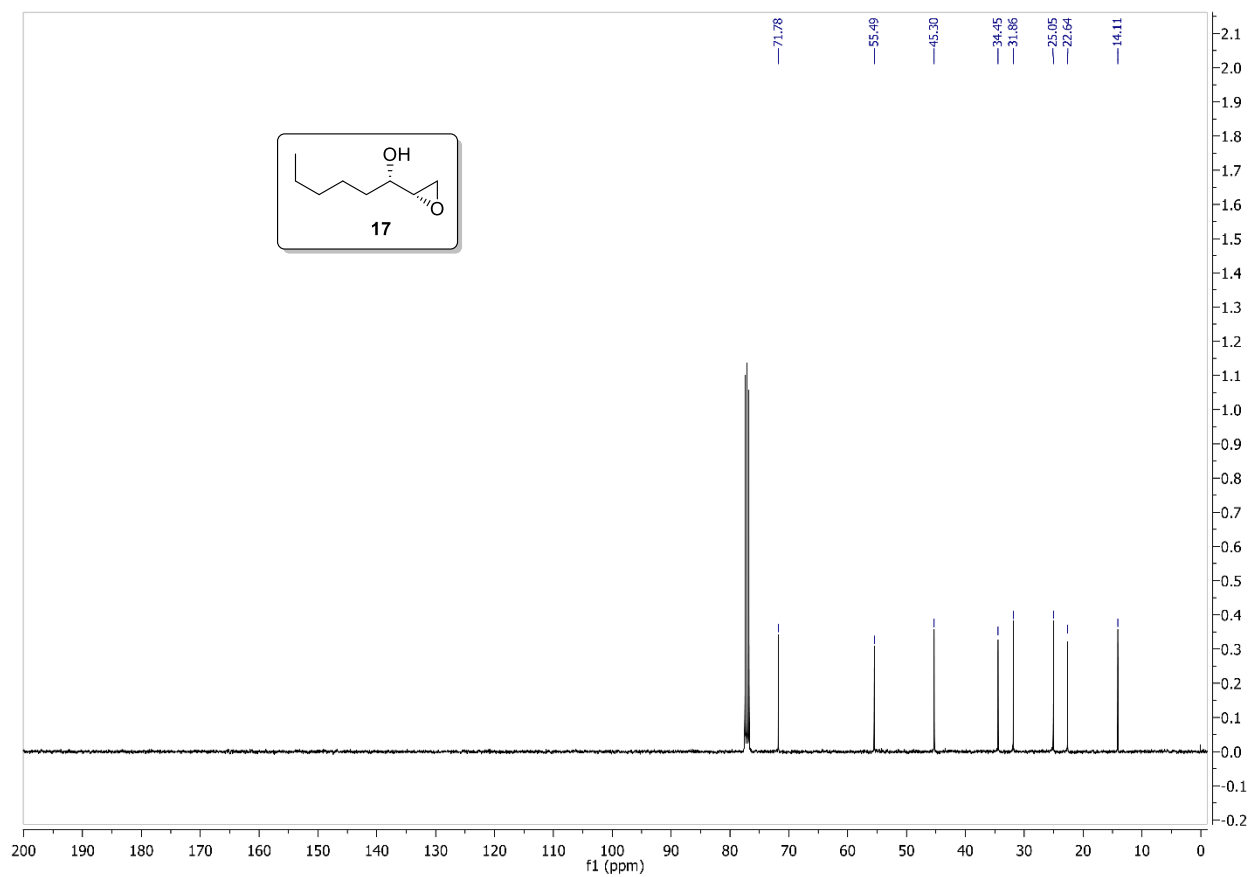
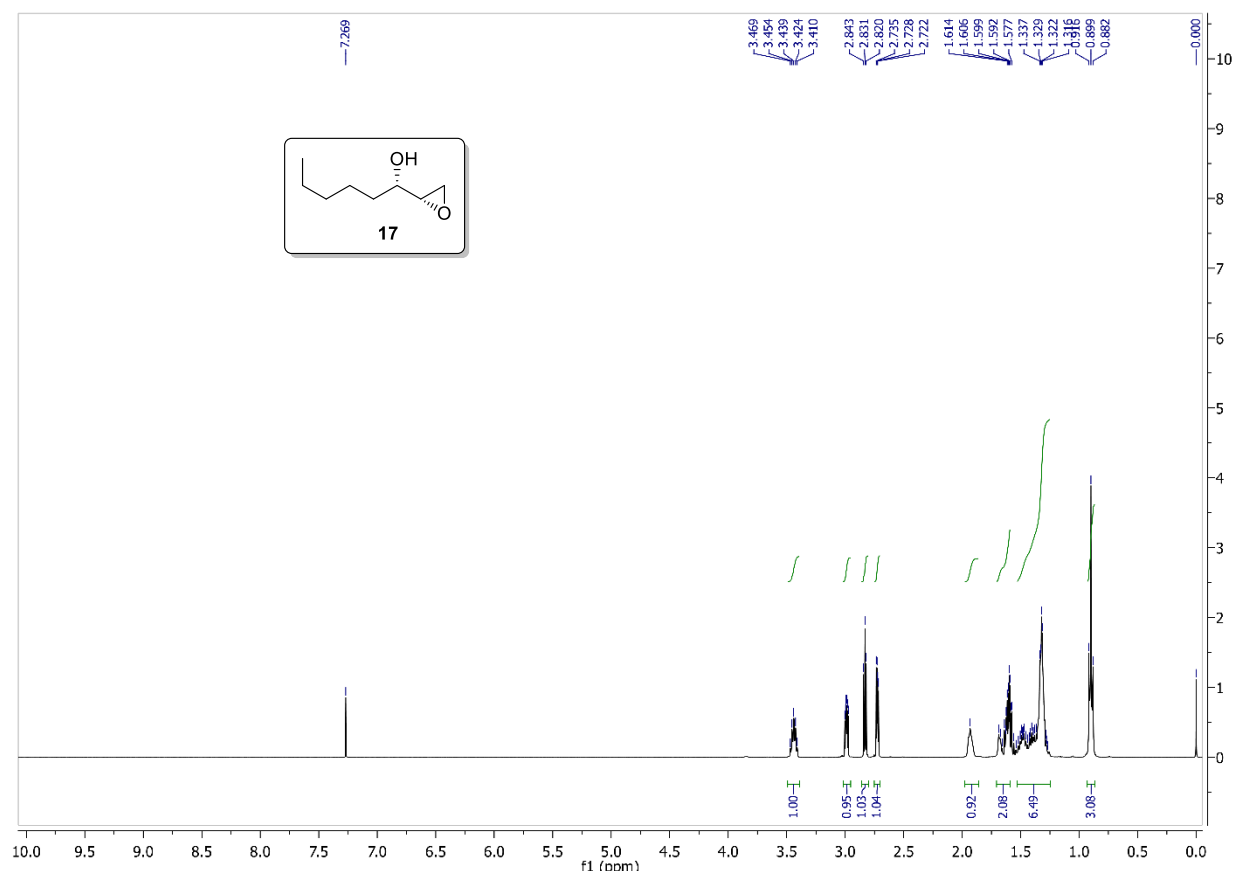
<sup>a</sup>School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala-147 001, India    <sup>b</sup>Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi-221 005, India

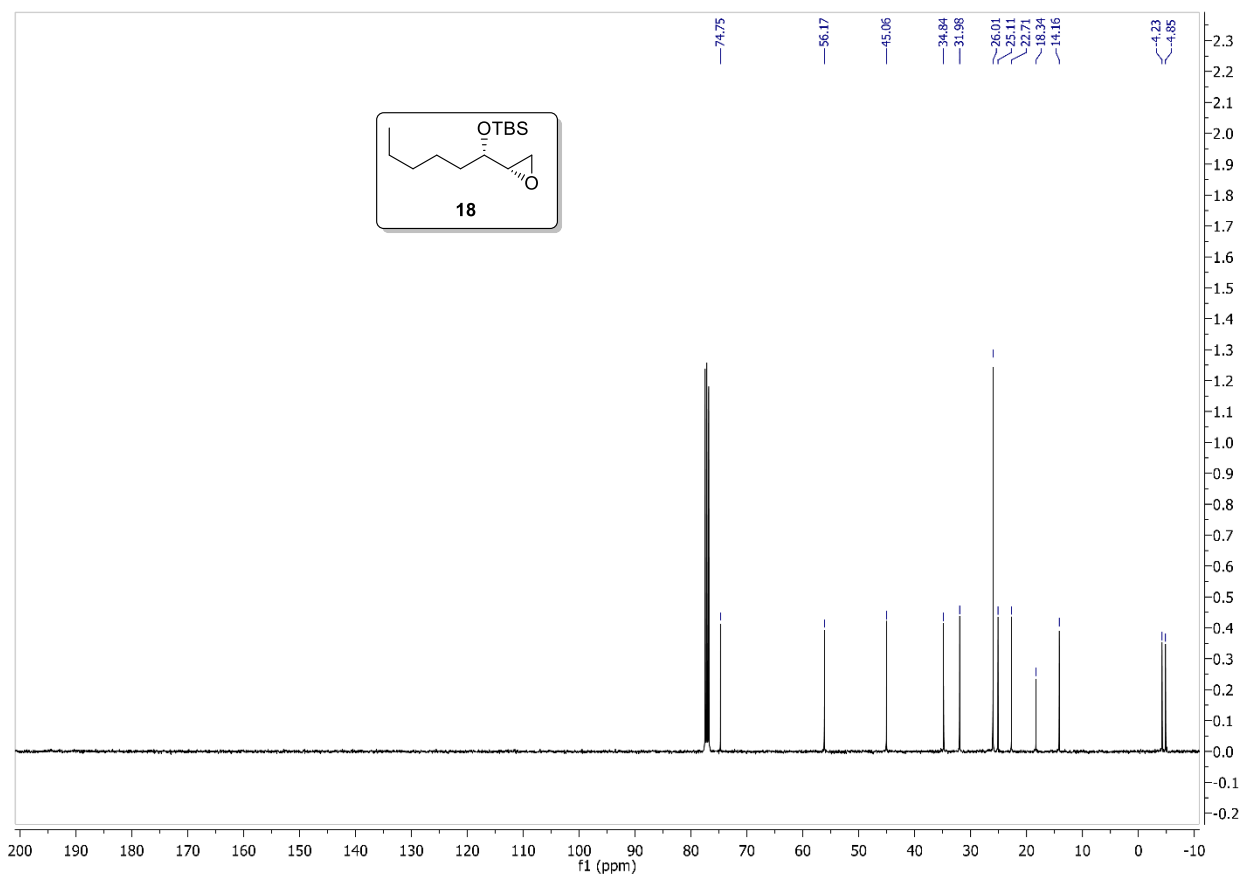
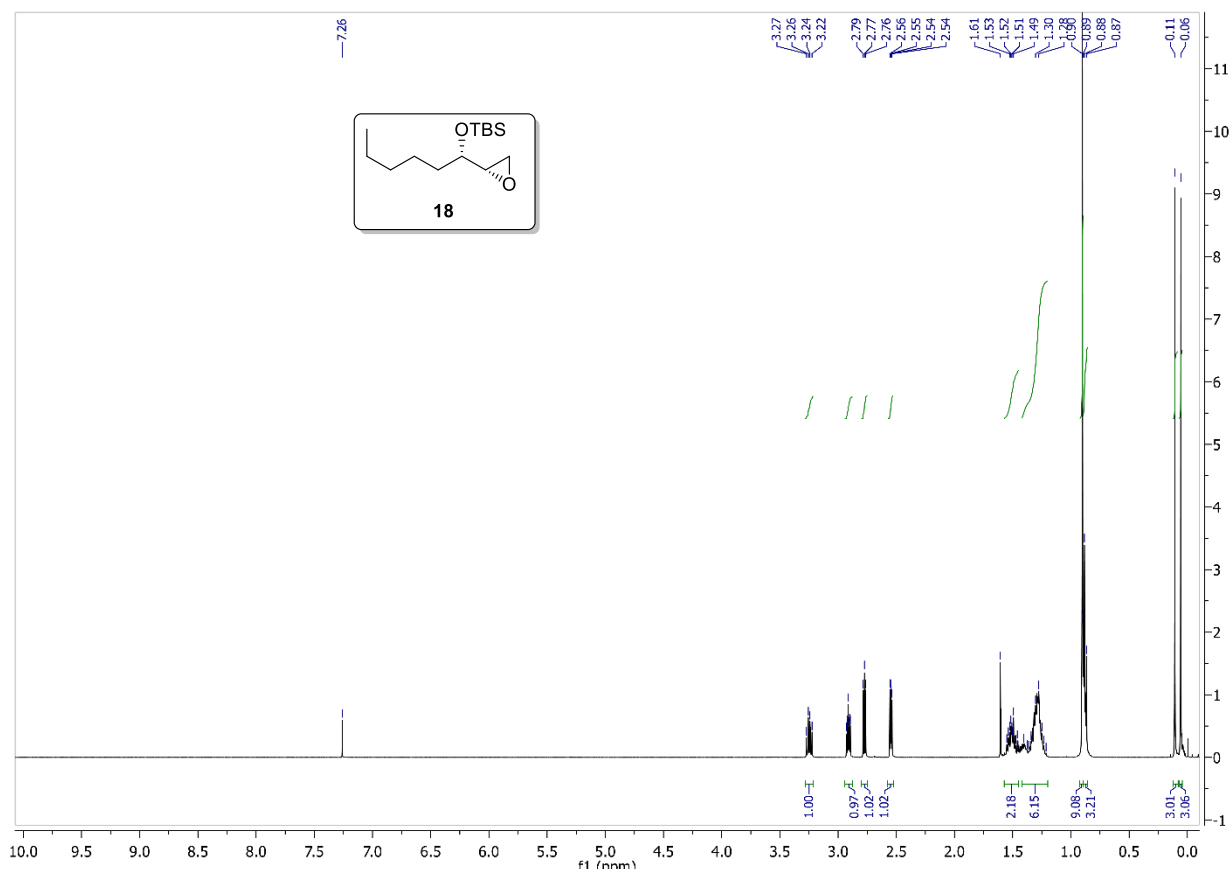
Email: [skpandey@thapar.edu](mailto:skpandey@thapar.edu), [skpandey.chem@bhu.ac.in](mailto:skpandey.chem@bhu.ac.in)

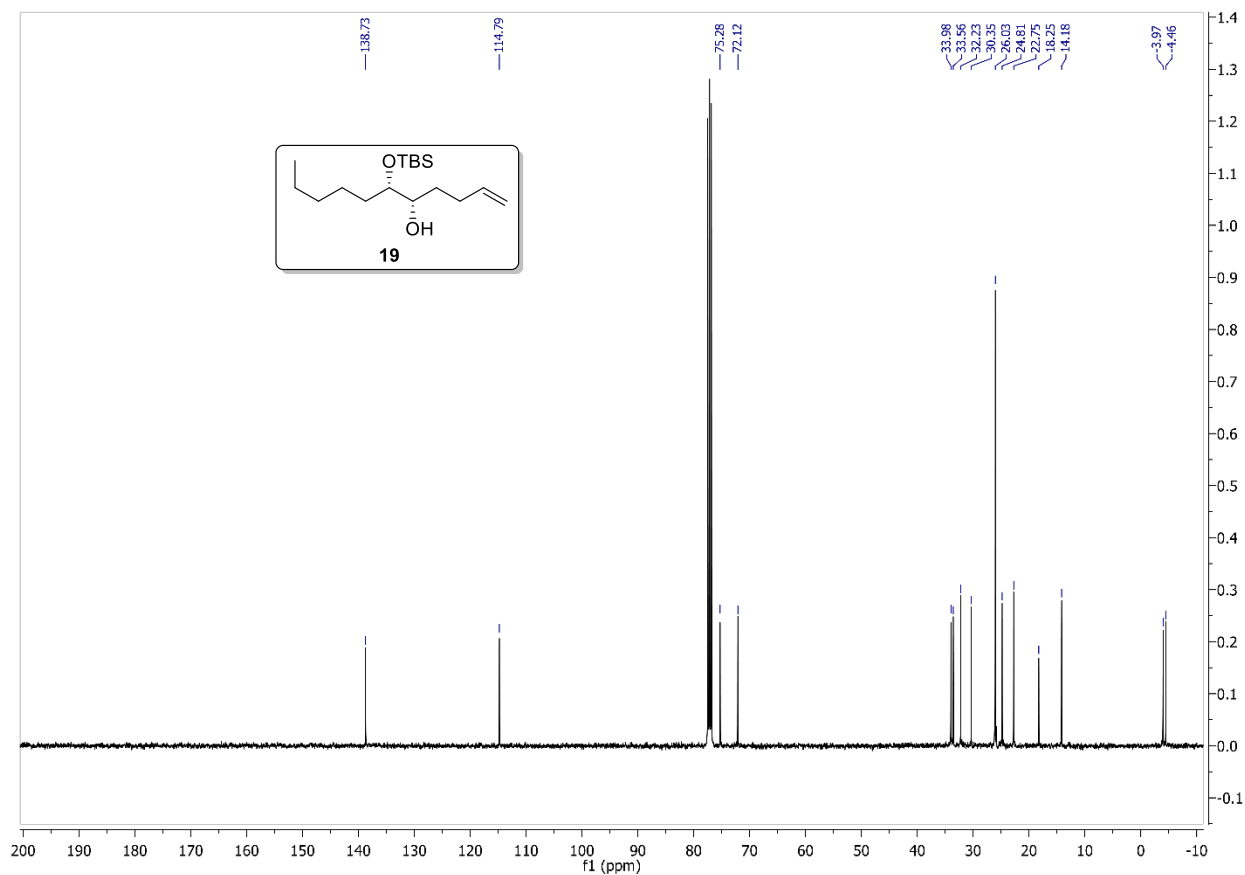
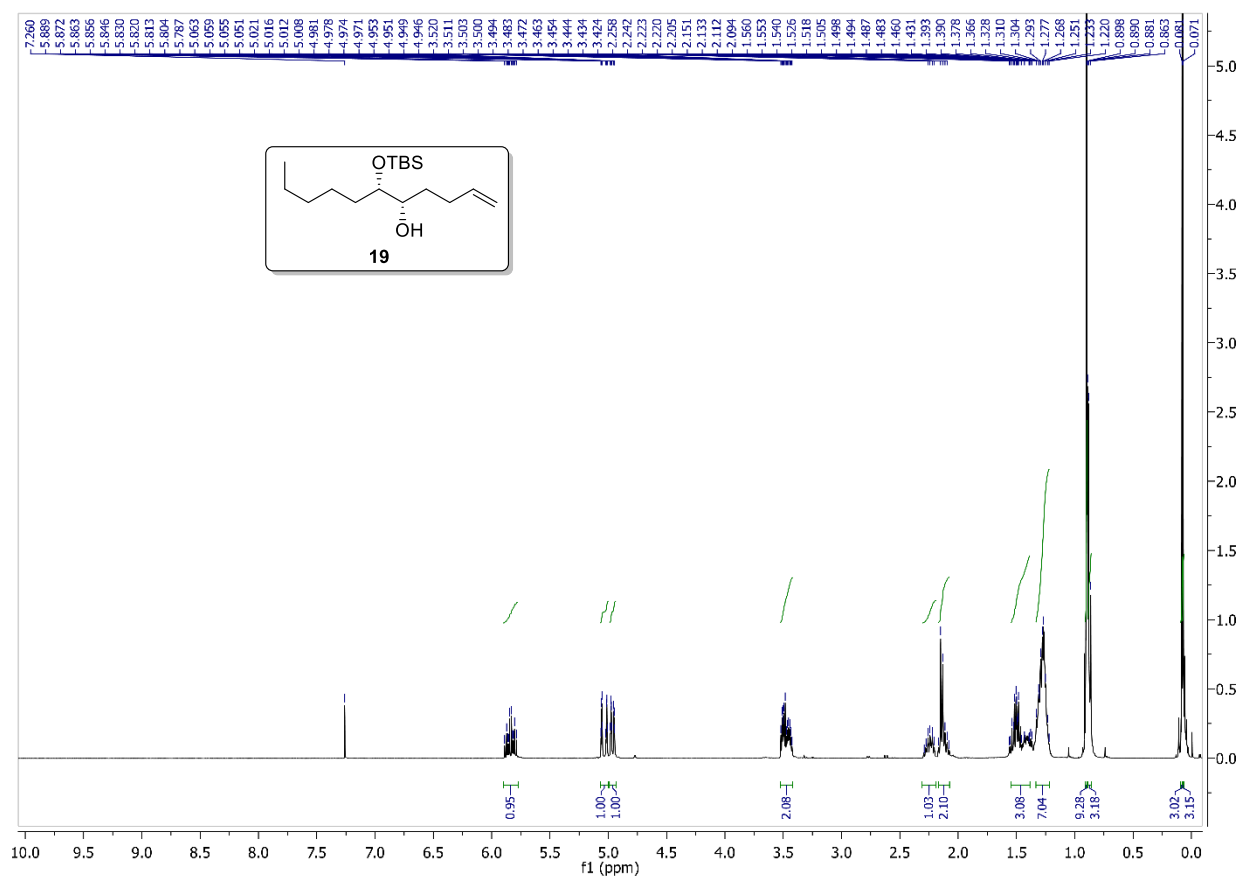
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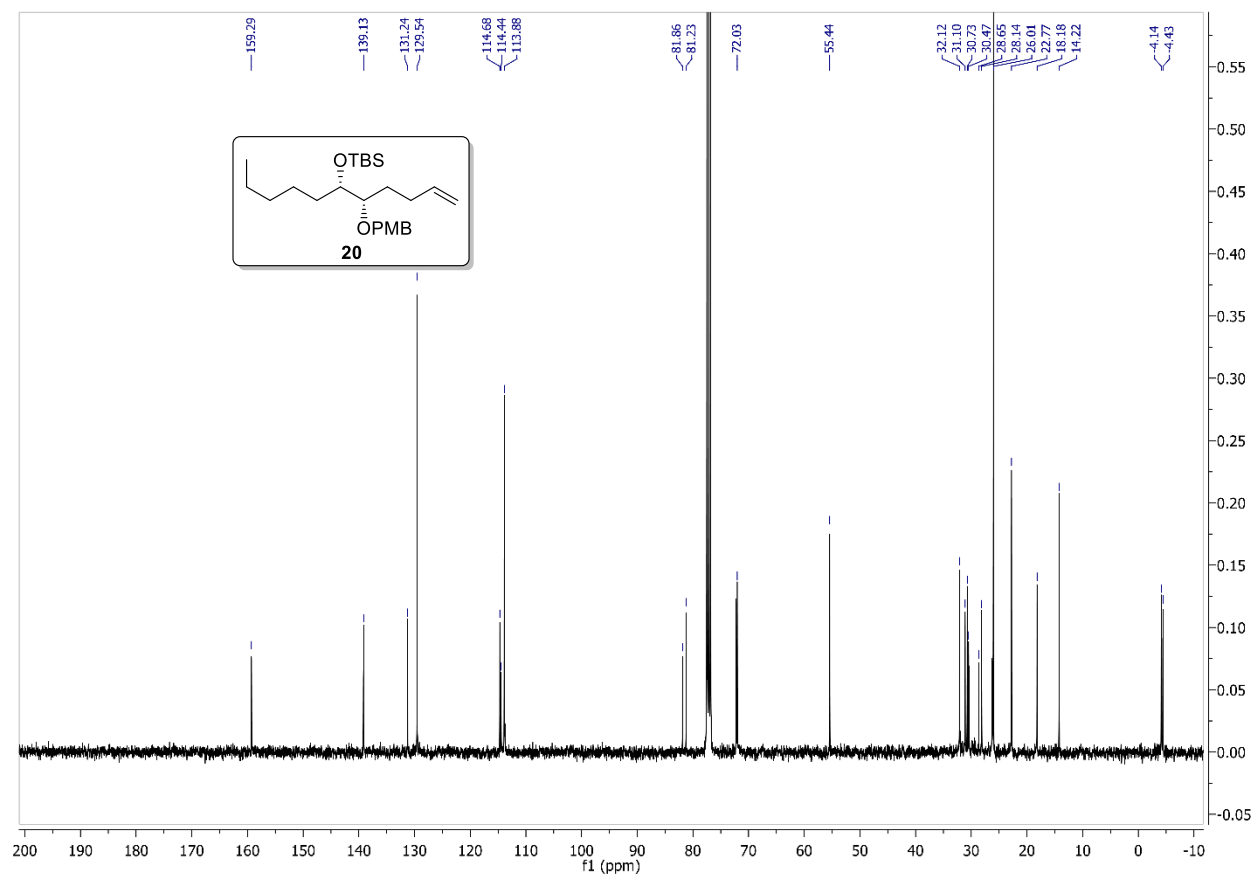
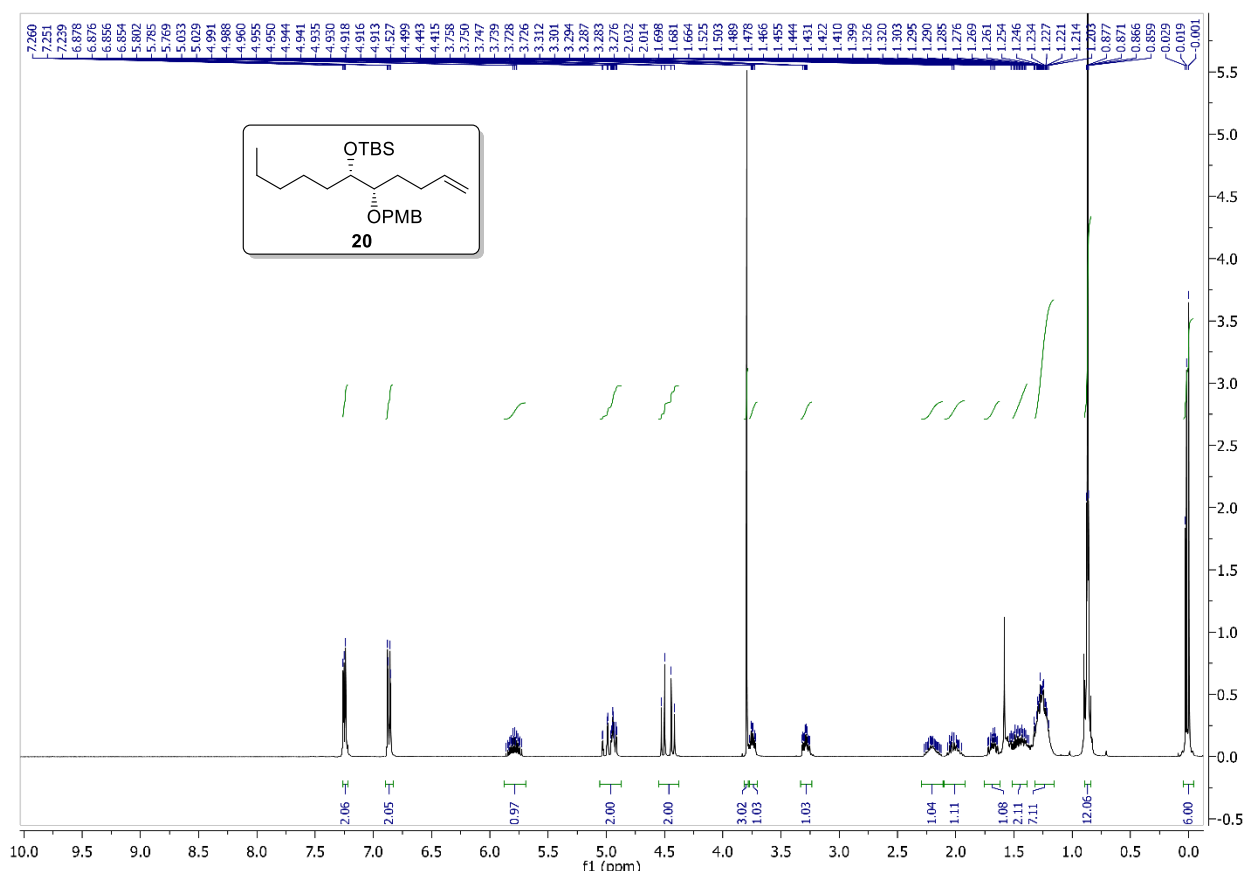
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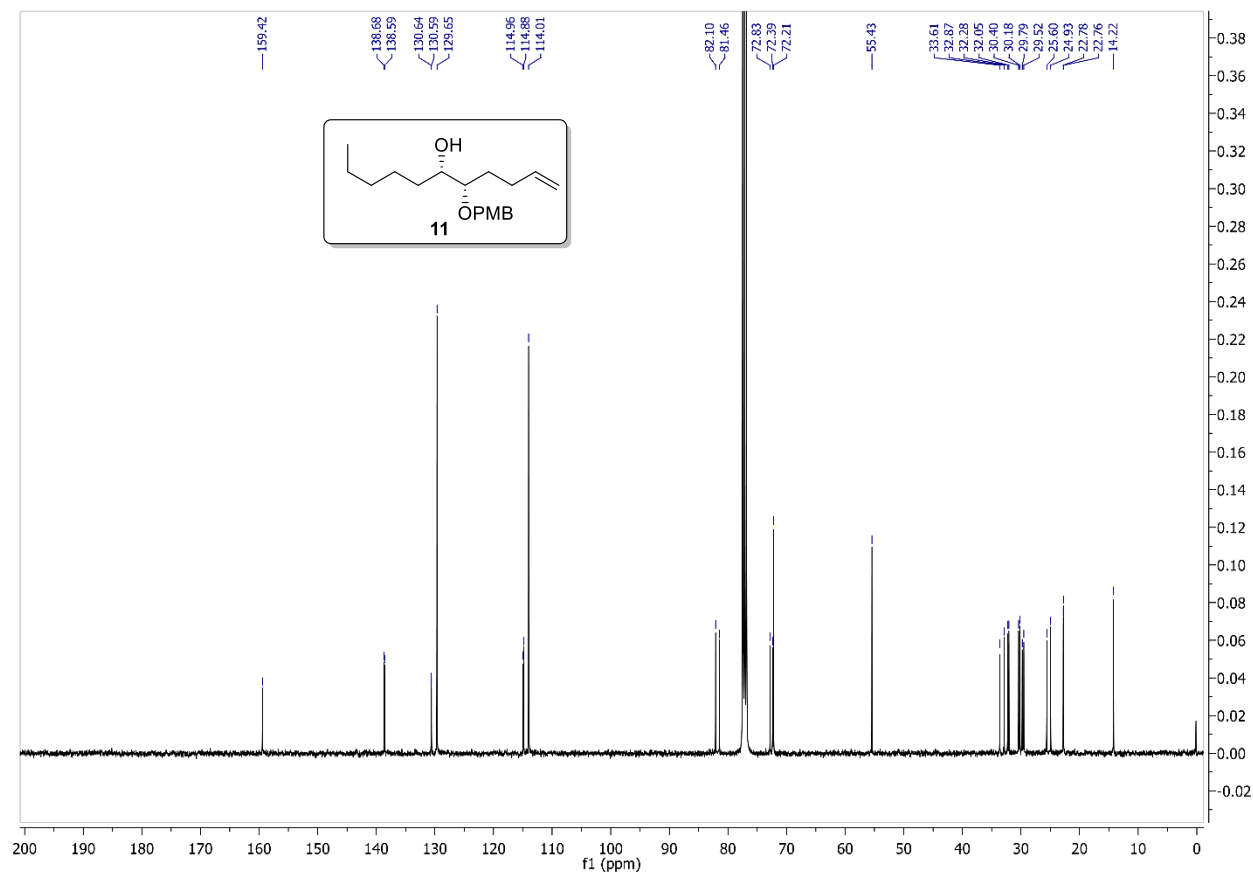
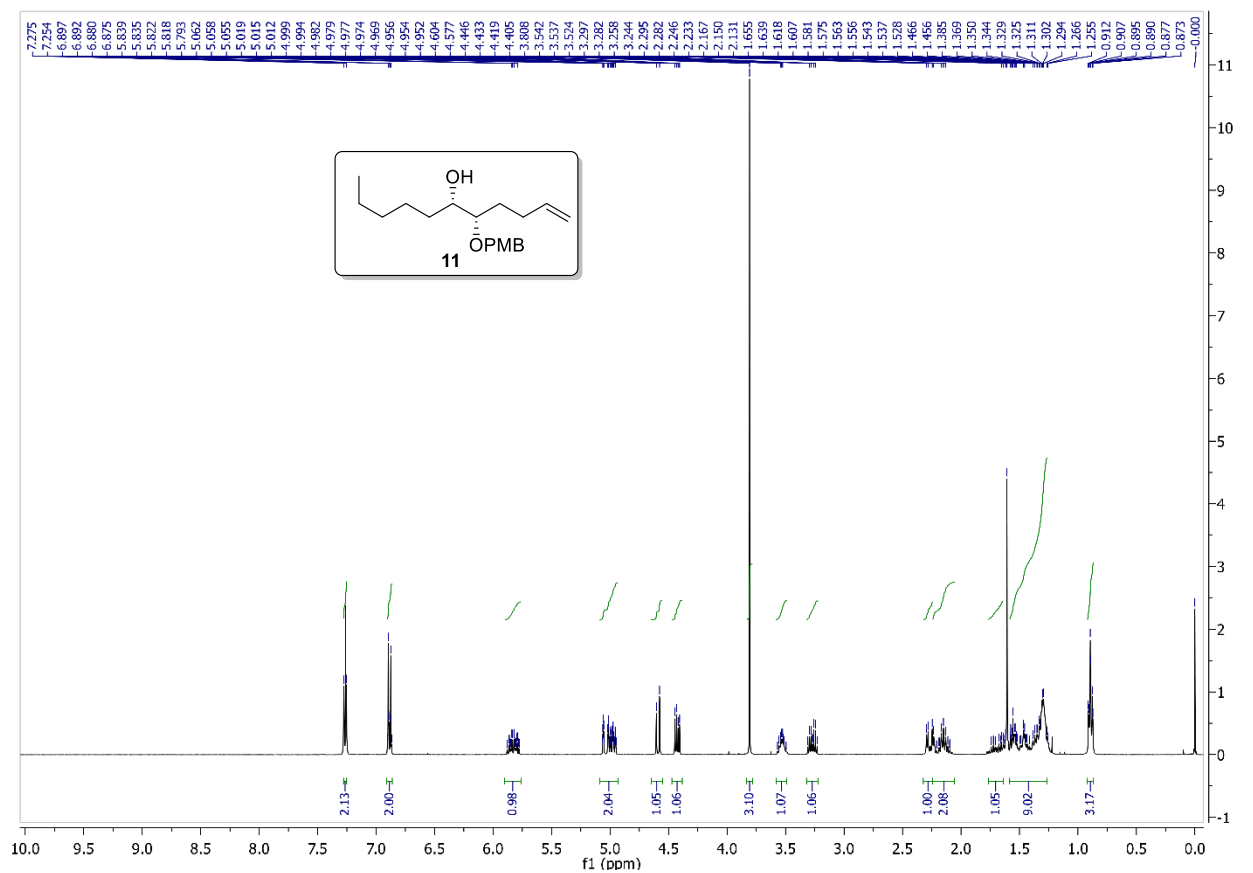
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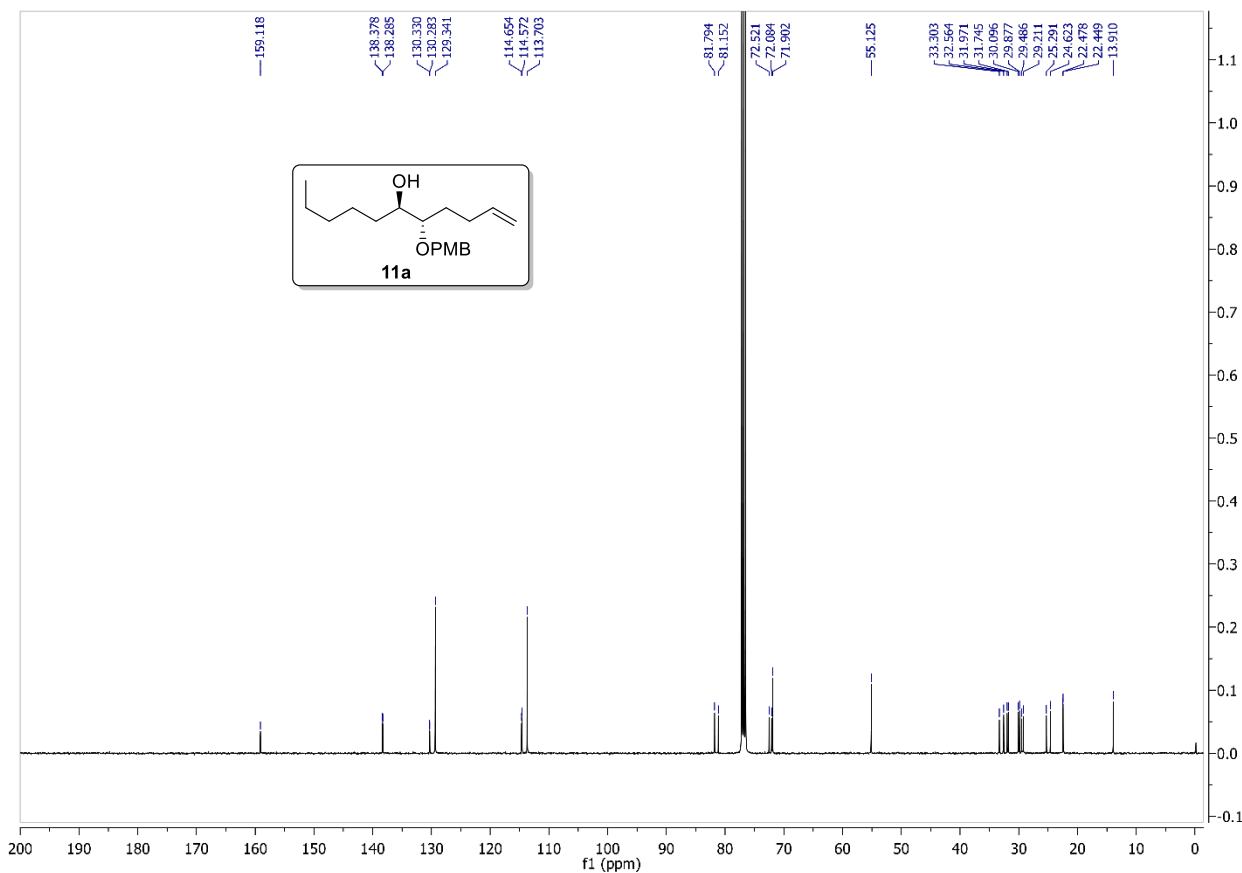
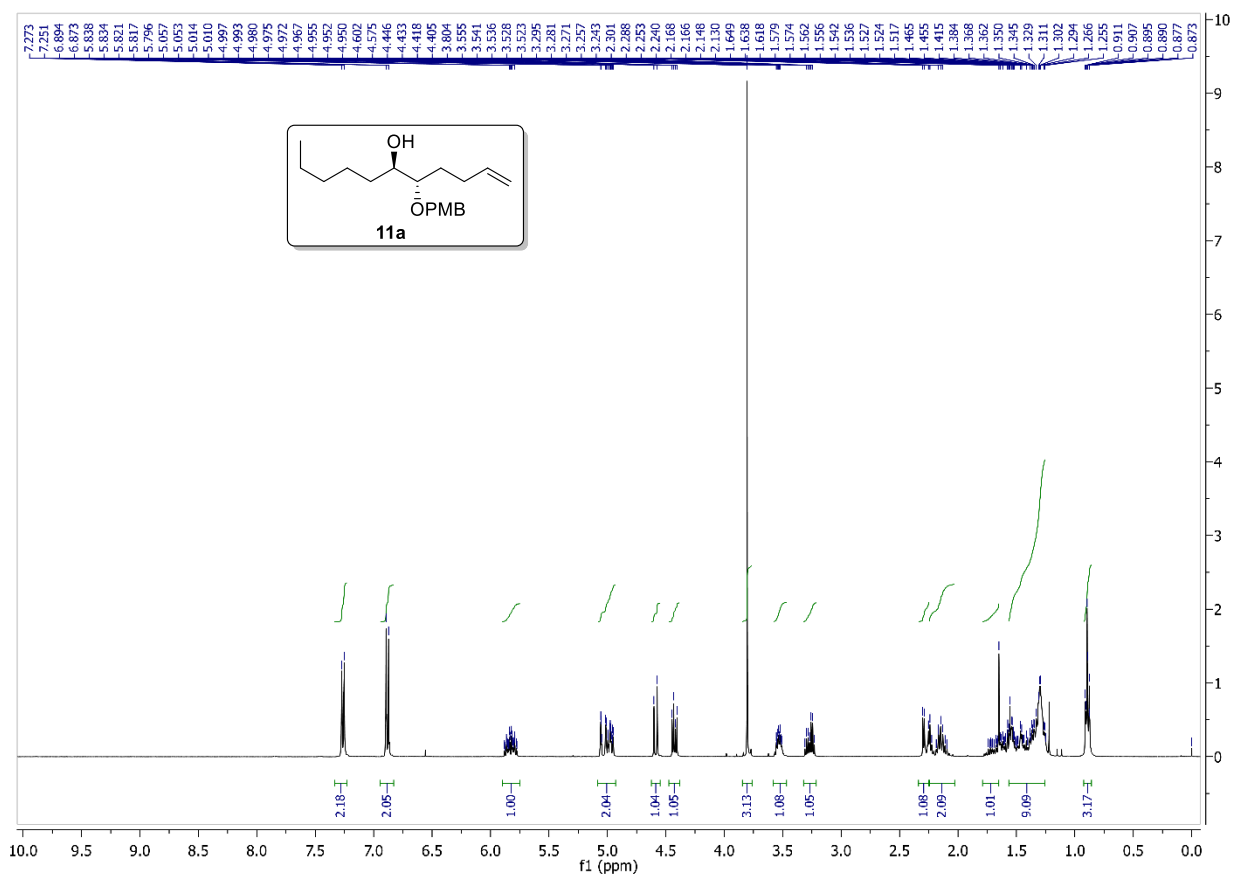
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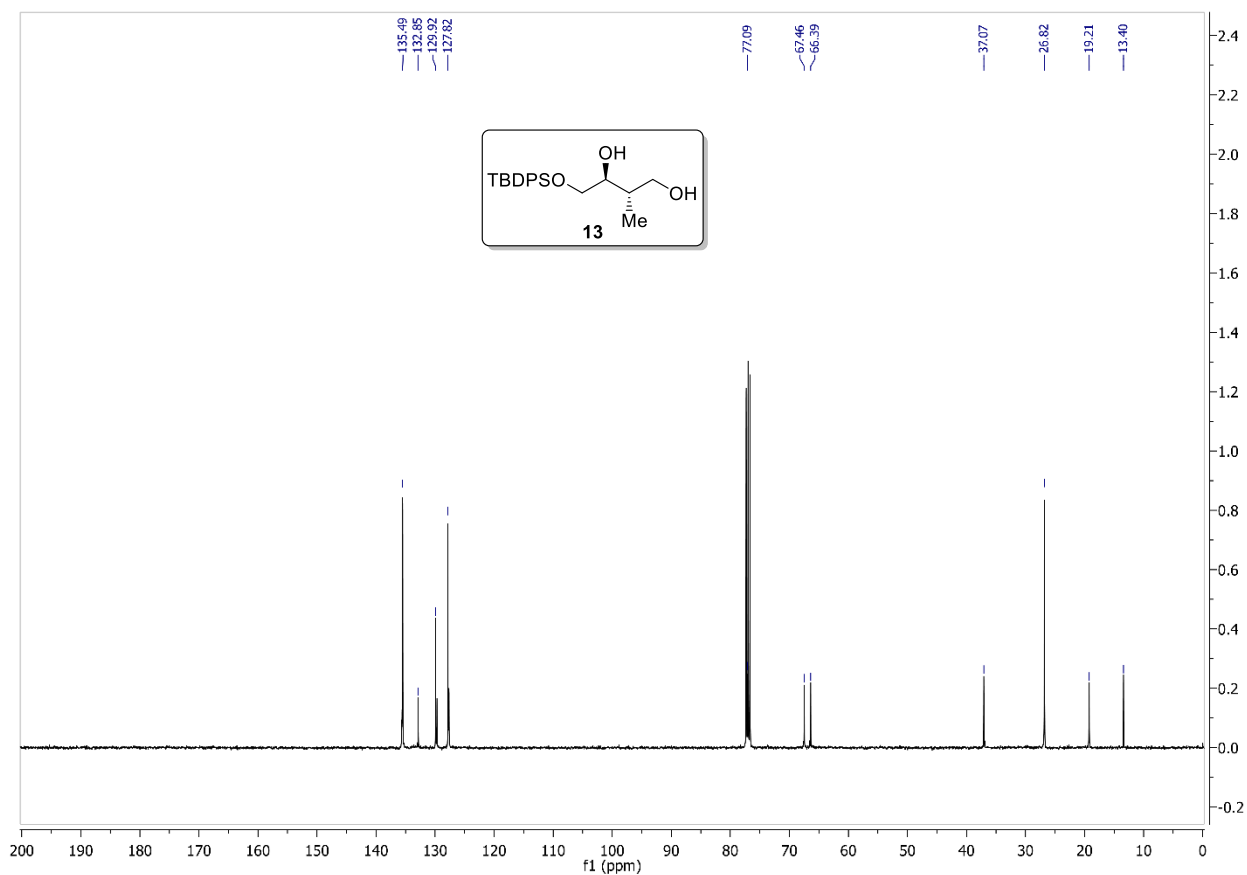
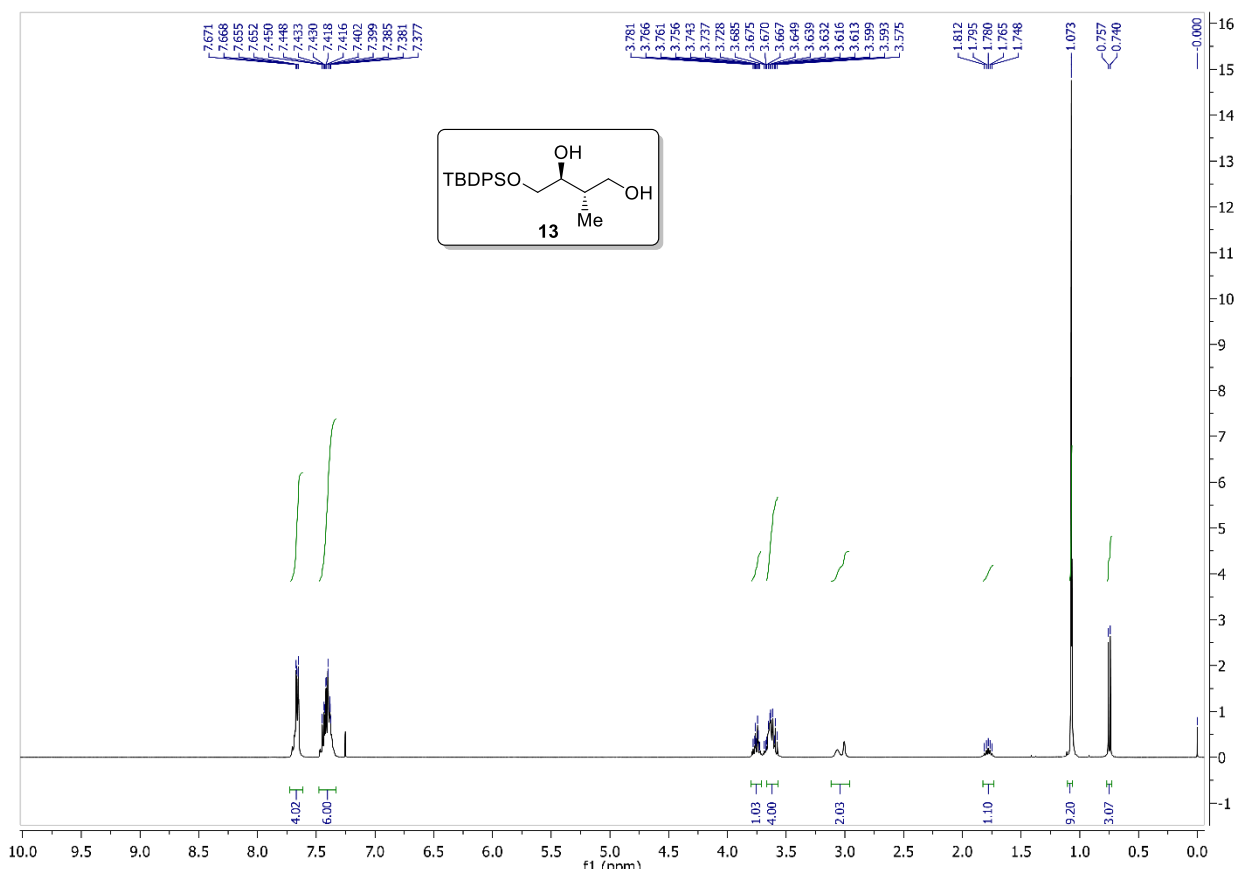
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## D-7000 HPLC System Manager Report

Analyzed: 08/11/17 04:48 PM

Reported: 08/11/17 05:11 PM  
Processed: 08/11/17 05:10 PM

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Processing Method: cal

System(acquisition): Sys 1

Series:9707

Application: HPLC

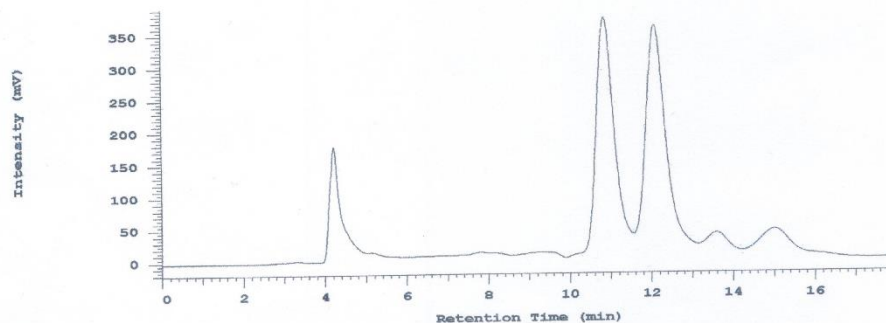
Volume: 10.0 ul

Sample Name: GSG-F-603(Rac)

Injection from this vial: 1 of 1

Sample Description: PE:EtOH(99:01)

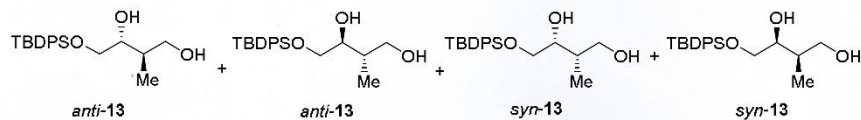
Chrom Type: HPLC Channel : 1



No.	RT	Area	Conc 1	BC
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2	12.10	12794077	49.119	VV
3	13.59	640402	2.459	TBB
4	15.01	1507989	5.789	VB
		26047081	100.000	

Peak rejection level: 0

A1 (Racemic)



Project Leader: Dr.M.Muthukrishnan  
 Column :Chiralcel OD-H(250 mmx4.6mm)  
 Mobile Ph : EtOH:PE(01:99)  
 Wavelength : 220nm  
 Flow : 1.0 ml/min.  
 Inject vol: 2ul

## D-7000 HPLC System Manager Report

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Reported: 08/11/17 04:58 PM

Processed: 08/11/17 04:57 PM

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Processing Method: cal

System(acquisition): Sys 1  
Application: HPLC

Series:9706

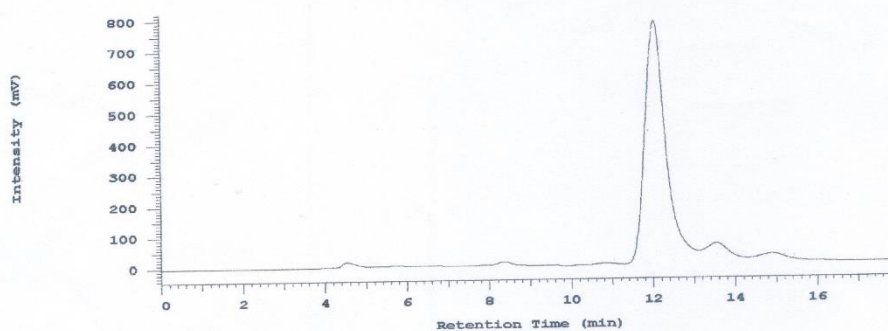
Volume: 10.0 ul

Sample Name: GSG-F-607(Chiral)

Injection from this vial: 1 of 1

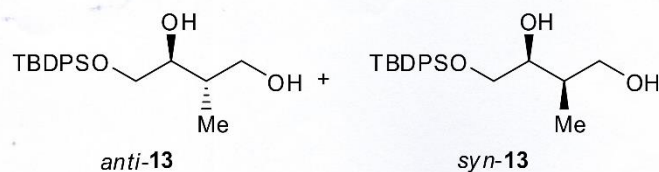
Sample Description: PE:EtOH(99:01)

Chrom Type: HPLC Channel : 1

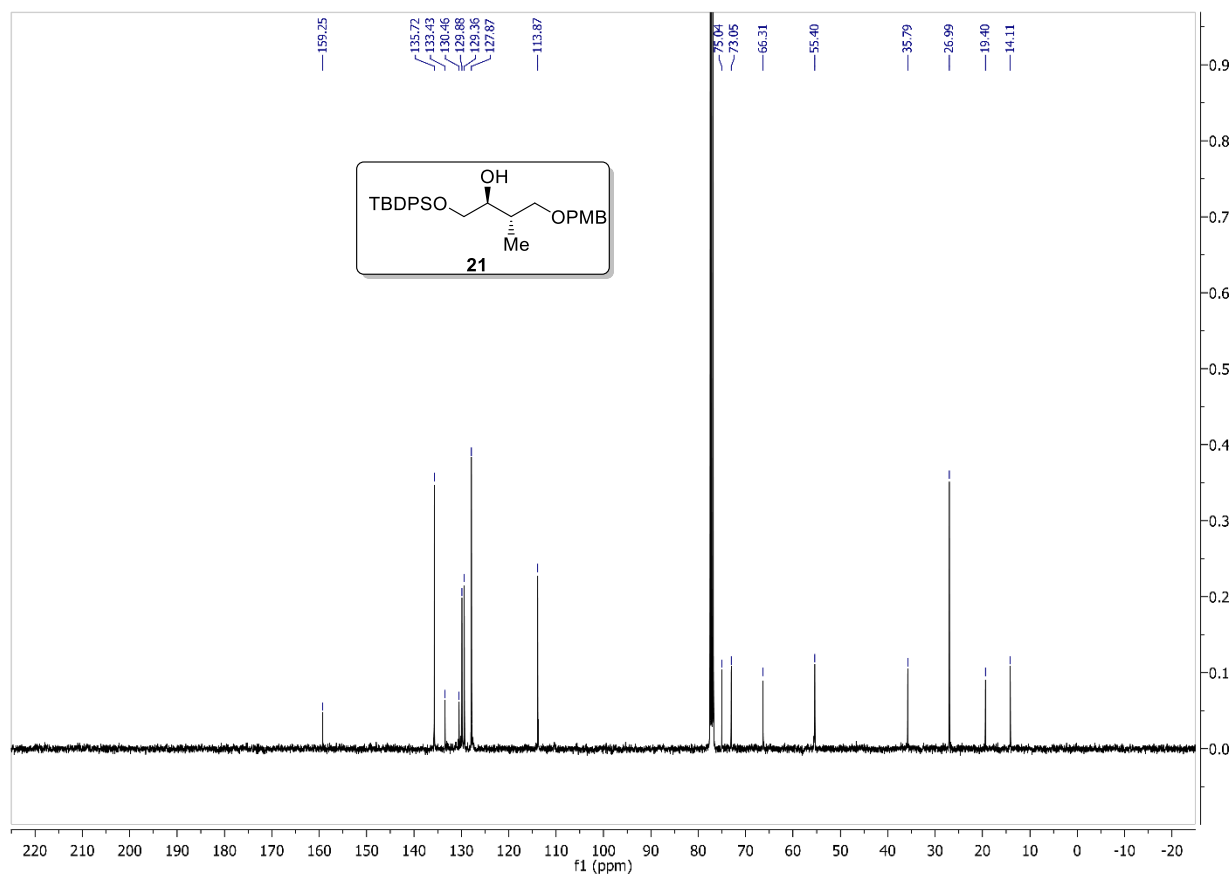
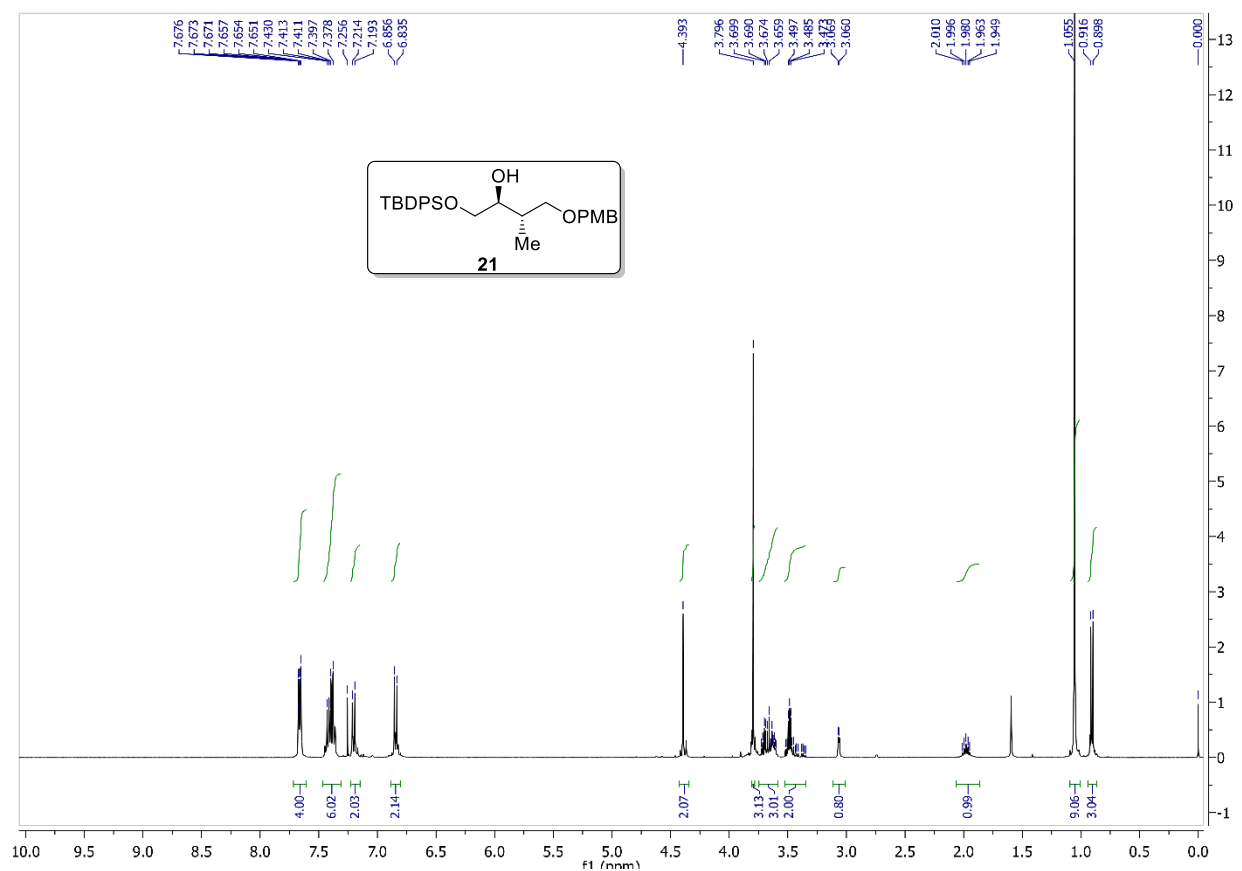


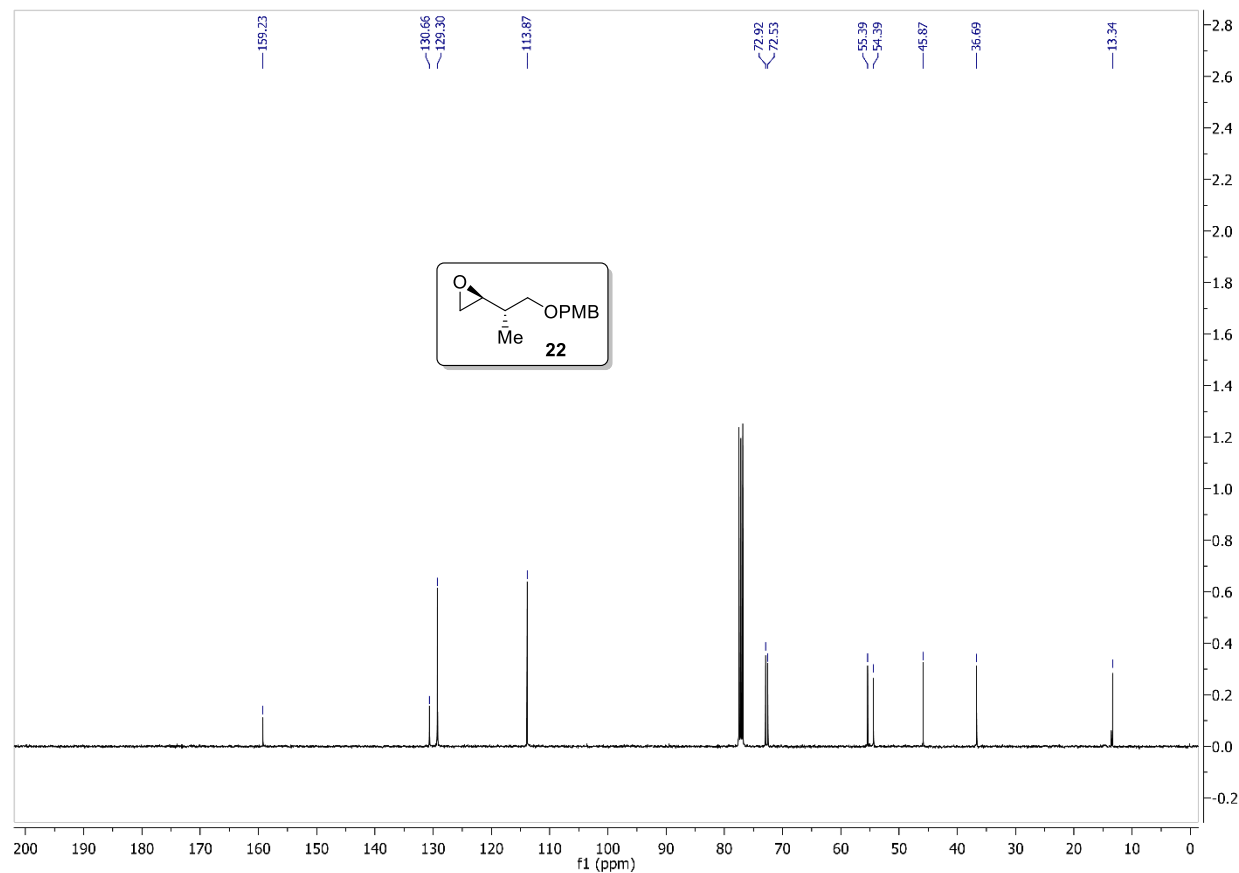
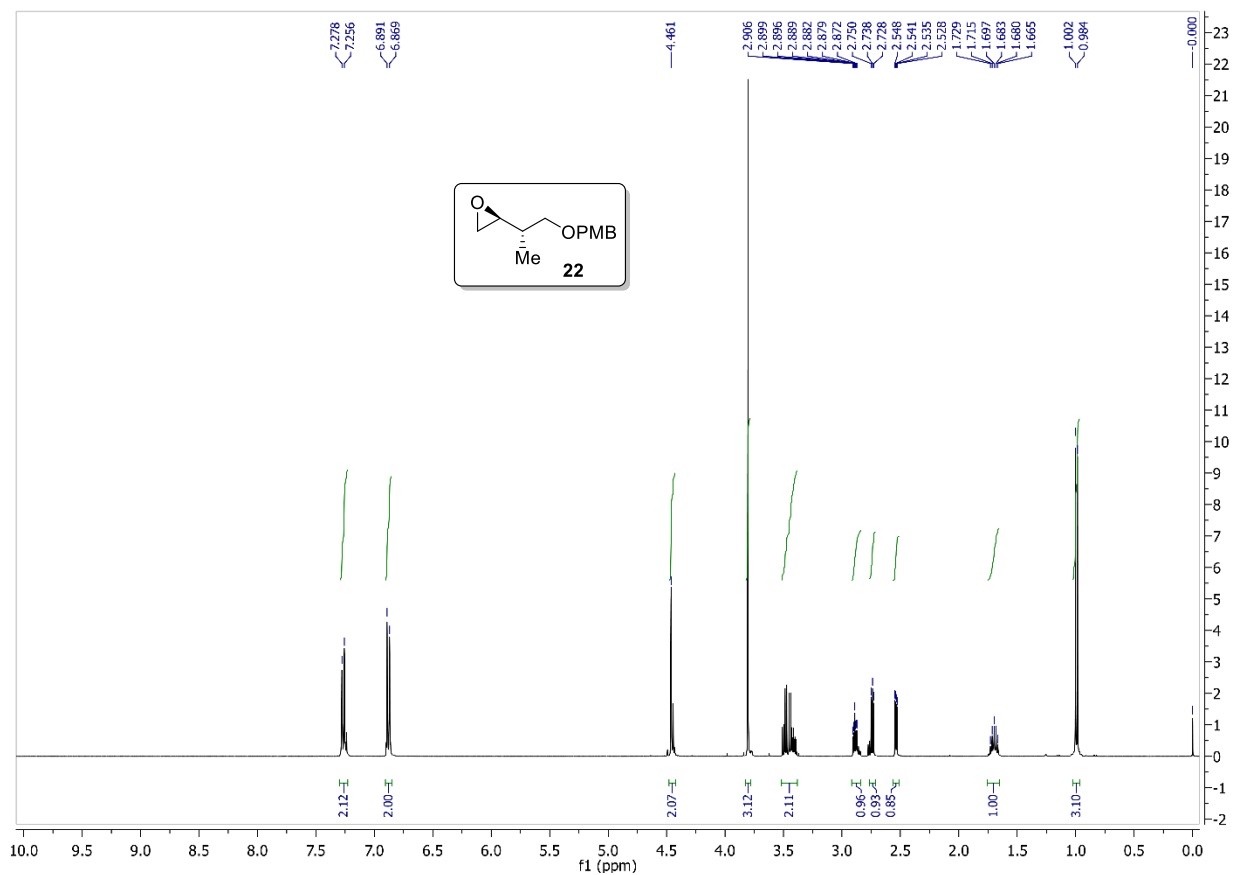
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3	13.55	993184	3.156	TBB
4	14.91	552776	1.757	TBB
			100.000	

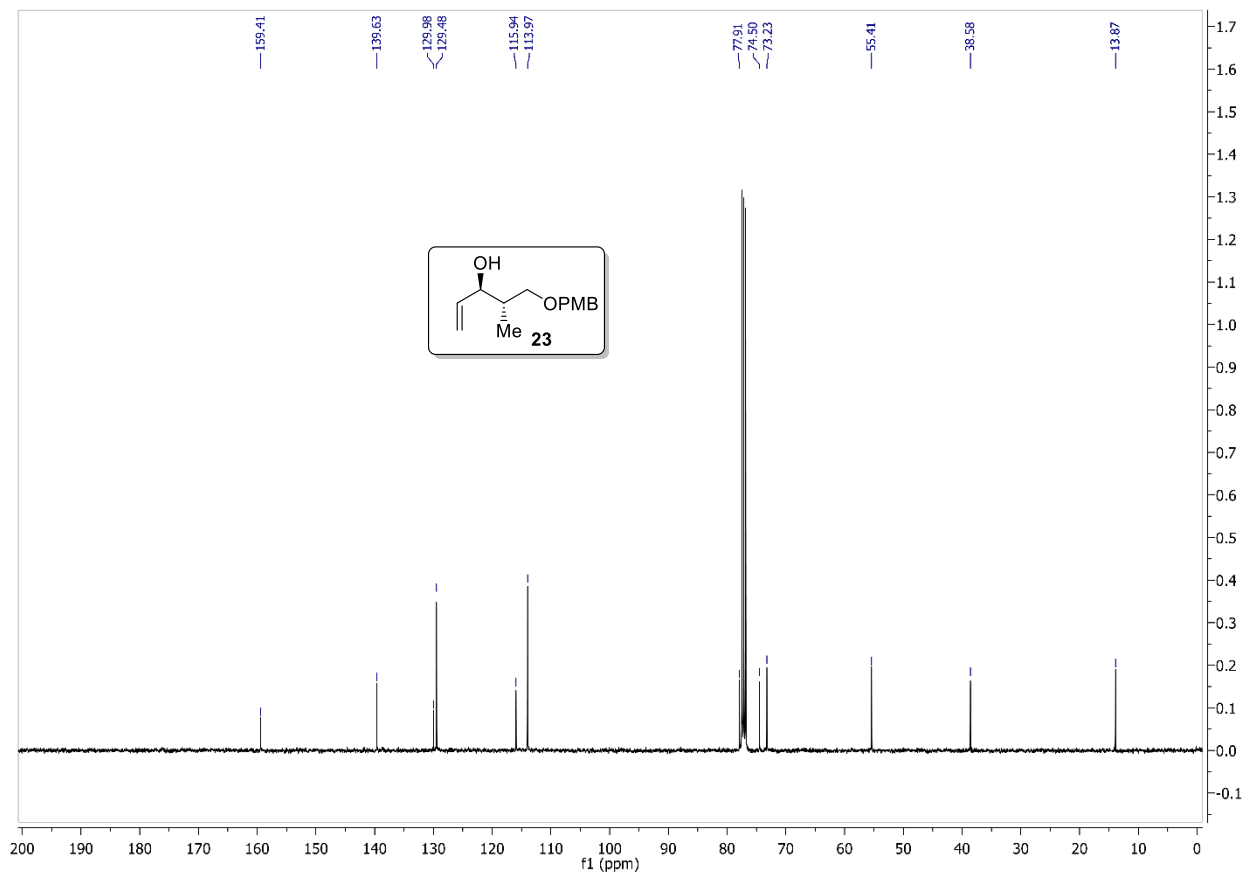
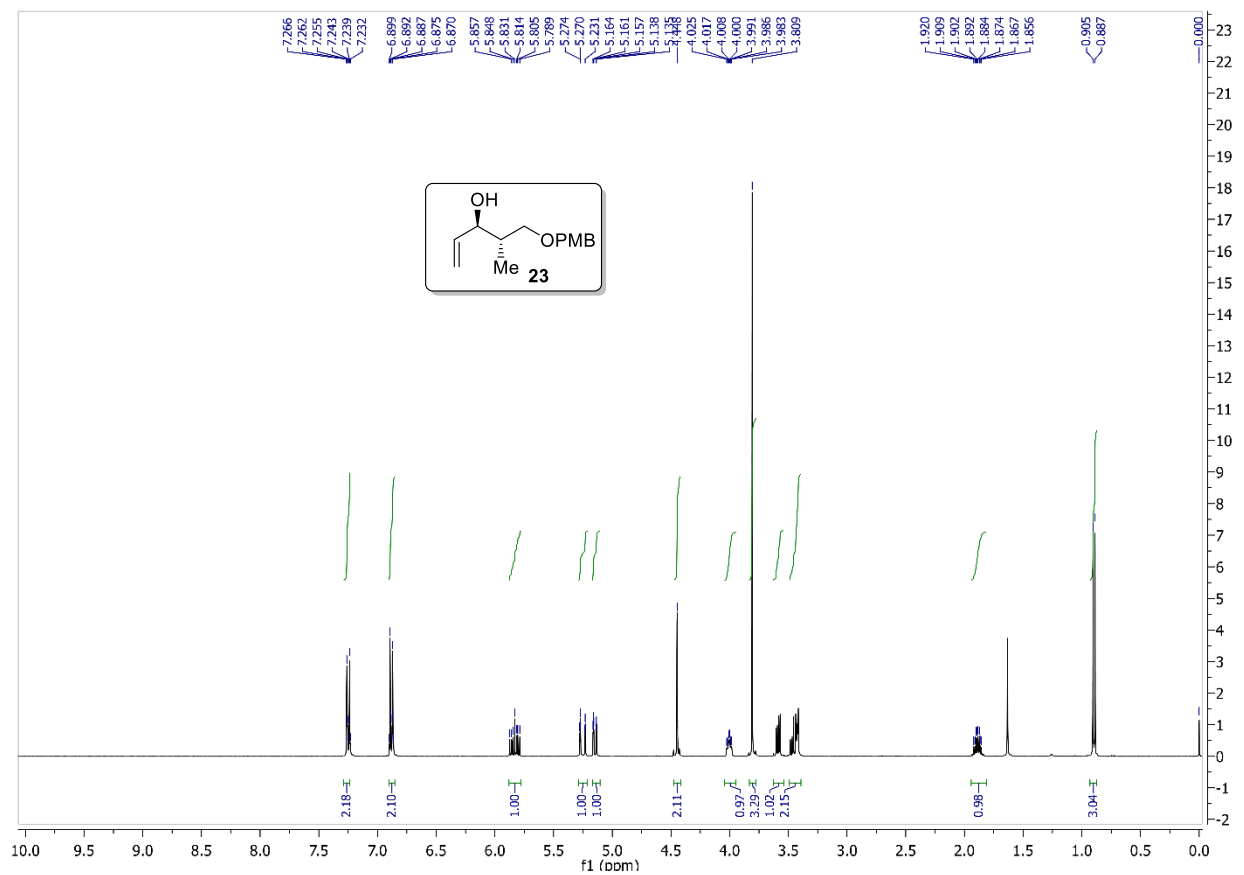
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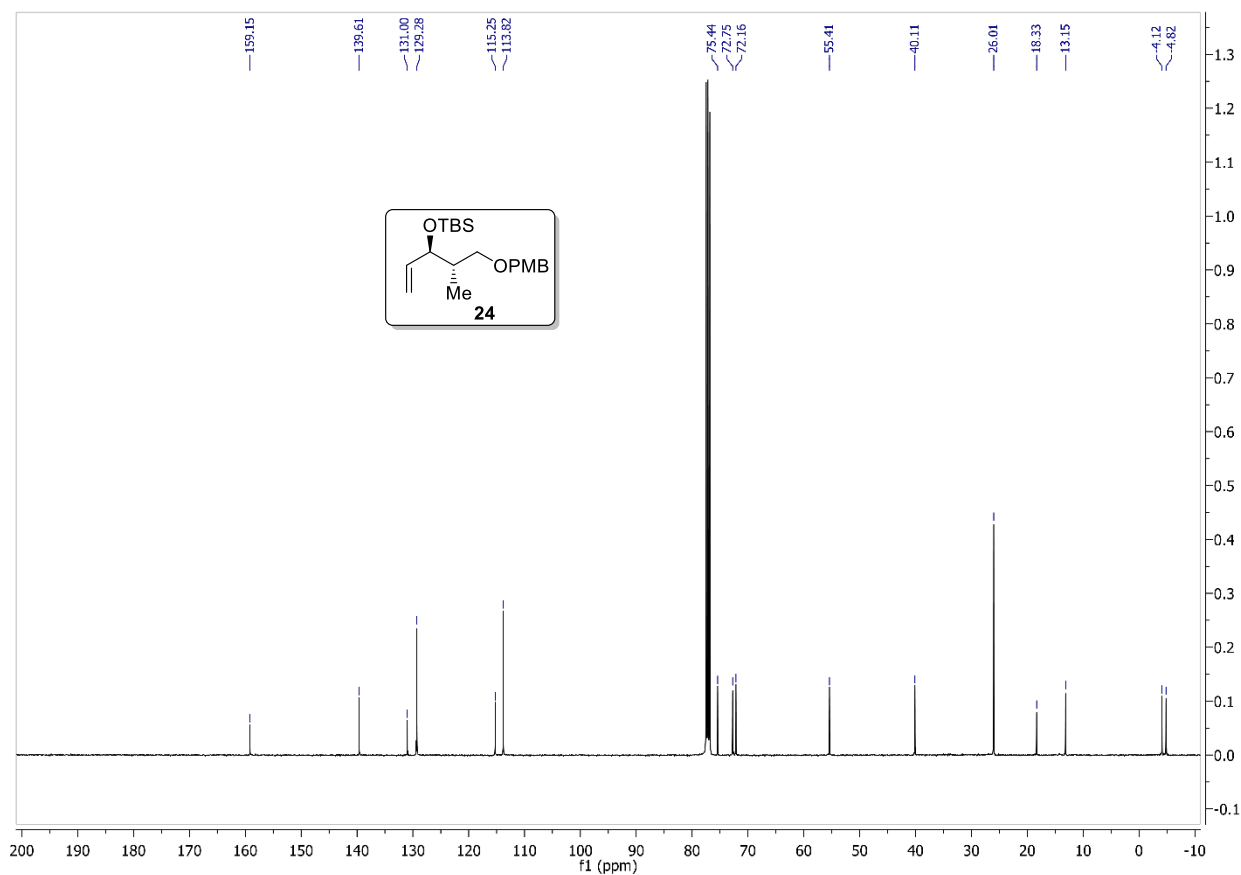
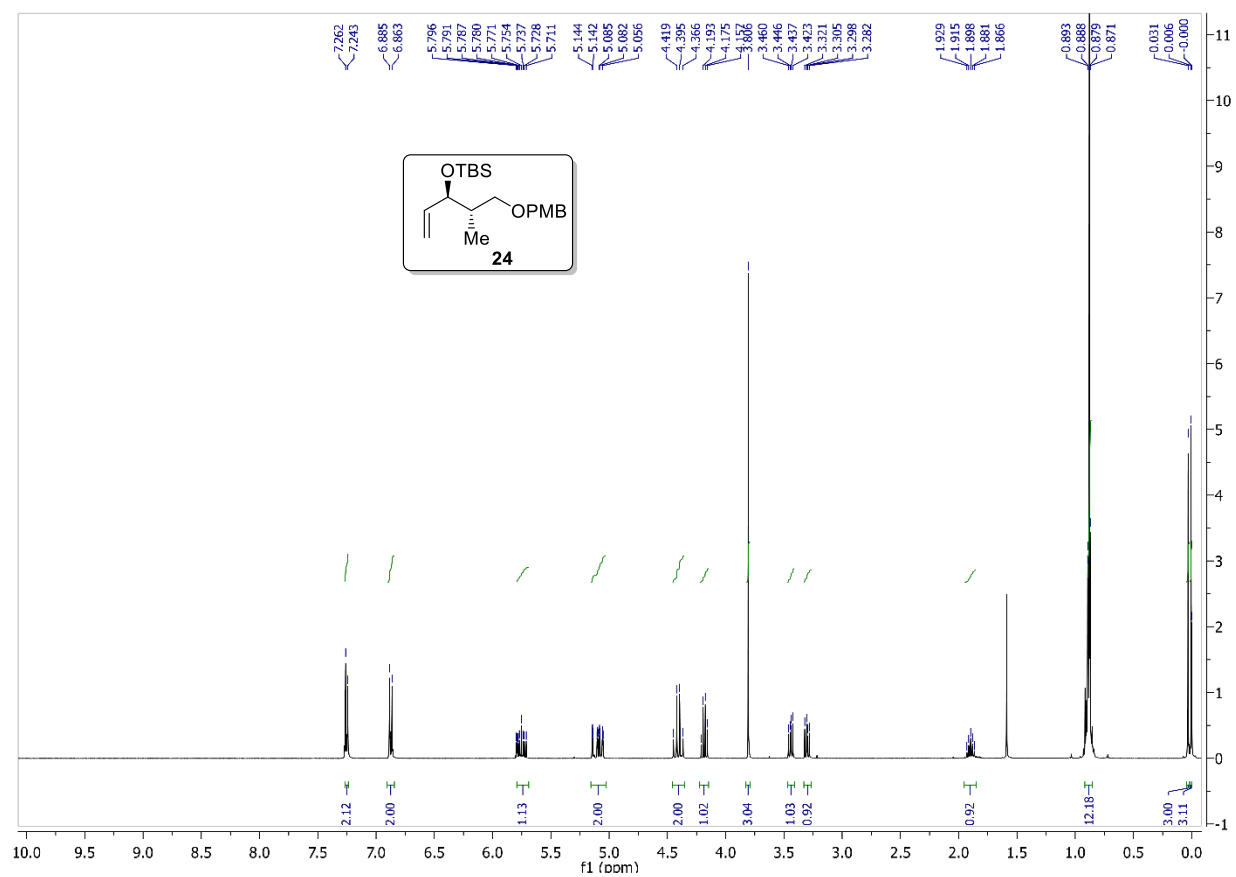
A<sub>1</sub> (Chiral)

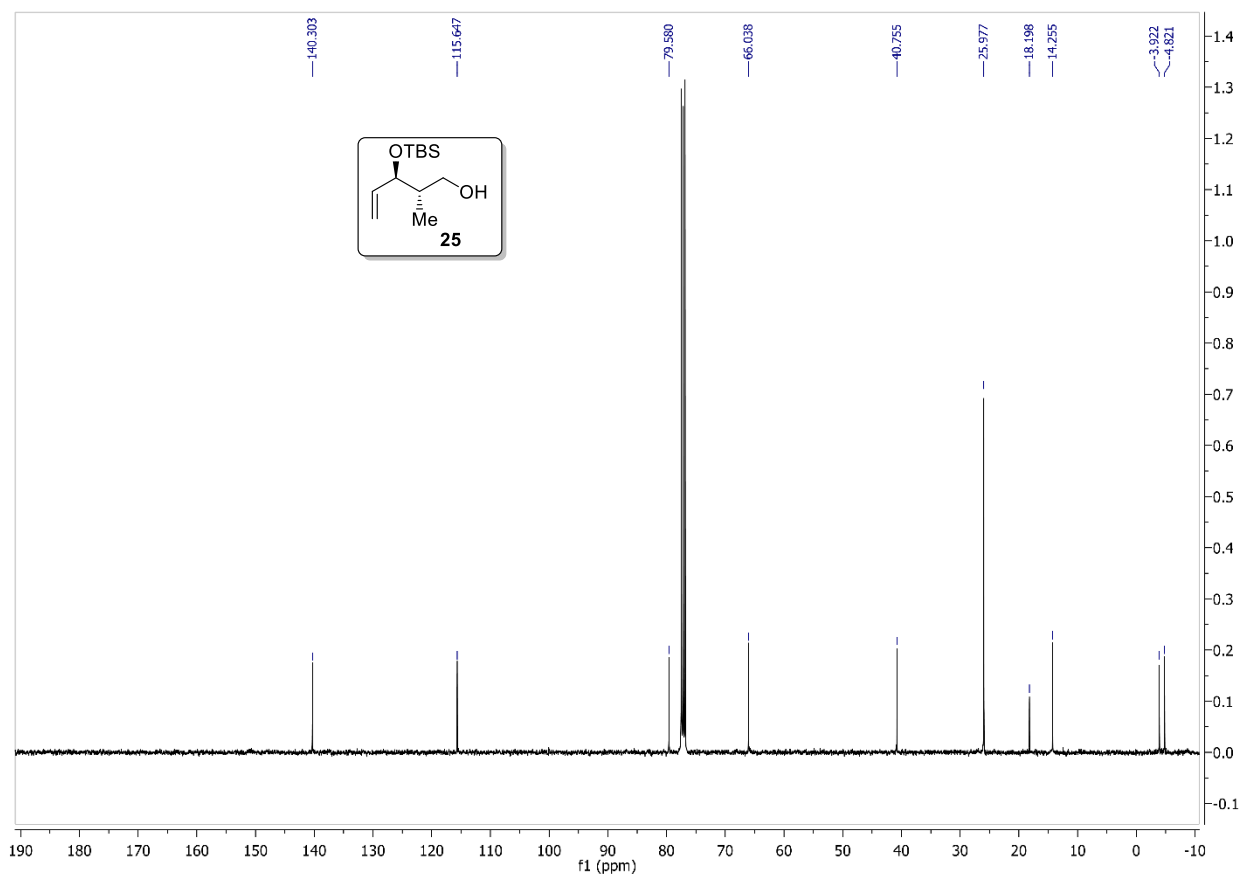
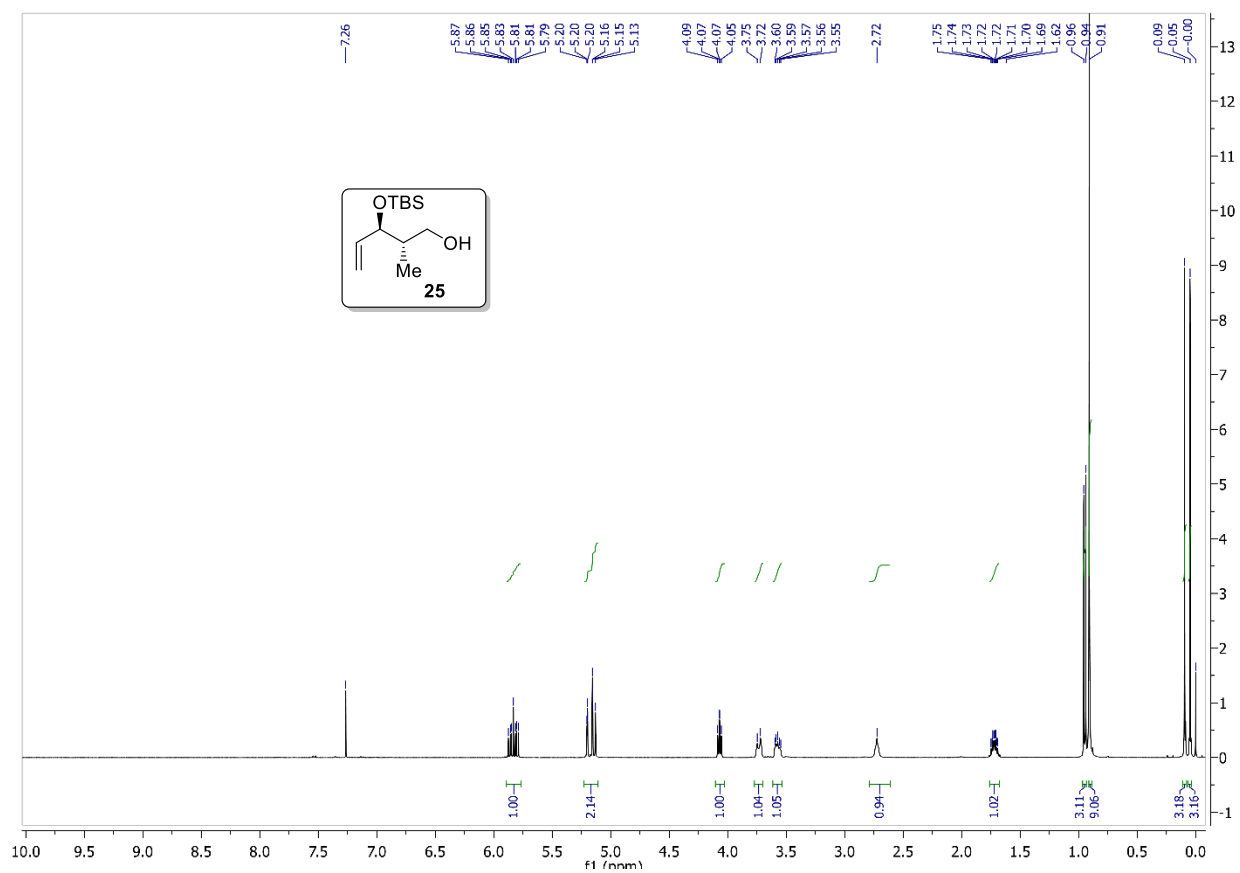
Project Leader: Dr.M.Muthukrishnan  
 Column :Chiralcel OD-H(250 mmx4.6mm)  
 Mobile Ph : EtOH:PE(01:99)  
 Wavelength : 220nm  
 Flow : 1.0 ml/min.  
 Inject vol: 2ul

$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ ) and  $^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ ), **21**

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$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ ) and  $^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ ), **23**

$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ ) and  $^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ ), **24**

$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ ) and  $^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ ), **25**



$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ ) and  $^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ ), **12**