

SUPPORTING INFORMATION

Enantioselective first total synthesis of eujavanoic acid B through organocatalyzed IMDA reaction.

Jayprakash Narayan Kumar and Biswanath Das*

Contents

**Copies of ^1H NMR and ^{13}C NMR Spectra of all Compounds along with Some
Selected HPLC Chromatograms, Mass and IR spectra**

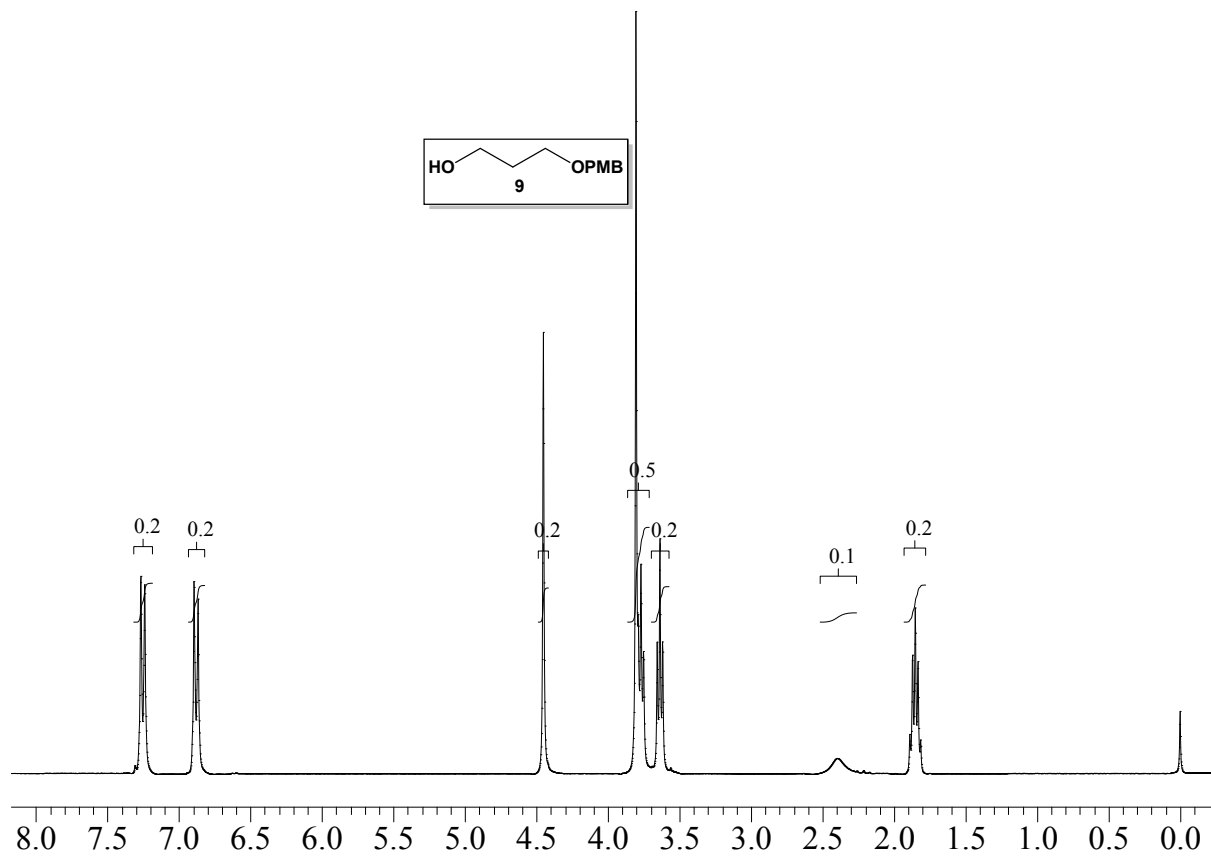


Fig. 1 ¹H NMR spectrum of the compound 9

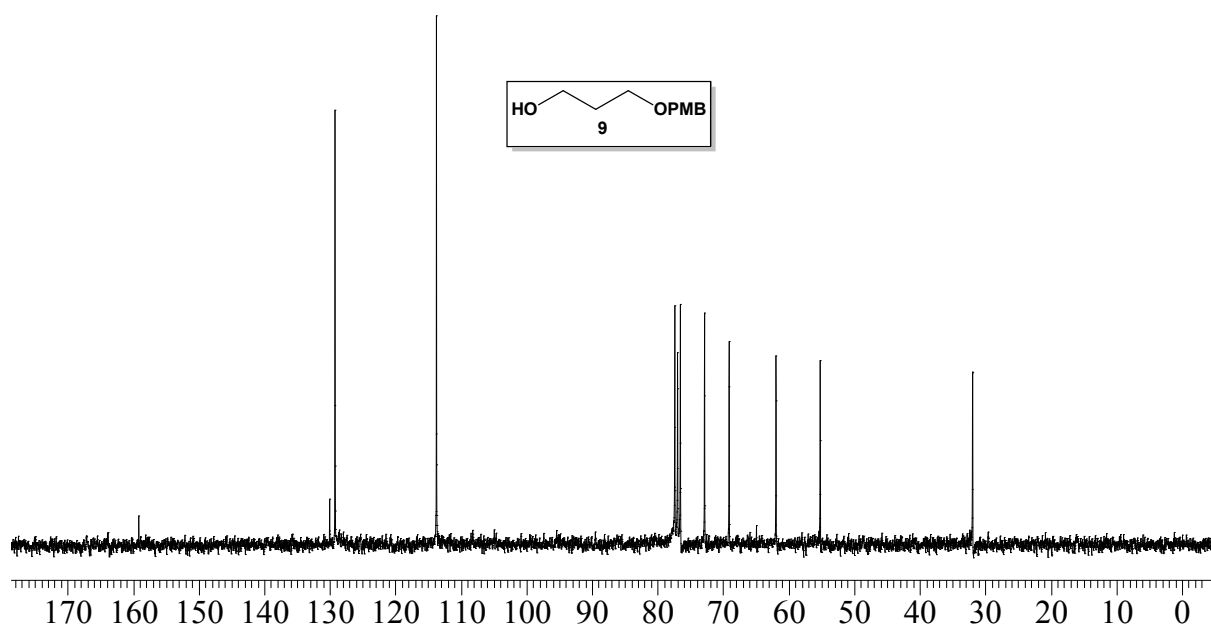


Fig. 2 ¹³C NMR spectrum of the compound 9

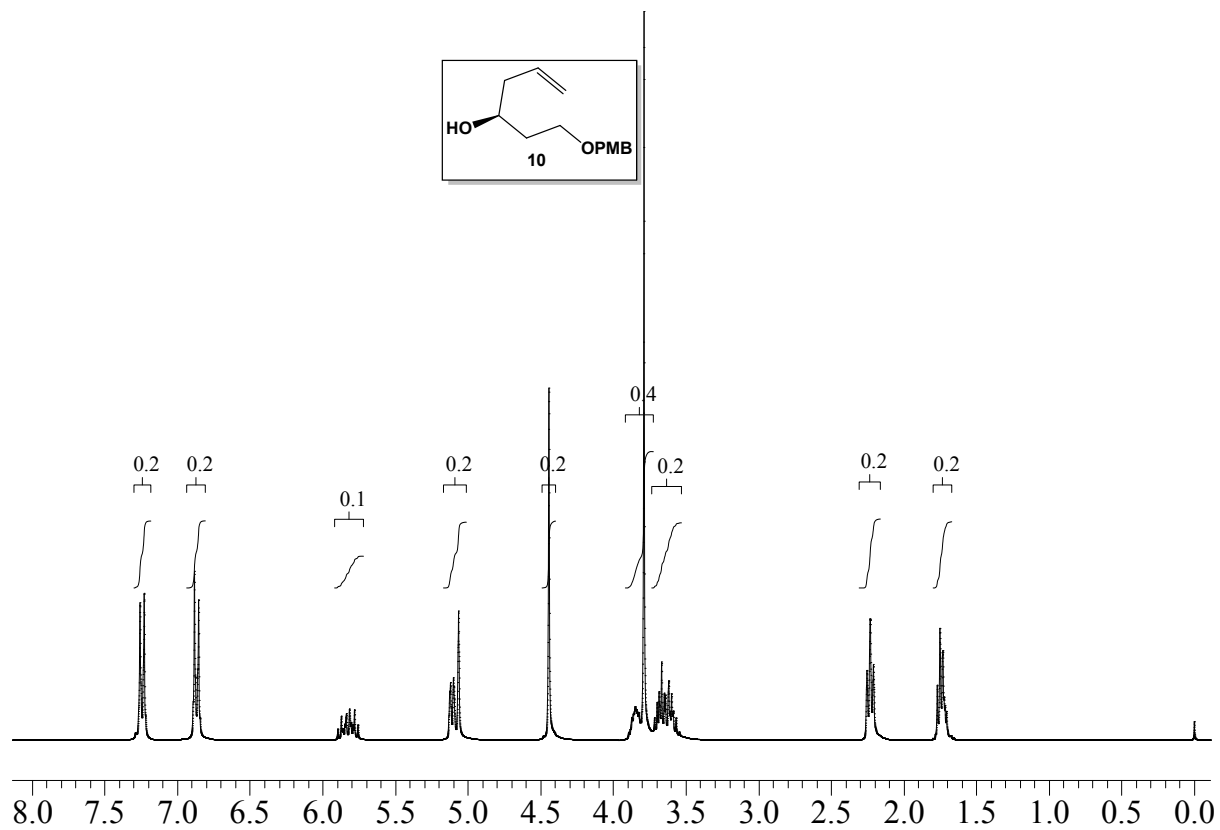


Fig. 3 ¹H NMR spectrum of the compound 10

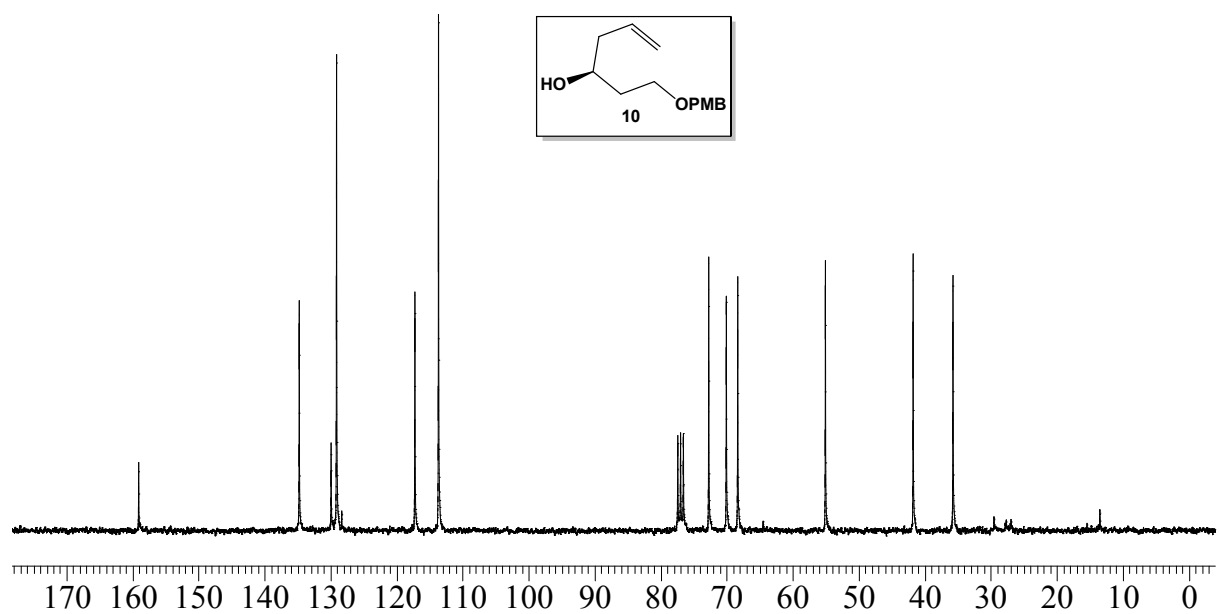
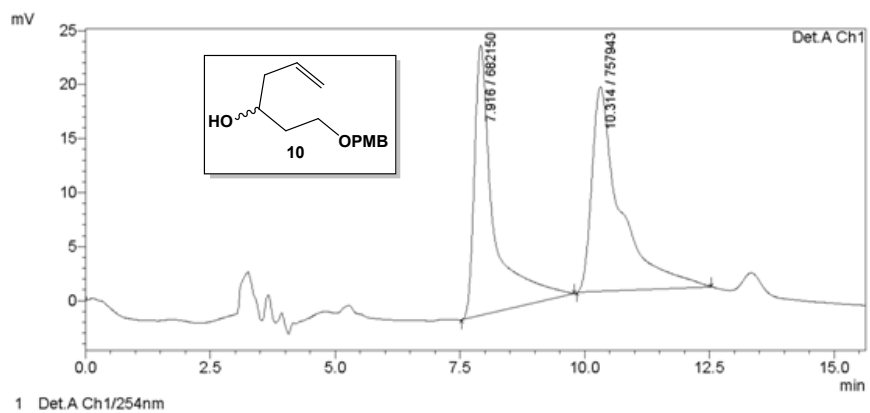


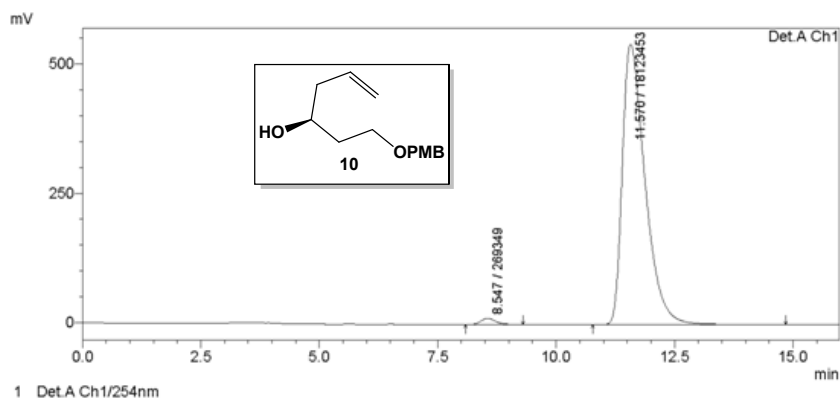
Fig. 4 ¹³C NMR spectrum of the compound 10



PeakTable

Peak#	Ret. Time	Area	Height	Area %	Height %
1	7.916	682150	24997	47.368	56.922
2	10.314	757943	18917	52.632	43.078
Total		1440093	43914	100.000	100.000

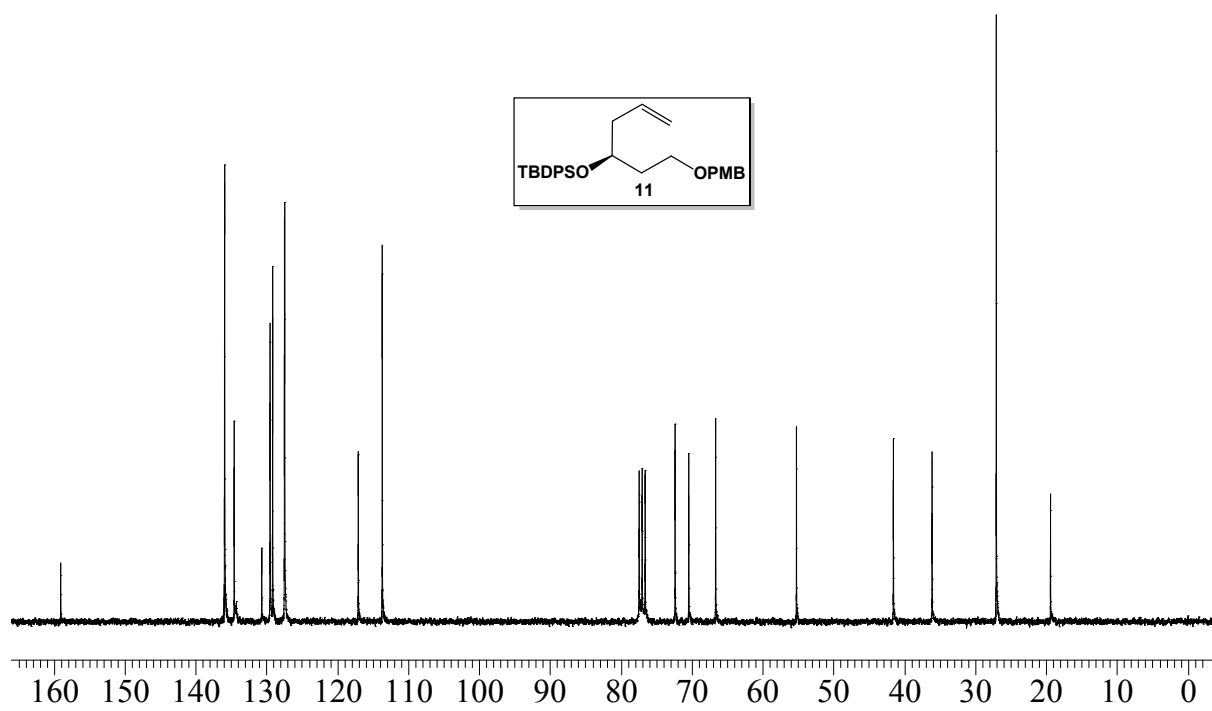
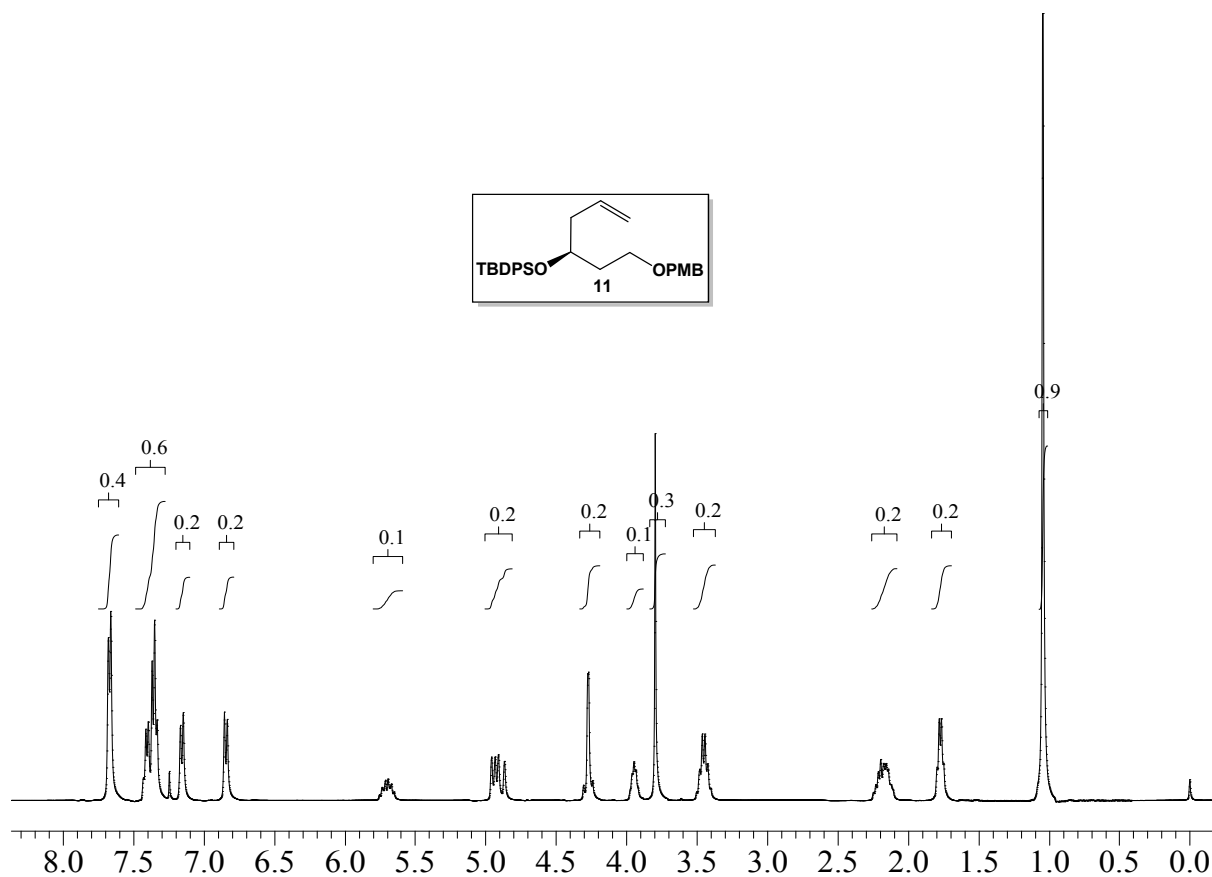
Fig. 5 HPLC chromatogram for the racemic compound 10



PeakTable

Peak#	Ret. Time	Area	Height	Area %	Height %
1	8.547	269349	12107	1.464	2.183
2	11.570	18123453	542370	98.536	97.817
Total		18392802	554477	100.000	100.000

Fig. 6 HPLC chromatogram for the enantiopure compound 10



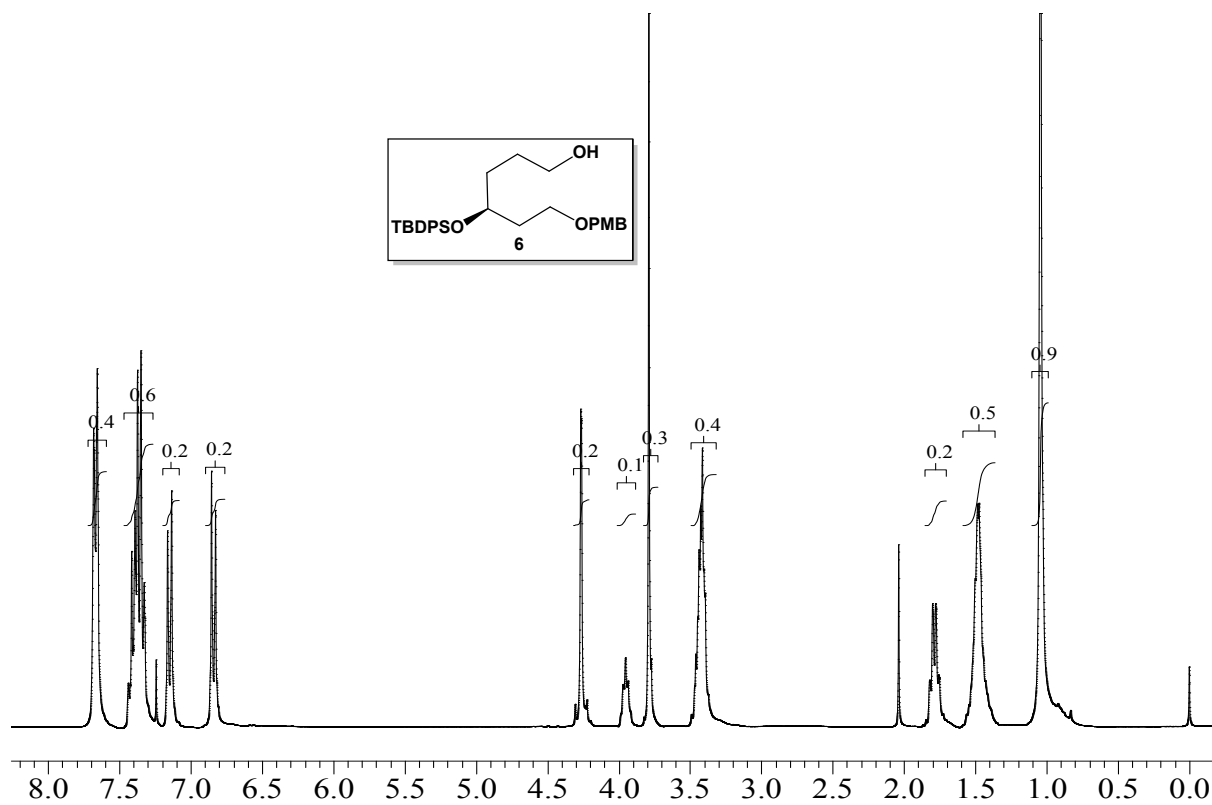


Fig. 9 ¹H NMR spectrum of the compound 6

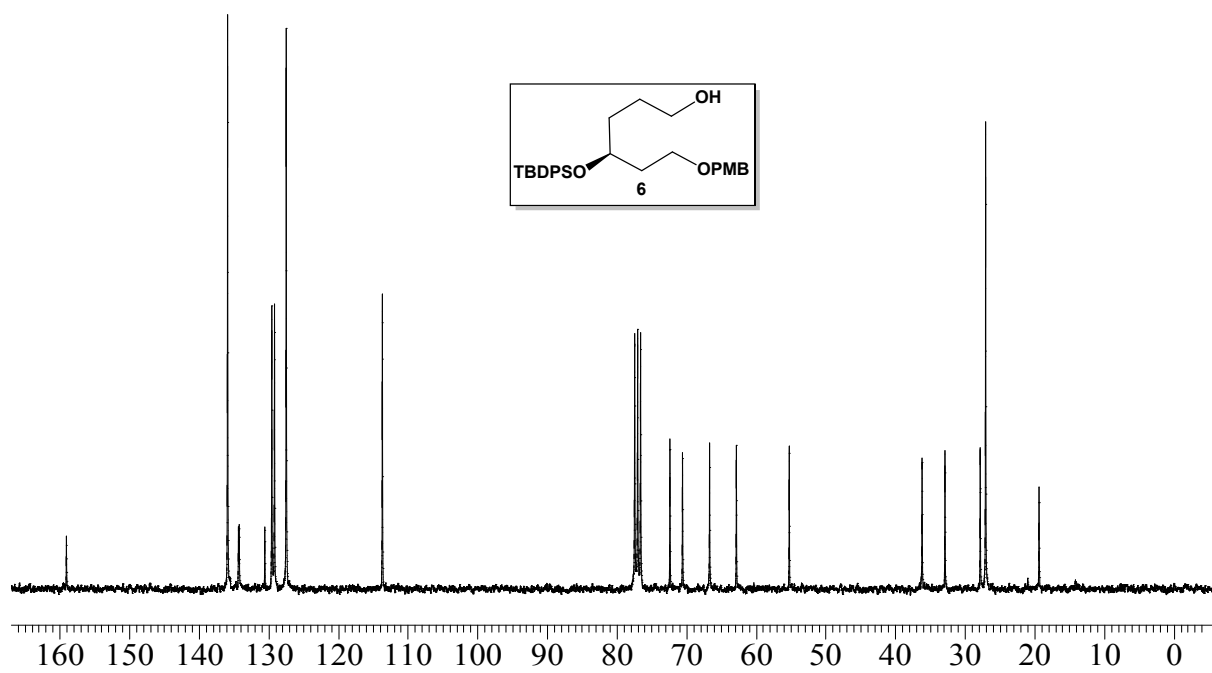


Fig. 10 ¹³C NMR spectrum of the compound 6

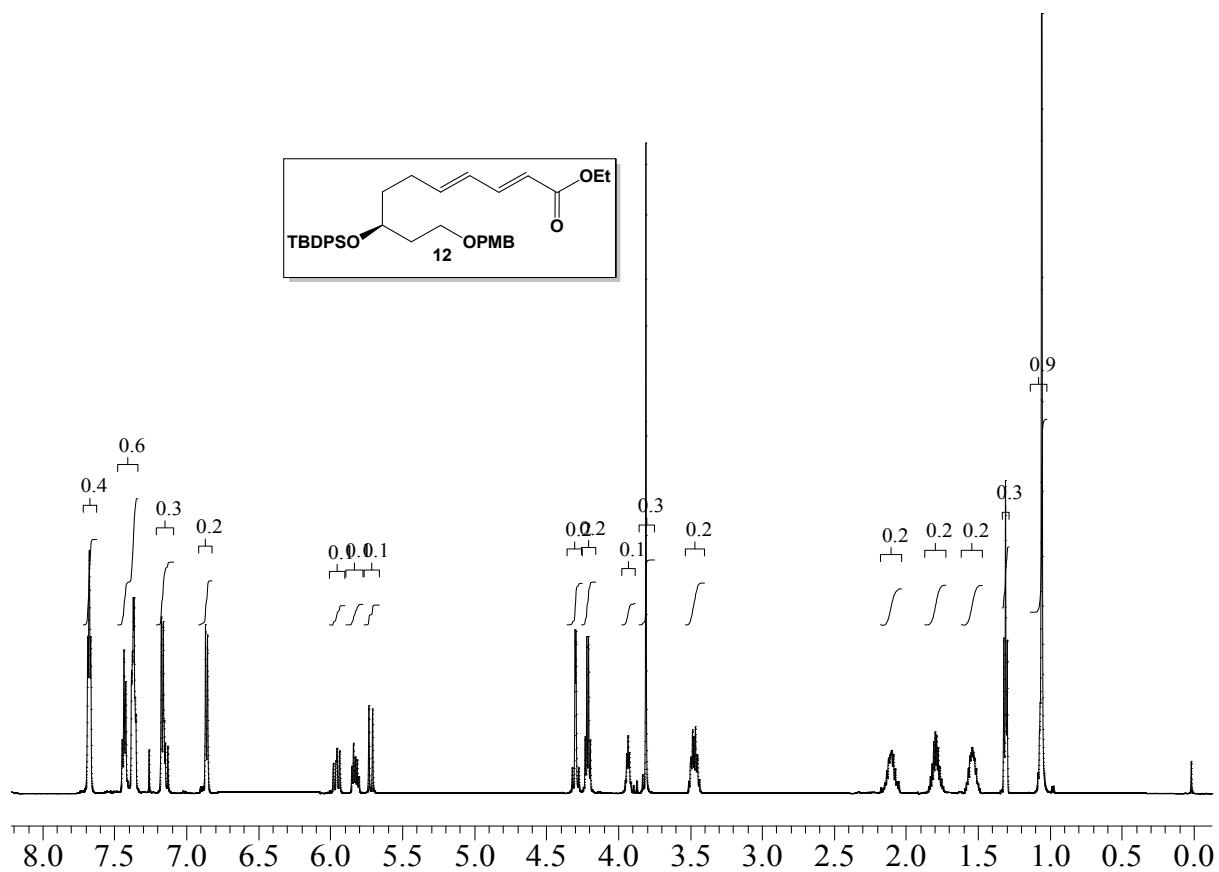


Fig. 11 ^1H NMR spectrum of the compound 12

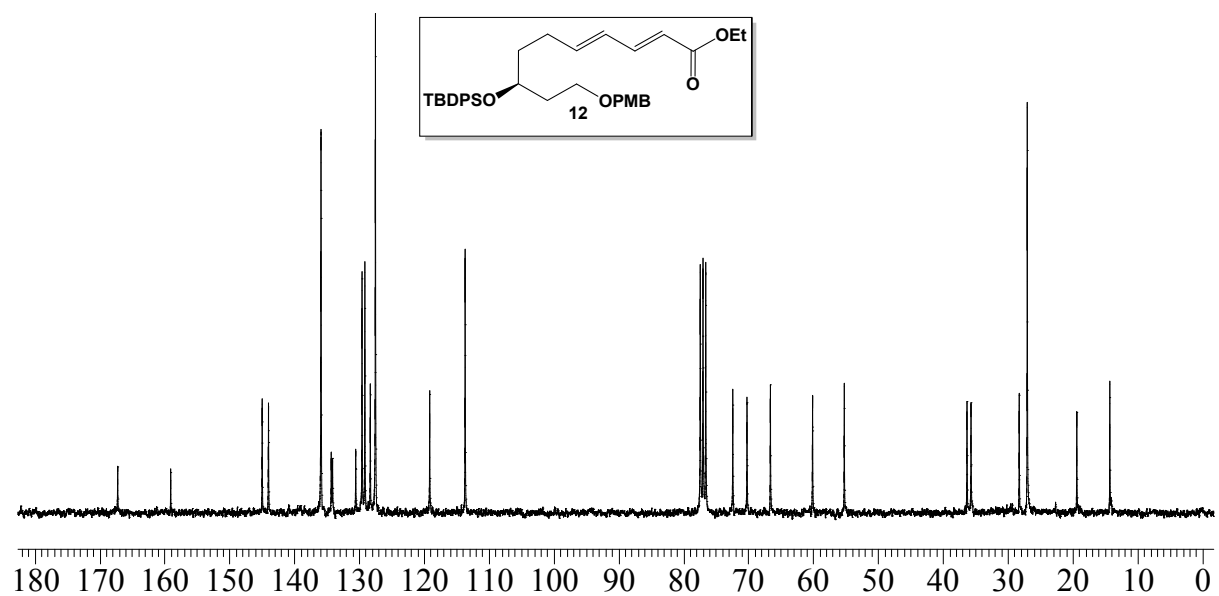


Fig. 12 ^{13}C NMR spectrum of the compound 12

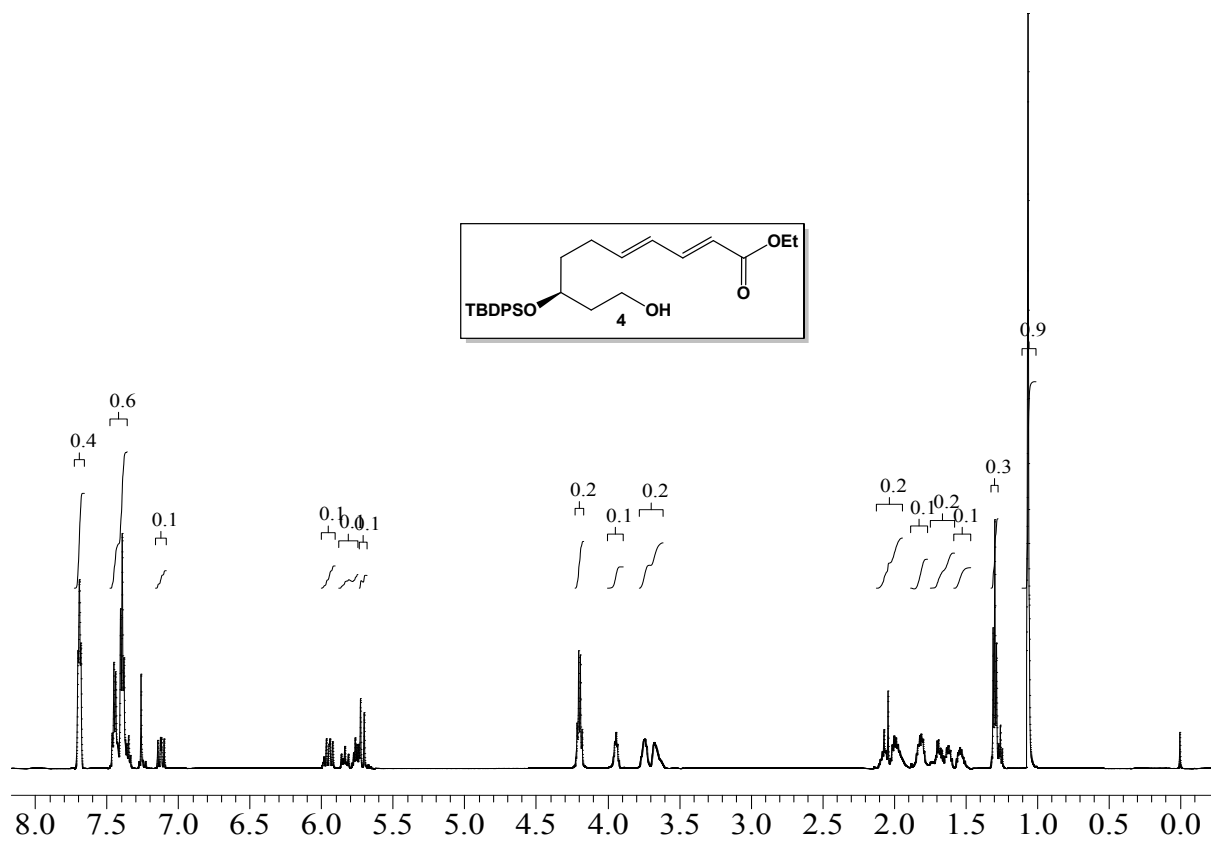


Fig. 13 ¹H NMR spectrum of the compound 4

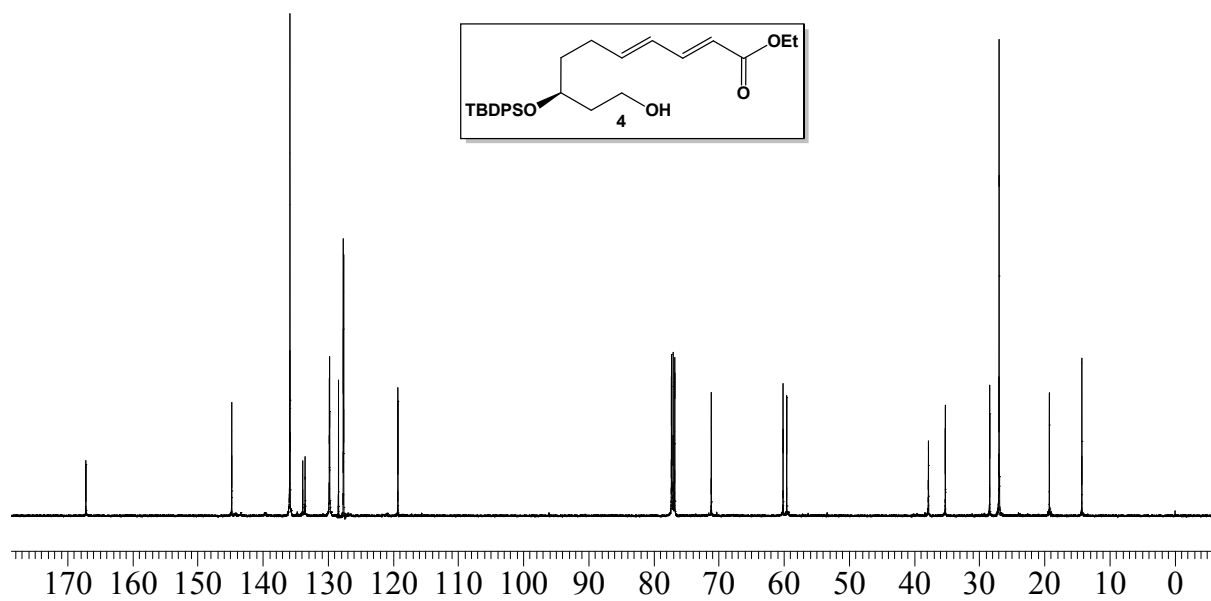
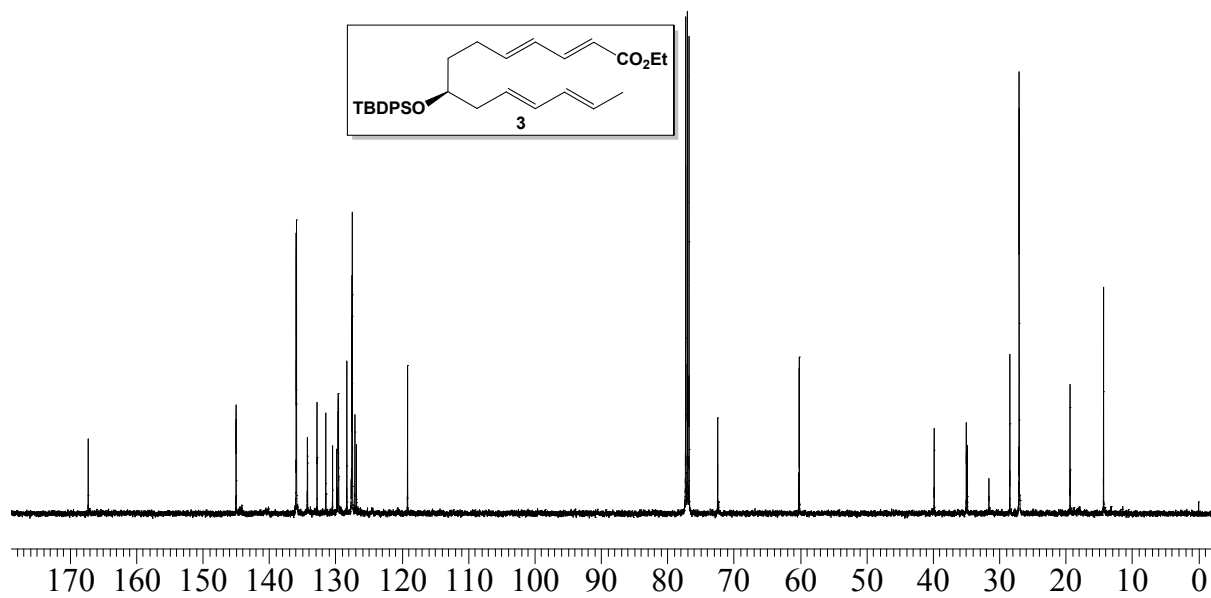
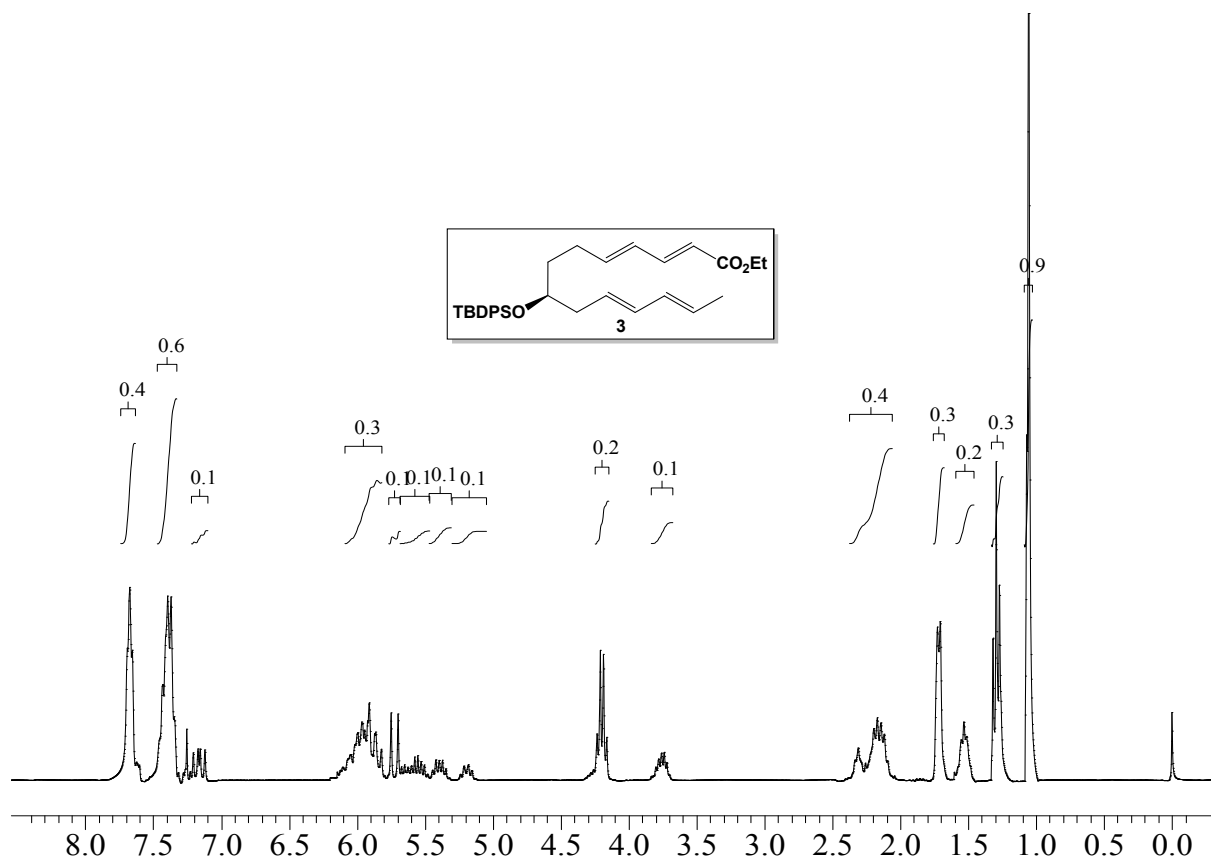


Fig. 14 ¹³C NMR spectrum of the compound 4



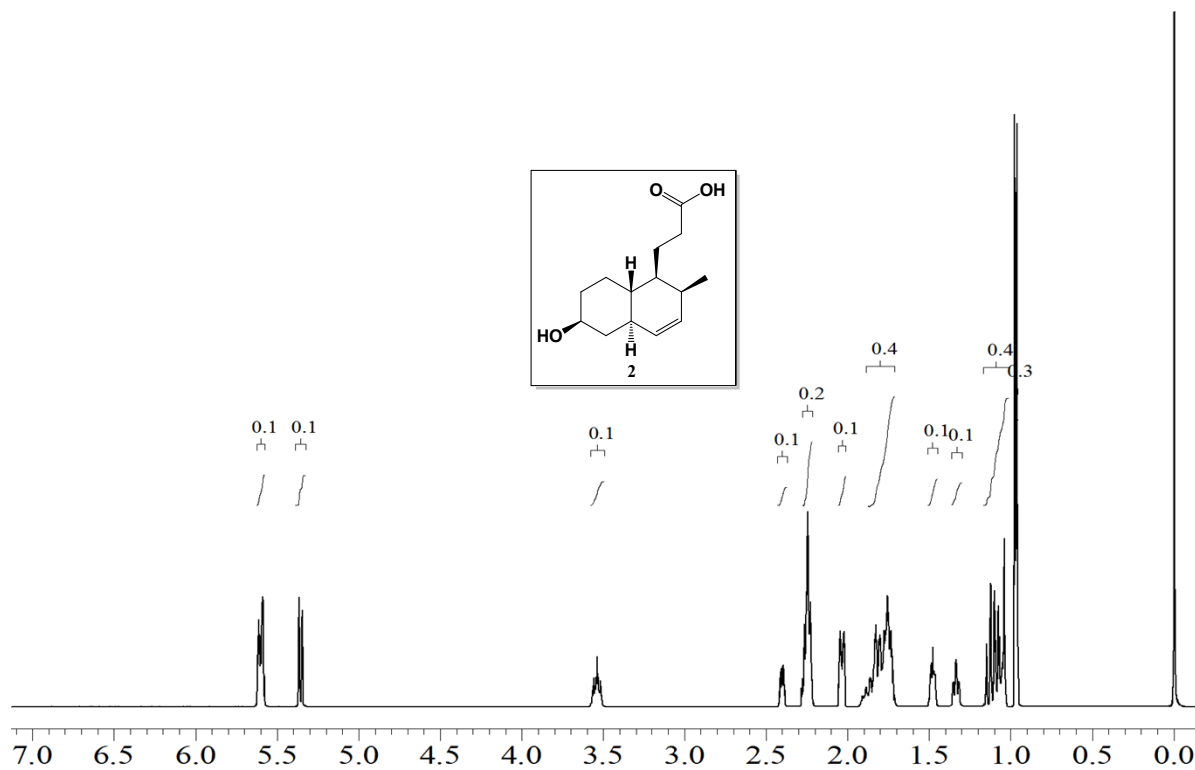


Fig. 17 ¹H NMR spectrum of the compound 2

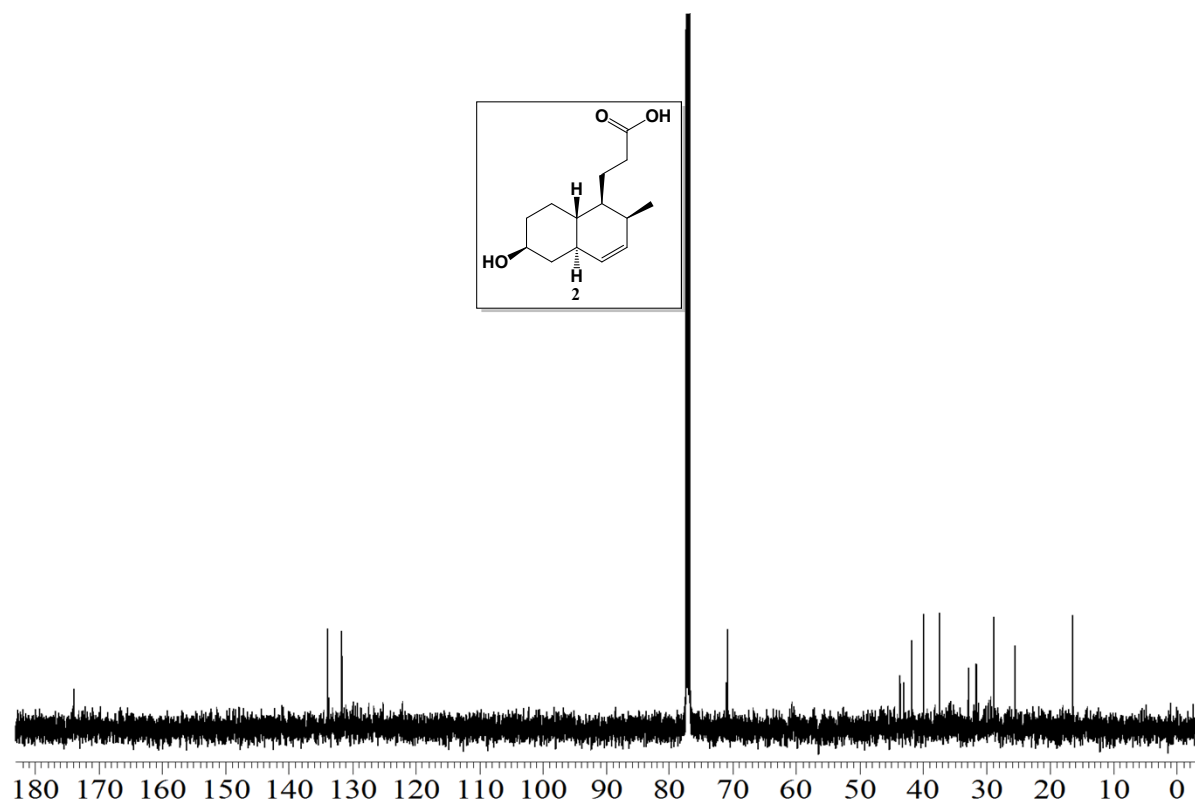


Fig. 18 ¹³C NMR spectrum of the compound 2

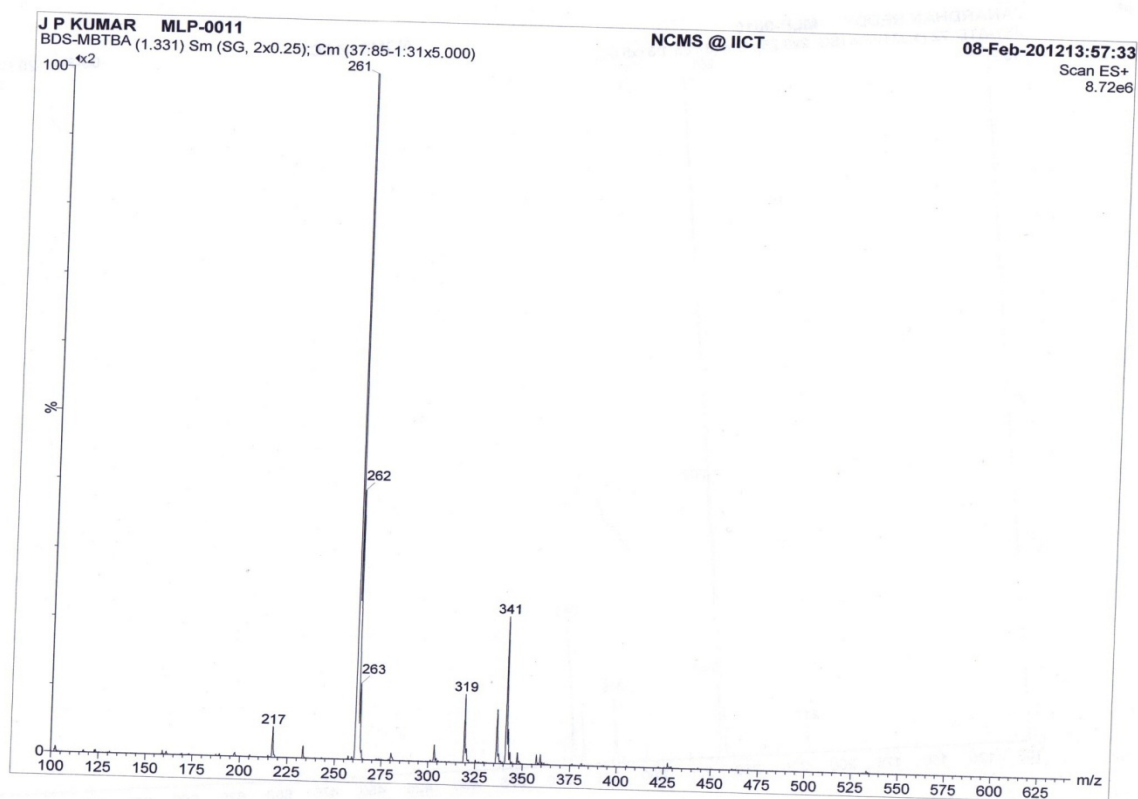
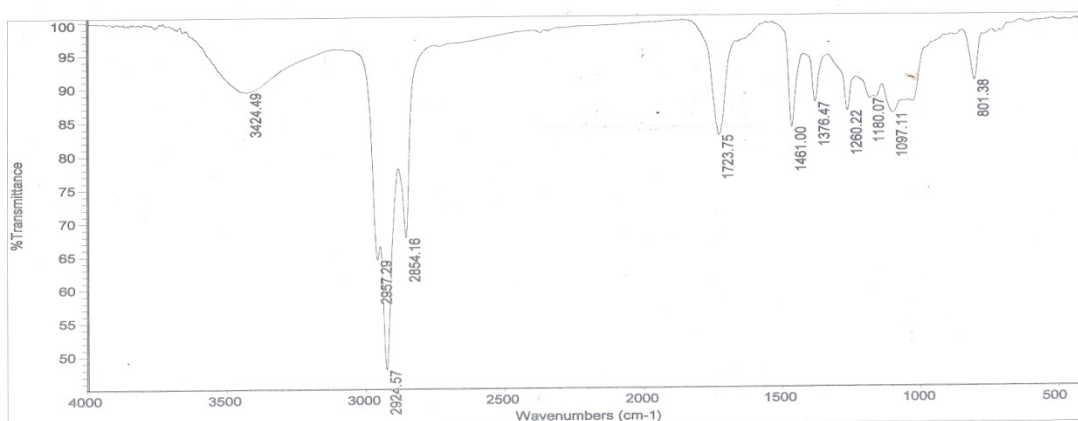


Fig. 19 ESIMS spectrum of the compound 2

Indian Institute of Chemical Technology, Hyderabad
 FTIR Analysis Report



Sample Name: JSY-LAR [NEAT]
 Sample Preparation:
 Collection time: Tue Apr 17 15:09:24 2012 (GMT+05:30)
 Bench: Thermo Nicolet Nexus 670 Spectrometer
 Resolution: 4cm⁻¹

Detector: DTGS KBr
 Beamsplitter: KBr
 Source: IR
 Analyst Name:

Fig. 20 IR spectrum of the compound 2