

Supporting Information

Identification and Total Synthesis of Two Previously Unreported Odd-Chain Bis-Methylene-Interrupted Fatty Acids with a Terminal Olefin that Activate Protein Phosphatase, Mg²⁺/Mn²⁺-Dependent 1A (PPM1A) in Ovaries of the Limpet *Cellana toreuma*

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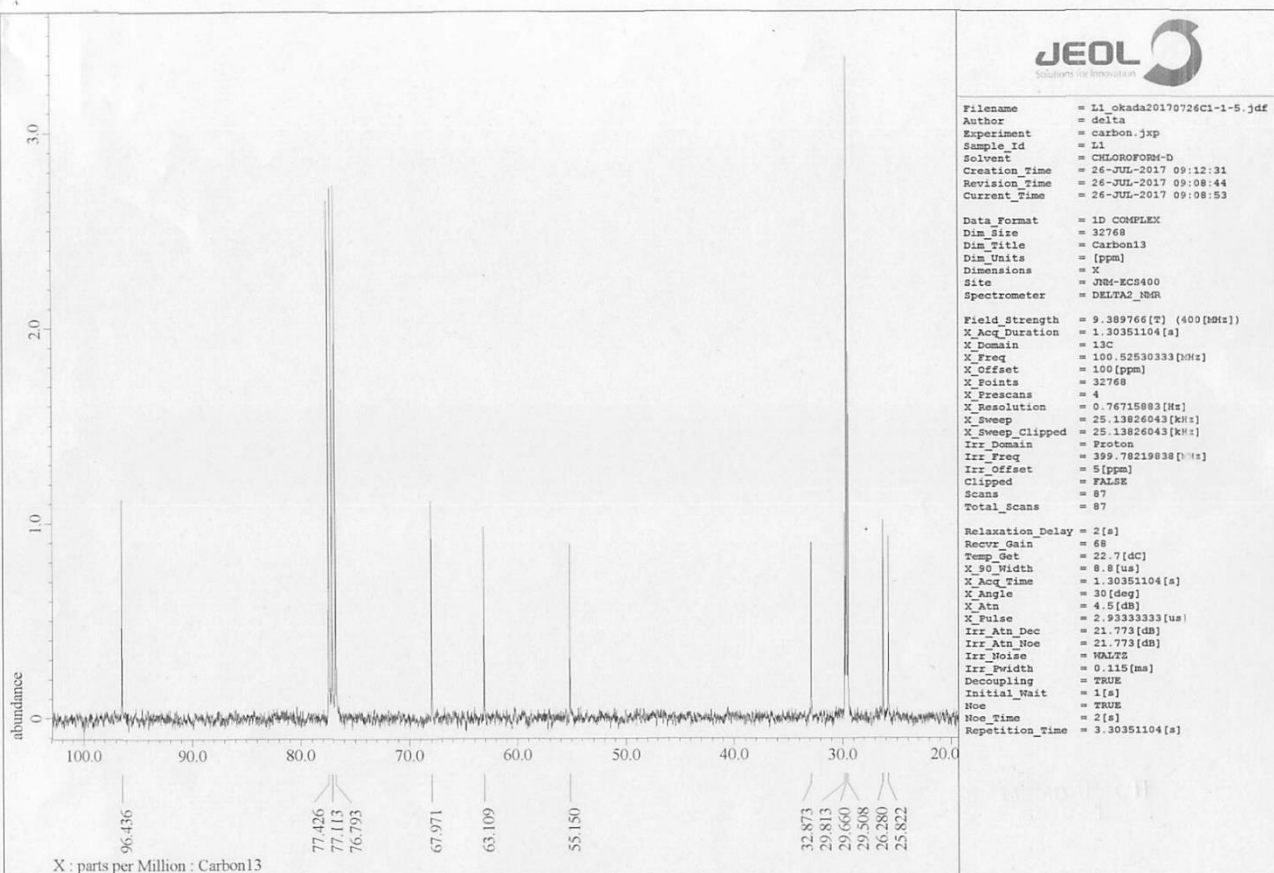
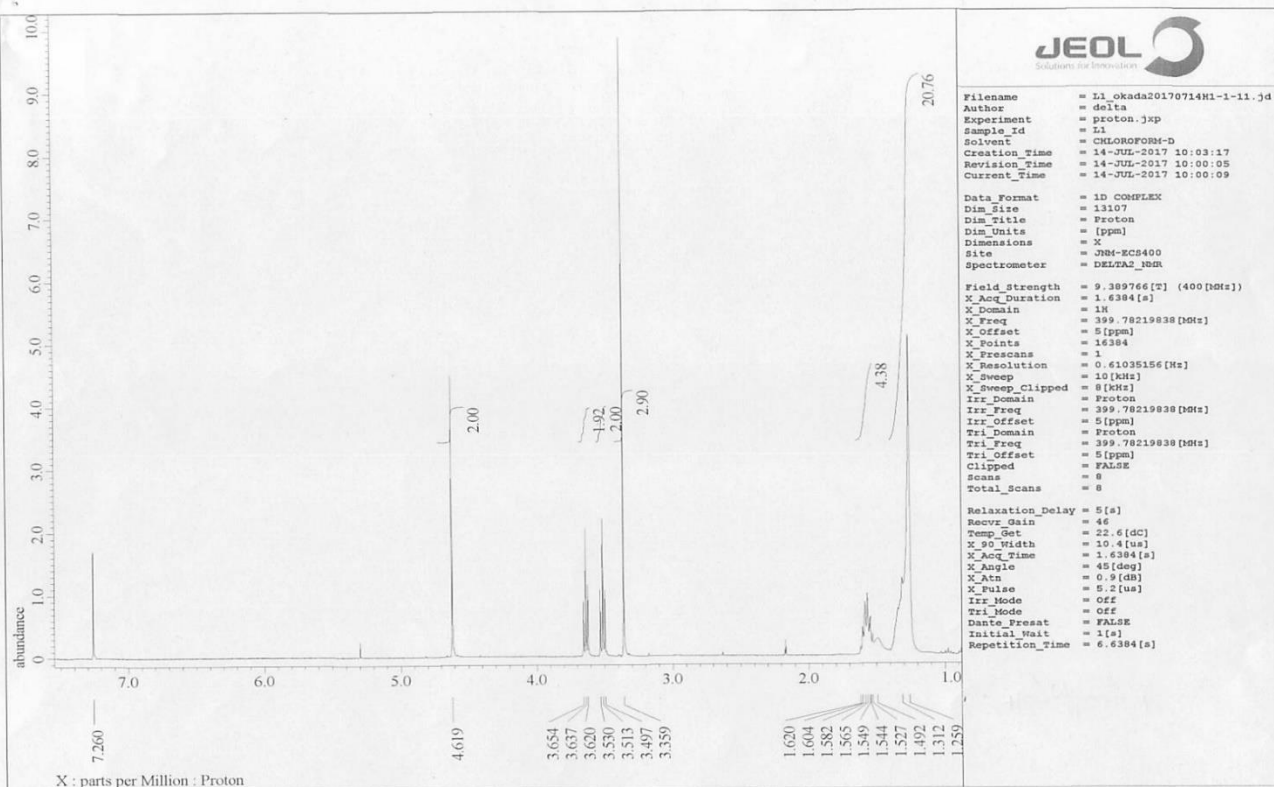


Figure S1 ¹H and ¹³CMR spectra of **4b**

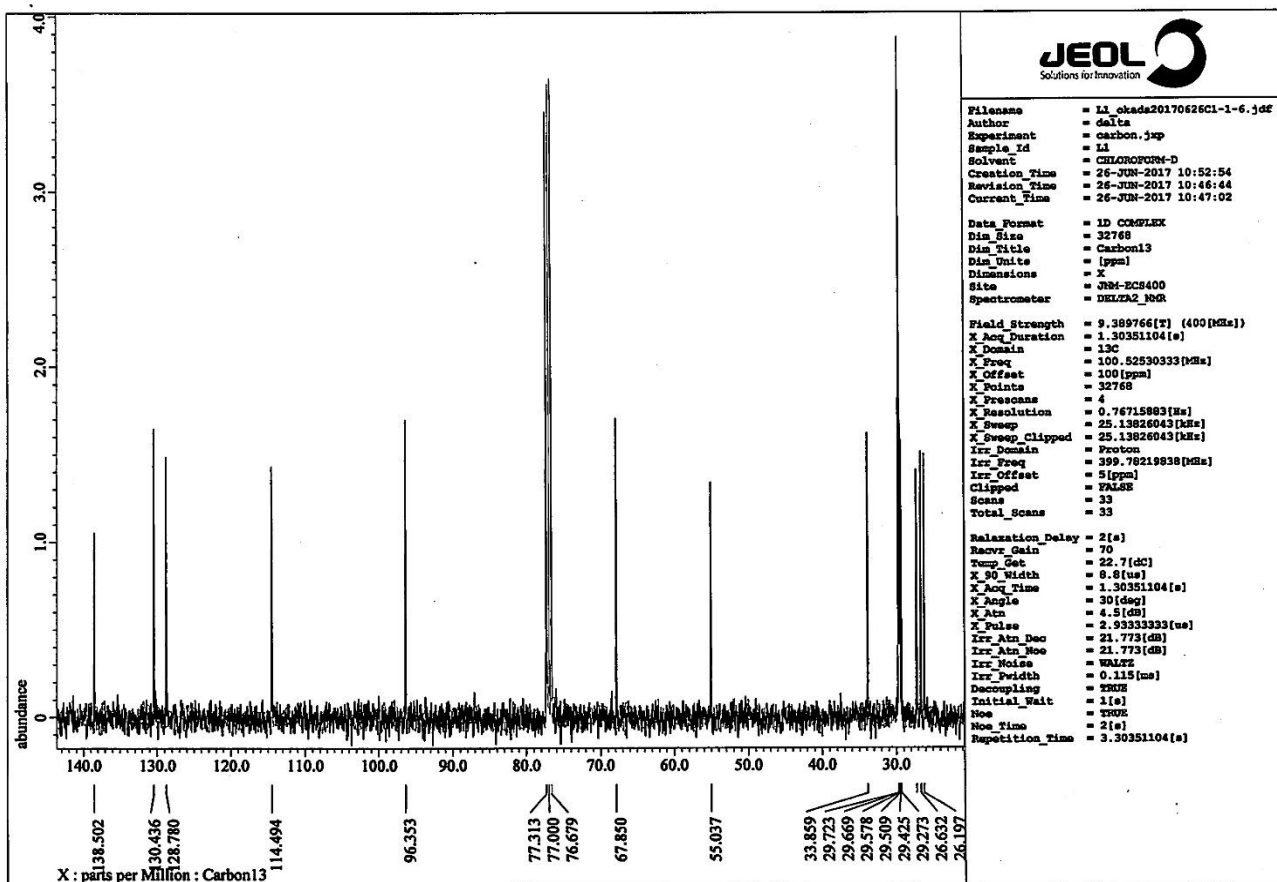
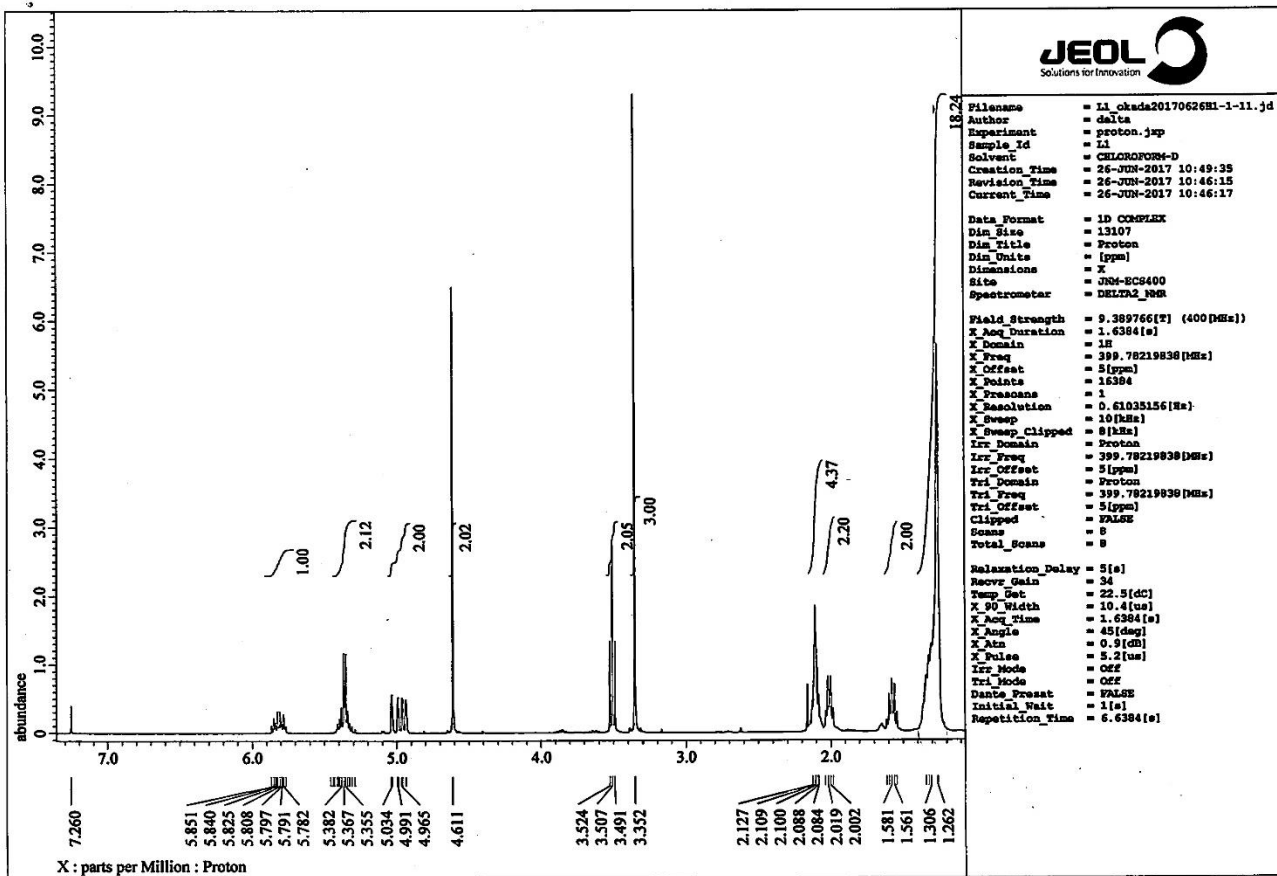


Figure S2 ¹H and ¹³CMR spectra of 6a

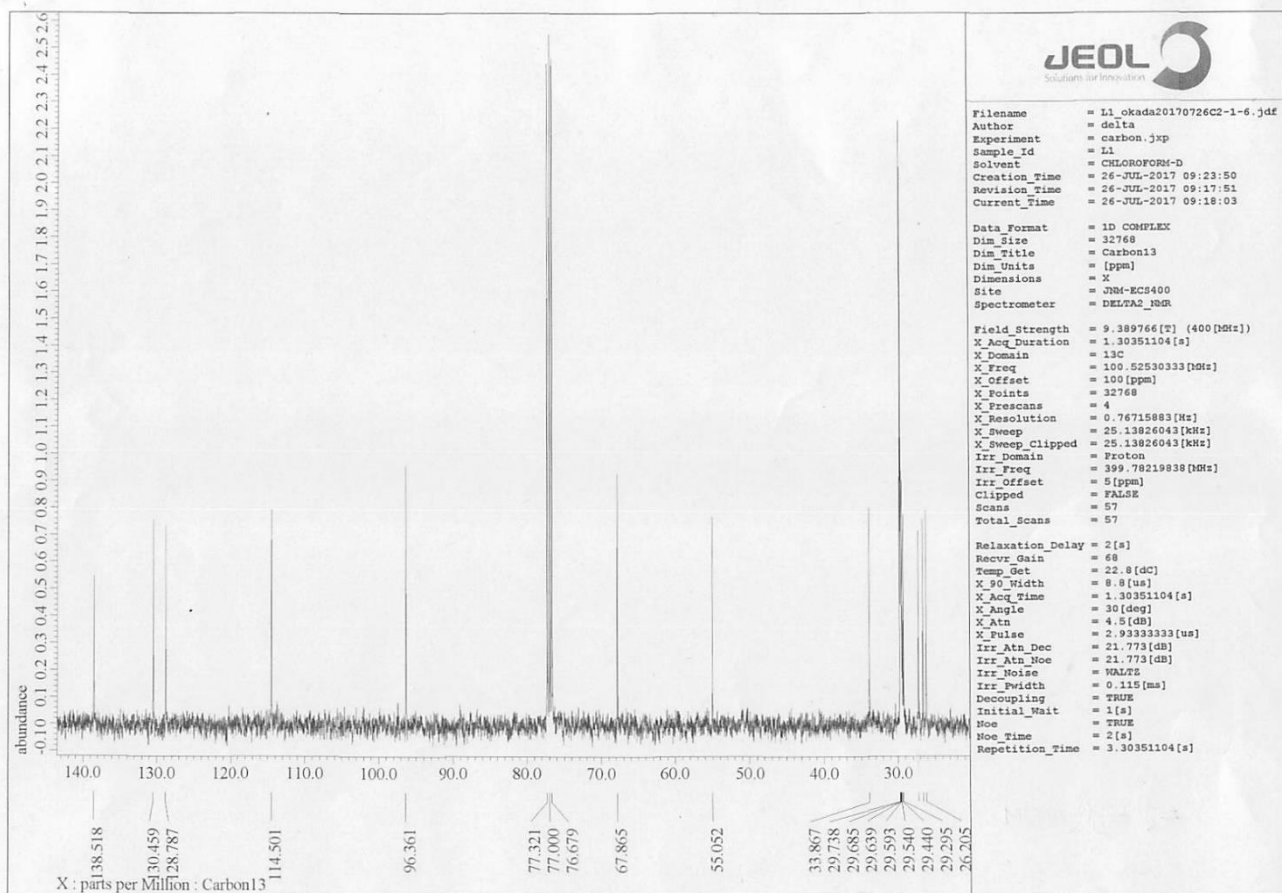
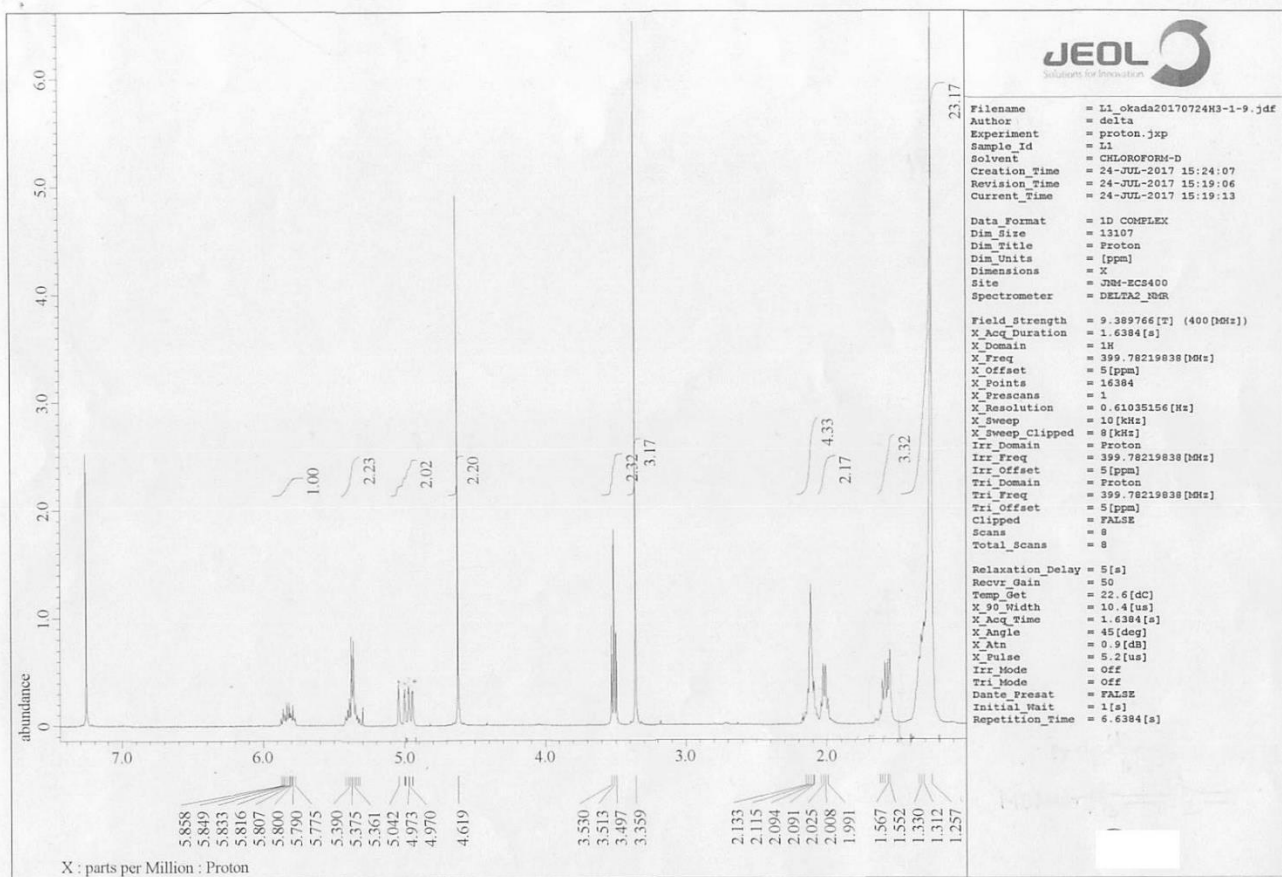


Figure S3 ¹H and ¹³CMR spectra of **6b**

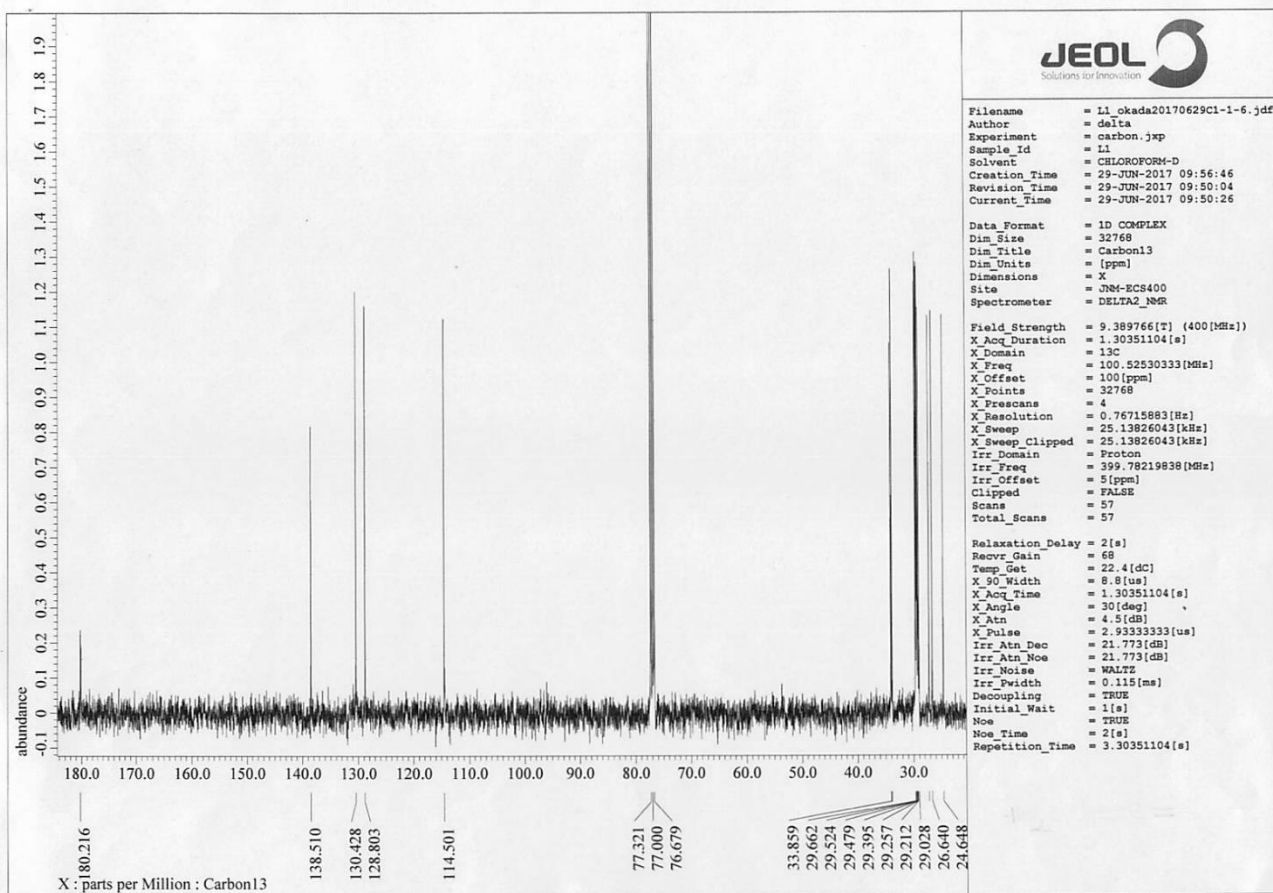
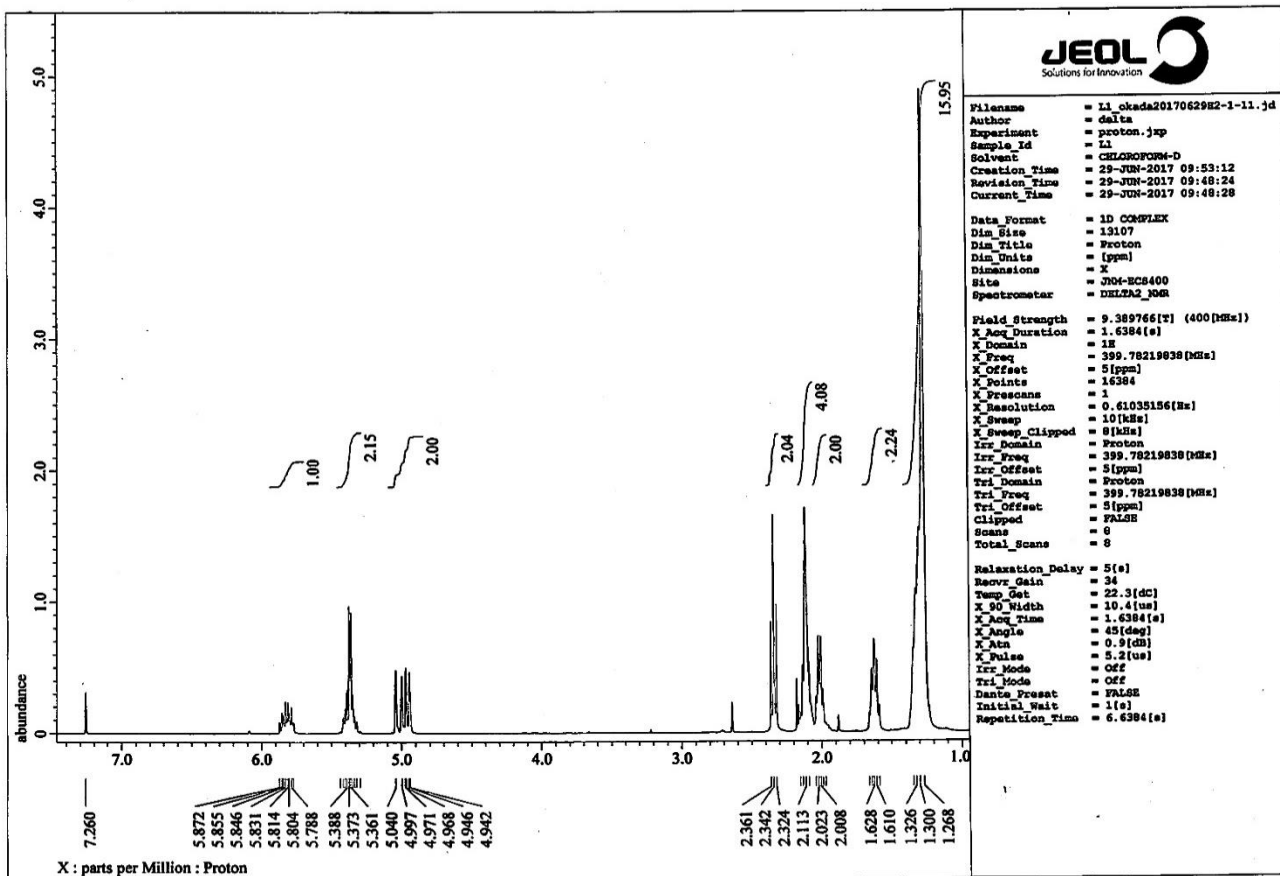


Figure S4 ^1H and ^{13}C MR spectra of synthesized compound 1

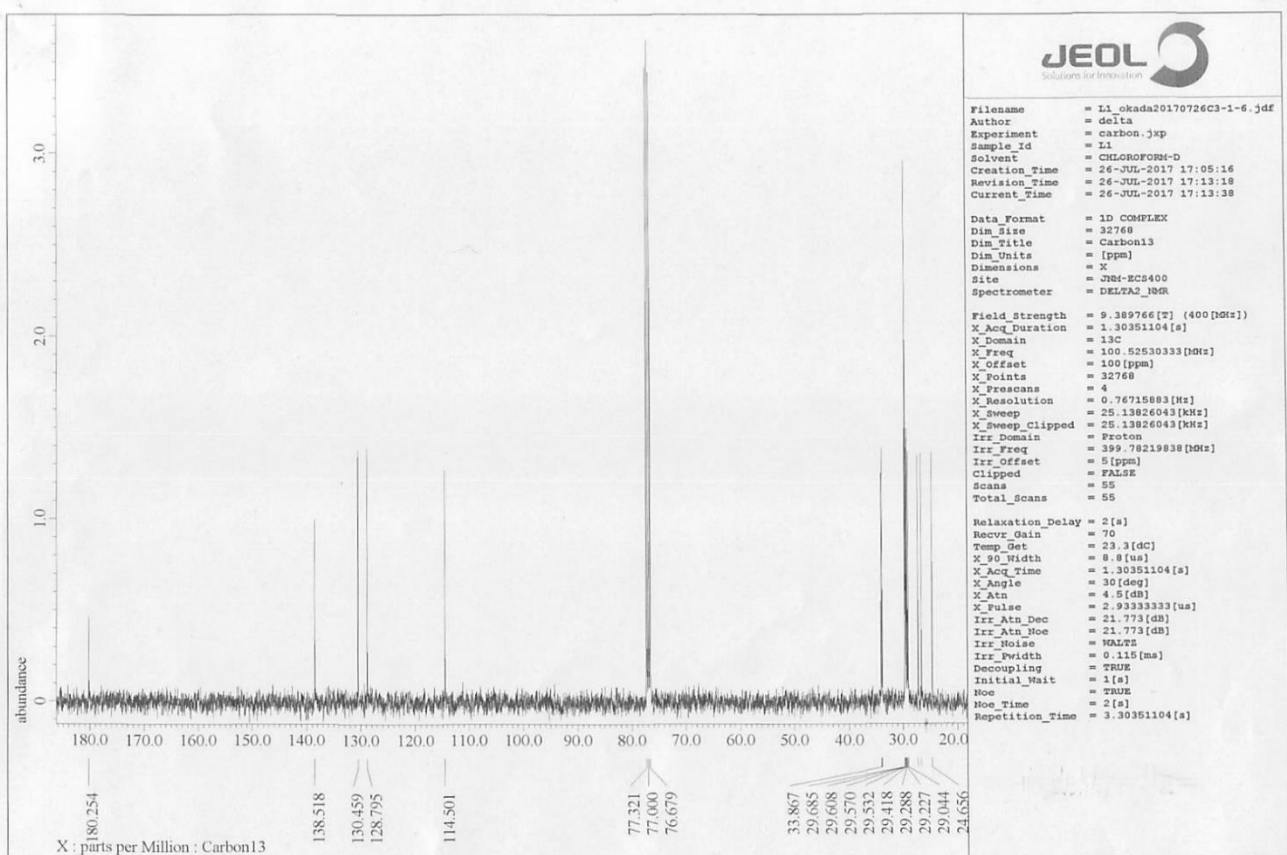
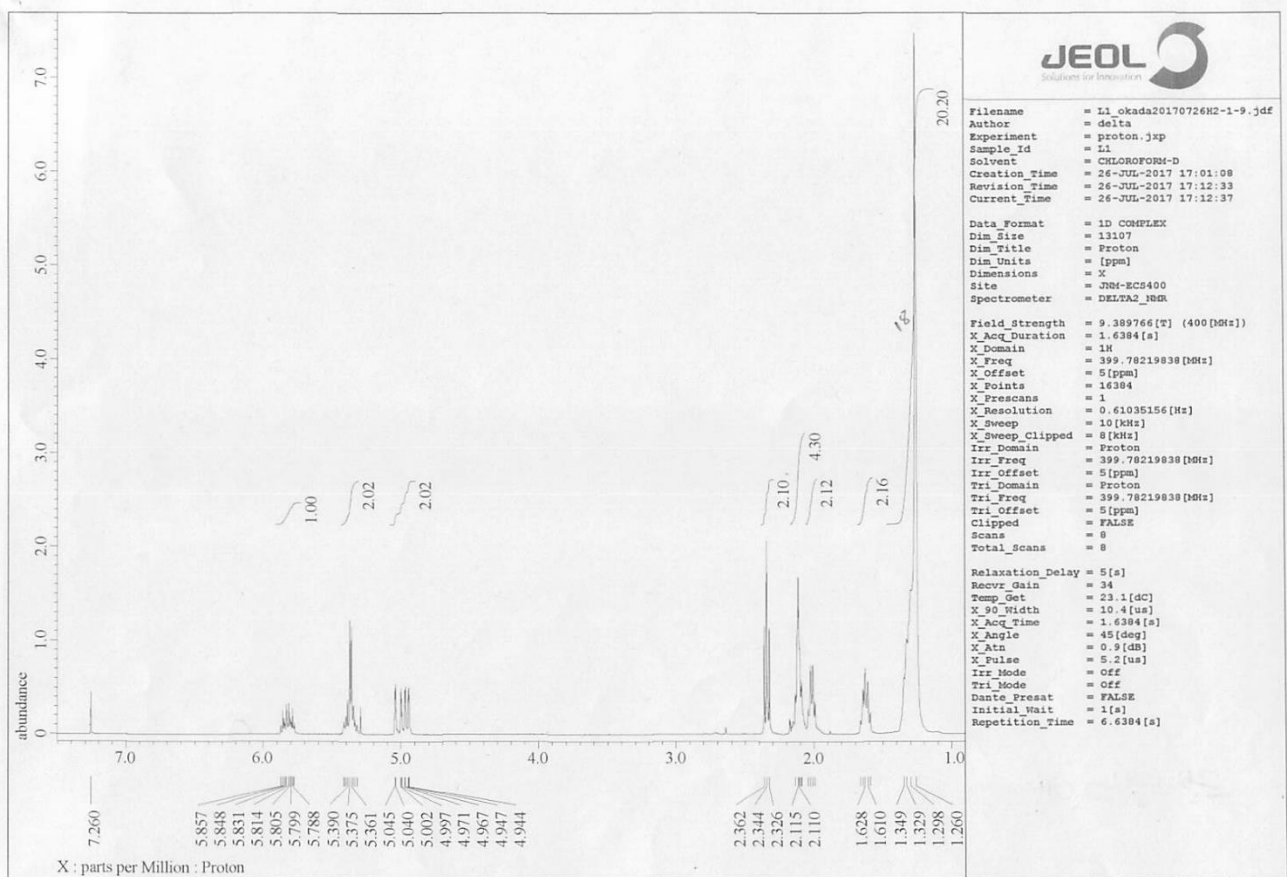


Figure S5 ¹H and ¹³CMR spectra of synthesized compound 2