

Applied Microbiology and Biotechnology

Supporting Information

Polyhydroxyalkanoate-based 3-hydroxyoctanoic acid and its derivatives as a platform of bioactive compounds

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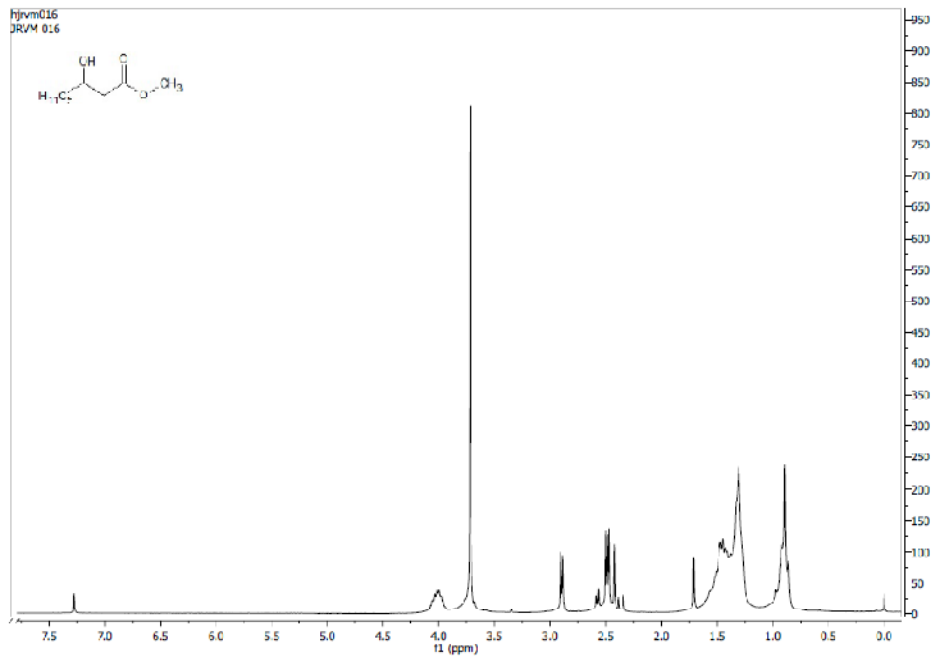
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#Current address: Jerzy Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences, Niezapominajek 8, 30-239 Cracow, Poland

Scanned Spectra

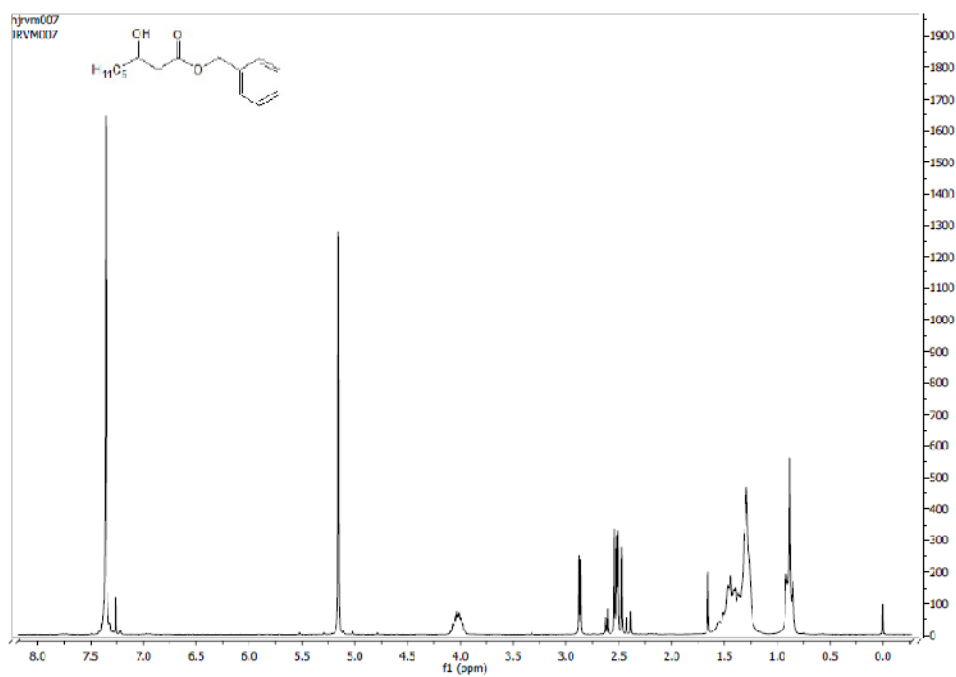
Methyl-3-hydroxyoctanoate (1)

^1H NMR

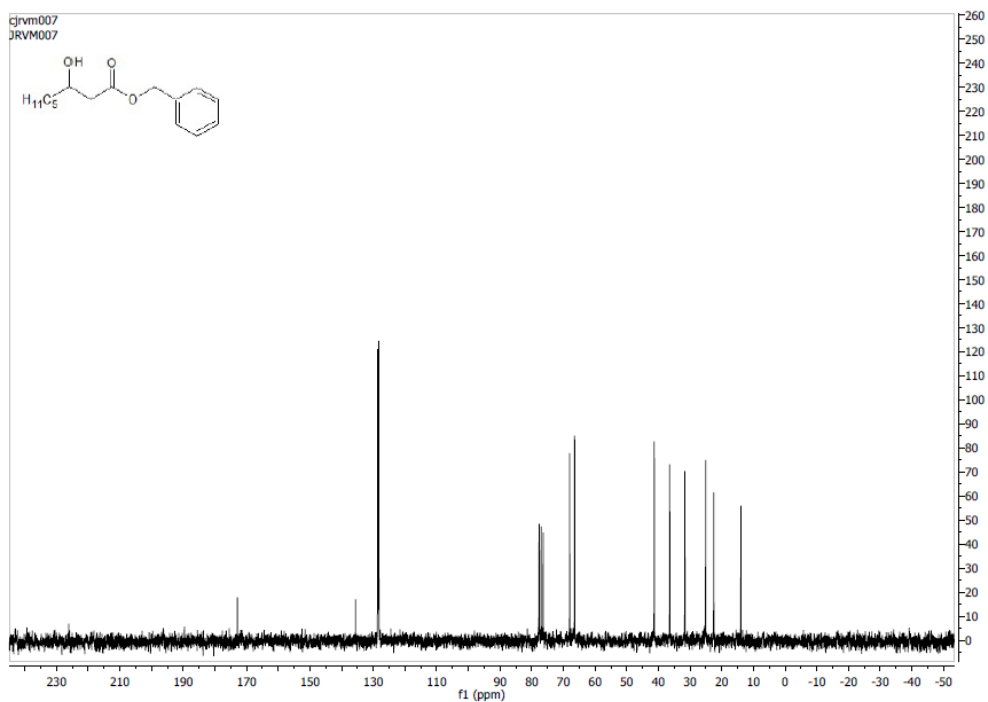


Benzyl-3-hydroxyoctanoate (2)

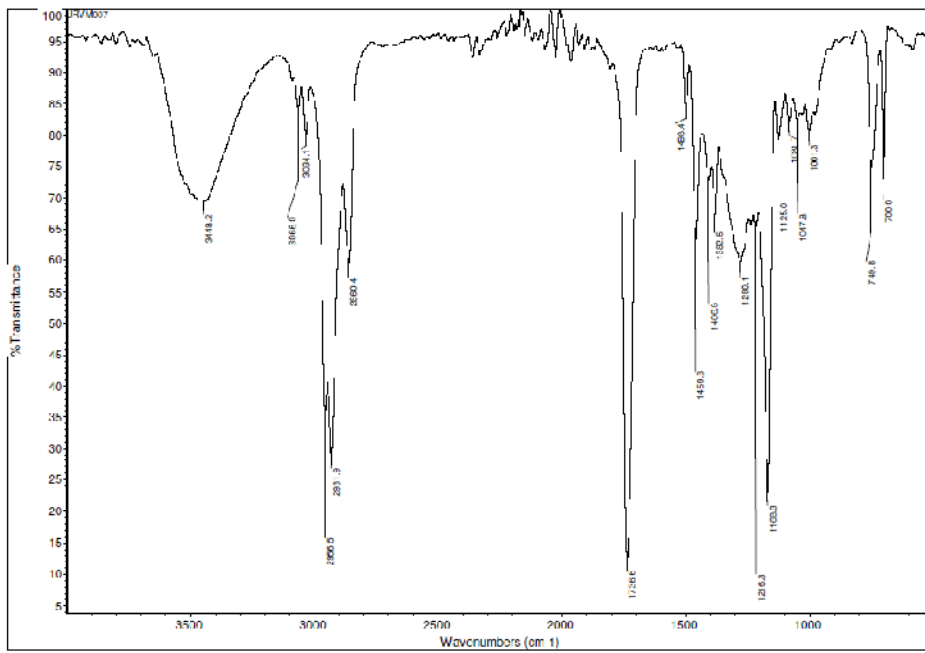
^1H NMR



^{13}C NMR

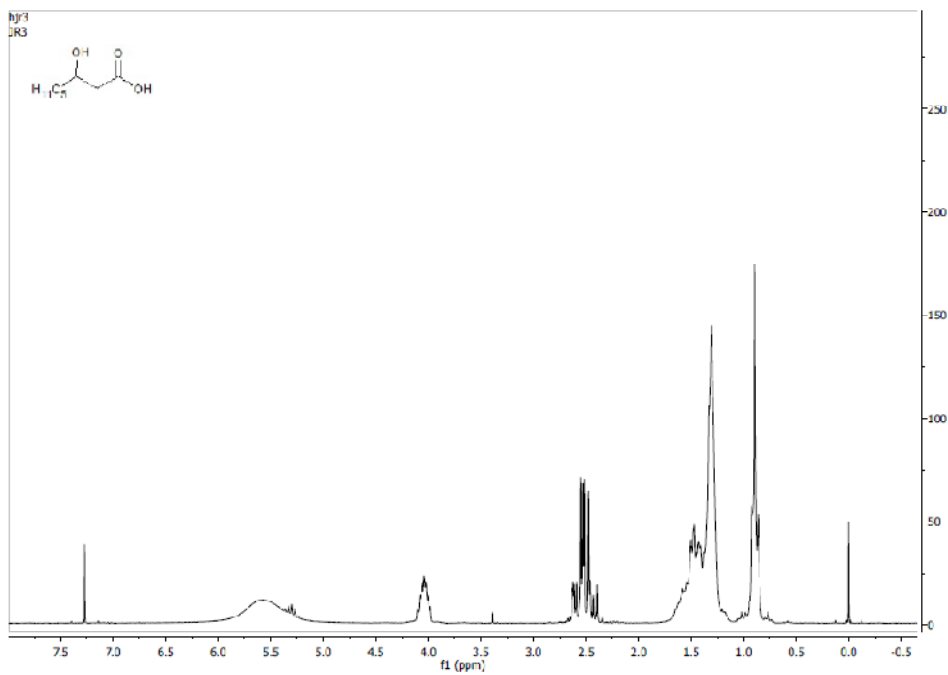


IR

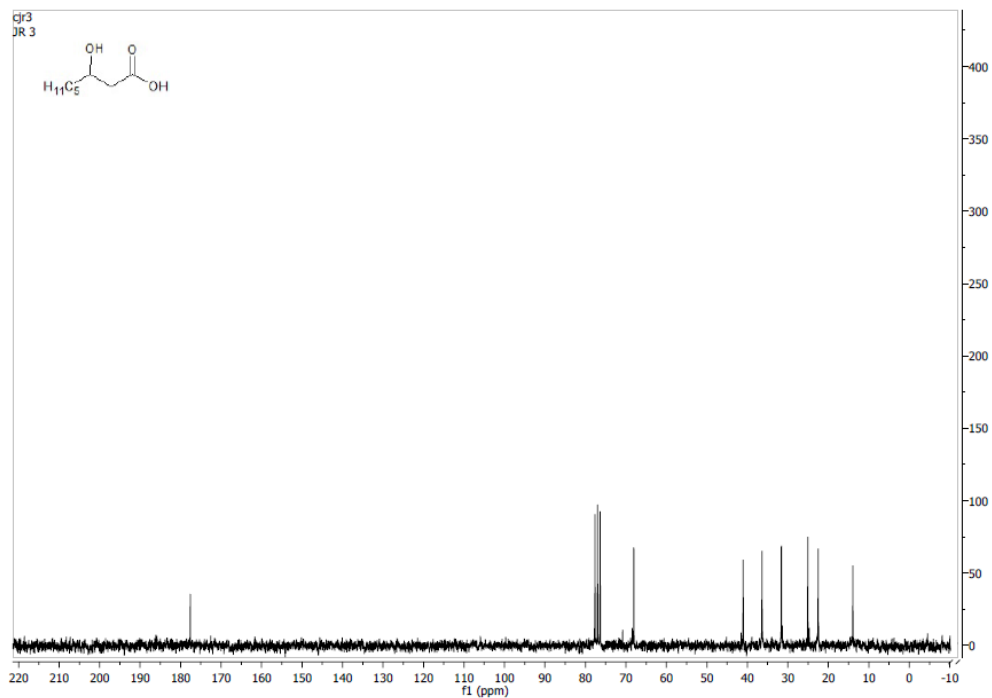


3-Hydroxyoctanoic acid (3)

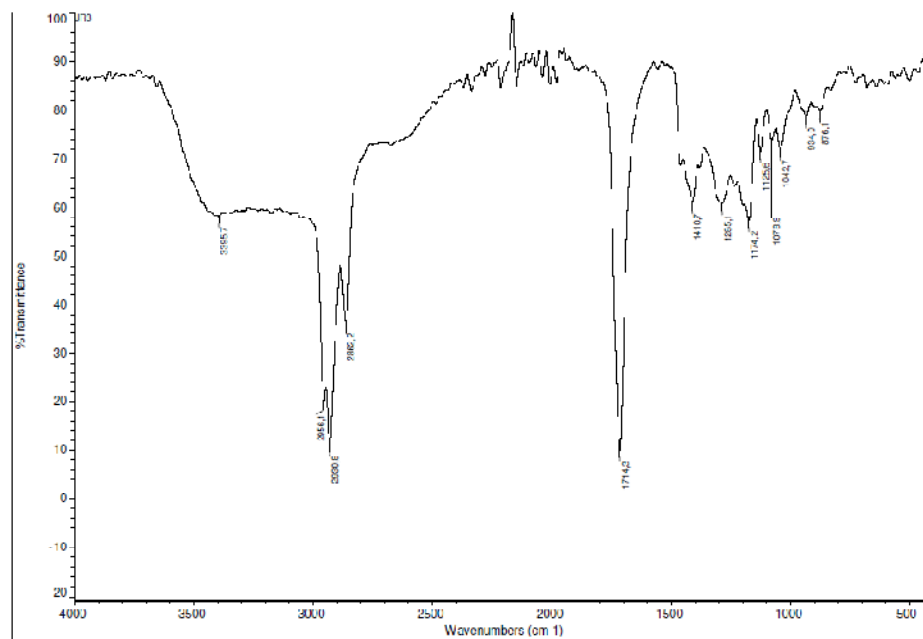
¹H NMR



¹³CNMR

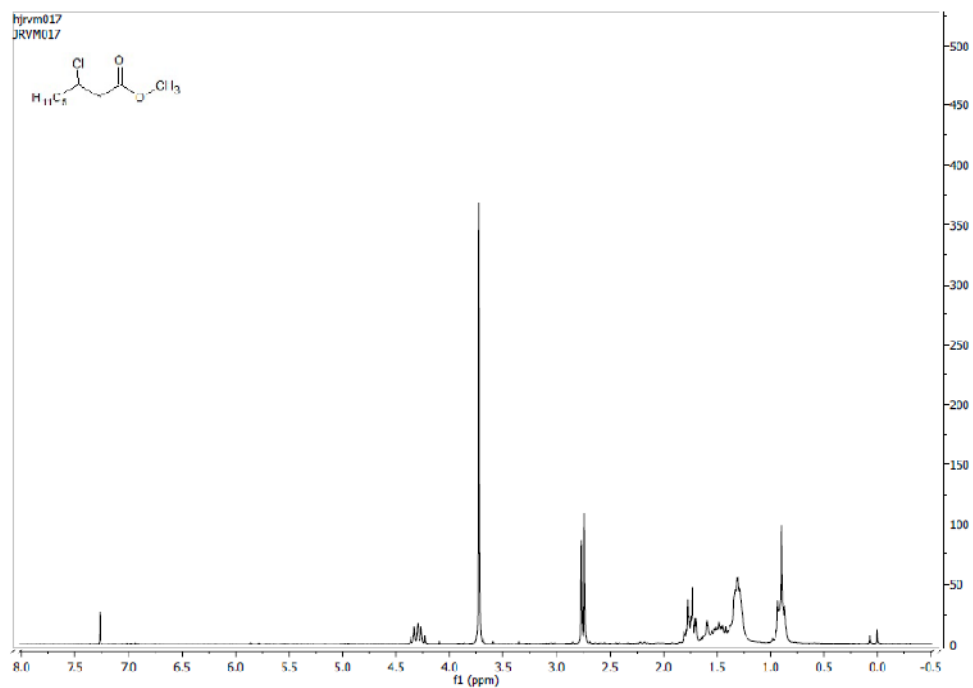


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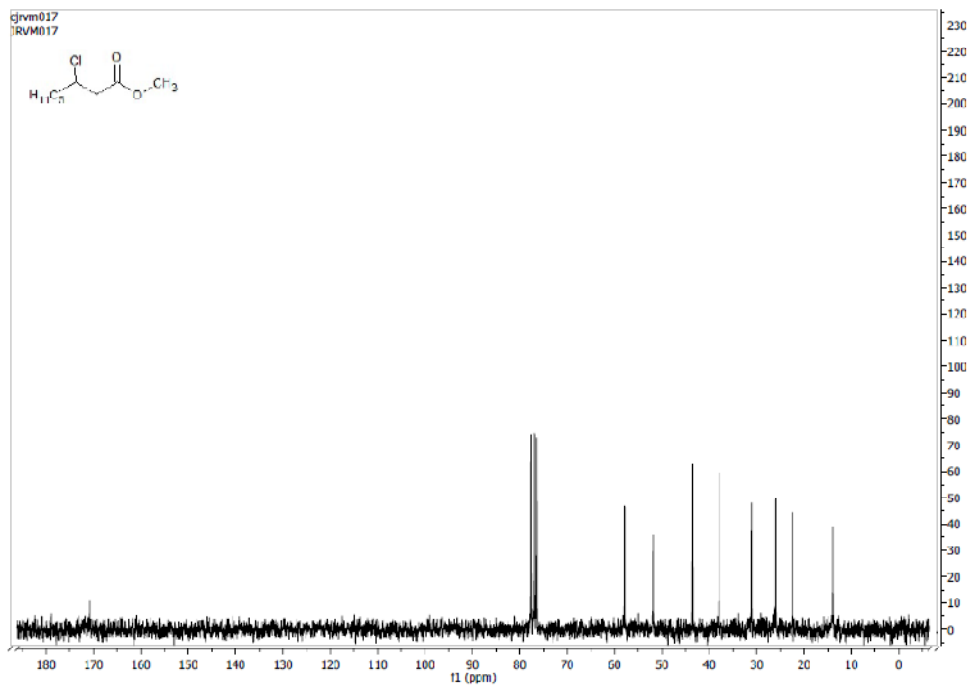


Methyl 3-chlorooctanoate (4)

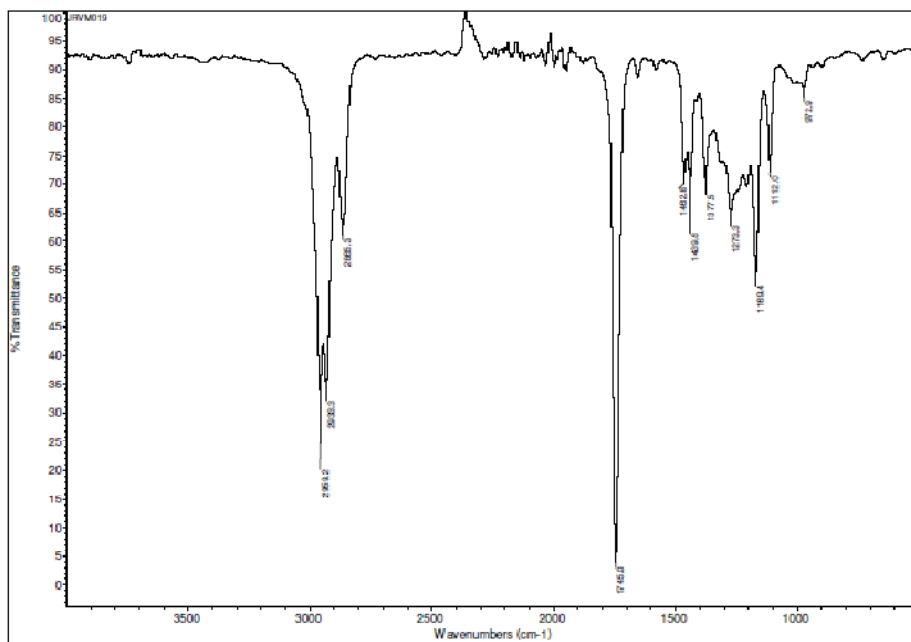
¹H NMR



¹³CNMR

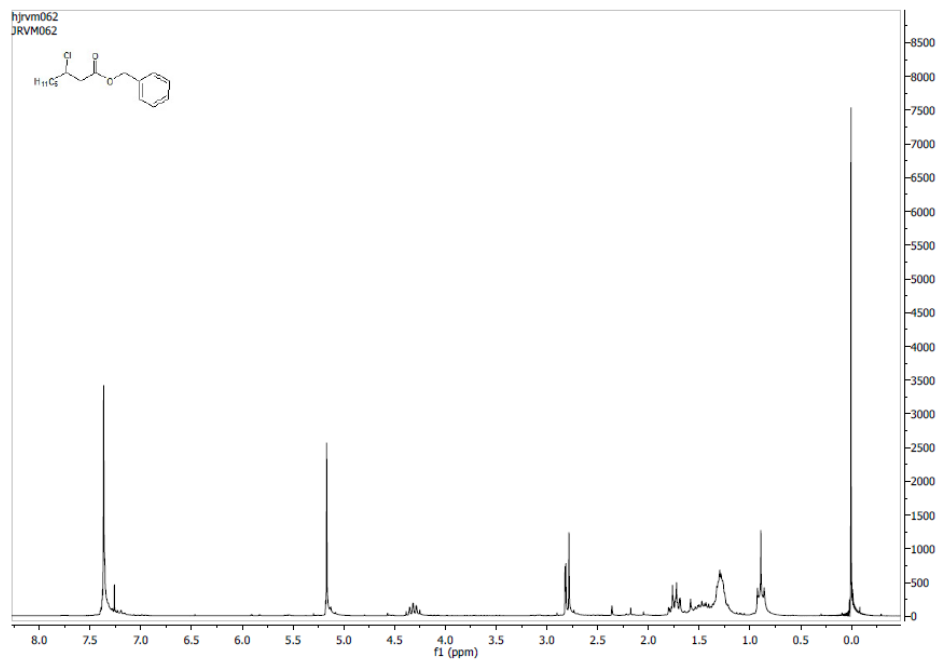


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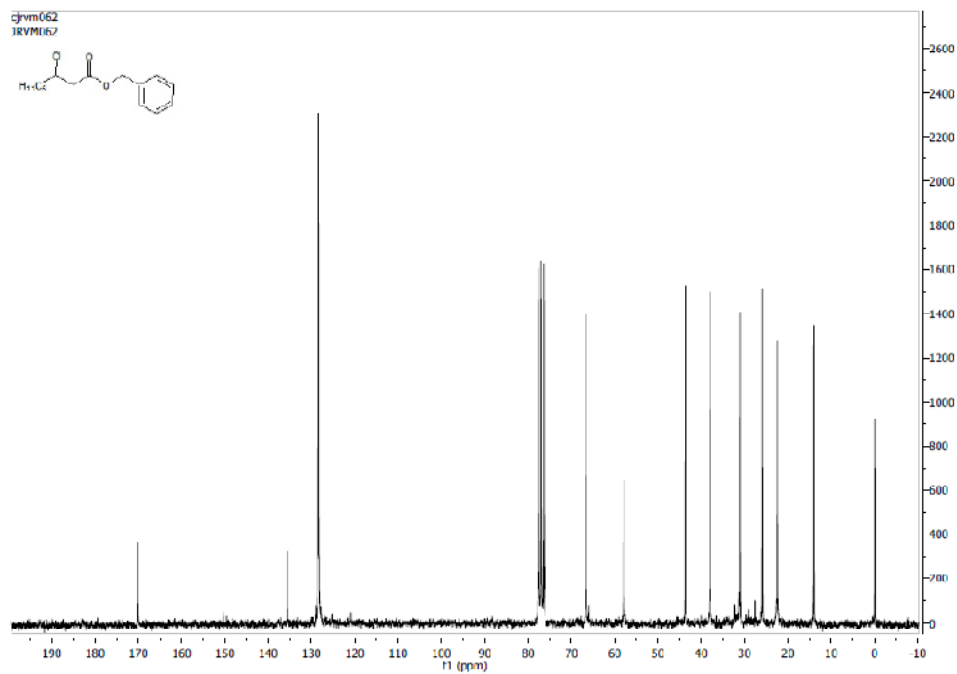


Benzyl 3-chlorooctanoate (5)

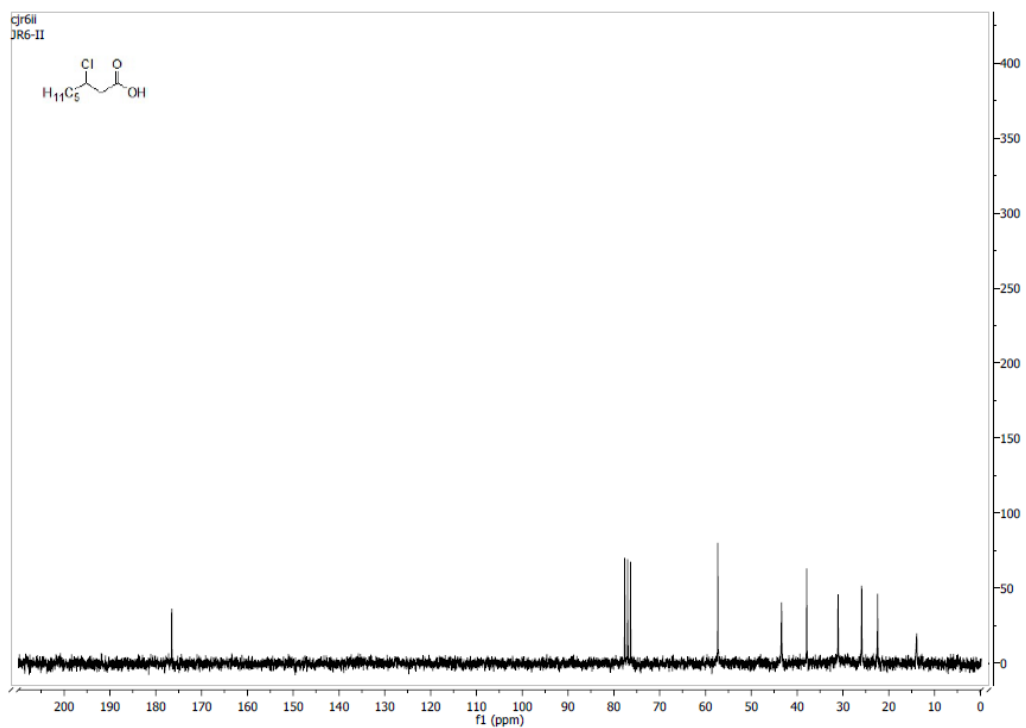
¹H NMR



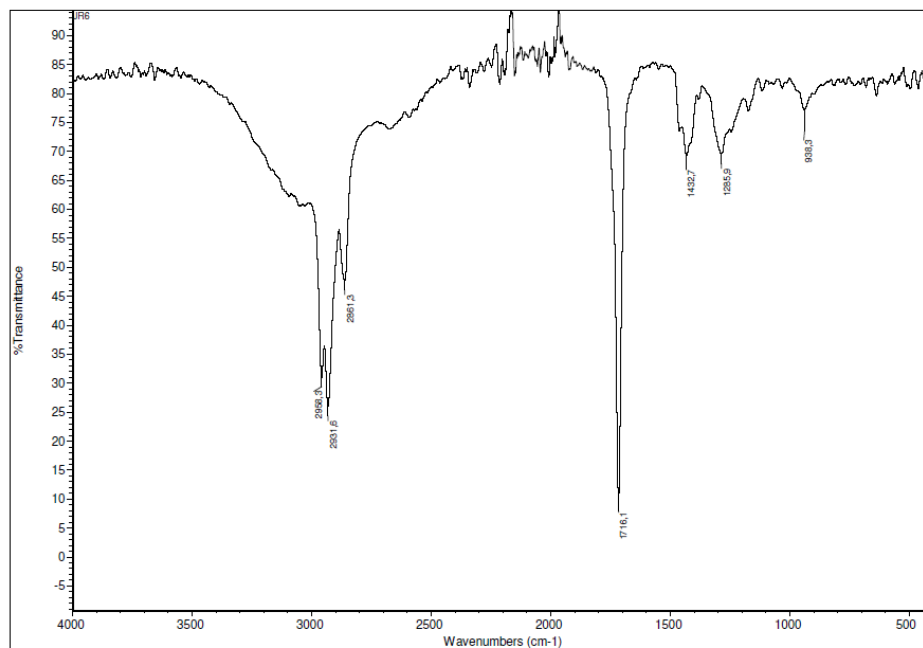
¹³C NMR



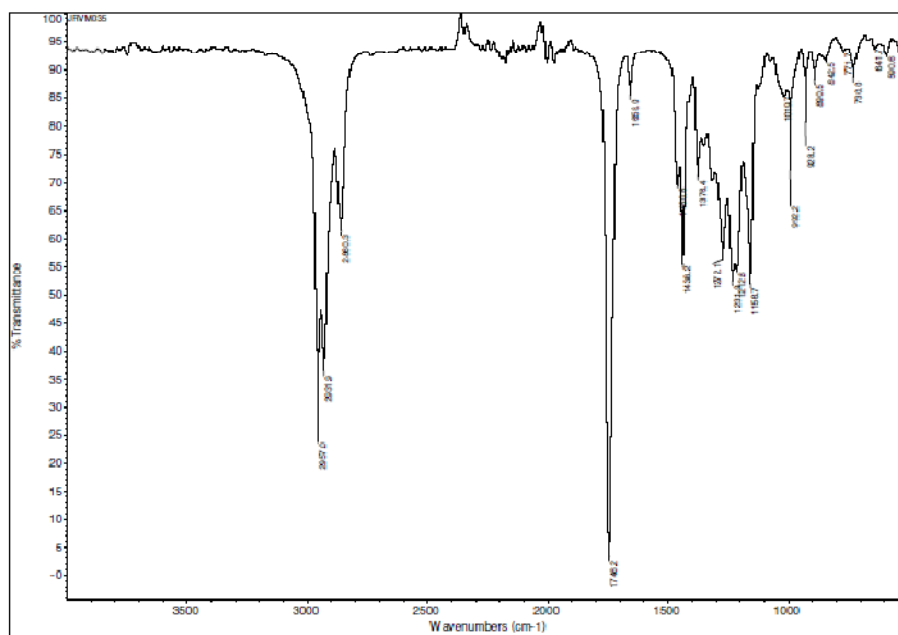
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IR

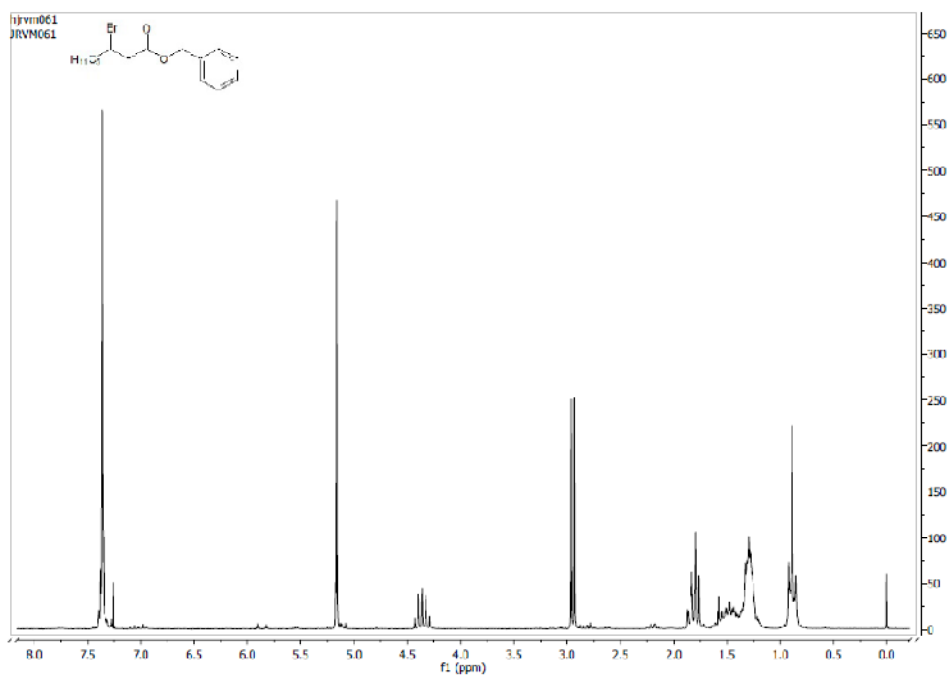


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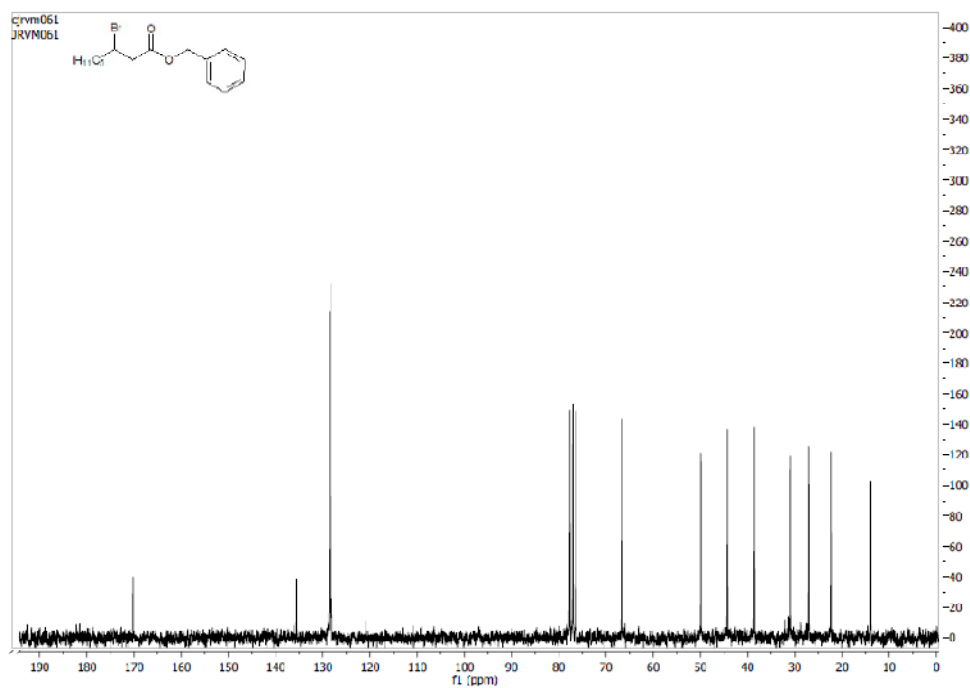


Benzyl 3-bromooctanoate (8)

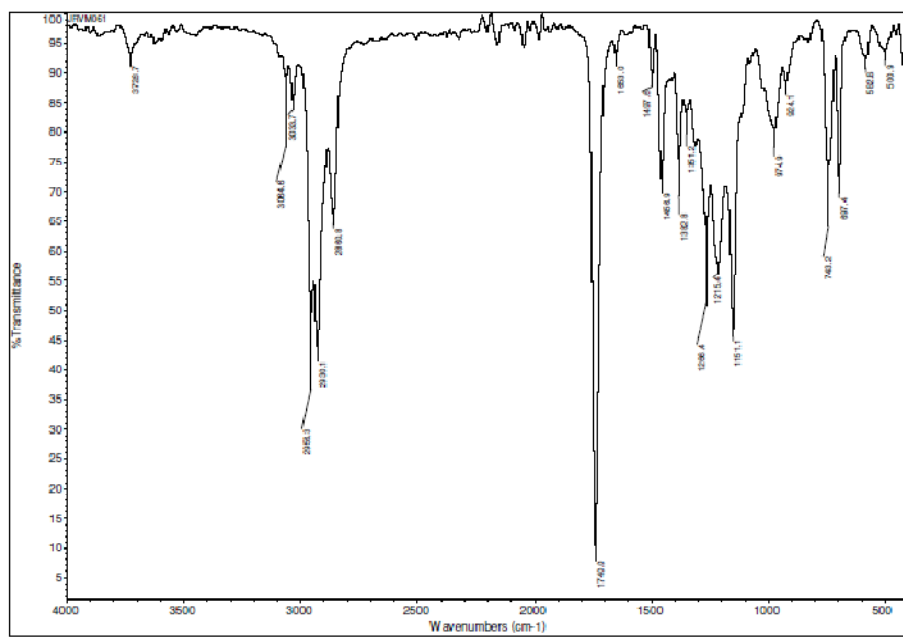
¹H NMR



¹³CNMR

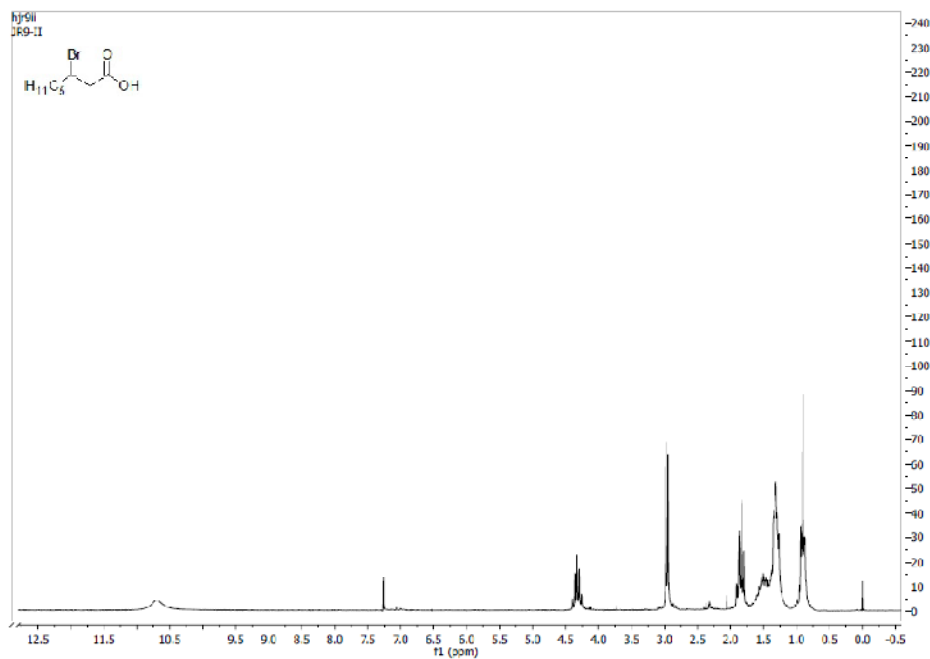


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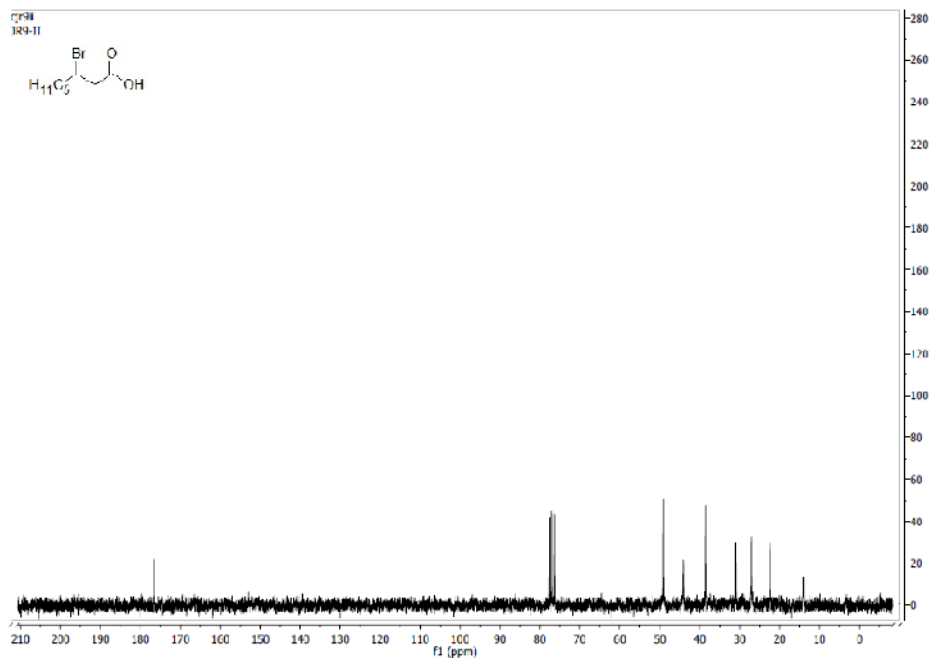


3-bromooctanoic acid (9)

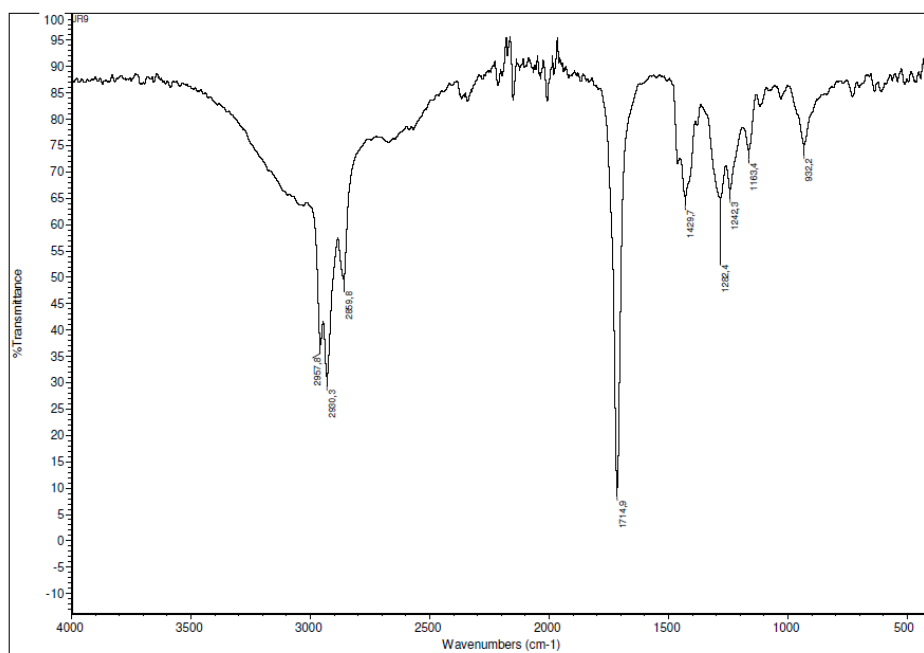
¹H NMR



¹³C NMR

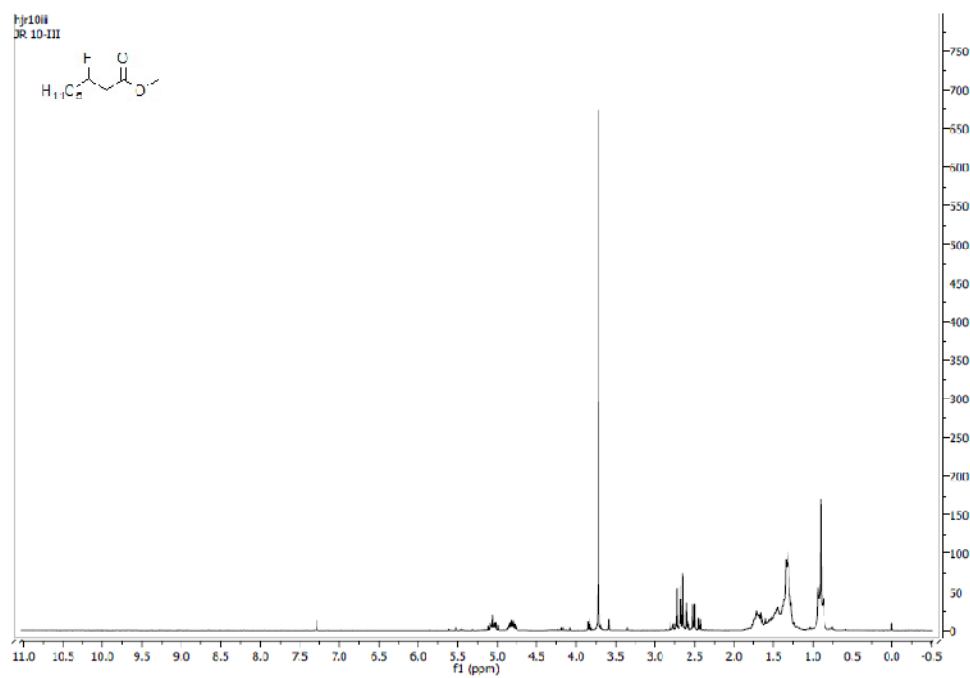


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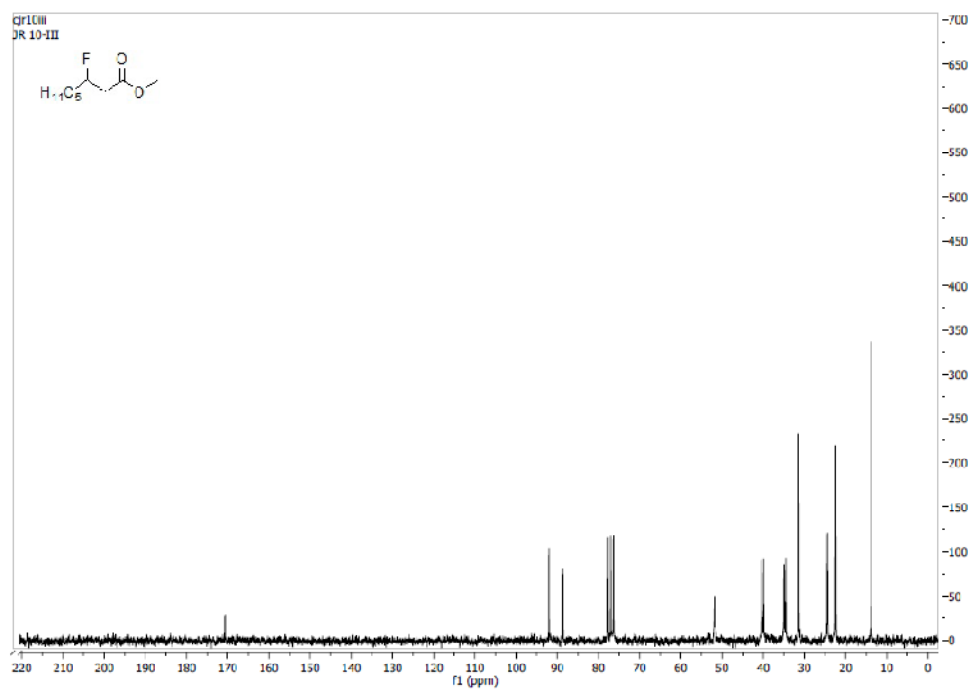


Methyl 3-fluorooctanoate (10)

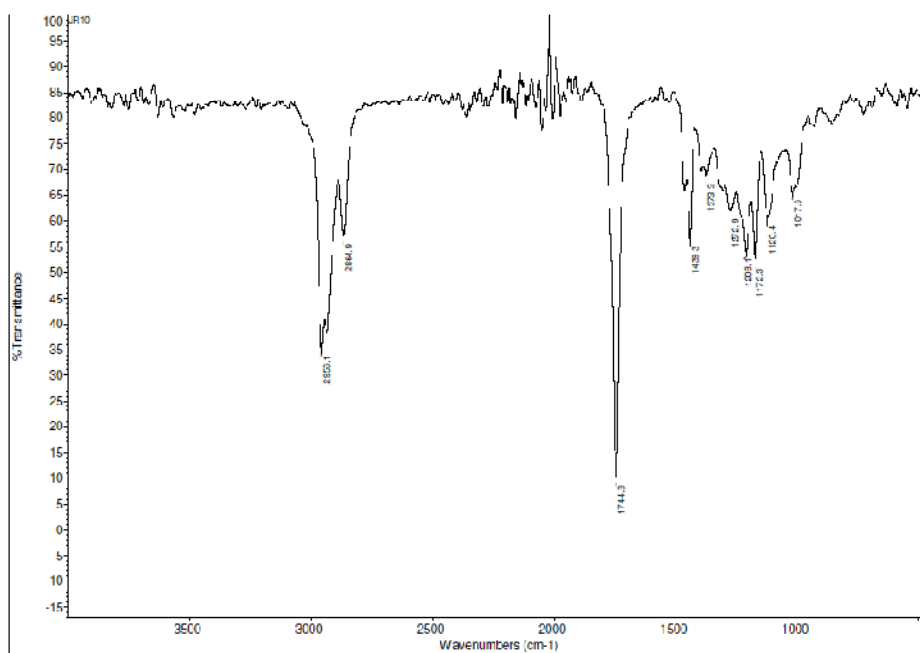
¹H NMR



¹³CNMR

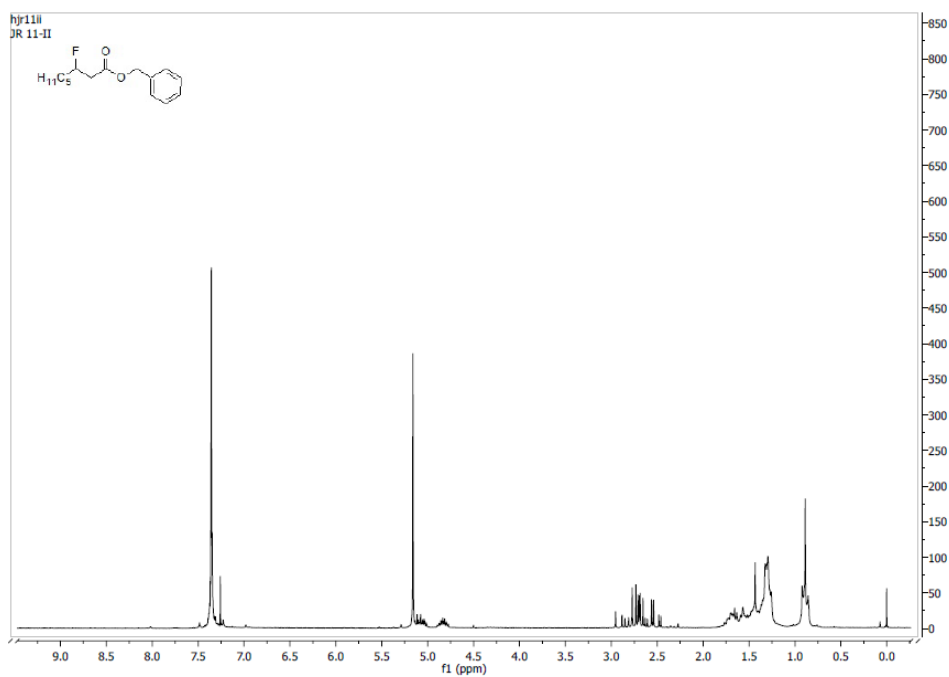


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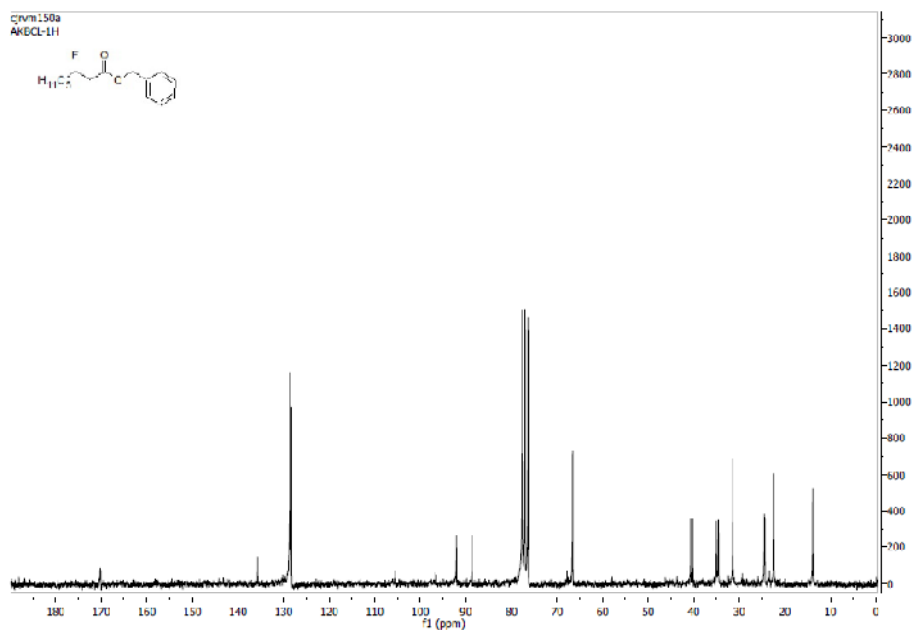


Benzyl-3-fluorooctanoate (11)

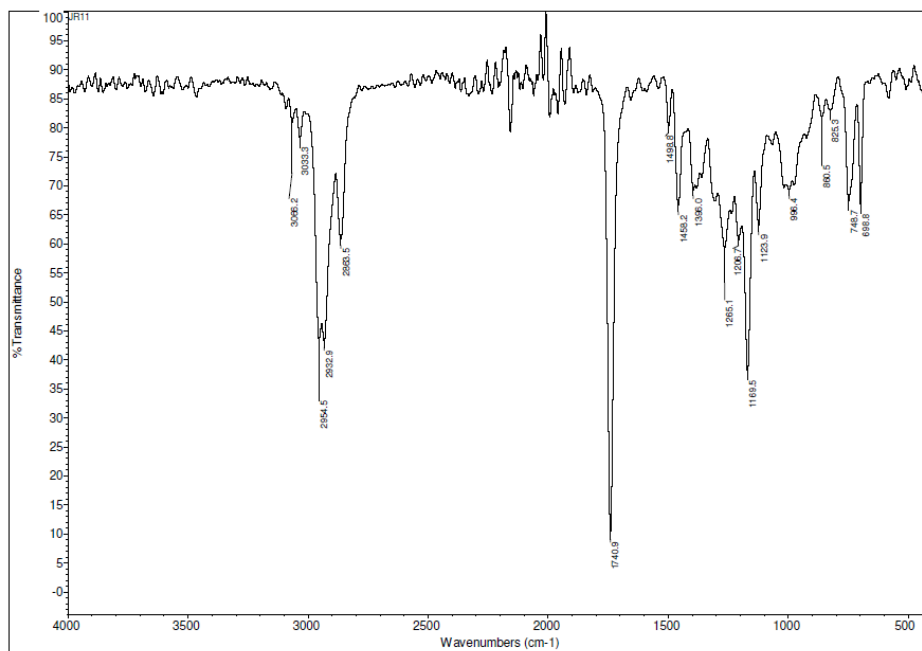
¹H NMR



¹³C NMR

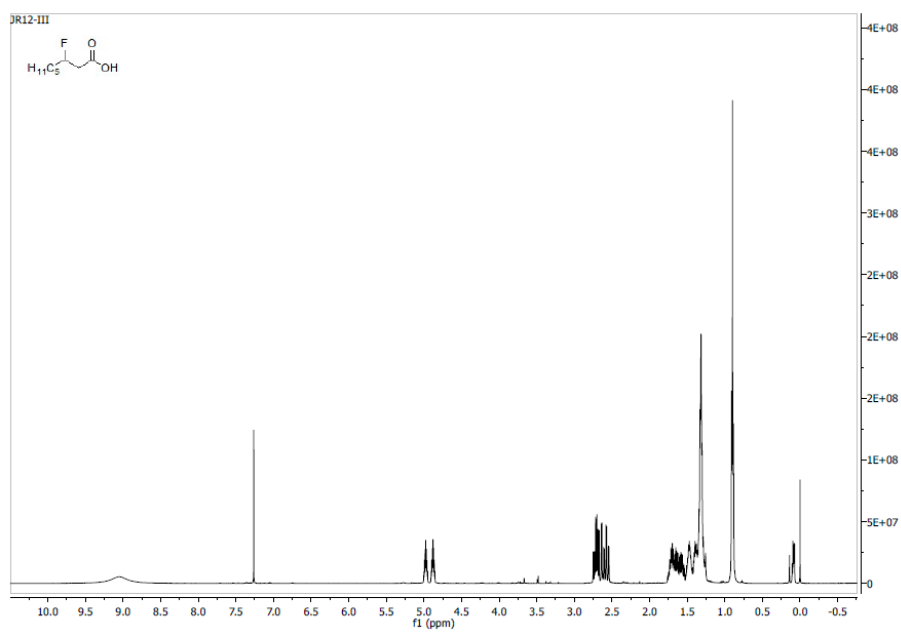


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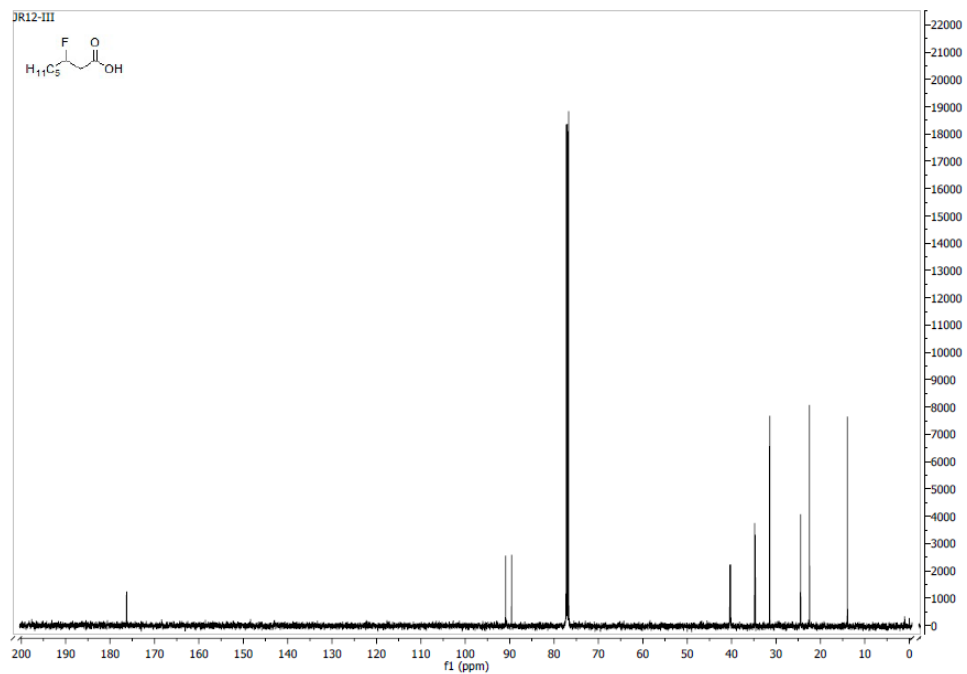


3-fluorooctanoic acid (12)

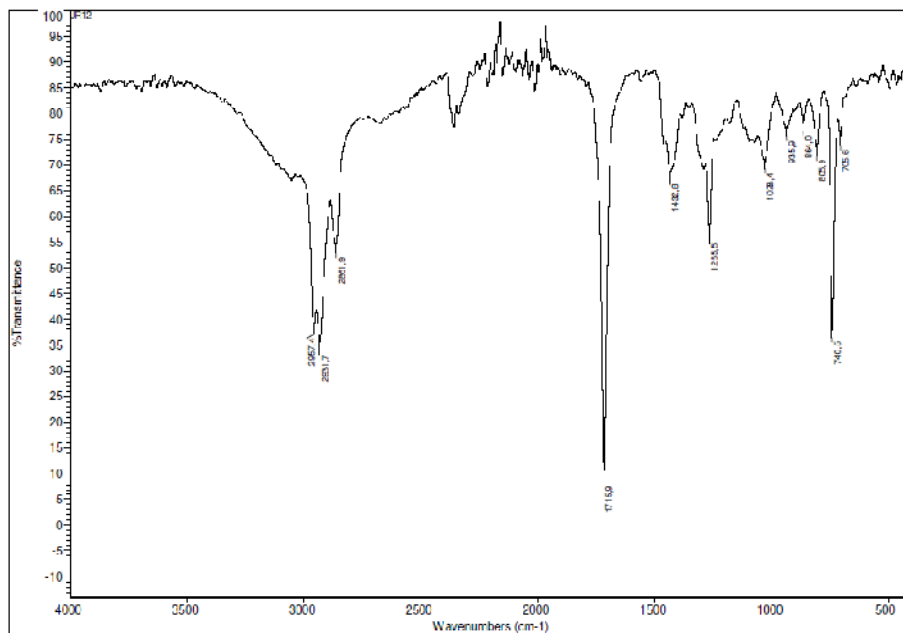
¹H NMR



¹³CNMR

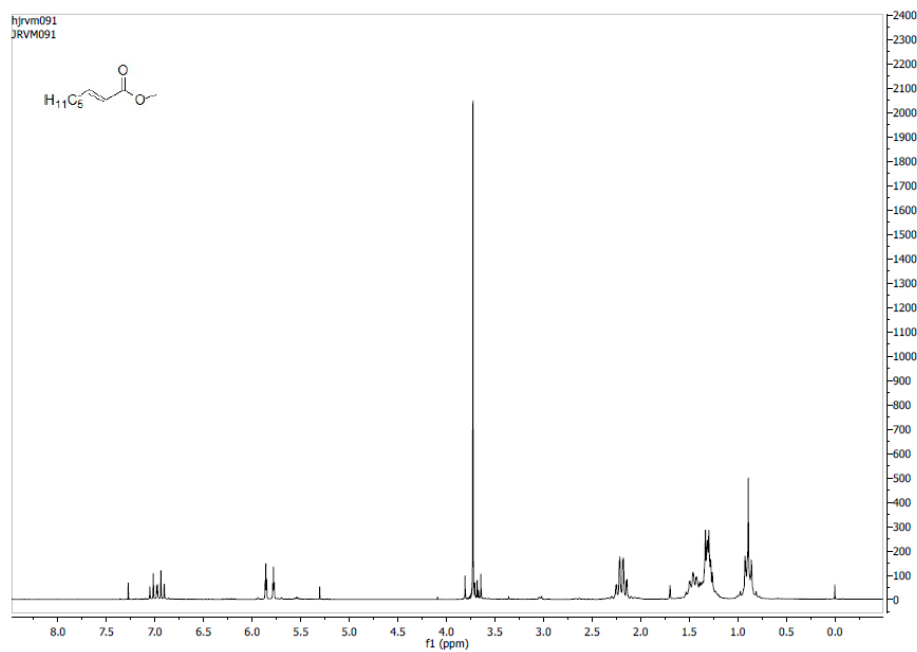


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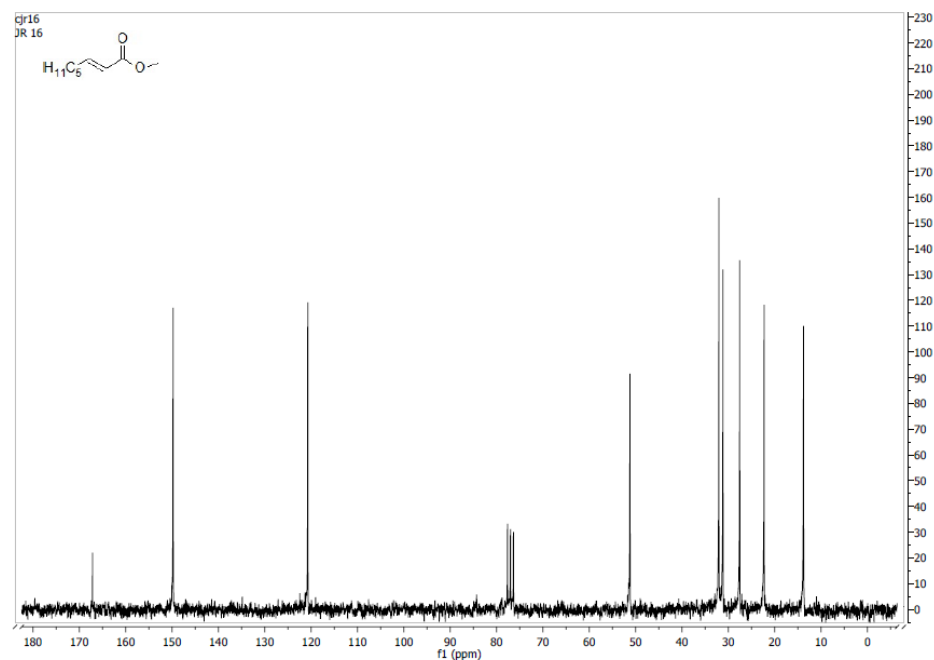


Methyl (E)-oct-2-enoate (13)

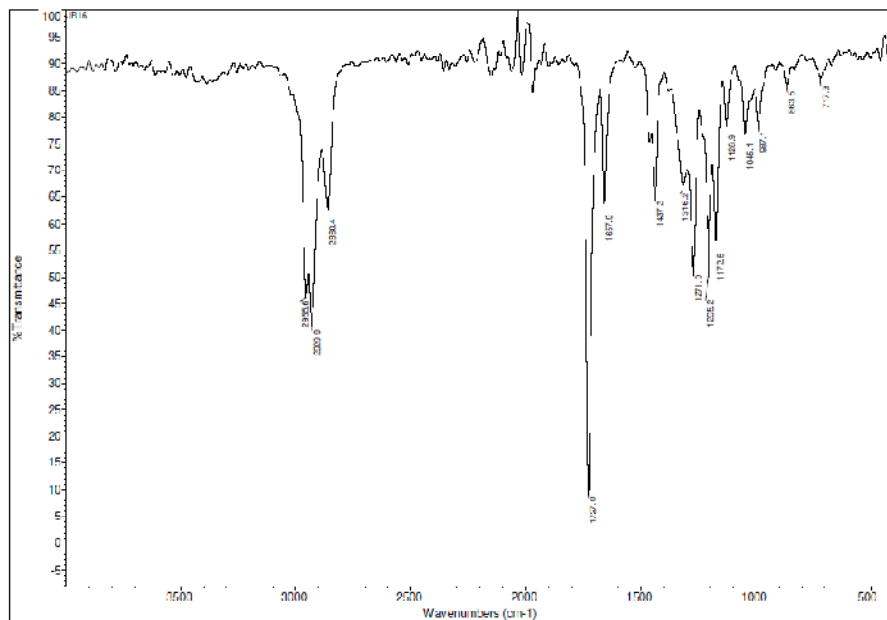
¹H NMR



¹³C NMR

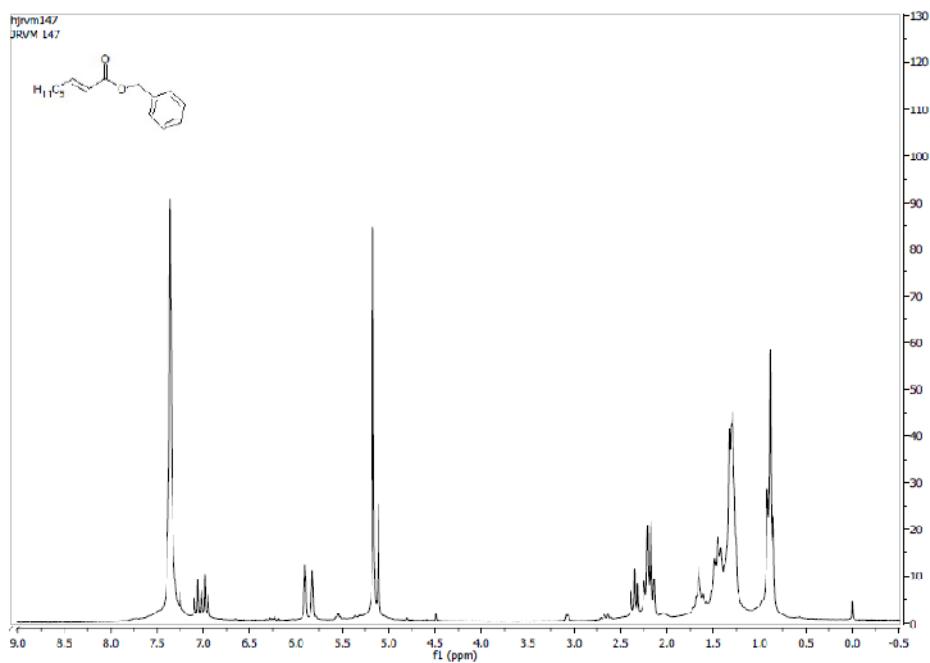


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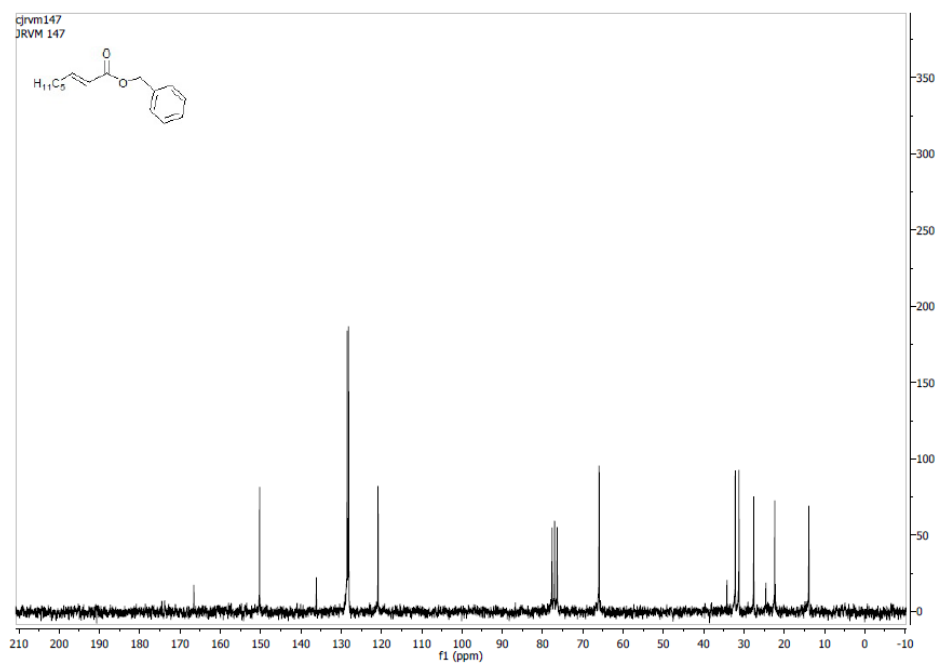


Benzyl (E)-oct-2-enoate (14)

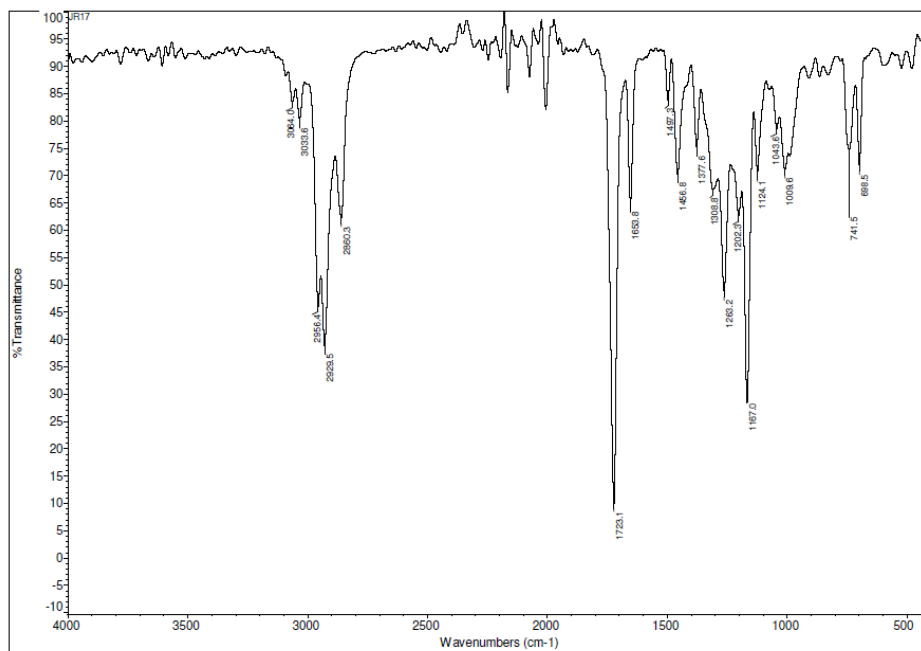
¹H NMR



¹³CNMR

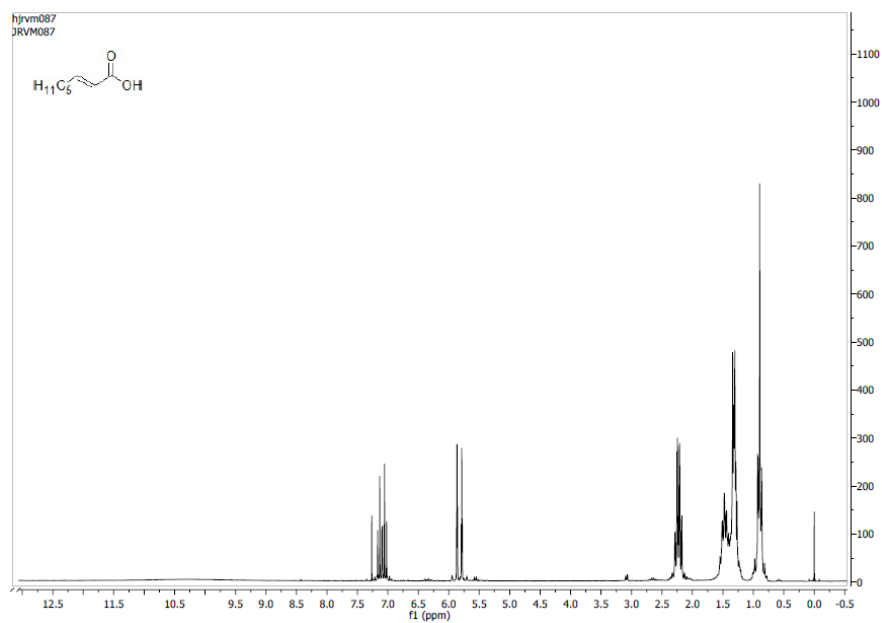


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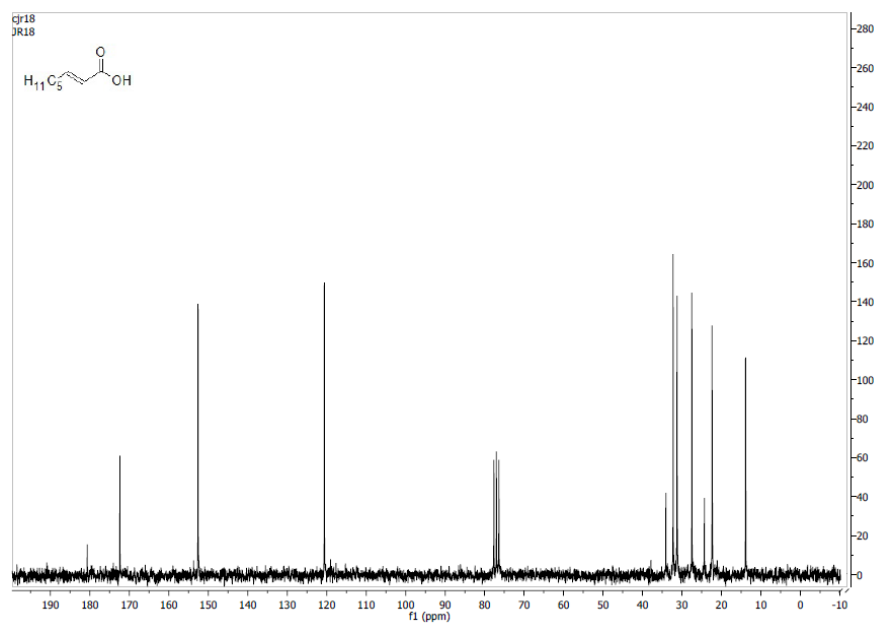


(2E)-oct-2-enoic acid (15)

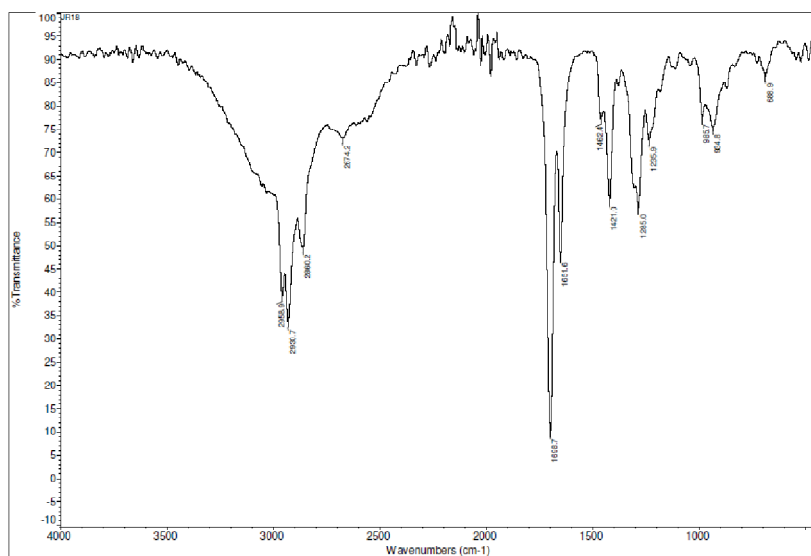
¹H NMR



¹³C NMR

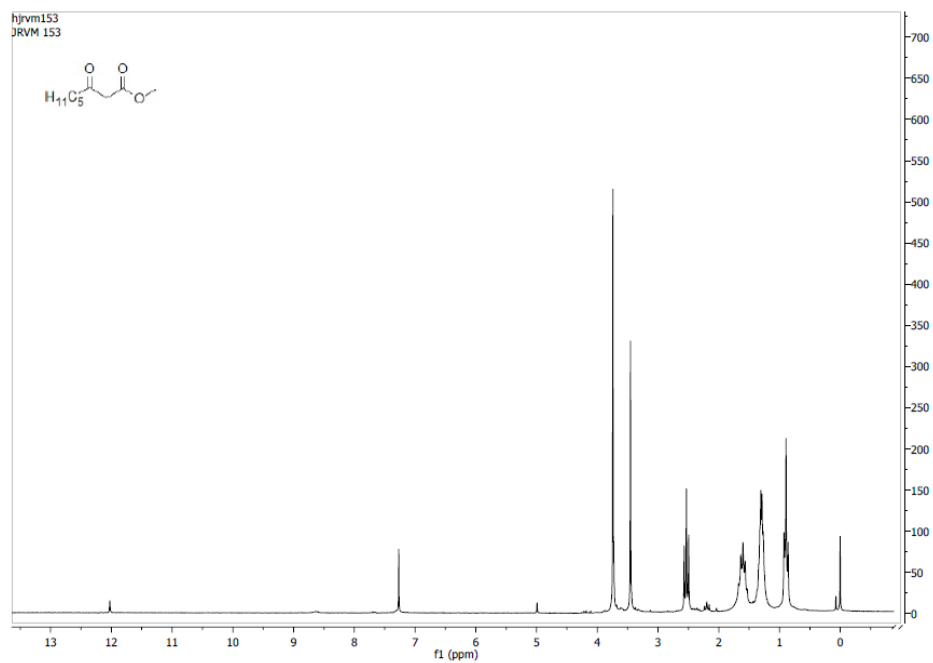


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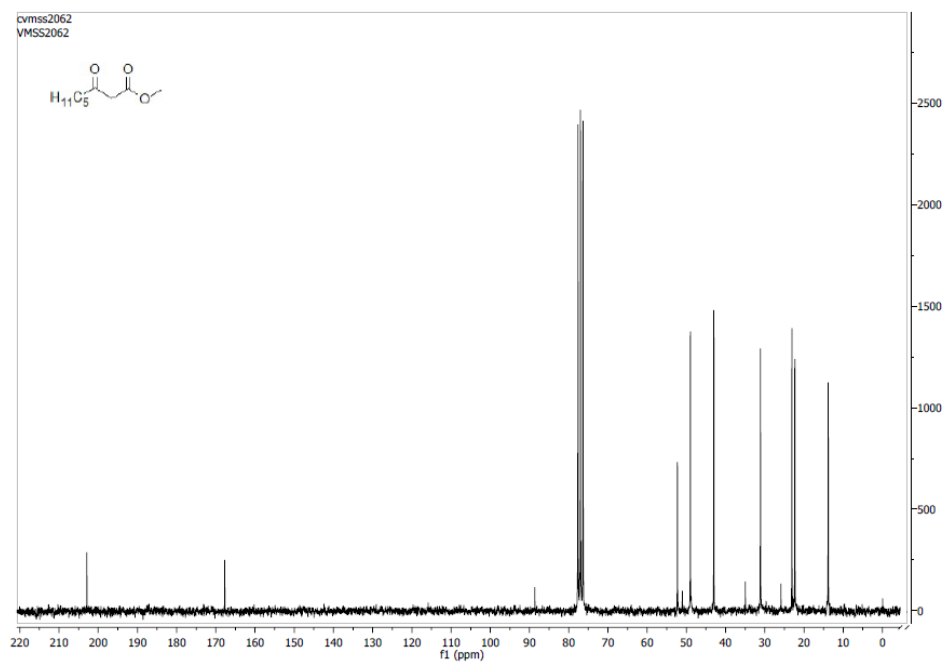


Methyl 3-oxooctanoate (16)

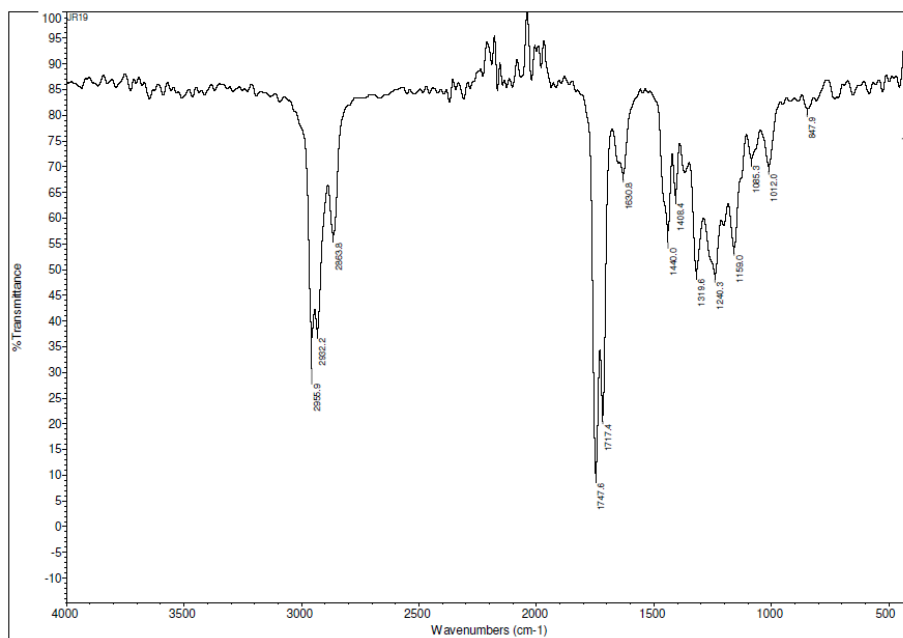
¹H NMR



¹³CNMR

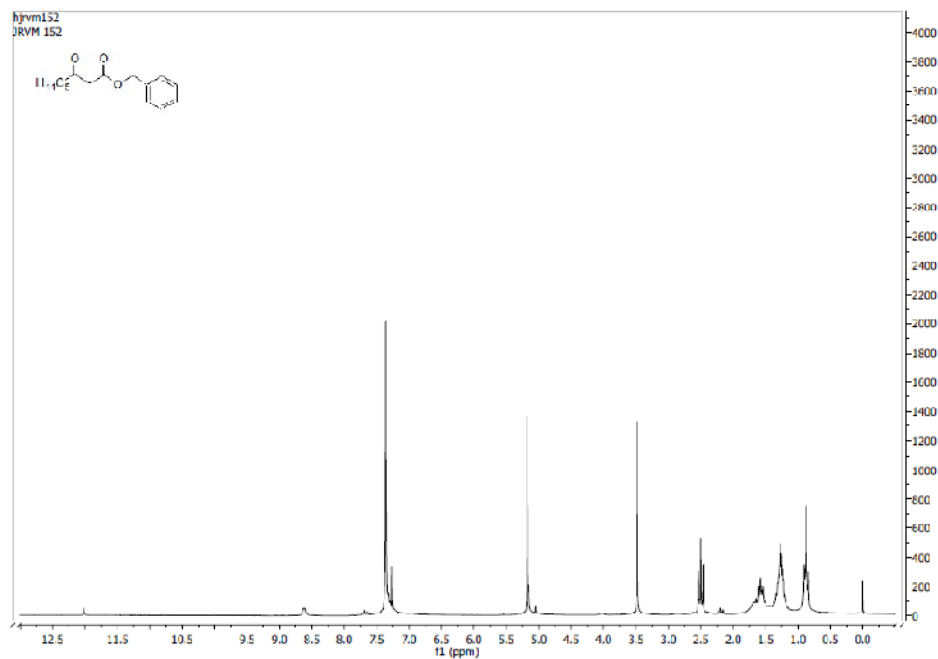


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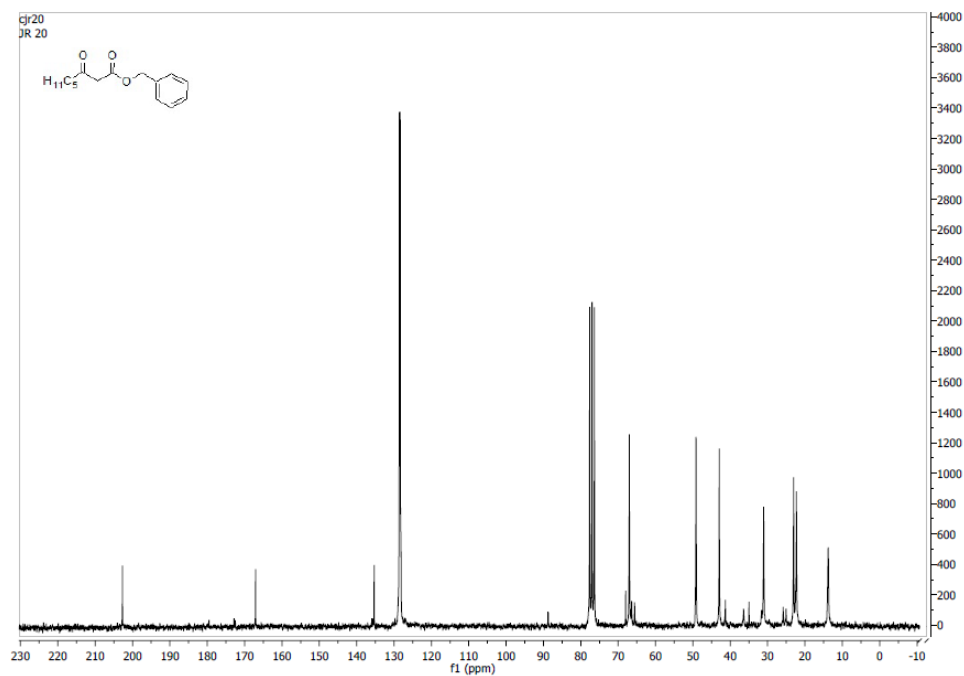


Benzyl 3-oxooctanoate (17)

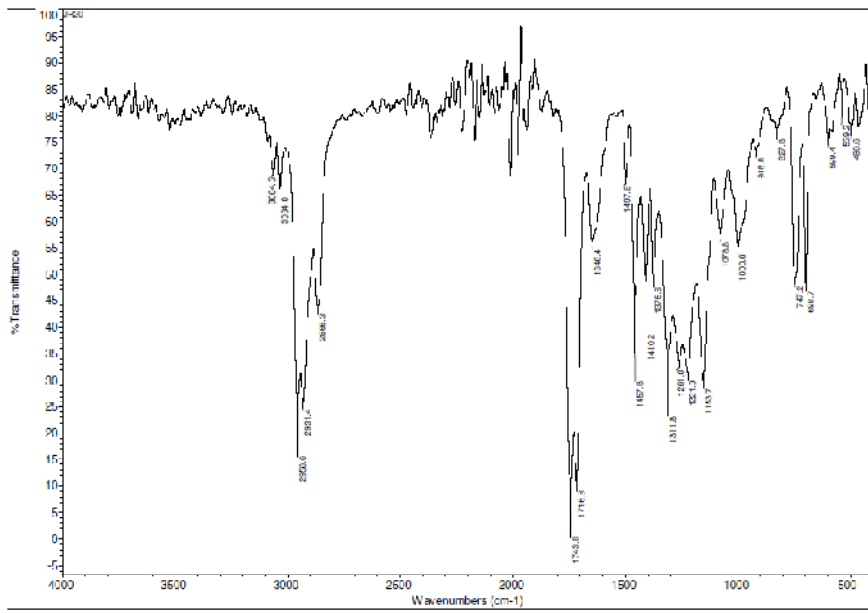
$^1\text{H NMR}$



$^{13}\text{C NMR}$

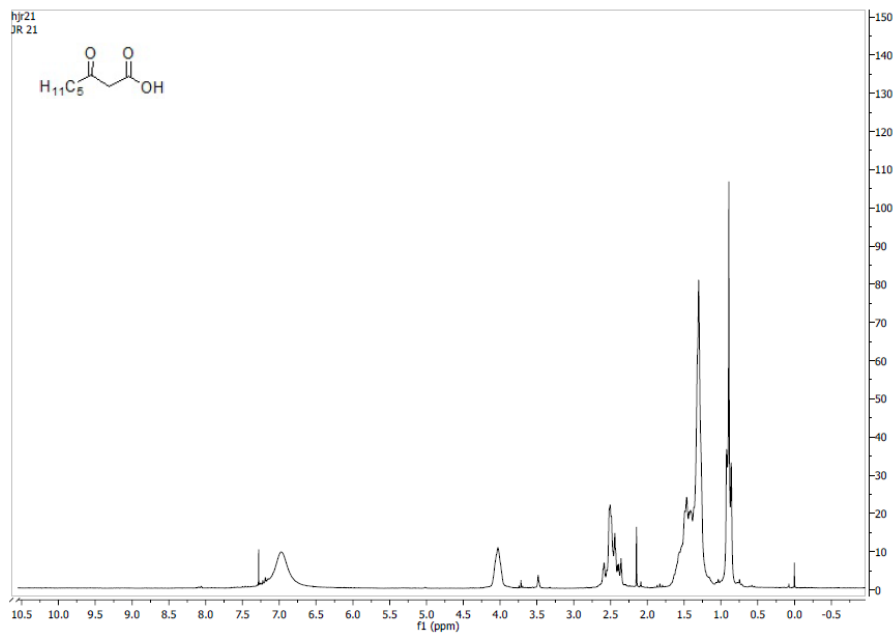


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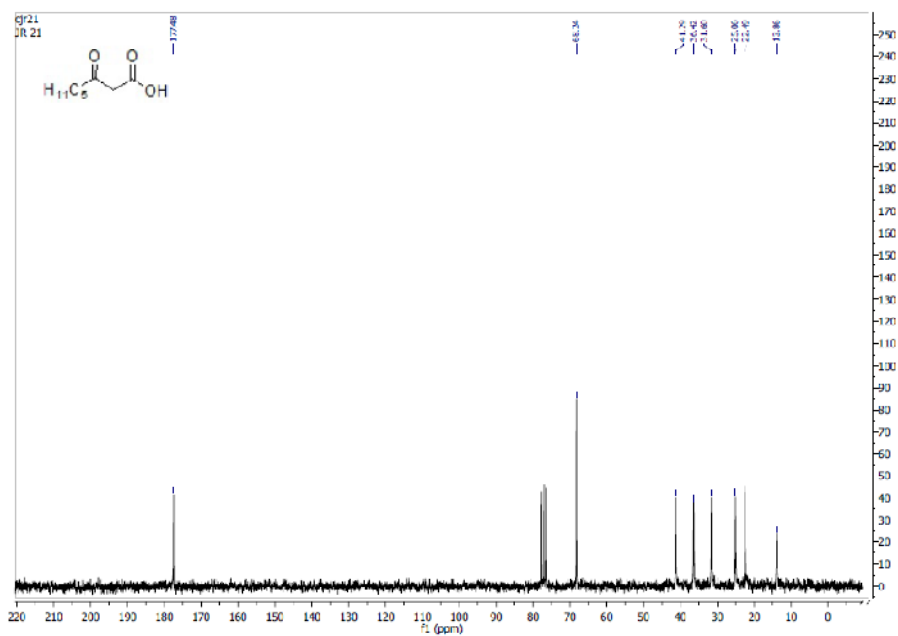


3-oxooctanoic acid (18)

¹H NMR



¹³CNMR



IR

