

Supplementary data for the article:

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# Applied Microbiology and Biotechnology

## Supporting Information

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

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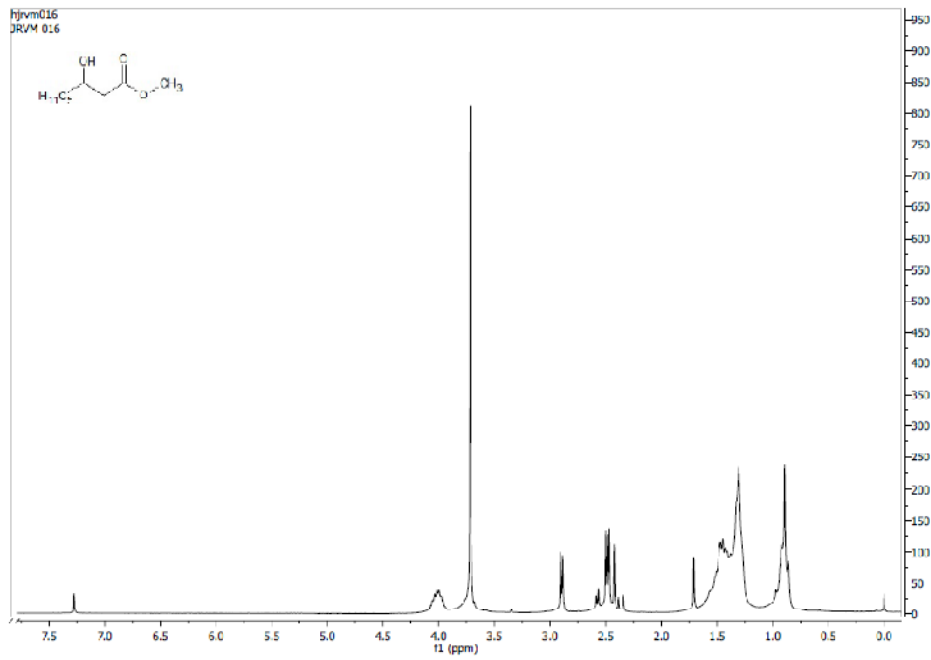
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#Current address: Jerzy Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences, Niezapominajek 8, 30-239 Cracow, Poland

## Scanned Spectra

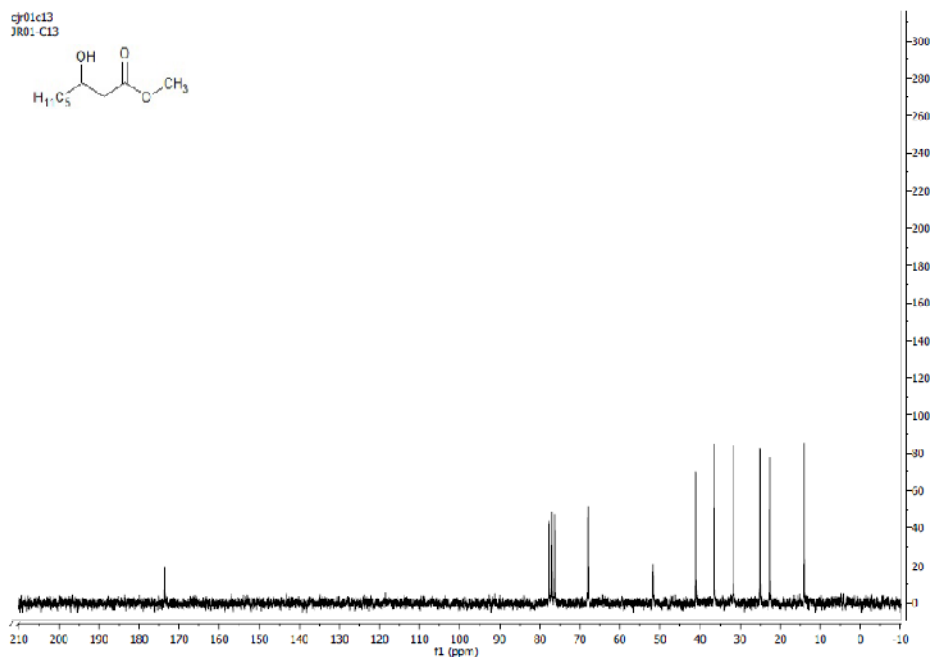
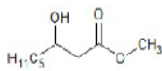
### Methyl-3-hydroxyoctanoate (1)

#### $^1\text{H}$ NMR

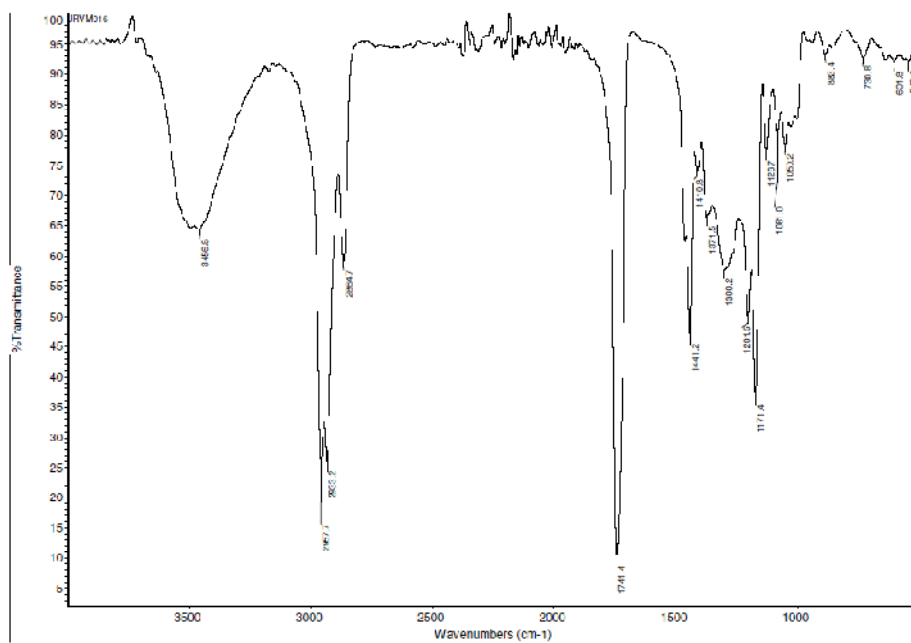


# <sup>13</sup>CNMR

cf01c13  
JRO: C13

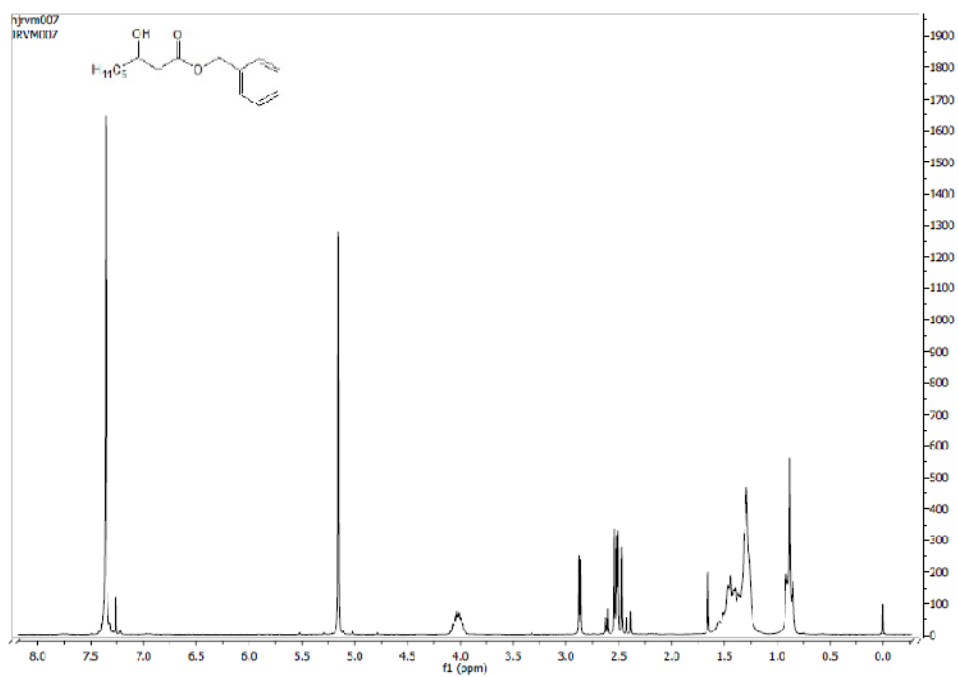


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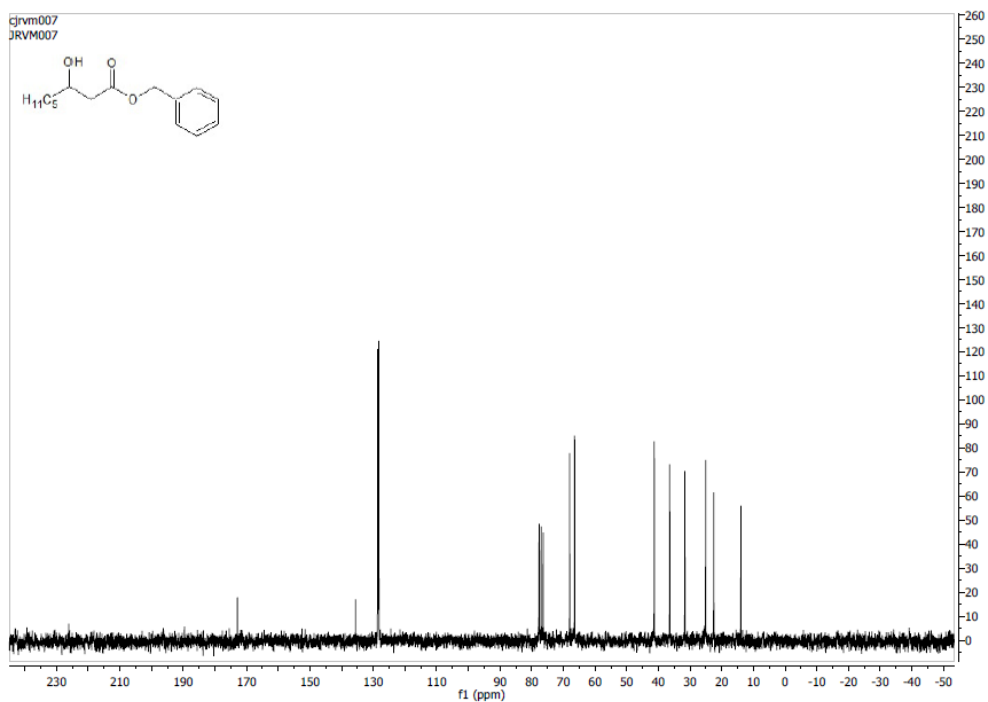


## Benzyl-3-hydroxyoctanoate (2)

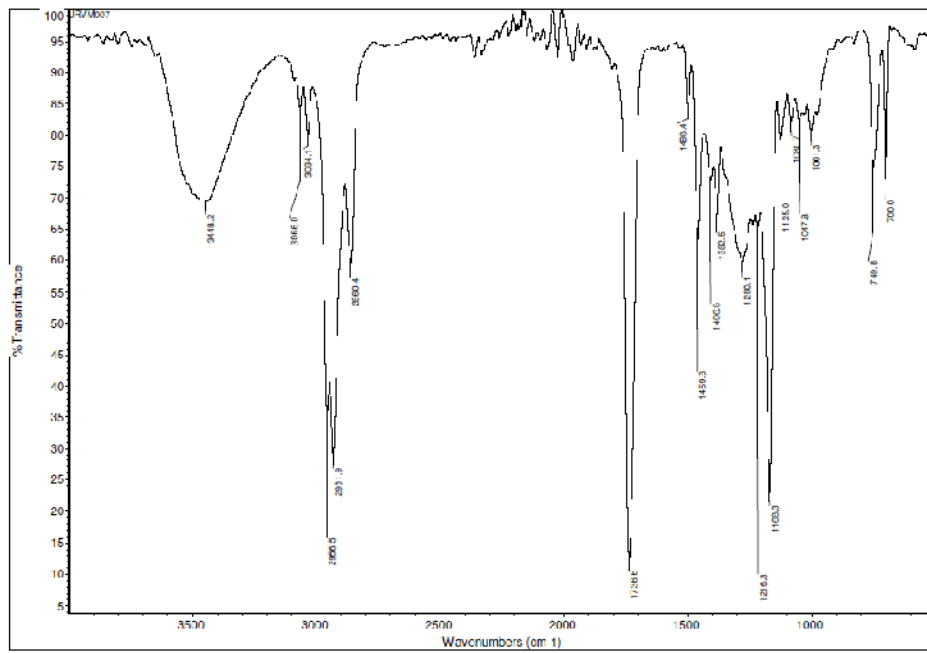
### $^1\text{H}$ NMR



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

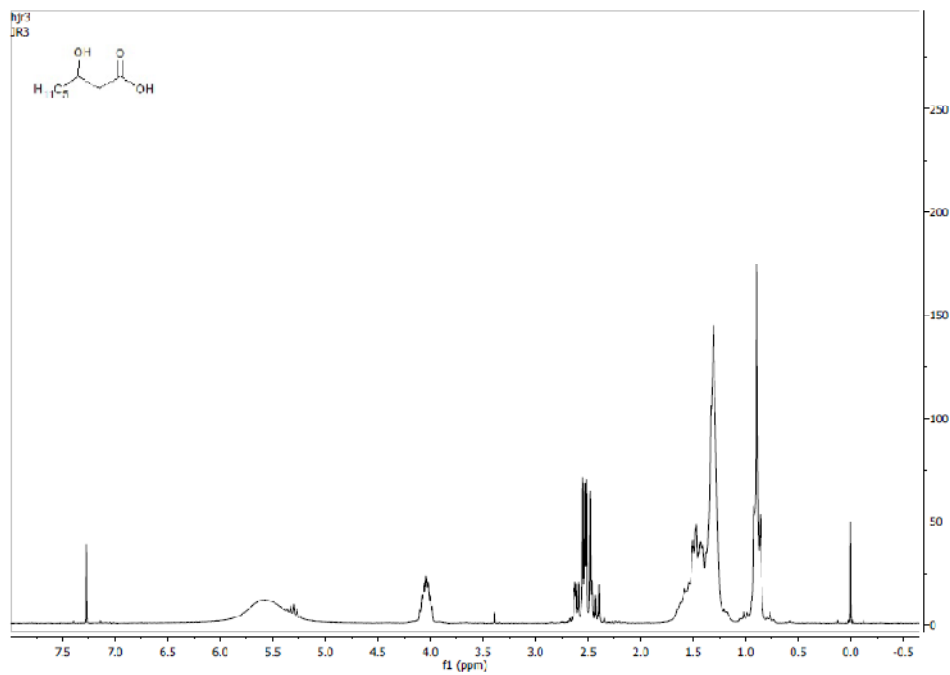


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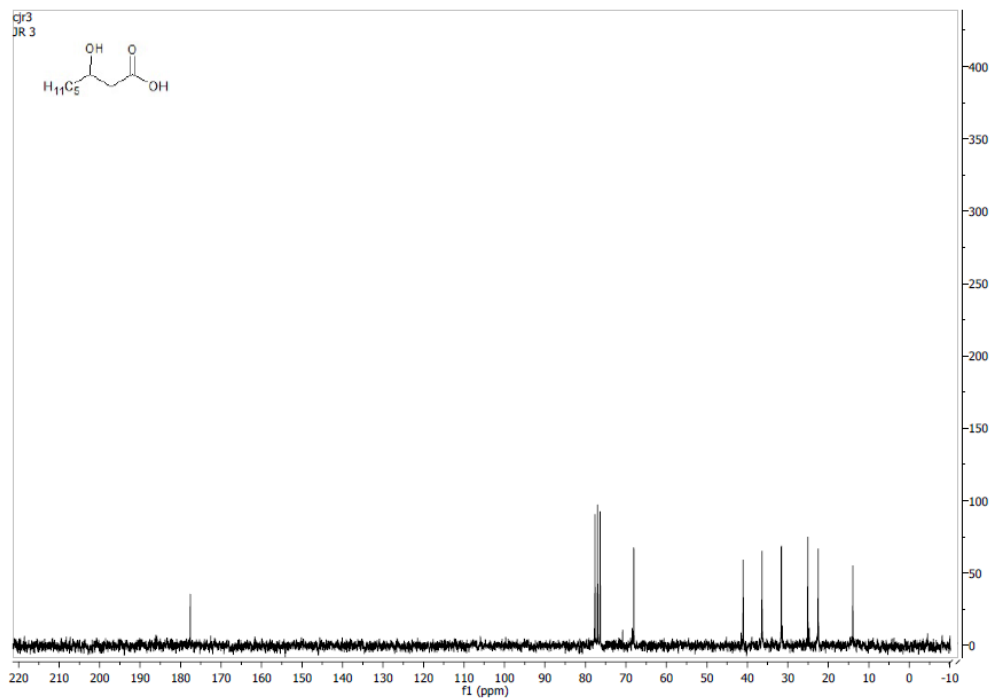


## 3-Hydroxyoctanoic acid (3)

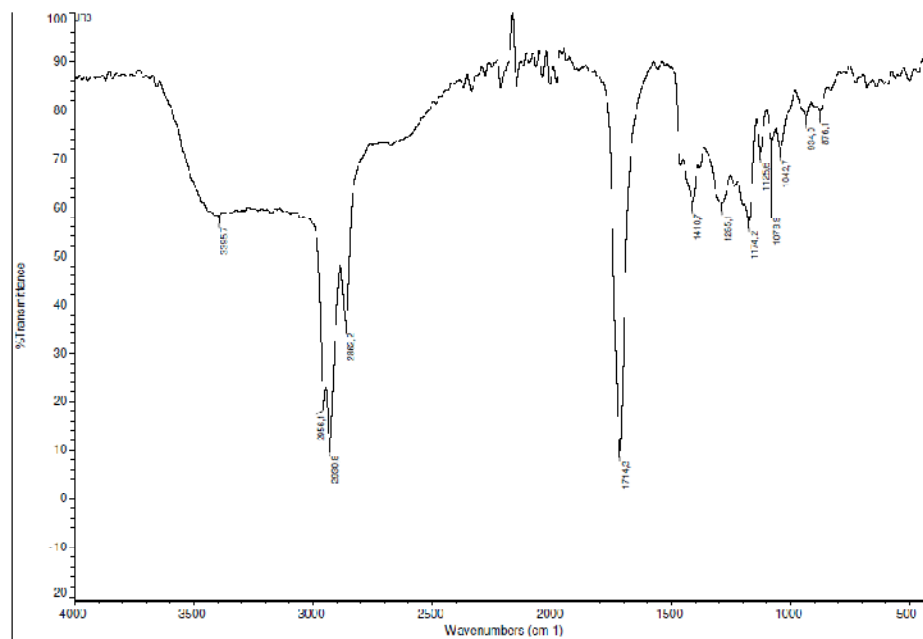
## <sup>1</sup>H NMR



# <sup>13</sup>CNMR

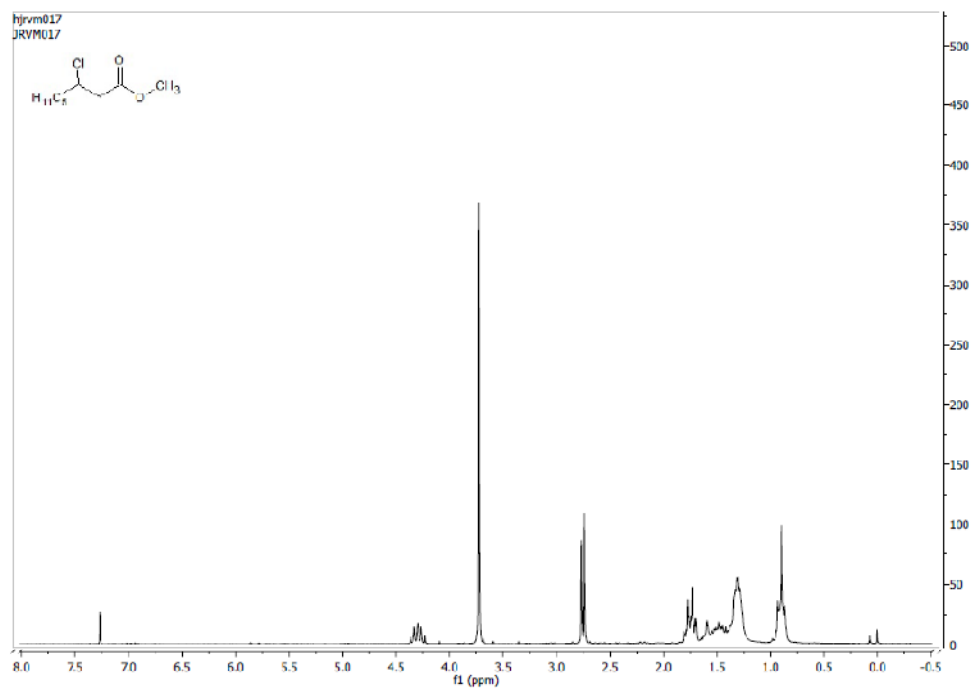


# IR



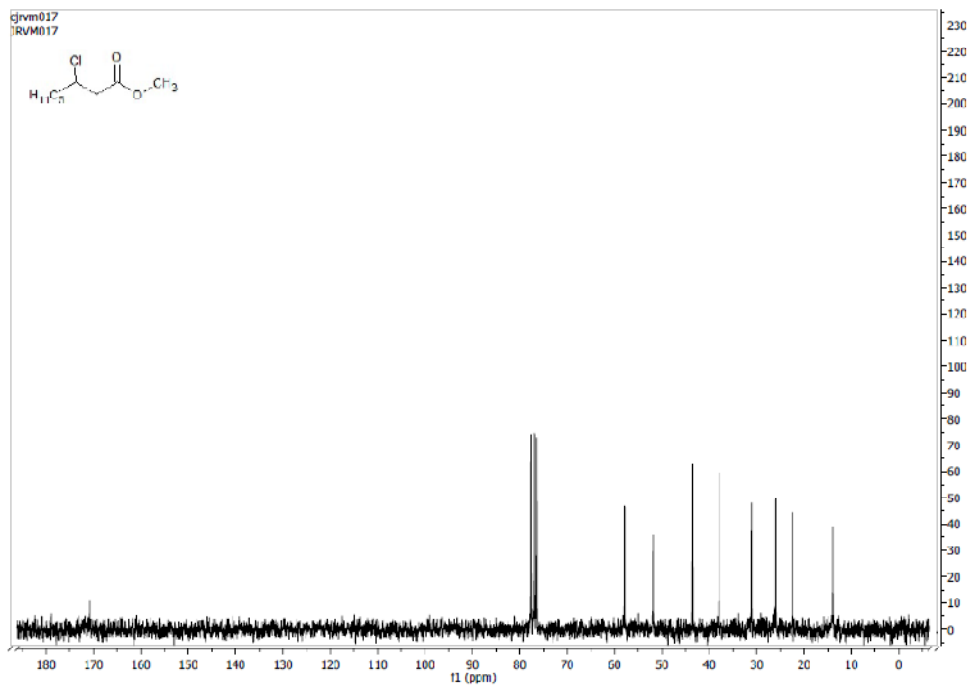
## Methyl 3-chlorooctanoate (4)

### $^1\text{H NMR}$

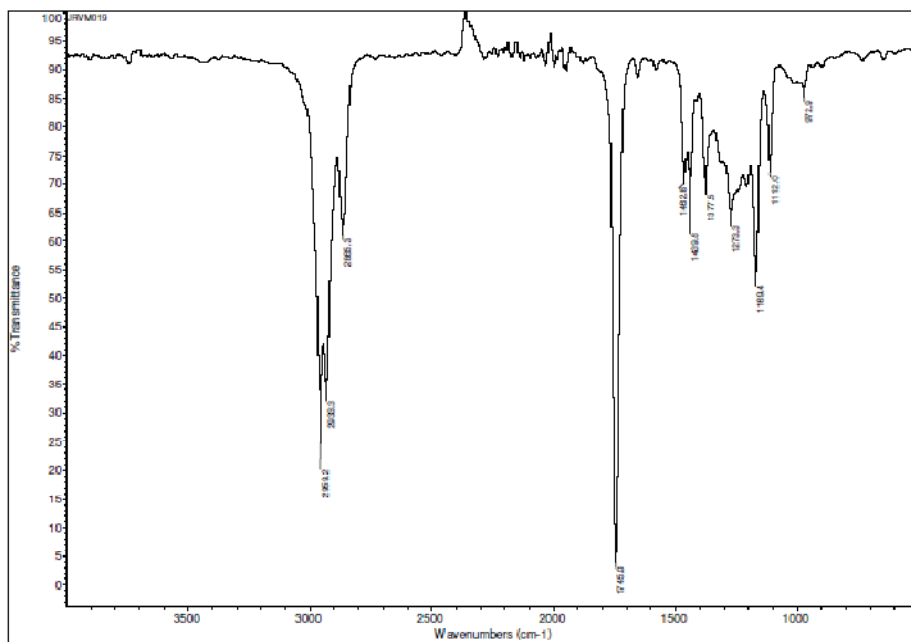




# <sup>13</sup>CNMR

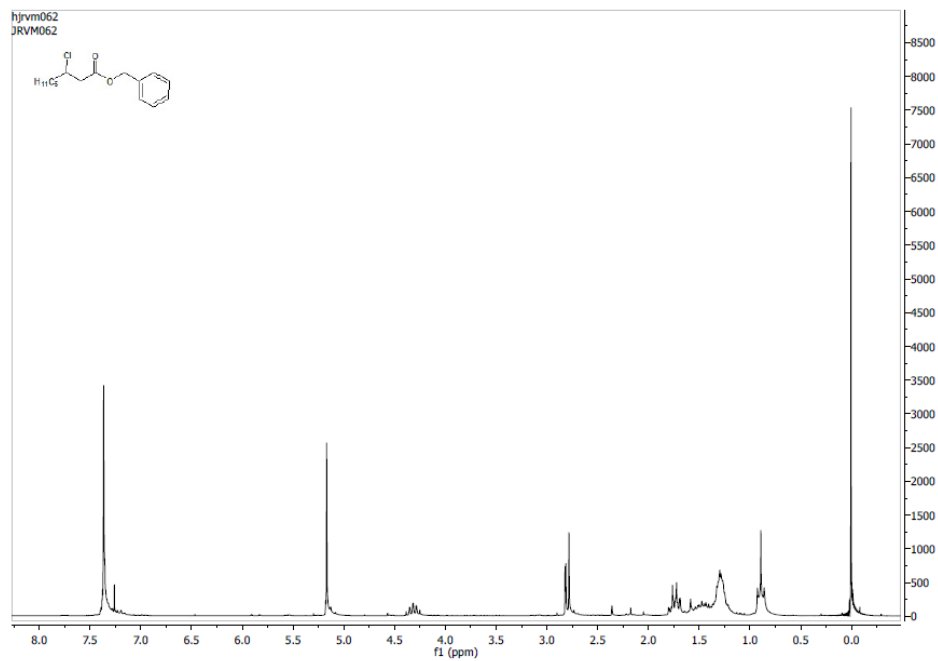


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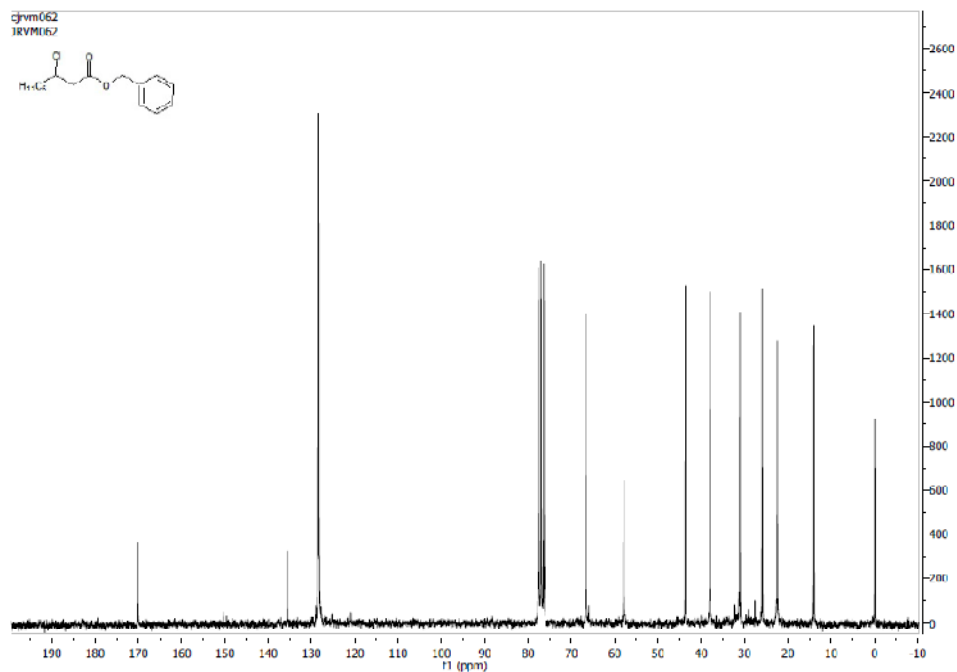


## Benzyl 3-chlorooctanoate (5)

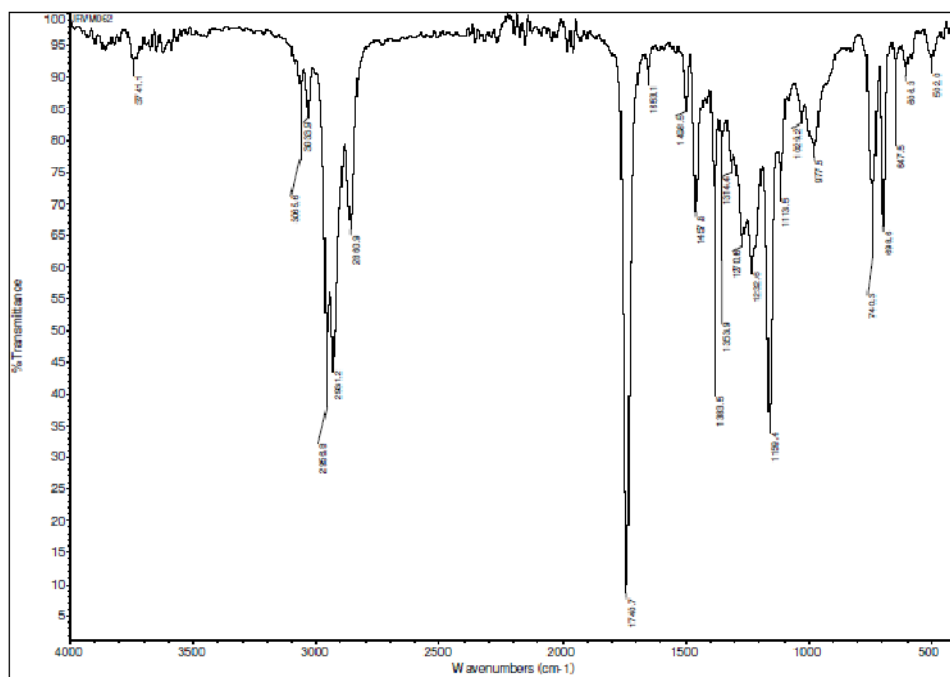
### $^1\text{H}$ NMR



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

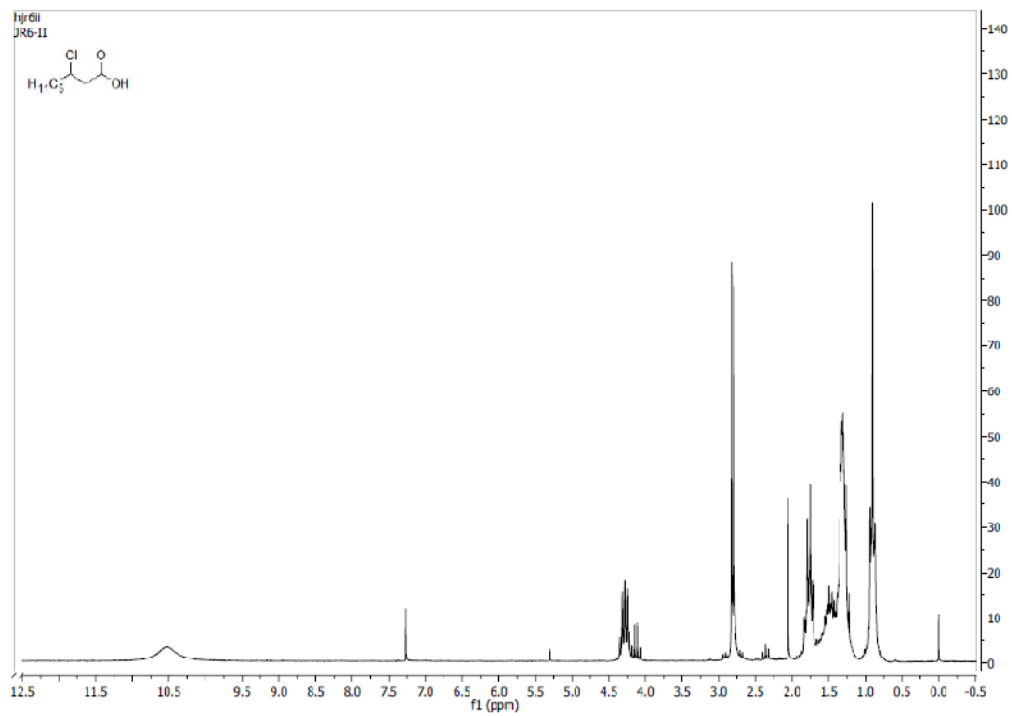


## IR

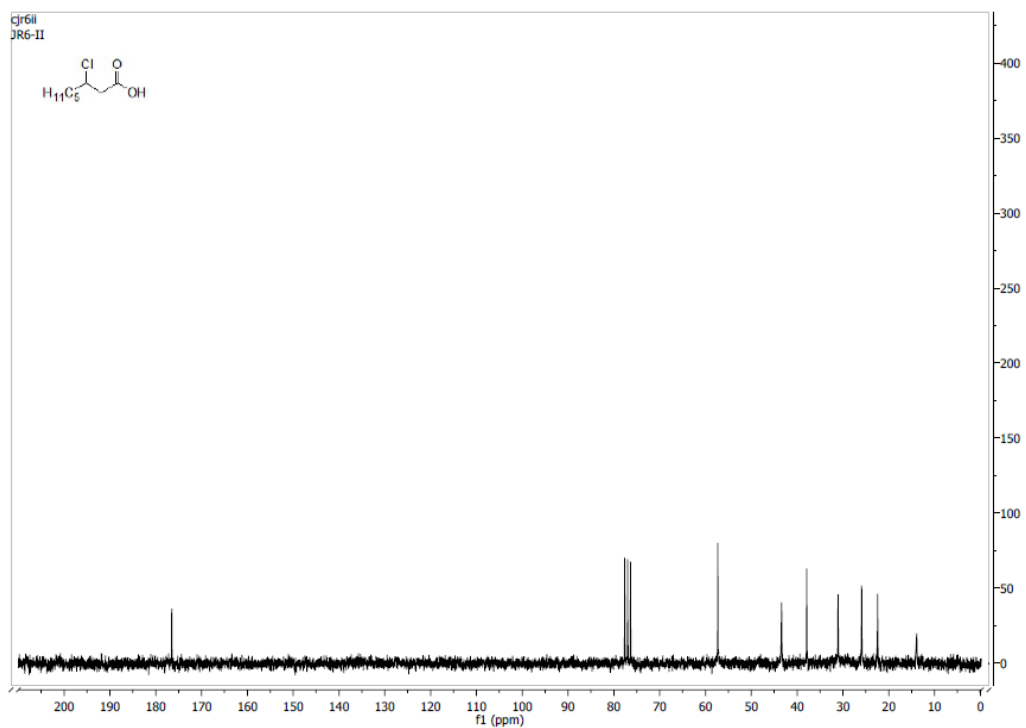


## 3-chlorooctanoic acid (6)

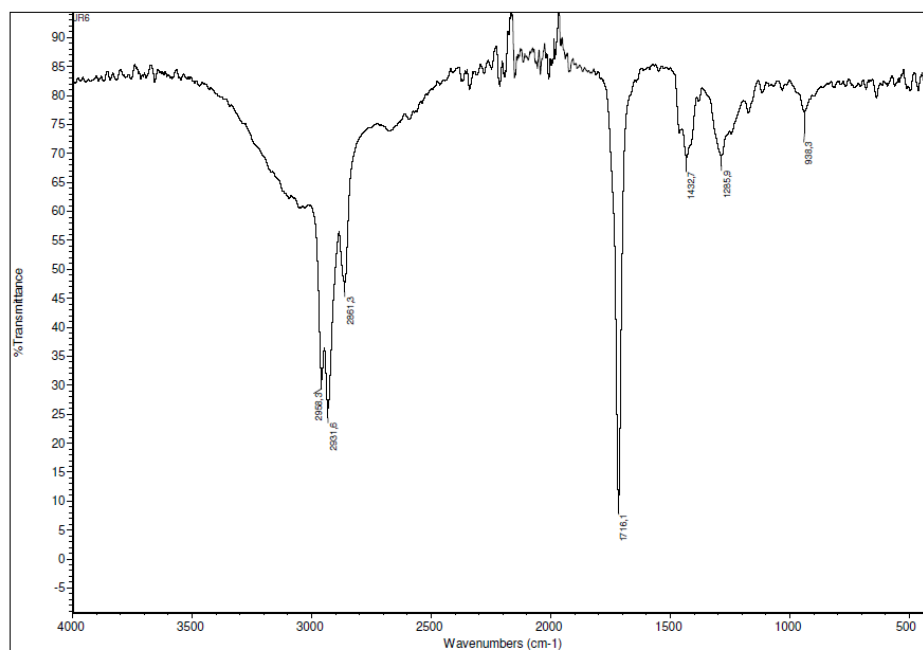
## <sup>1</sup>H NMR



# <sup>13</sup>CNMR

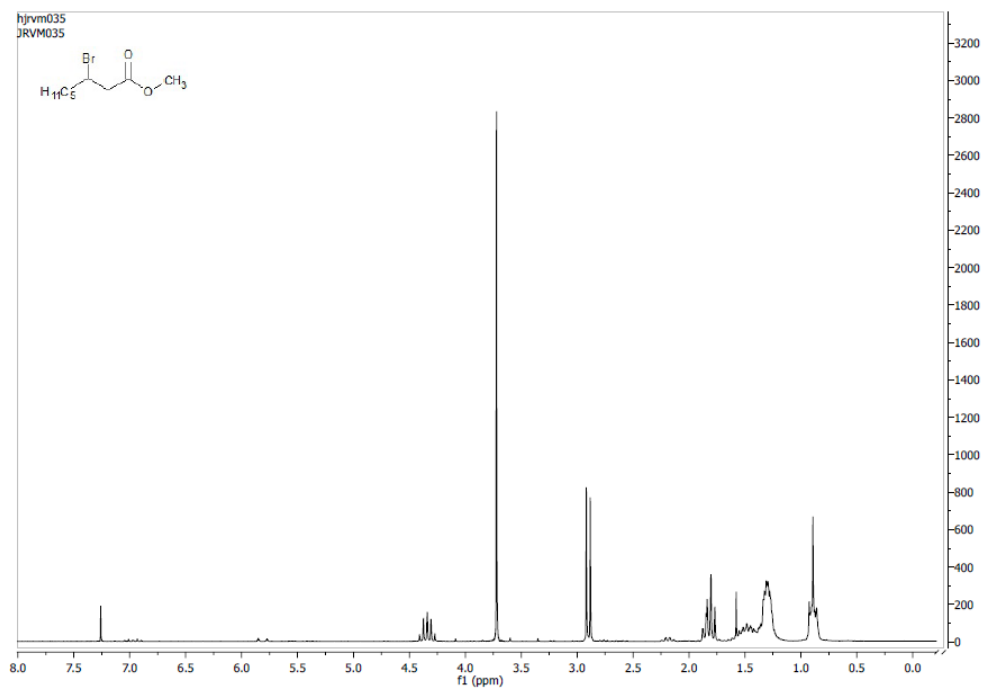


# IR

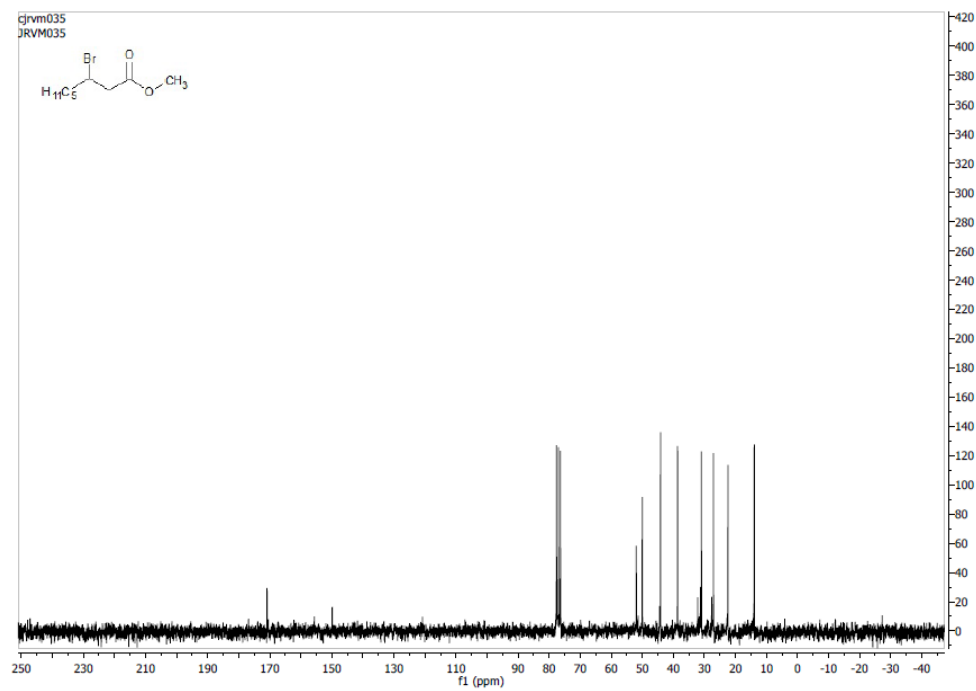


## Methyl 3-bromooctanoate (7)

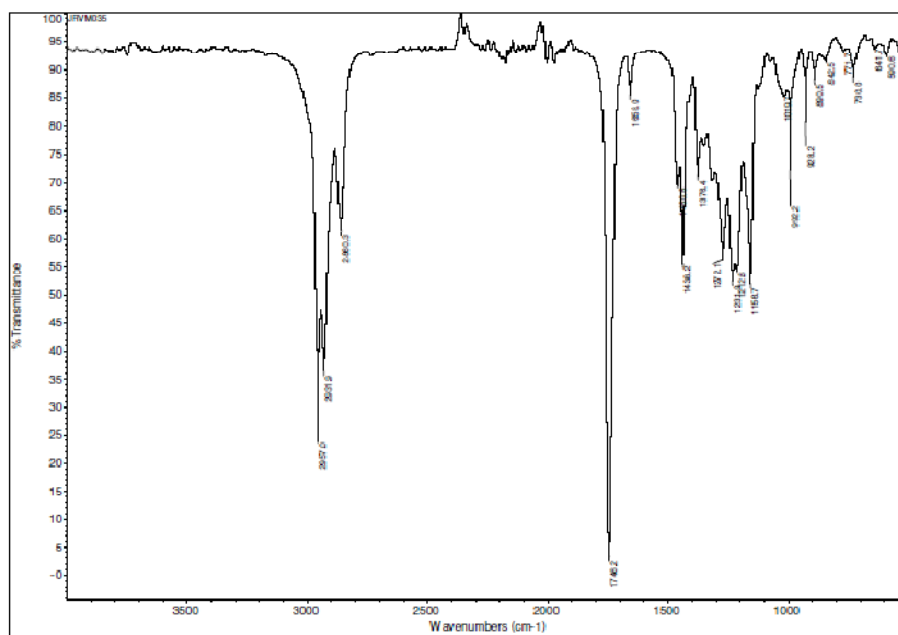
### $^1\text{H}$ NMR



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

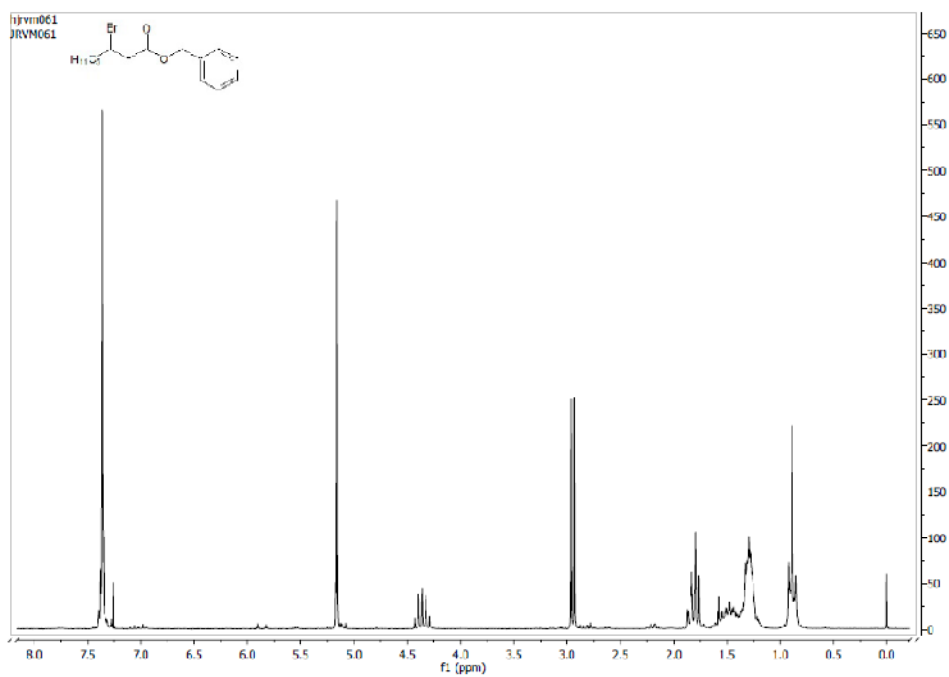


## IR

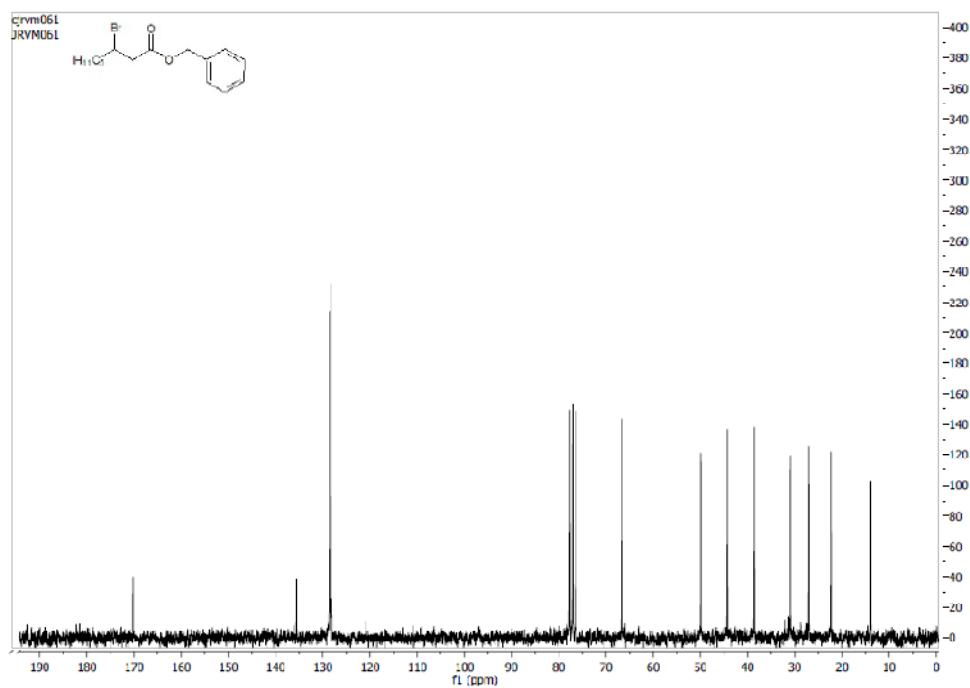


## Benzyl 3-bromooctanoate (8)

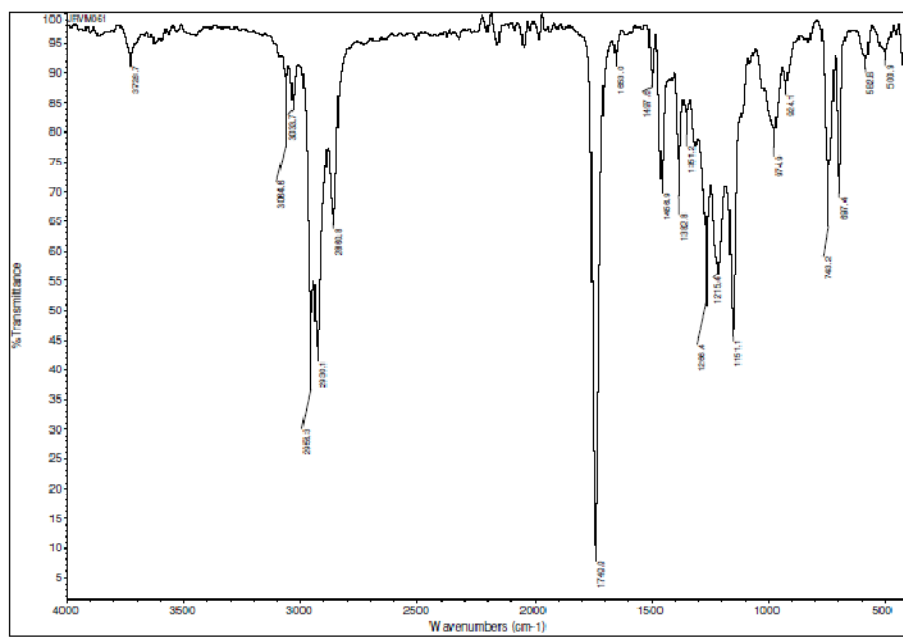
### <sup>1</sup>H NMR



# <sup>13</sup>CNMR

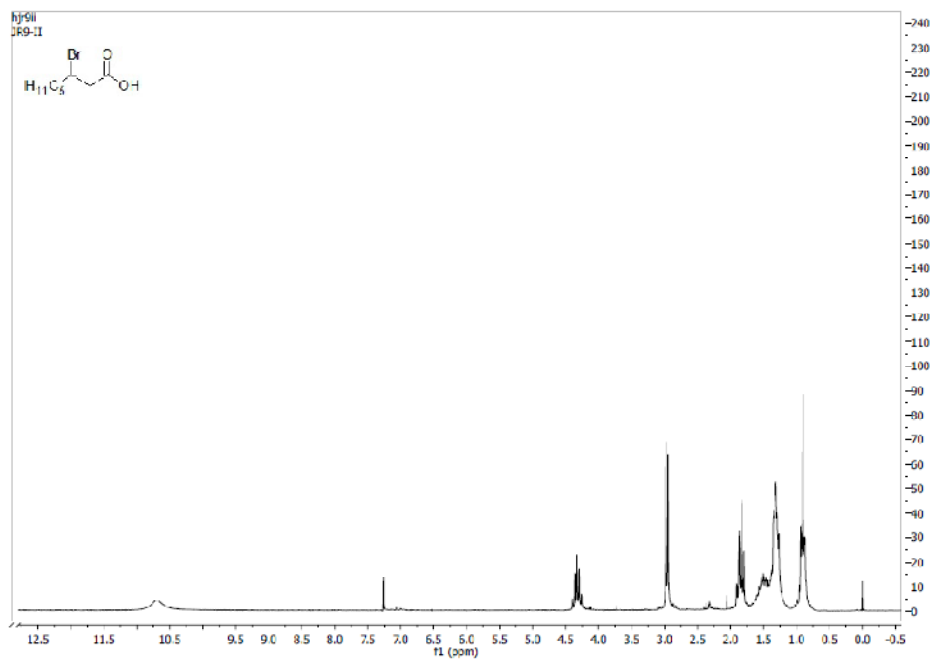


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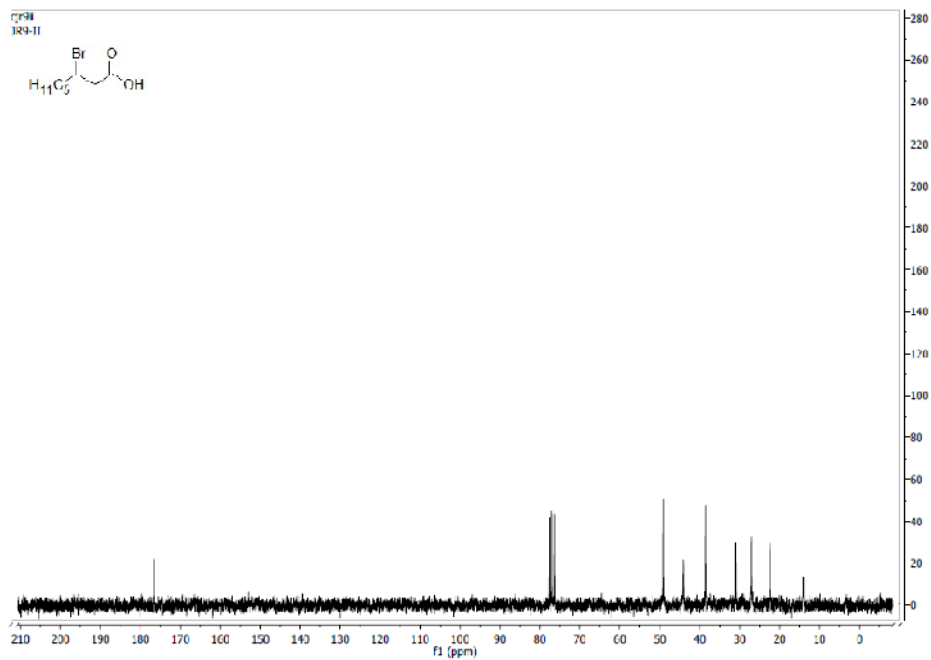


### 3-bromooctanoic acid (9)

#### <sup>1</sup>H NMR

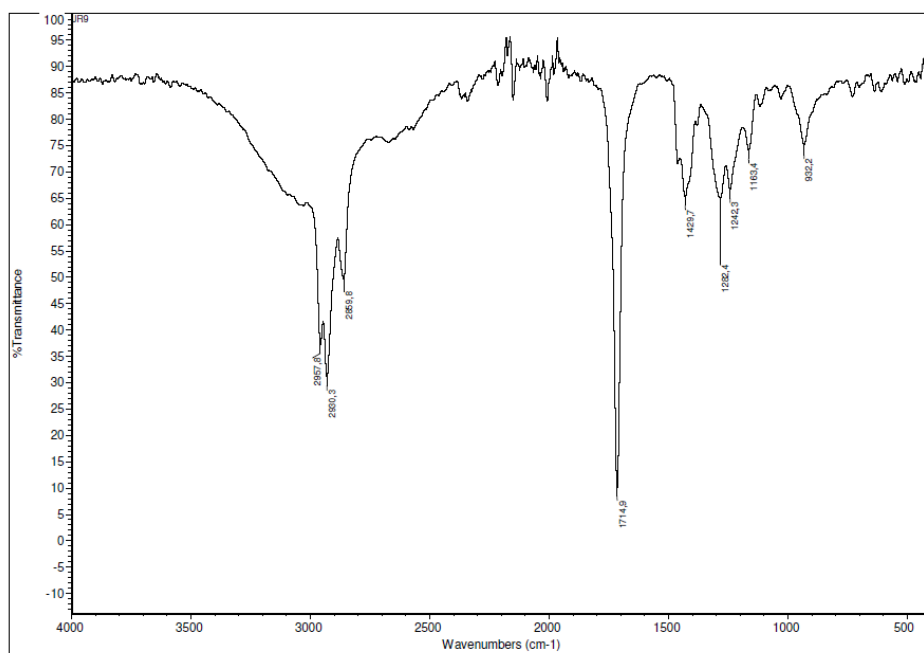


#### <sup>13</sup>C NMR



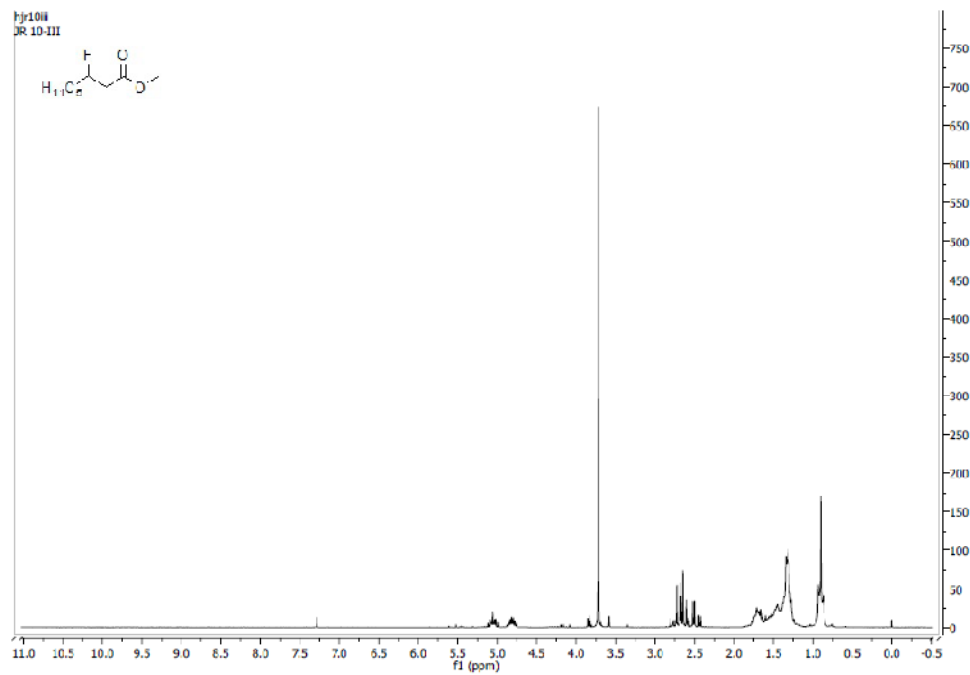


## IR

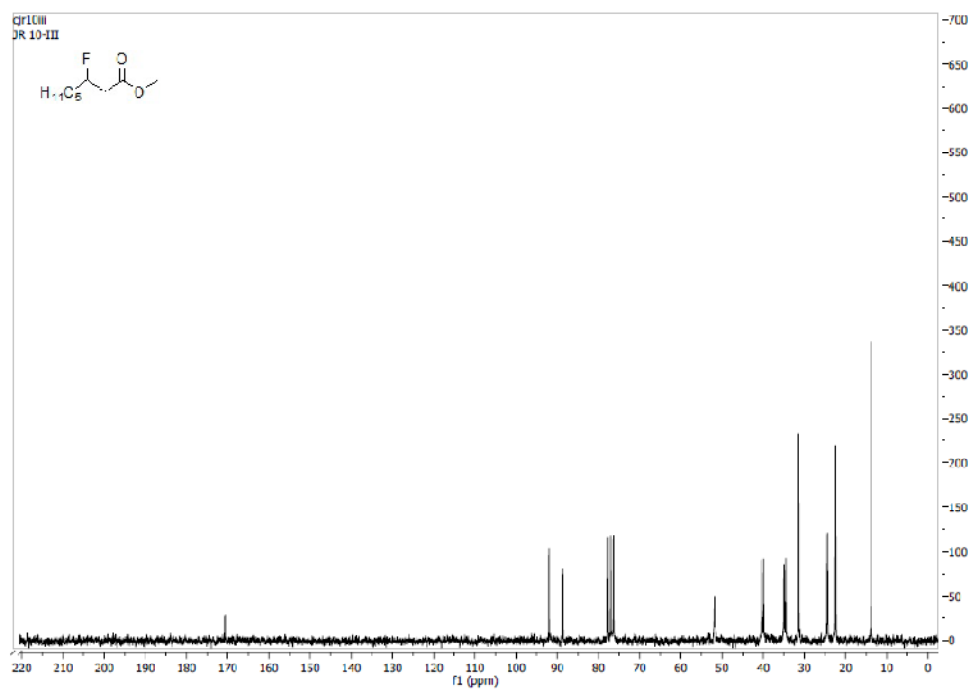


## Methyl 3-fluorooctanoate (10)

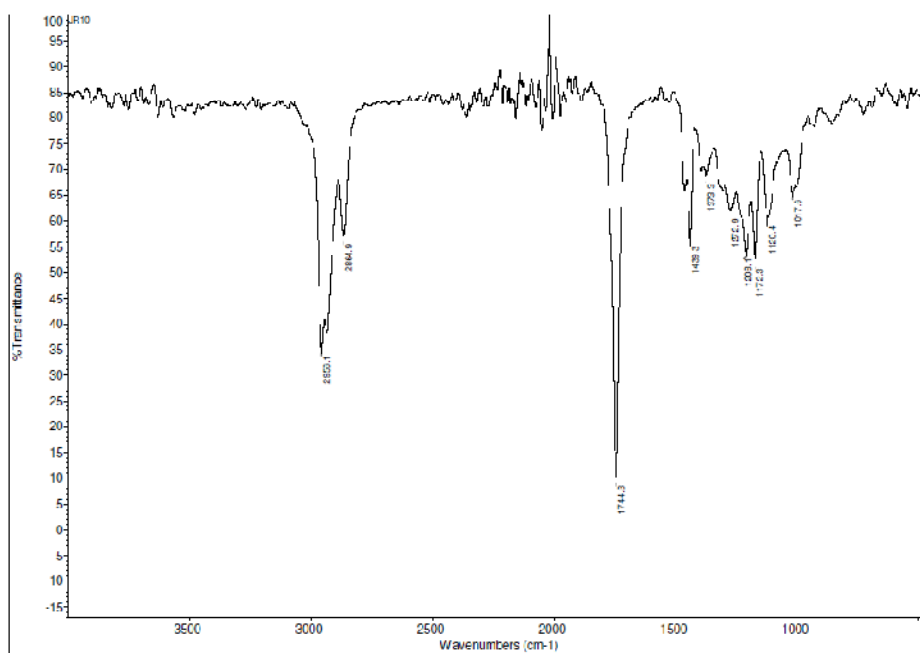
### <sup>1</sup>H NMR



# <sup>13</sup>CNMR

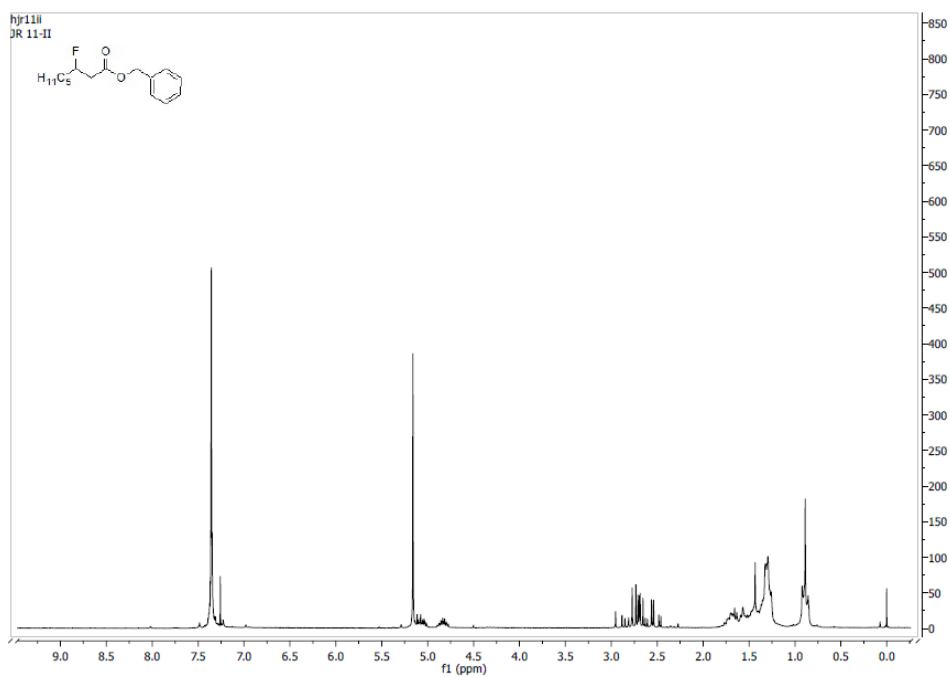


# IR

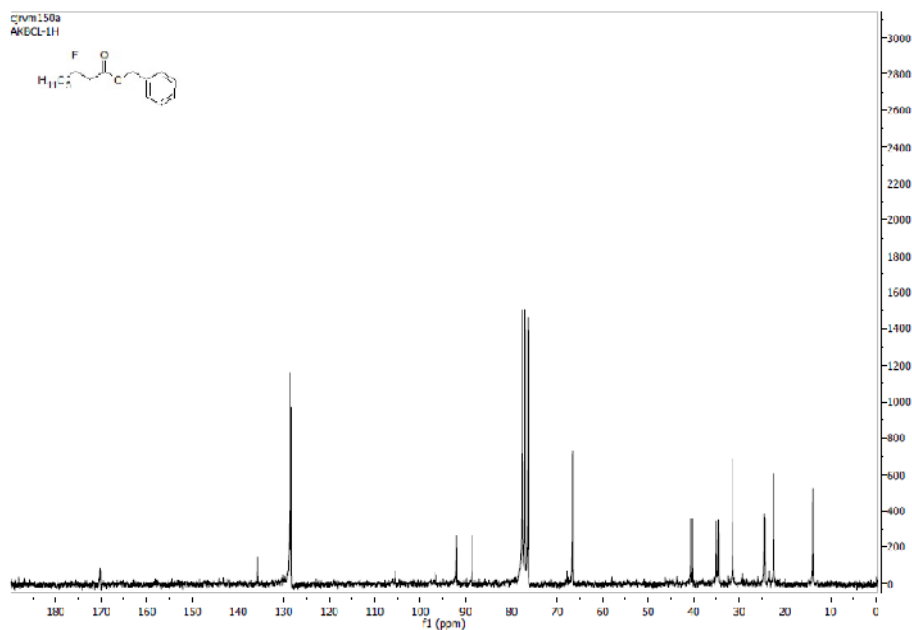


## Benzyl-3-fluorooctanoate (11)

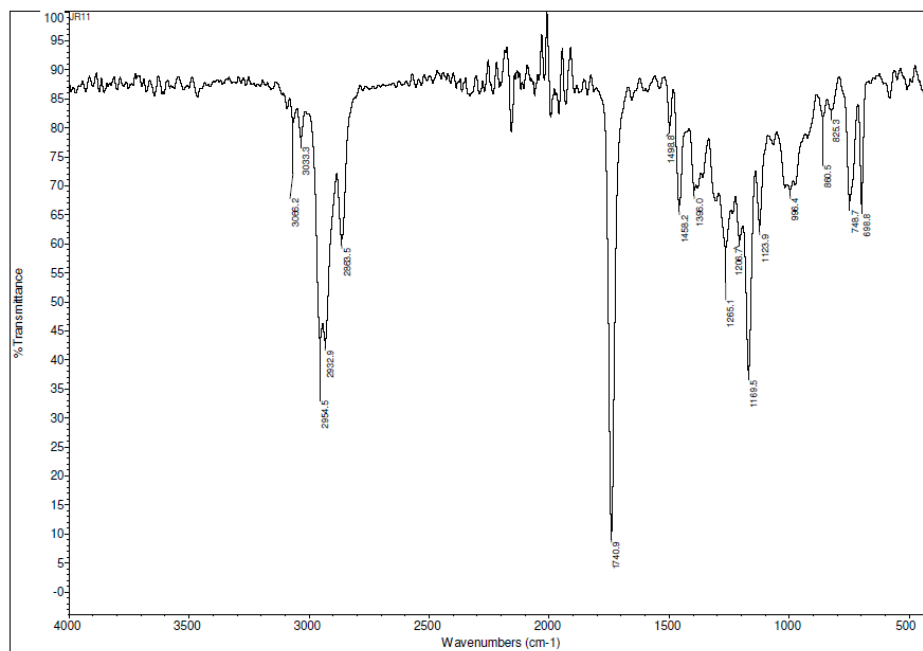
### $^1\text{H}$ NMR



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

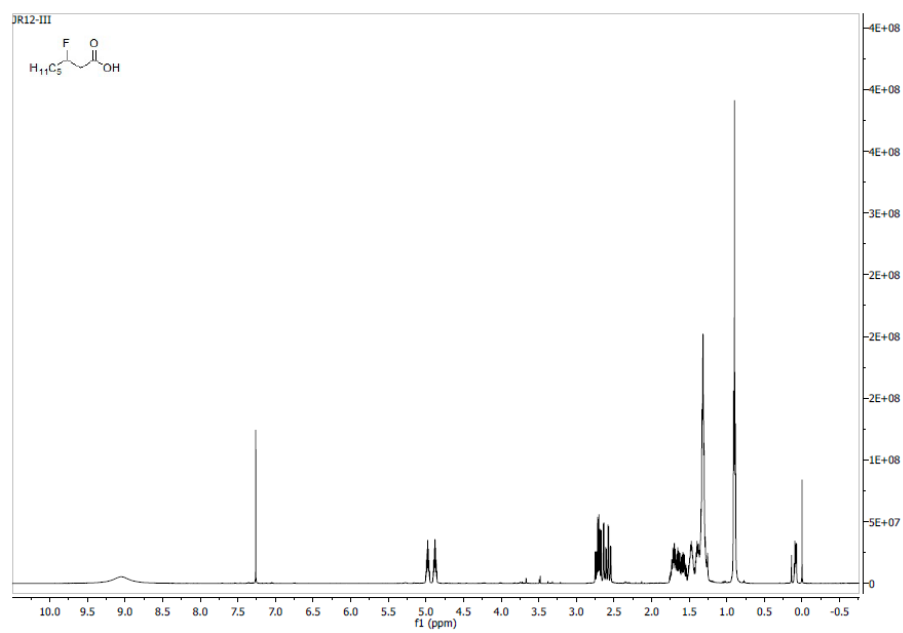


## IR

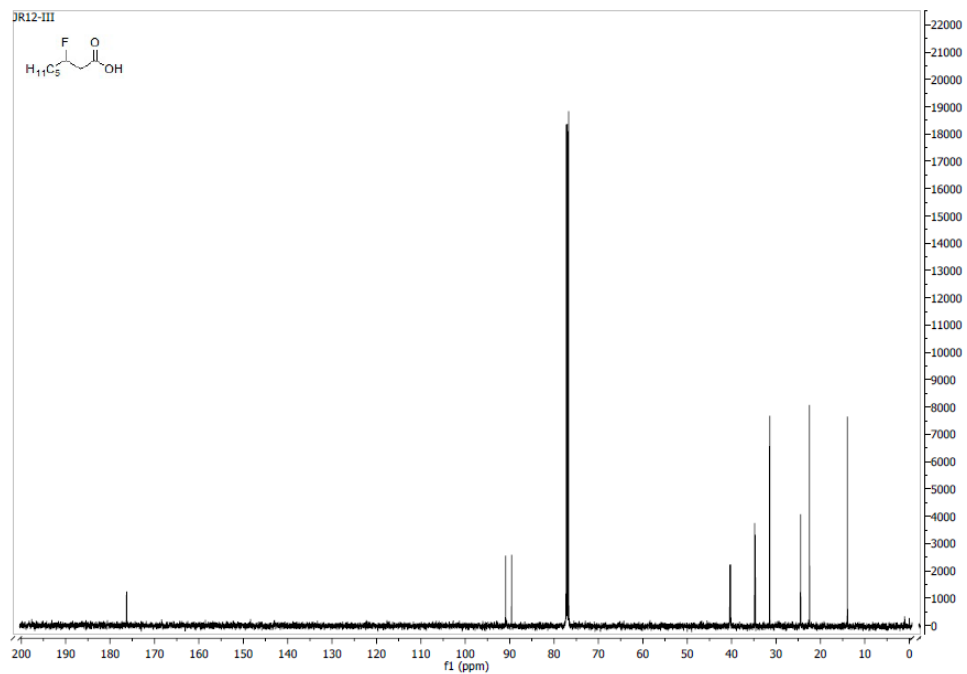


## 3-fluorooctanoic acid (12)

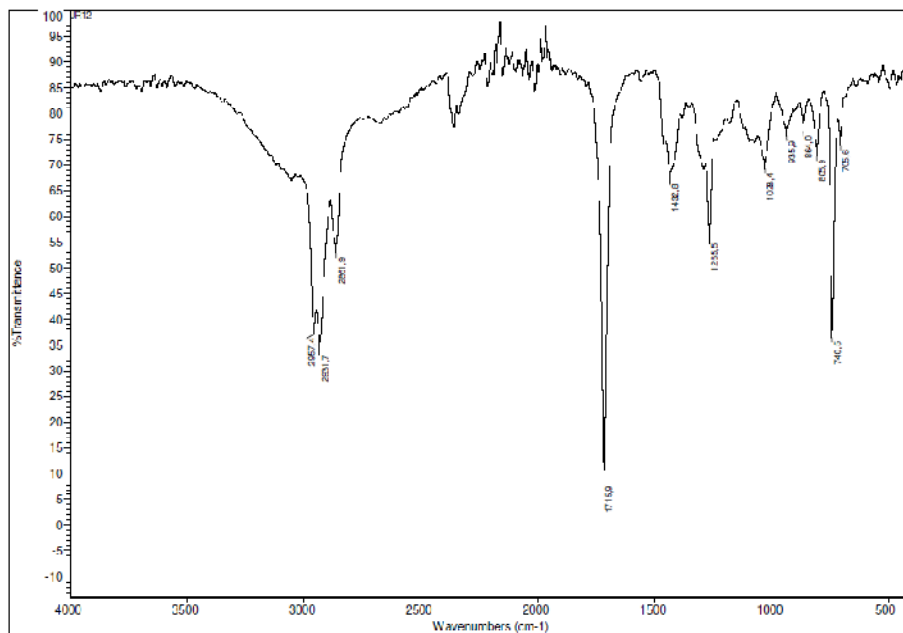
## <sup>1</sup>H NMR



# <sup>13</sup>CNMR

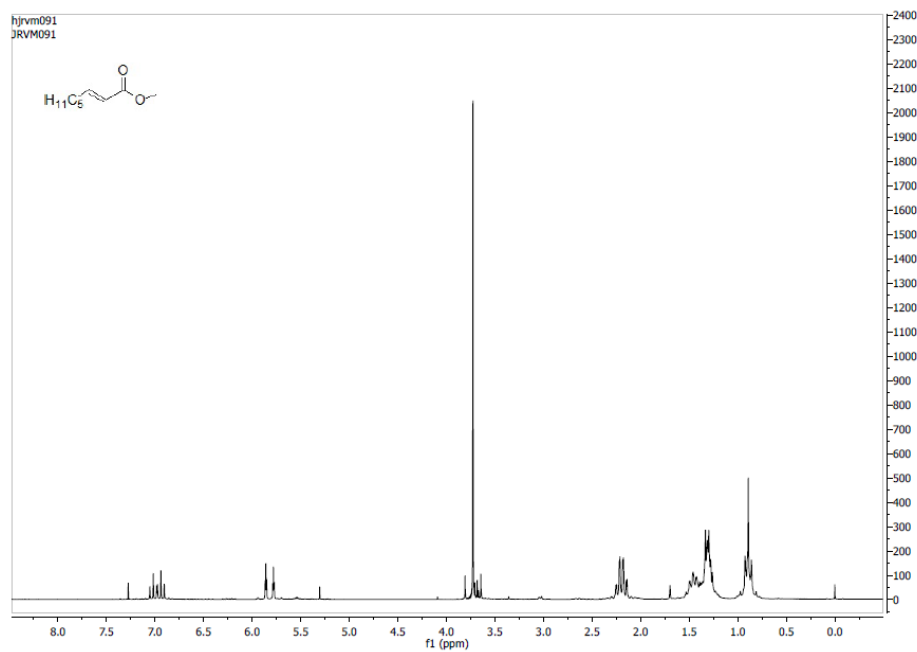


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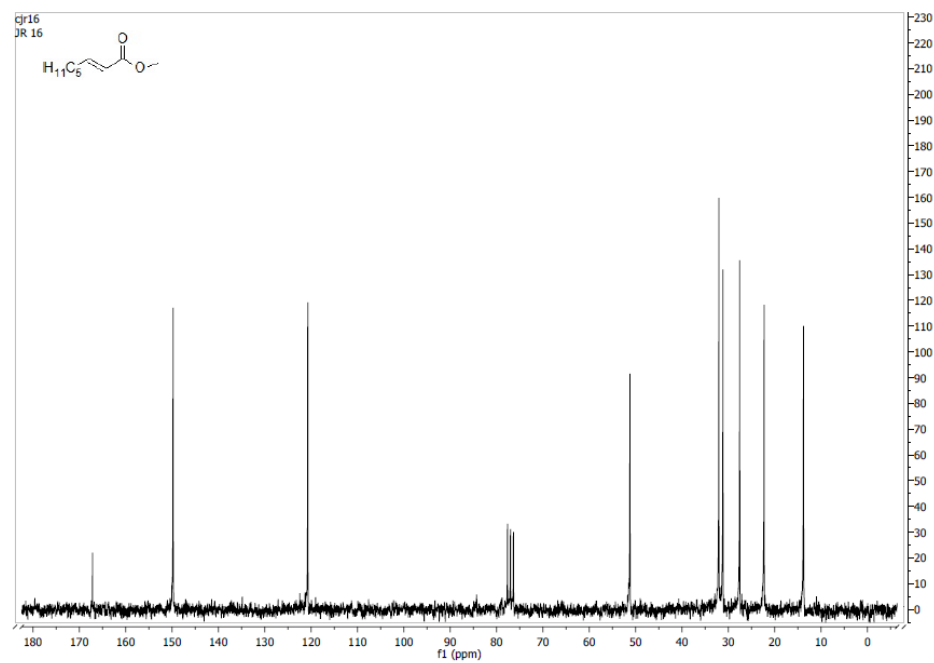


## Methyl (E)-oct-2-enoate (13)

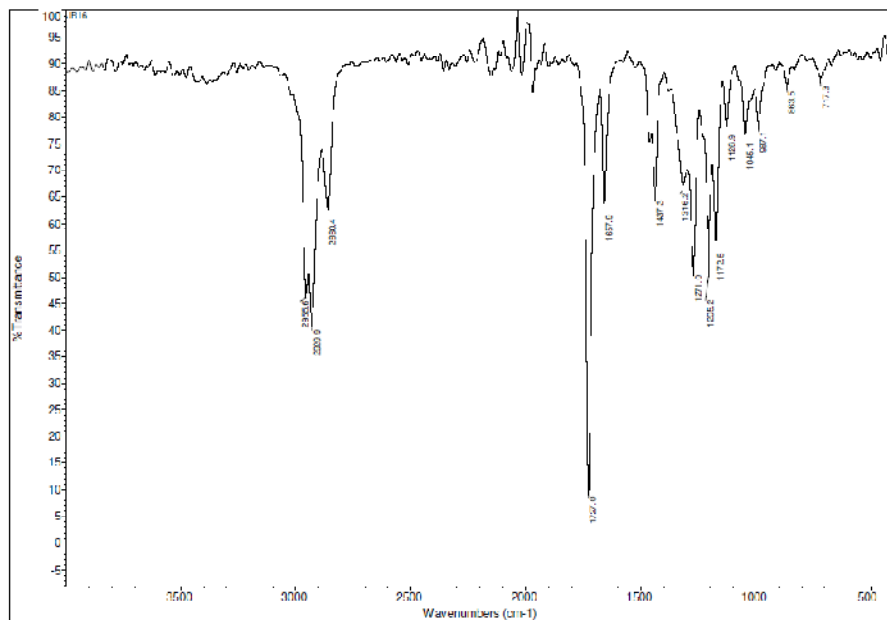
### <sup>1</sup>H NMR



### <sup>13</sup>C NMR

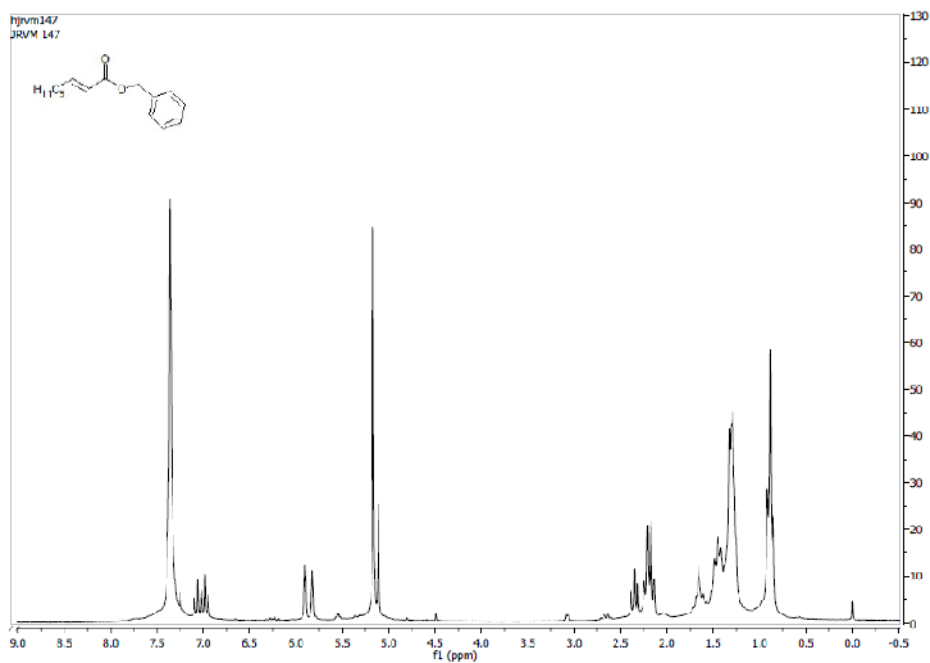


## IR

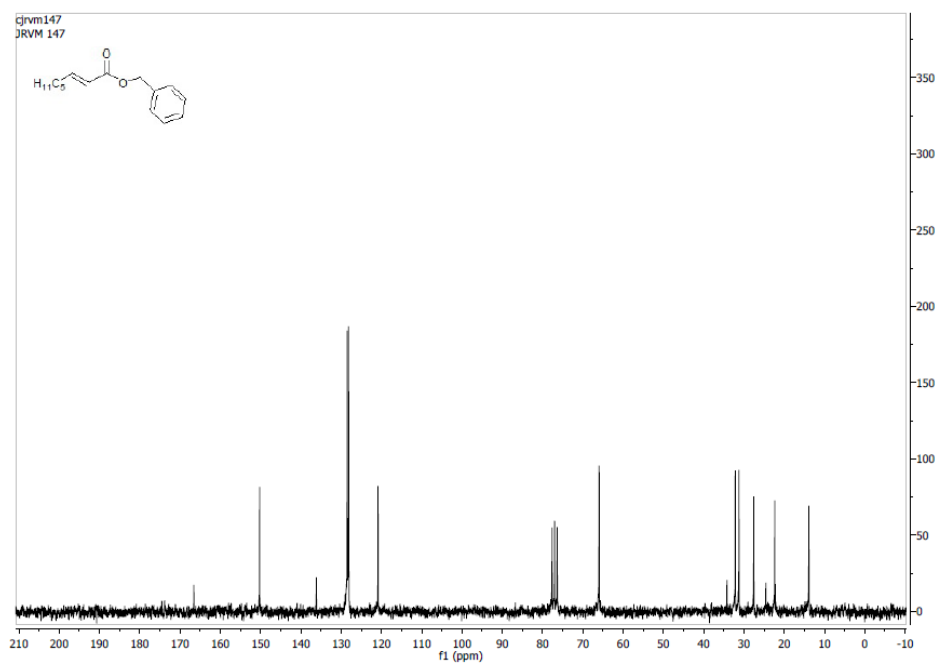


## Benzyl (E)-oct-2-enoate (14)

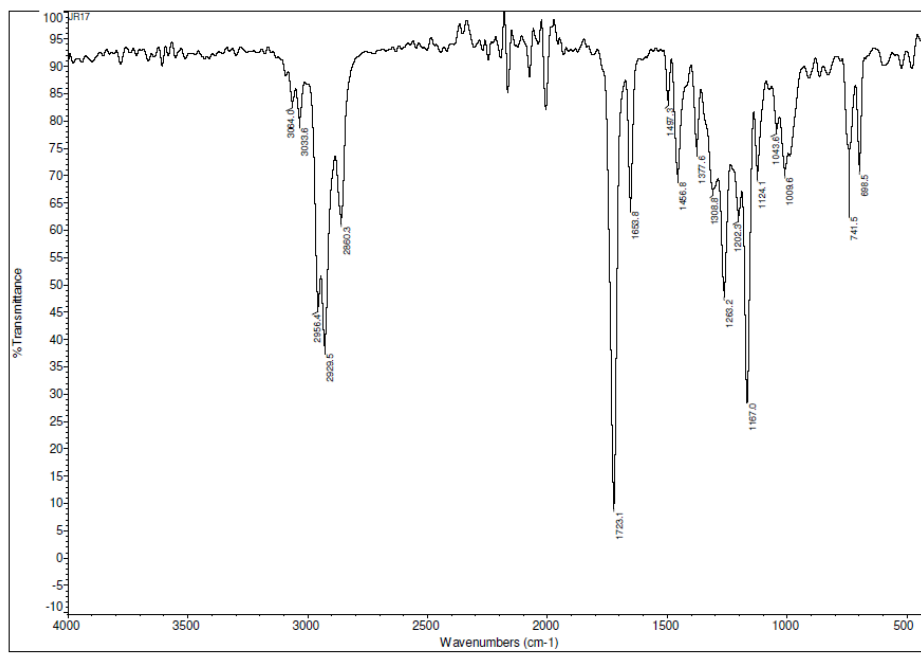
### <sup>1</sup>H NMR



# <sup>13</sup>CNMR



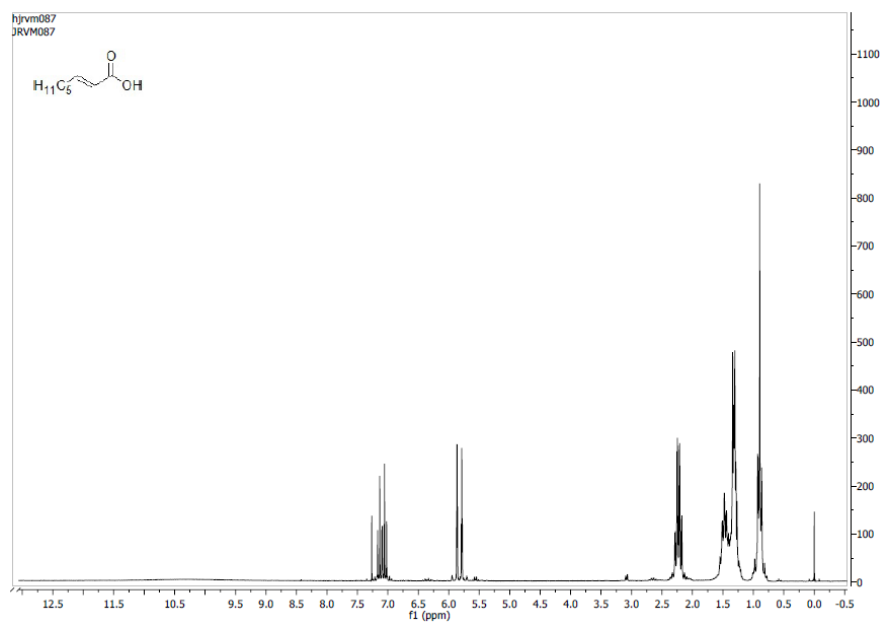
# IR



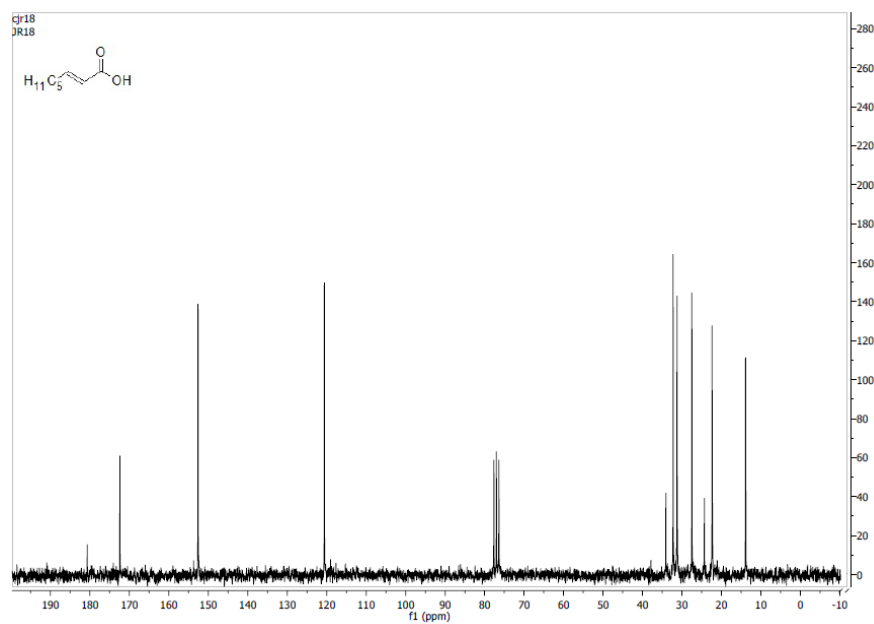


## (2E)-oct-2-enoic acid (15)

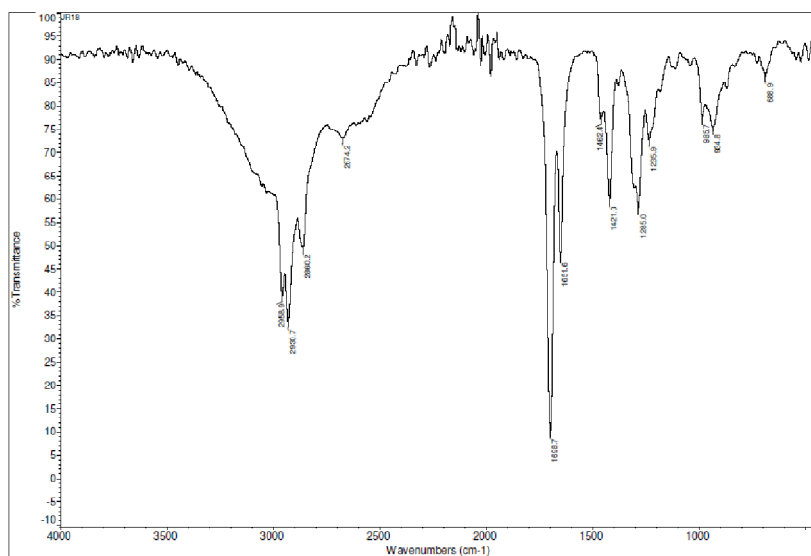
### <sup>1</sup>H NMR



### <sup>13</sup>C NMR

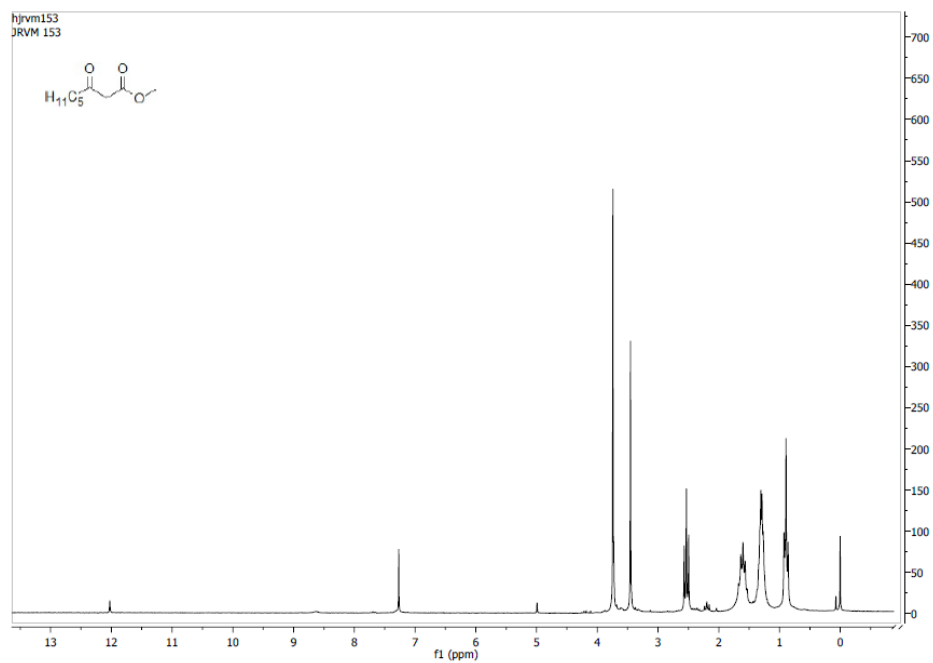


## IR

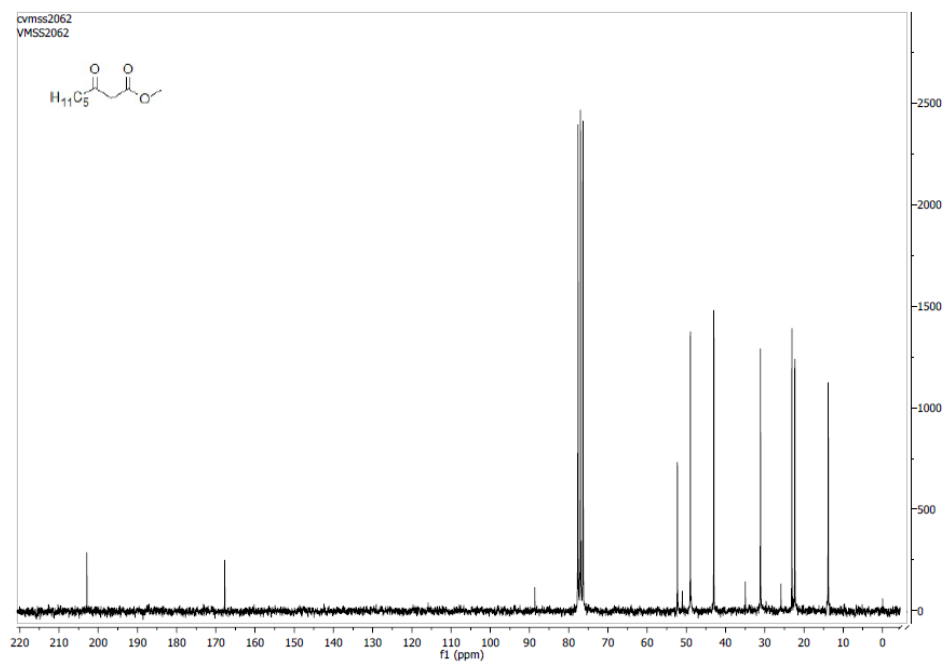


## Methyl 3-oxooctanoate (16)

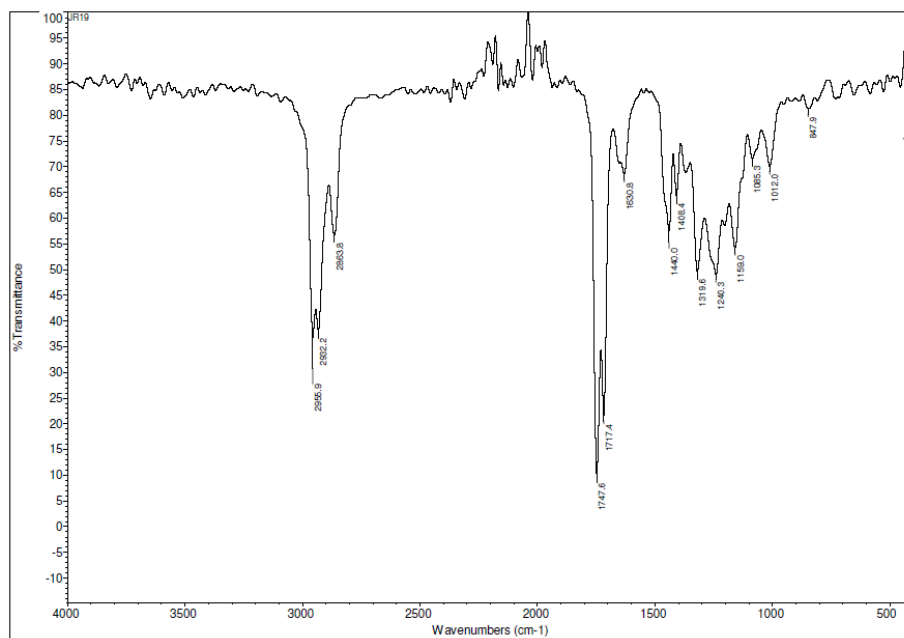
### <sup>1</sup>H NMR



# <sup>13</sup>CNMR

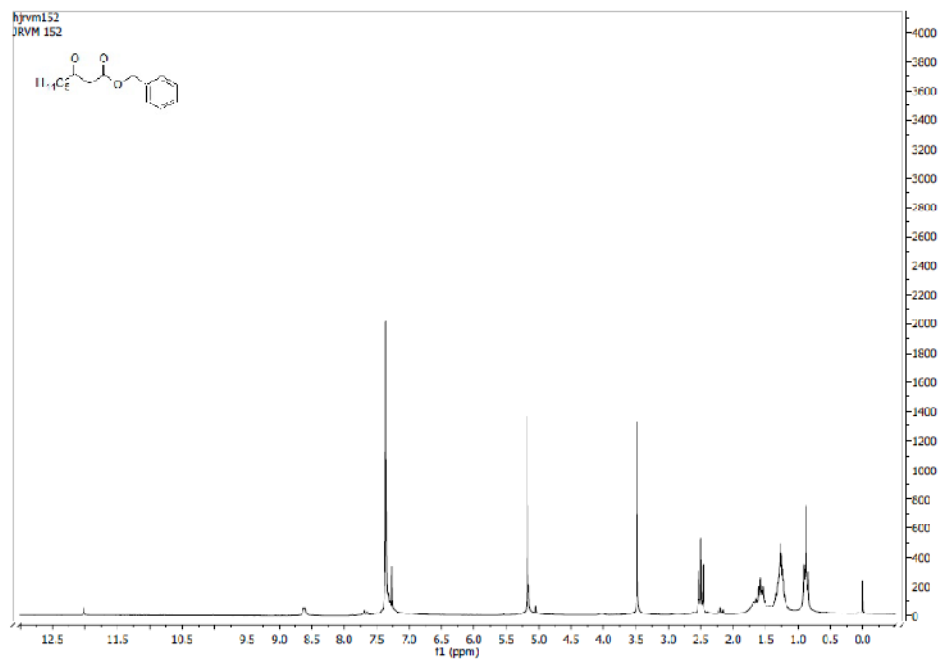


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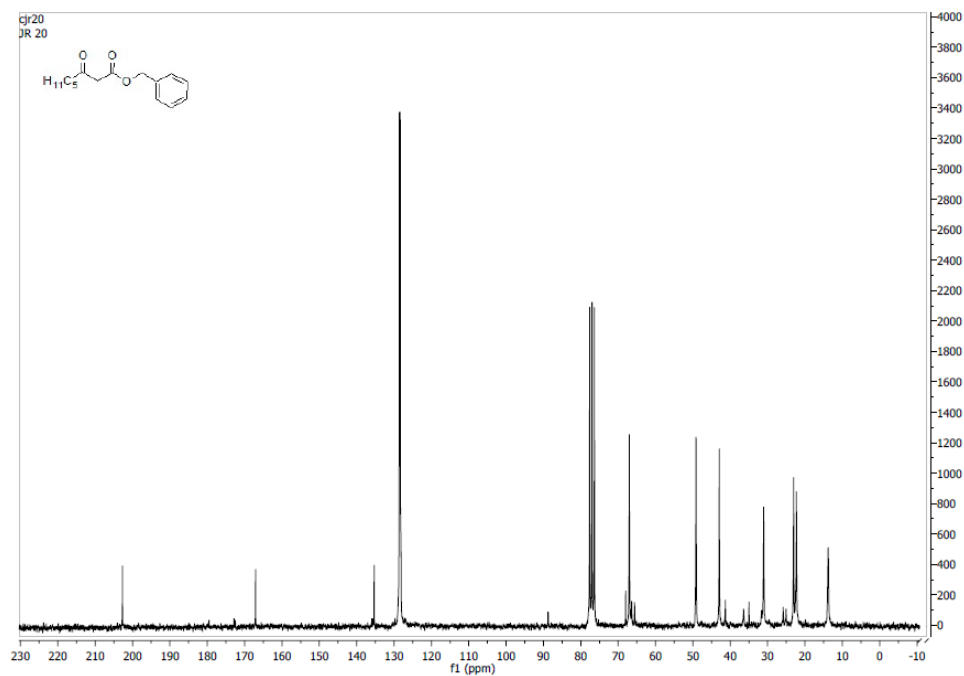


## Benzyl 3-oxooctanoate (17)

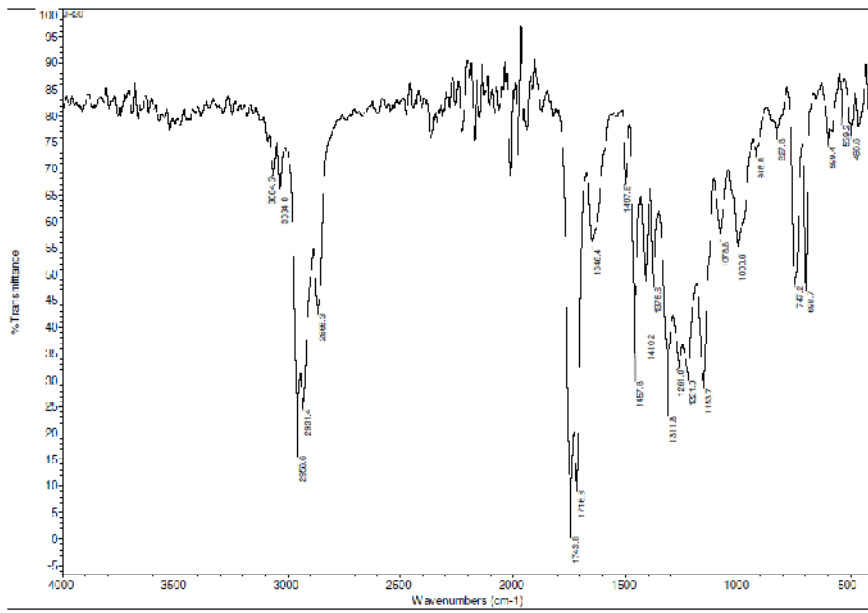
### $^1\text{H NMR}$



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

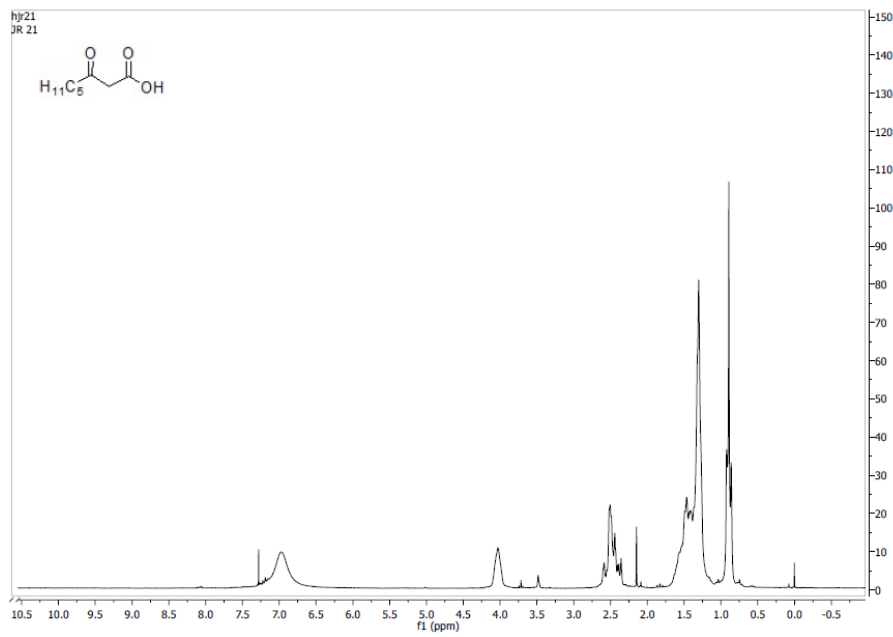


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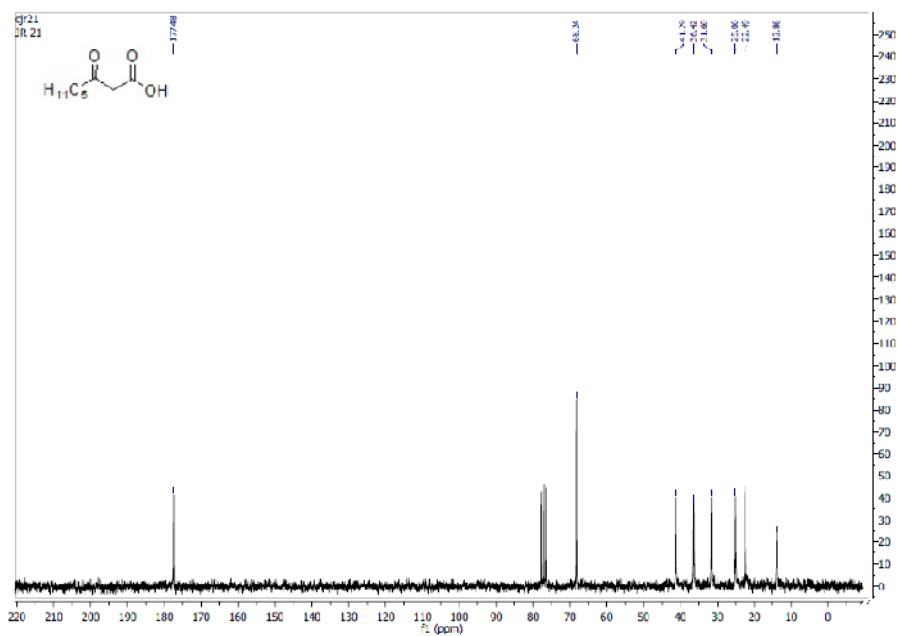


## 3-oxooctanoic acid (18)

## <sup>1</sup>H NMR



# <sup>13</sup>CNMR



# IR

