

A Stereocontrolled Access to Functionalized Macrolactams via Aza-Claisen Rearrangement

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Hwayoung Yun,^a Jaebong Jang,^a Nam-Jung Kim^a and Jong-Wha Jung*^a

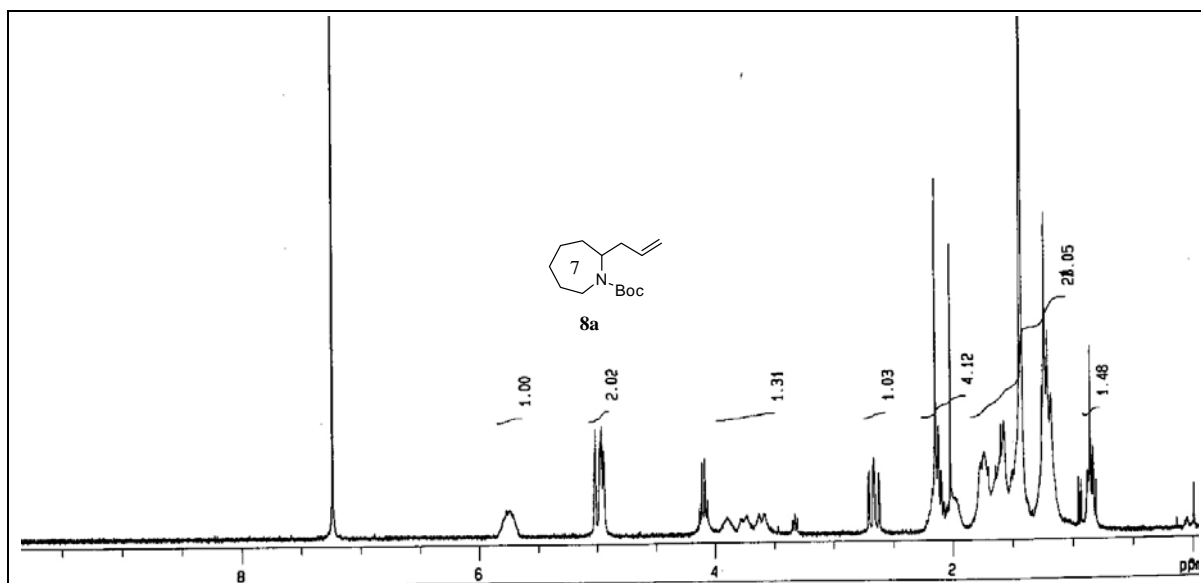
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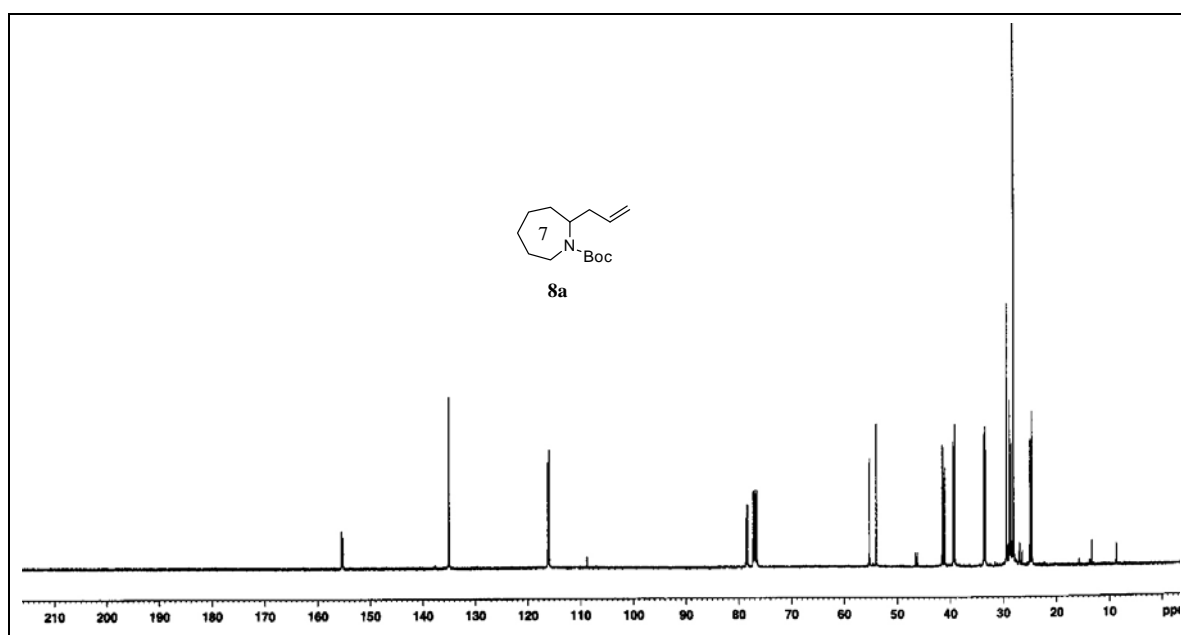
Supporting Information

¹H- and ¹³C-NMR Spectra

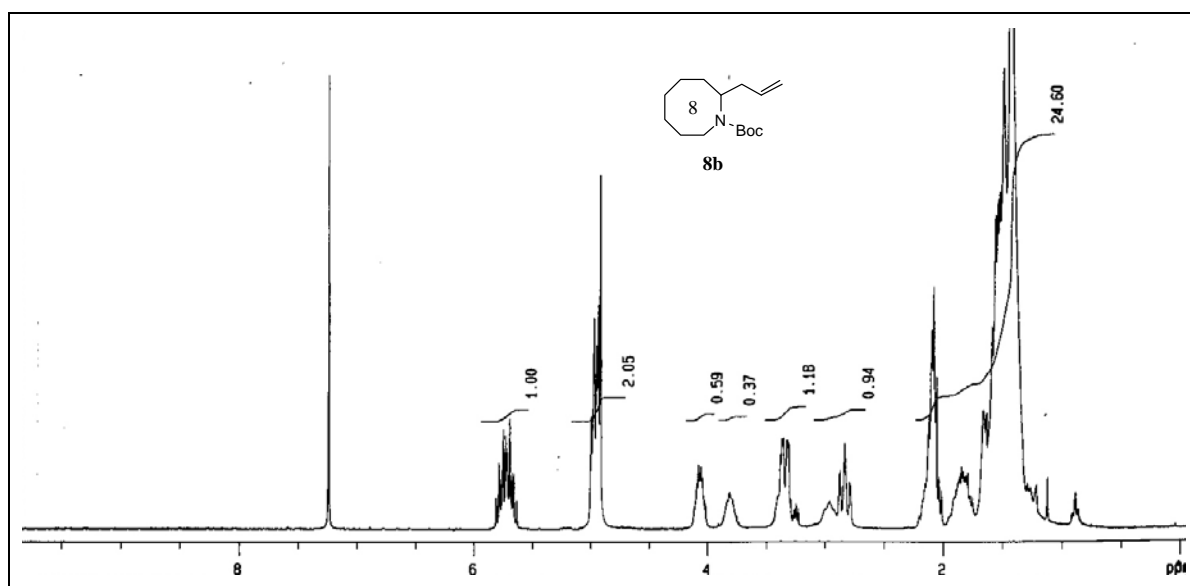
$^1\text{H-NMR}$ and $^{13}\text{C-NMR}$ Spectra



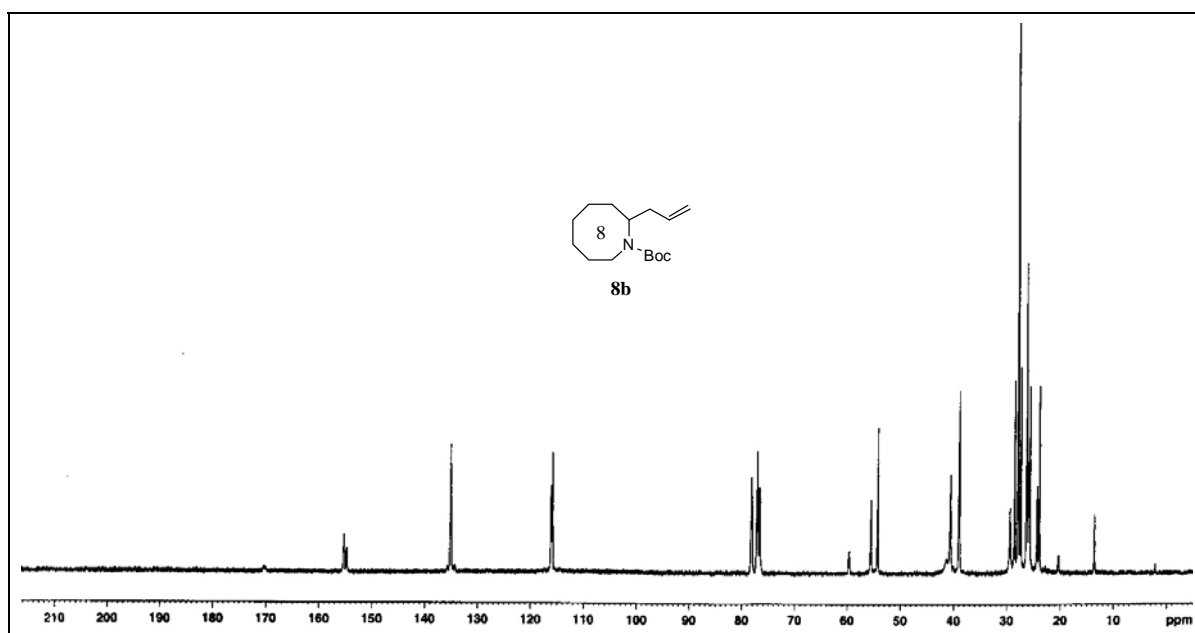
▲ $^1\text{H-NMR}$ (300 MHz, CDCl_3)



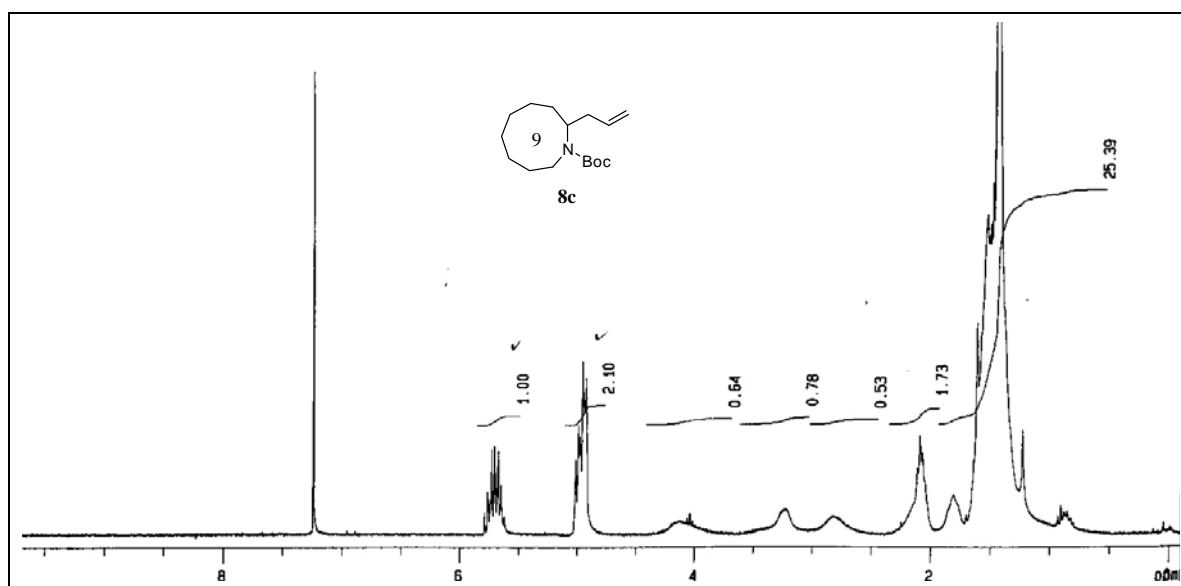
▲ $^{13}\text{C-NMR}$ (100 MHz, CDCl_3)



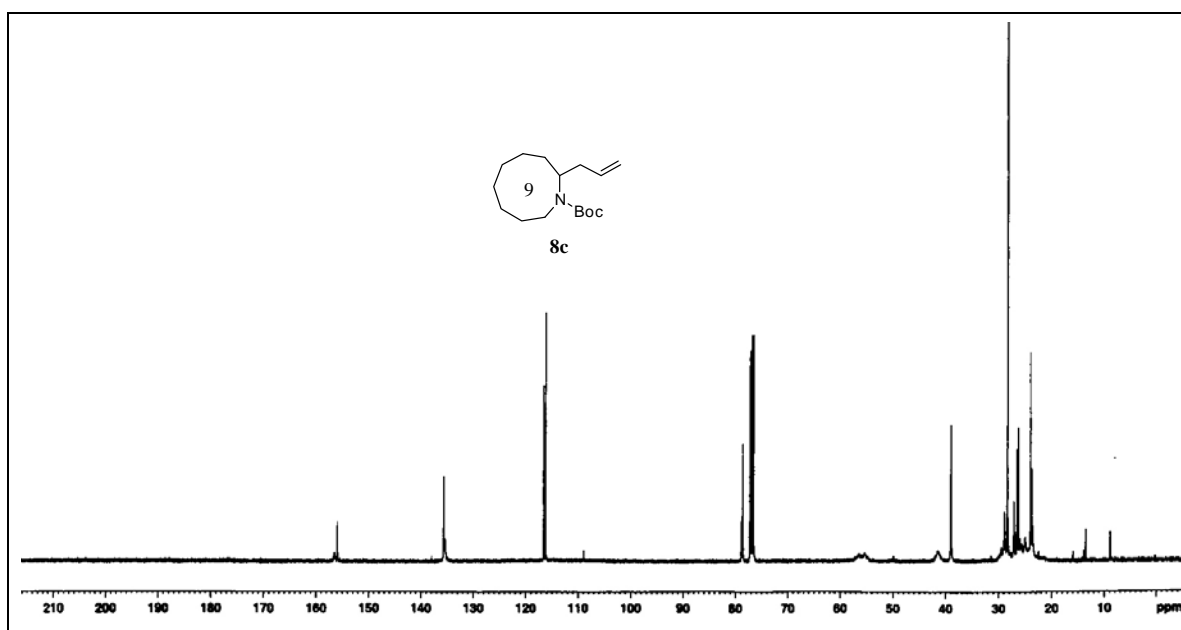
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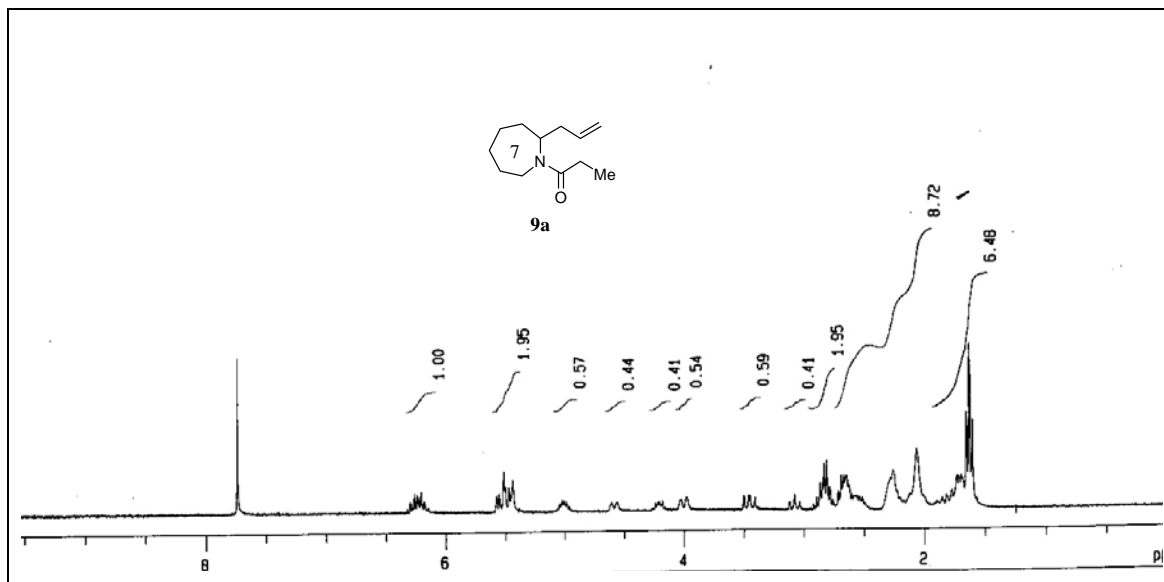
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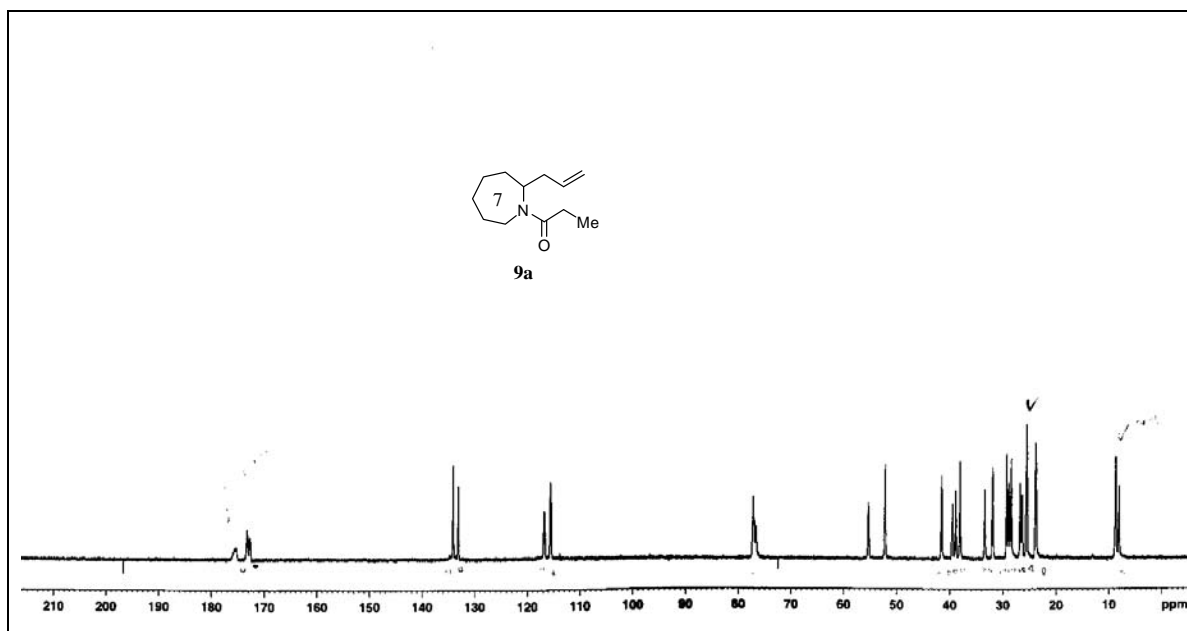
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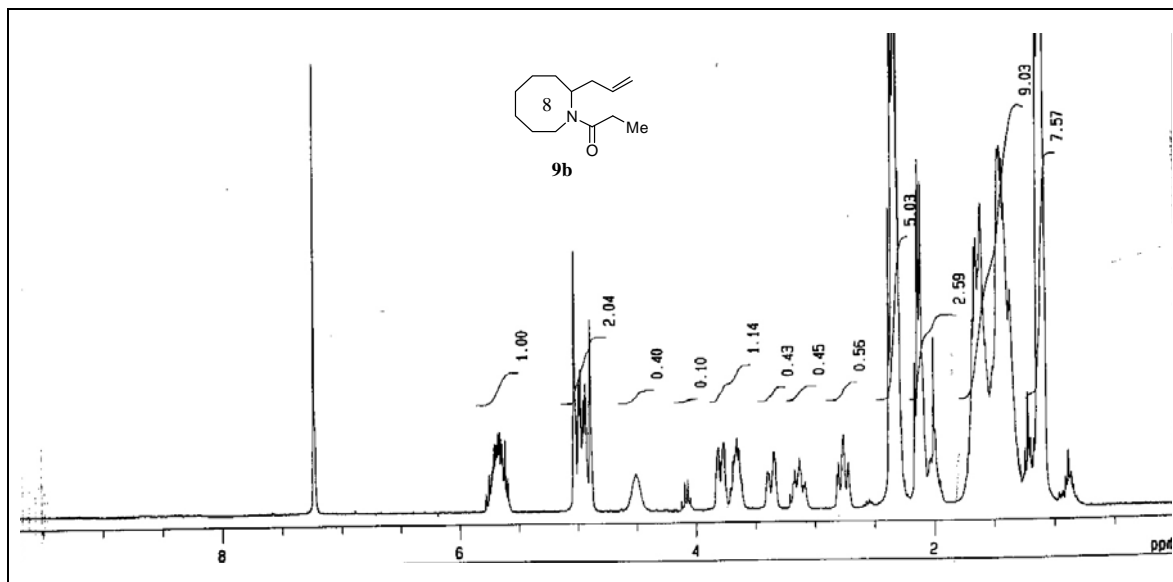
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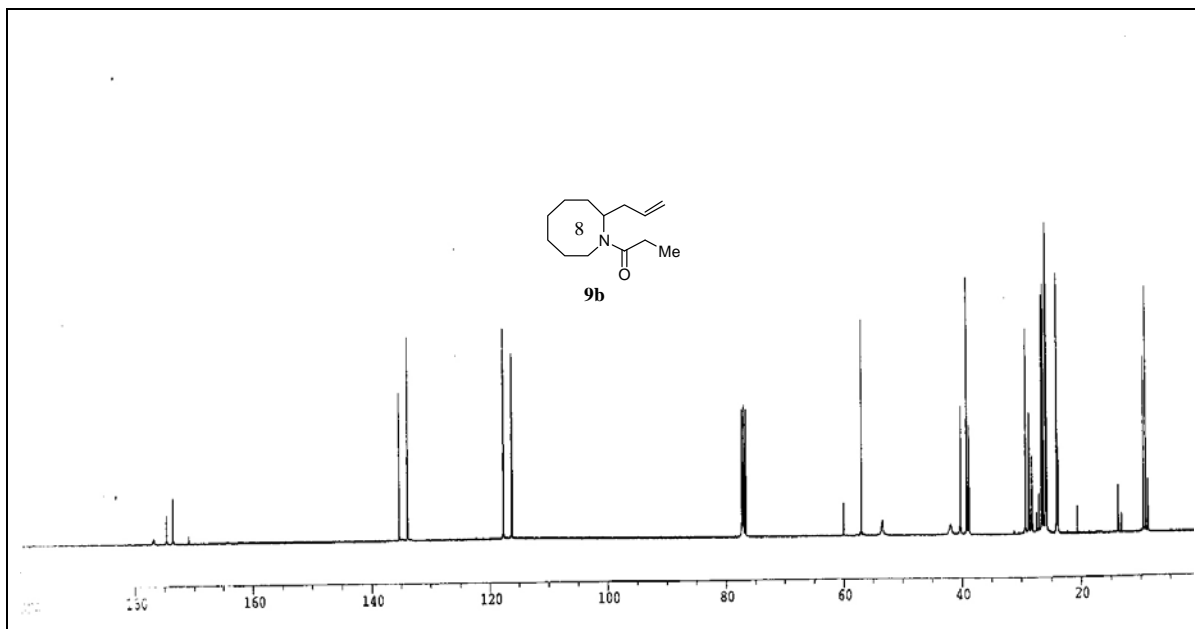
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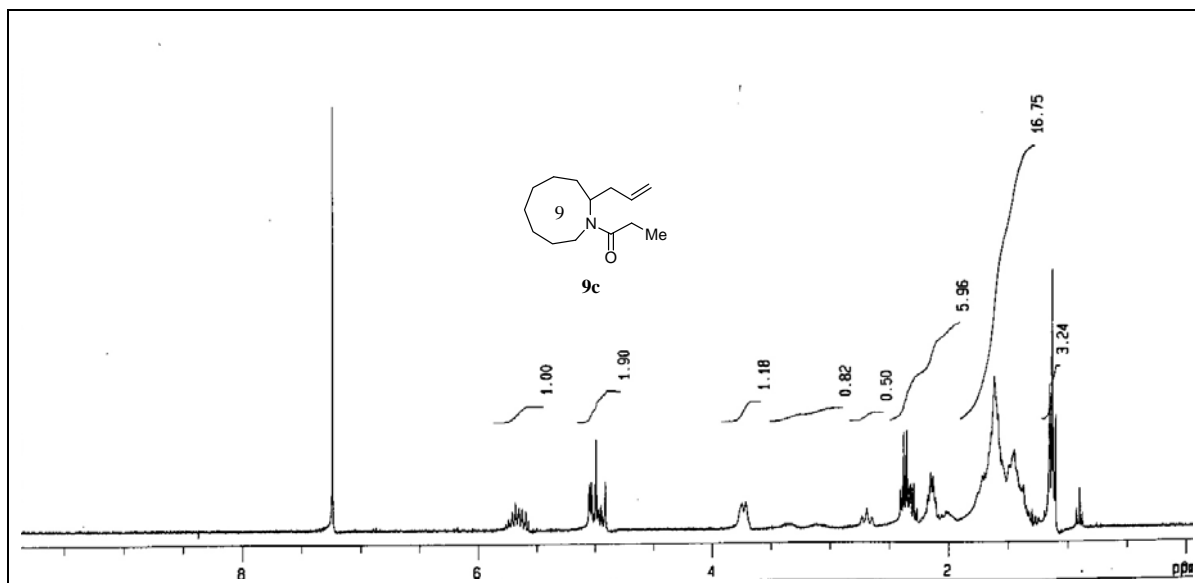
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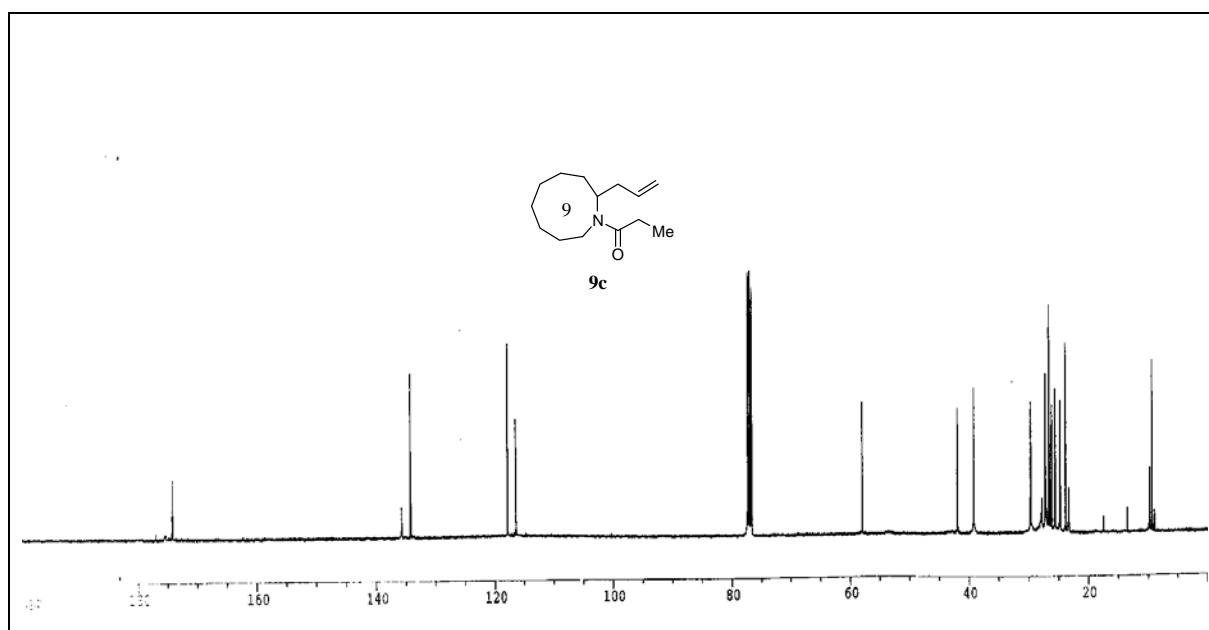
▲ ¹H-NMR (300 MHz, CDCl₃)



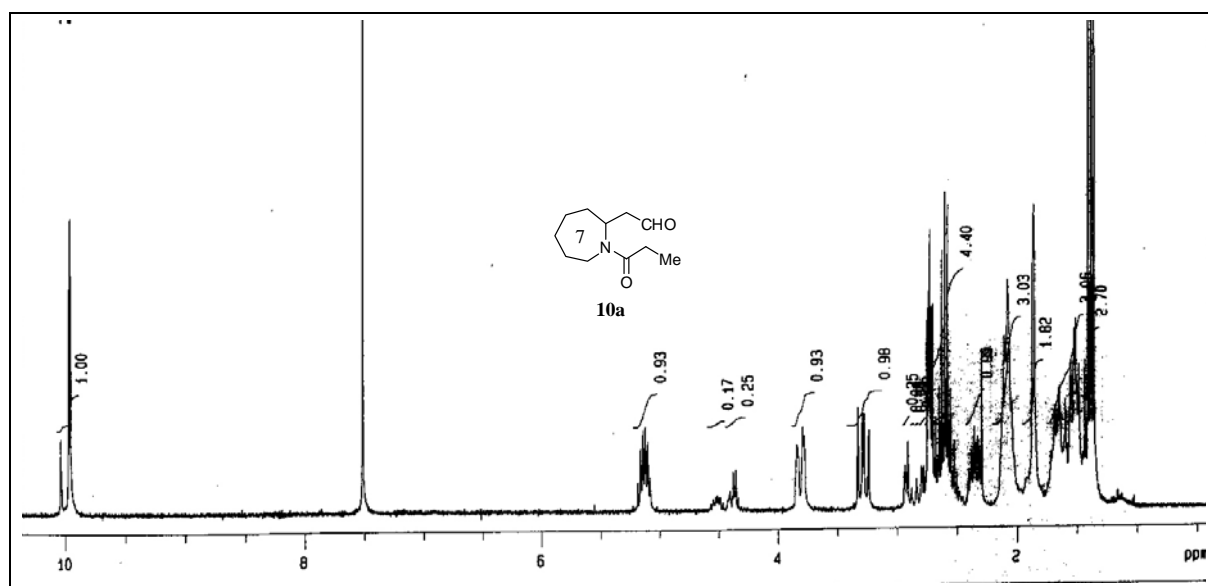
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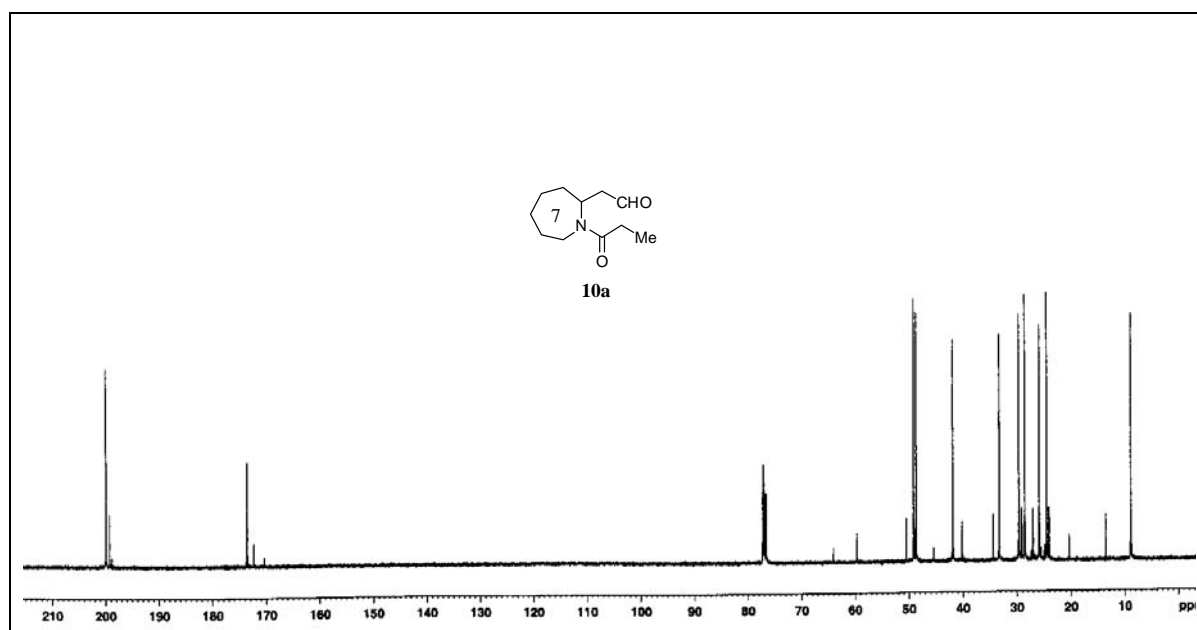
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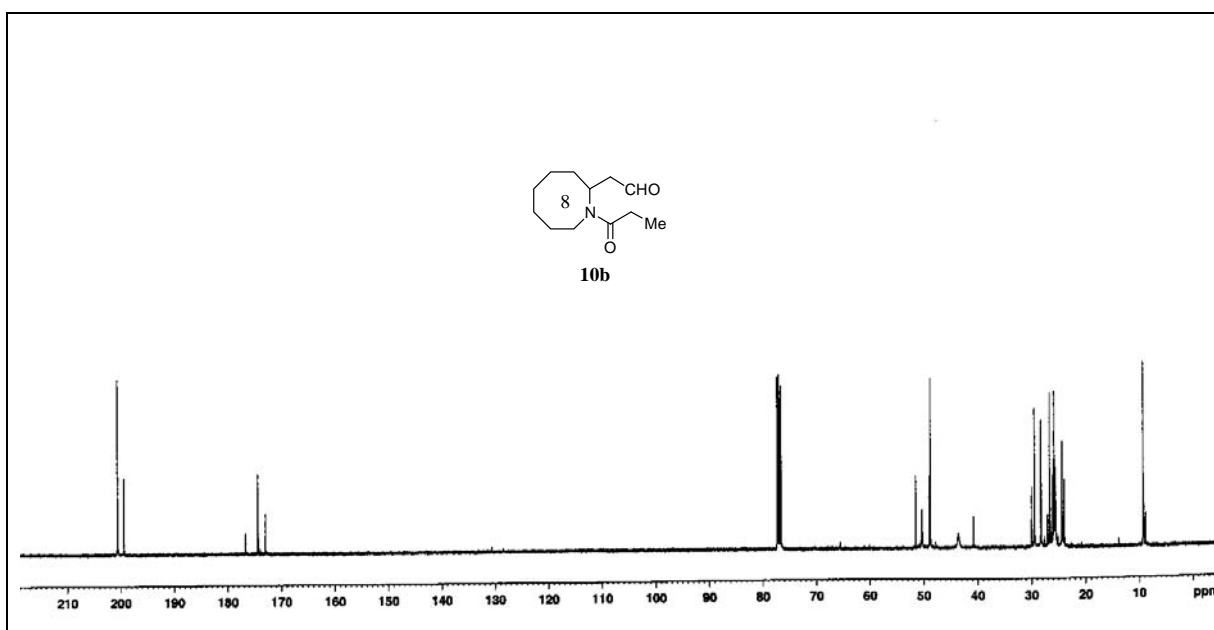
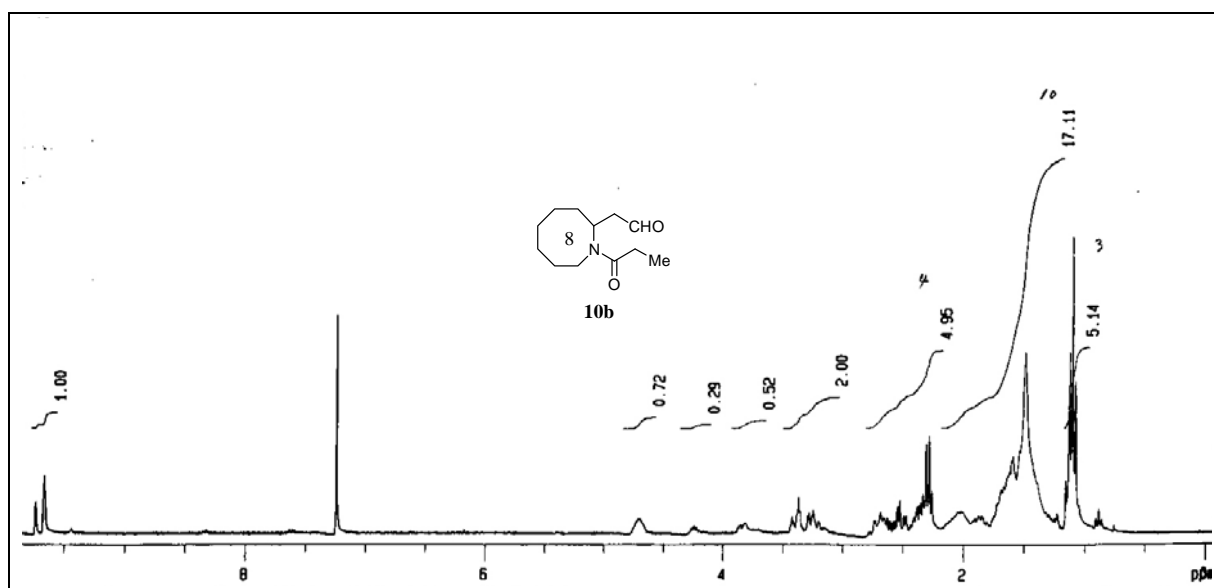
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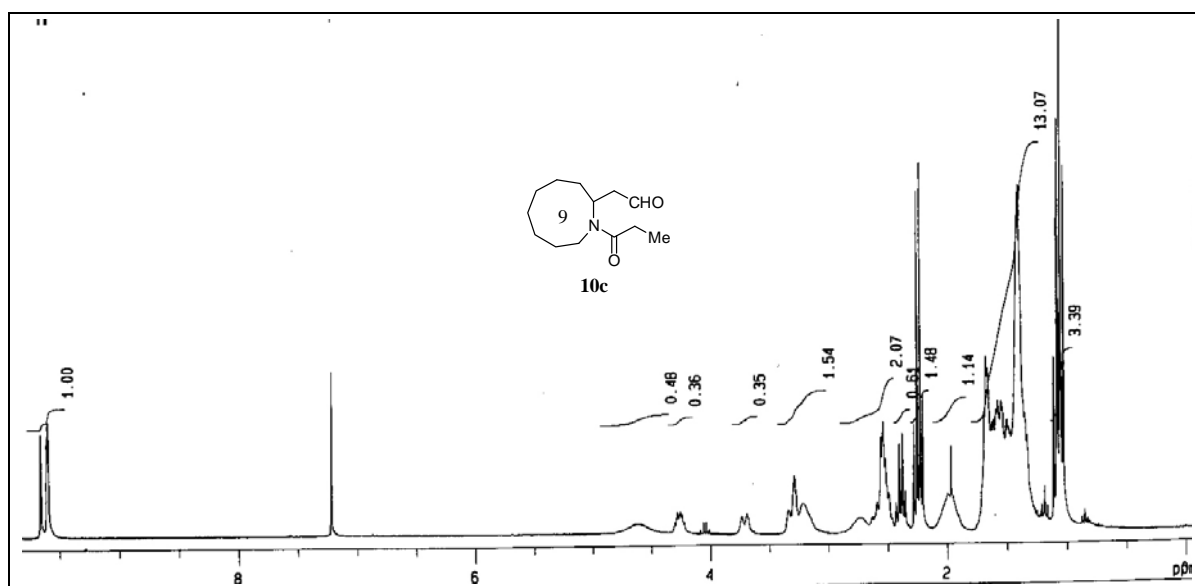


▲ $^1\text{H-NMR}$ (300 MHz, CDCl_3)

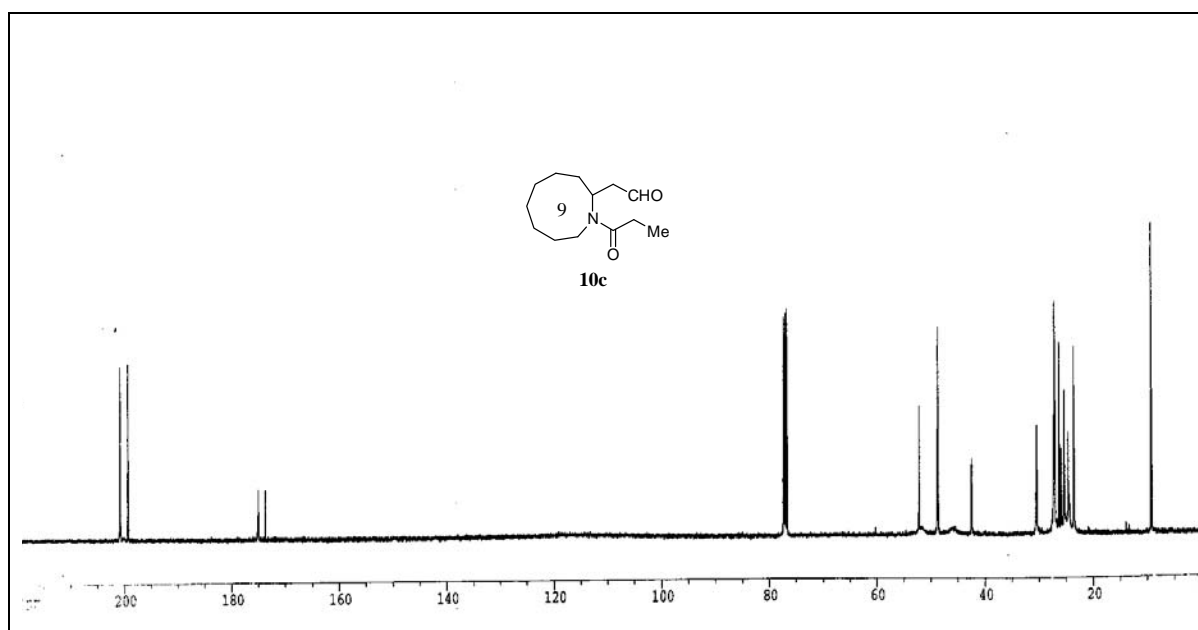


▲ $^{13}\text{C-NMR}$ (100 MHz, CDCl_3)

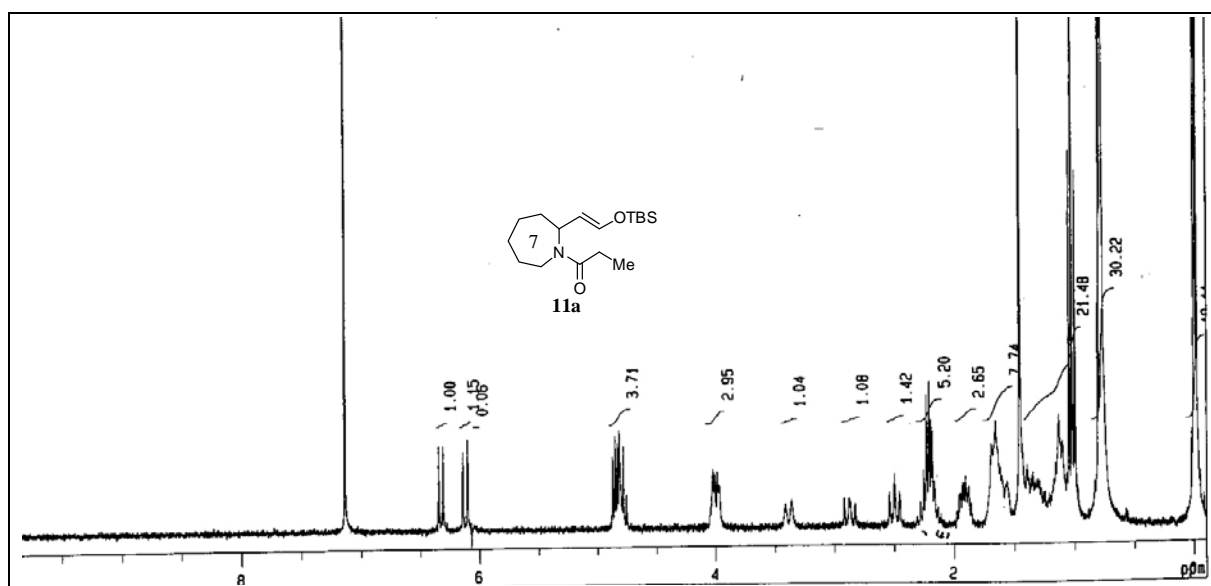




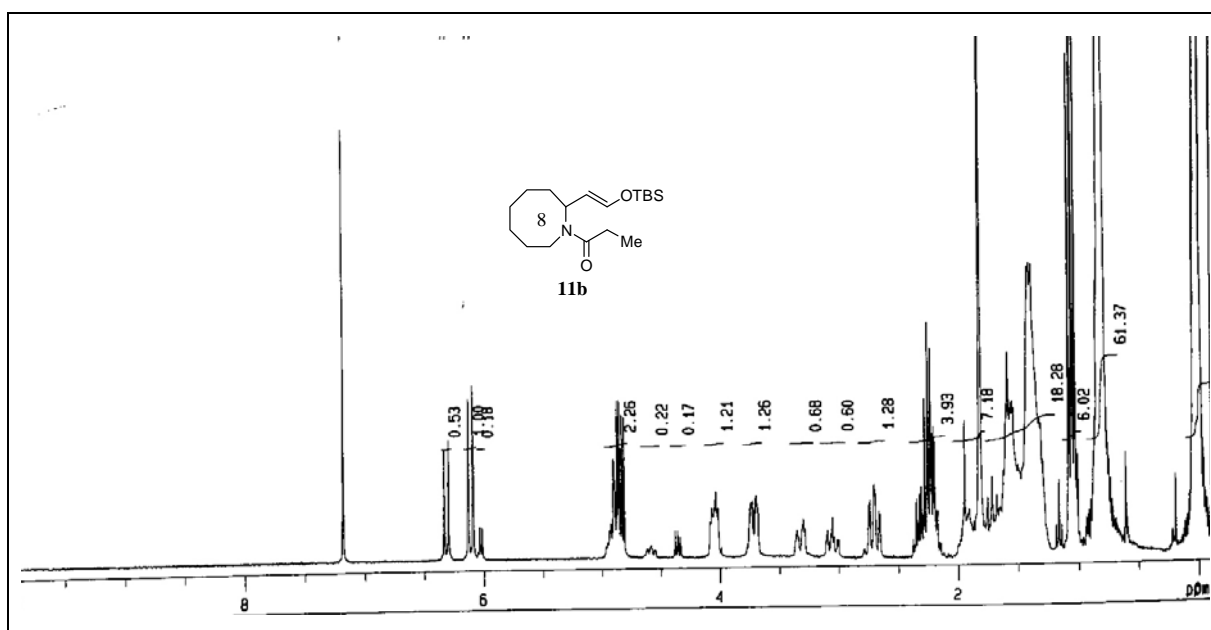
▲ $^1\text{H-NMR}$ (300 MHz, CDCl_3)



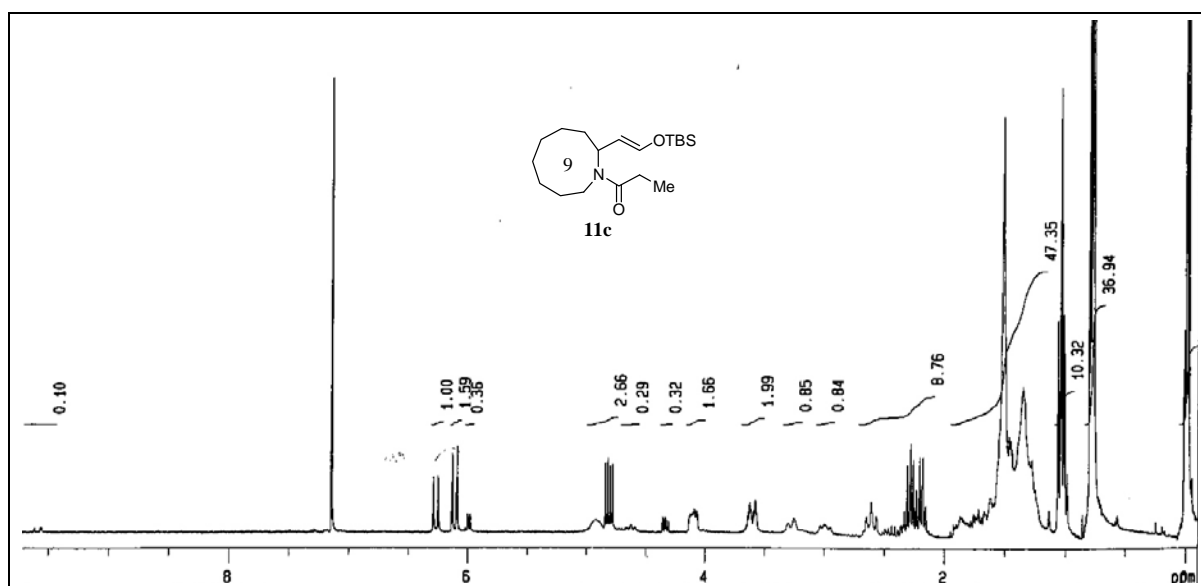
▲ $^{13}\text{C-NMR}$ (100 MHz, CDCl_3)



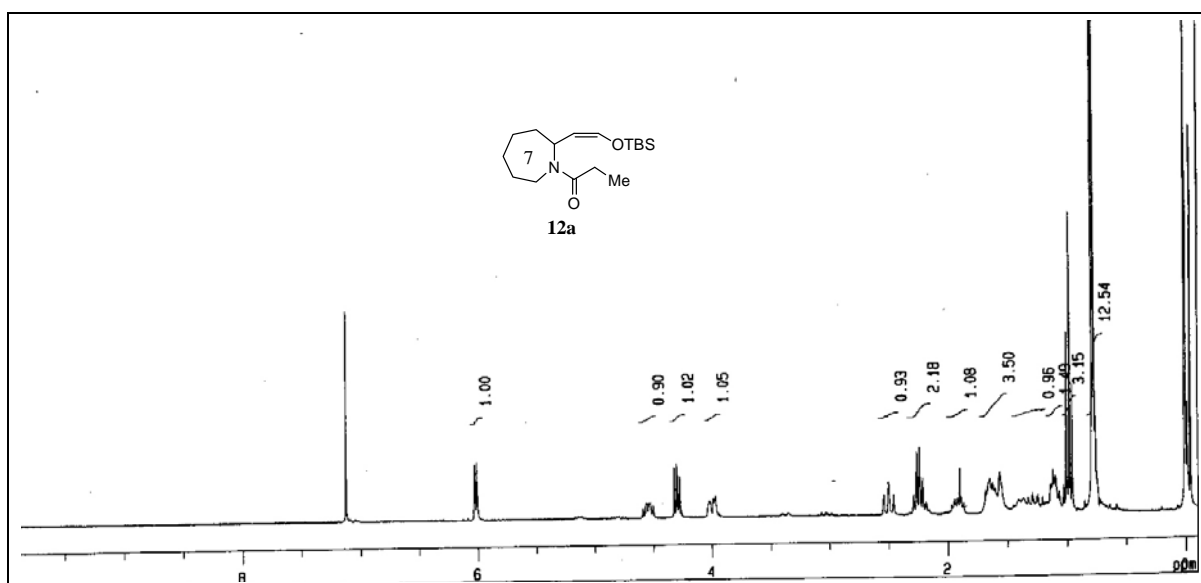
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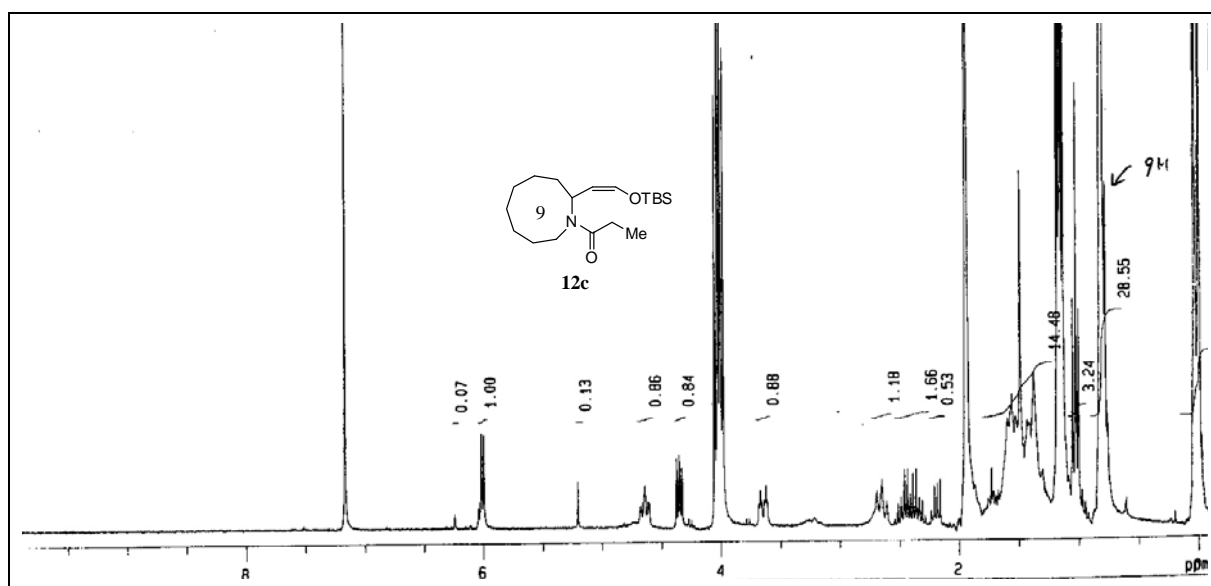
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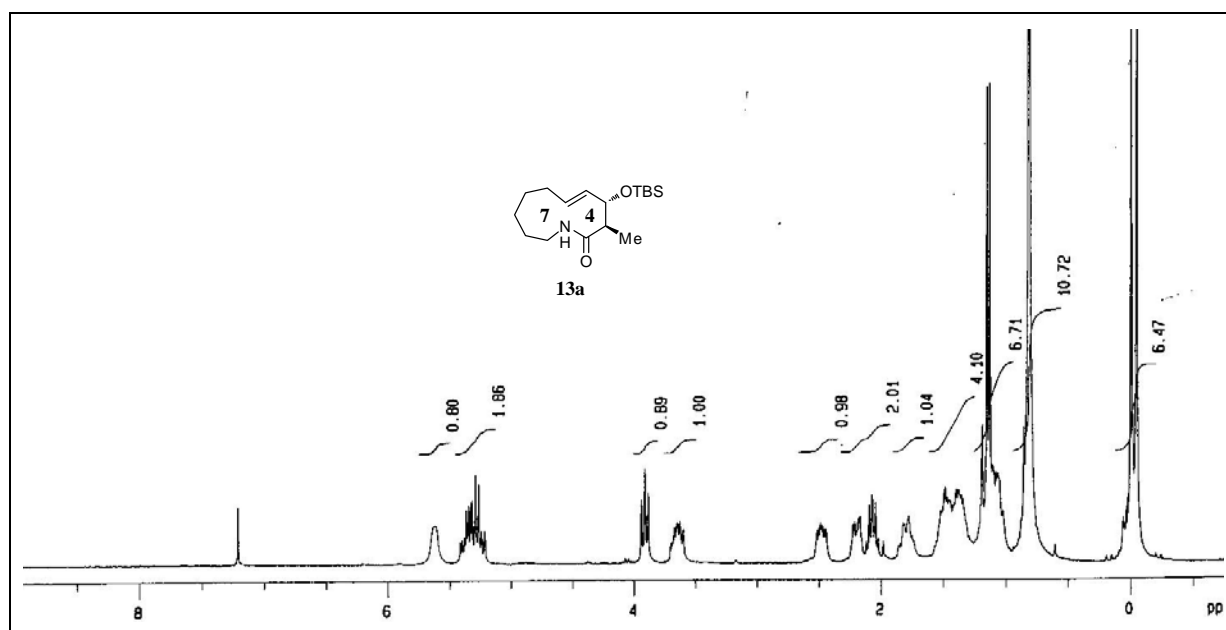
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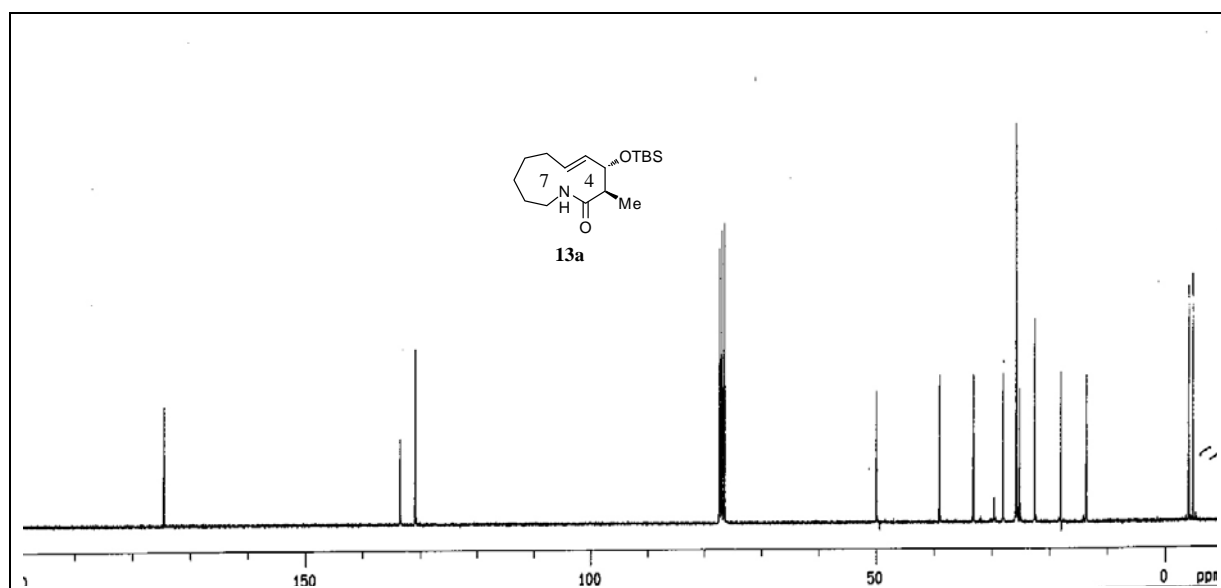
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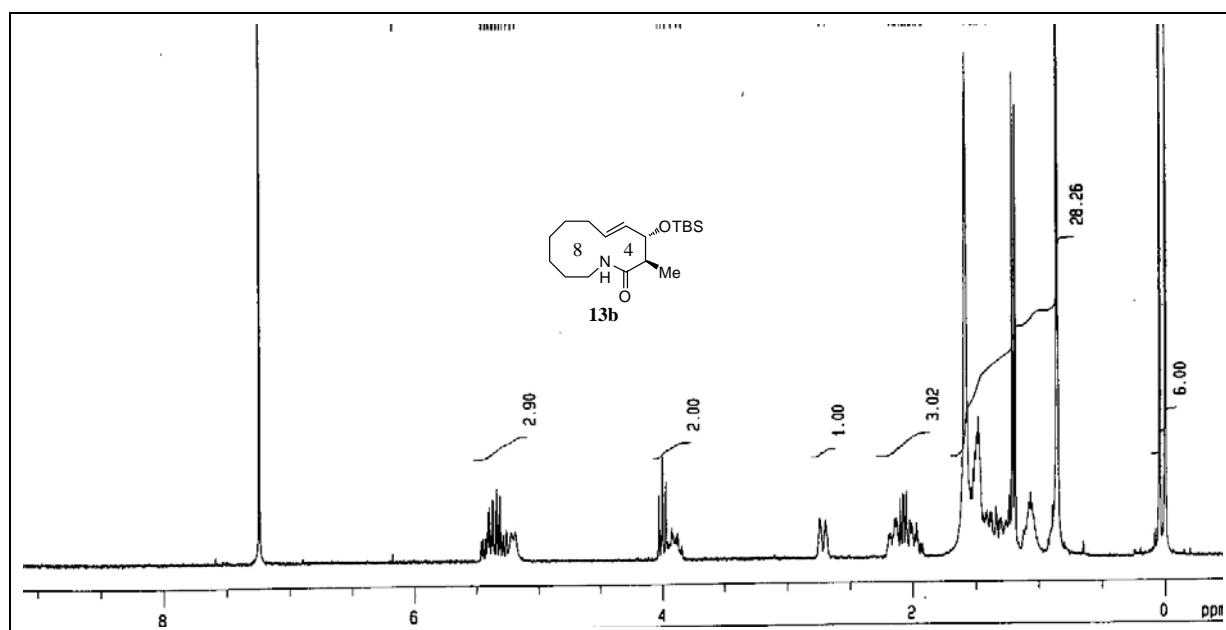
▲ $^1\text{H-NMR}$ (300 MHz, CDCl_3)



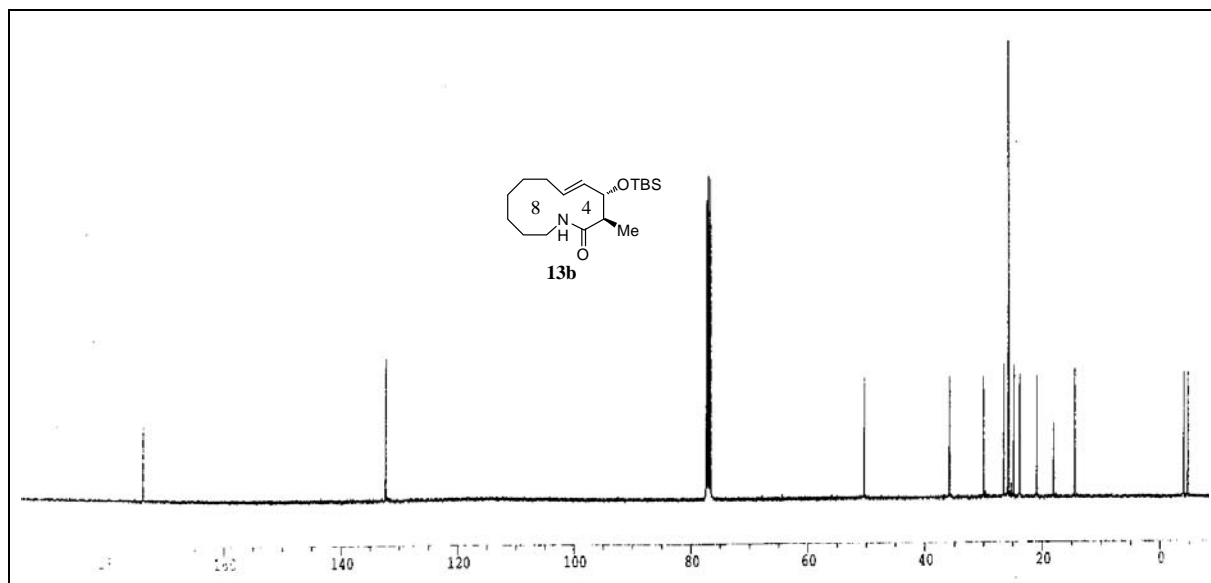
▲ $^1\text{H-NMR}$ (300 MHz, CDCl_3)



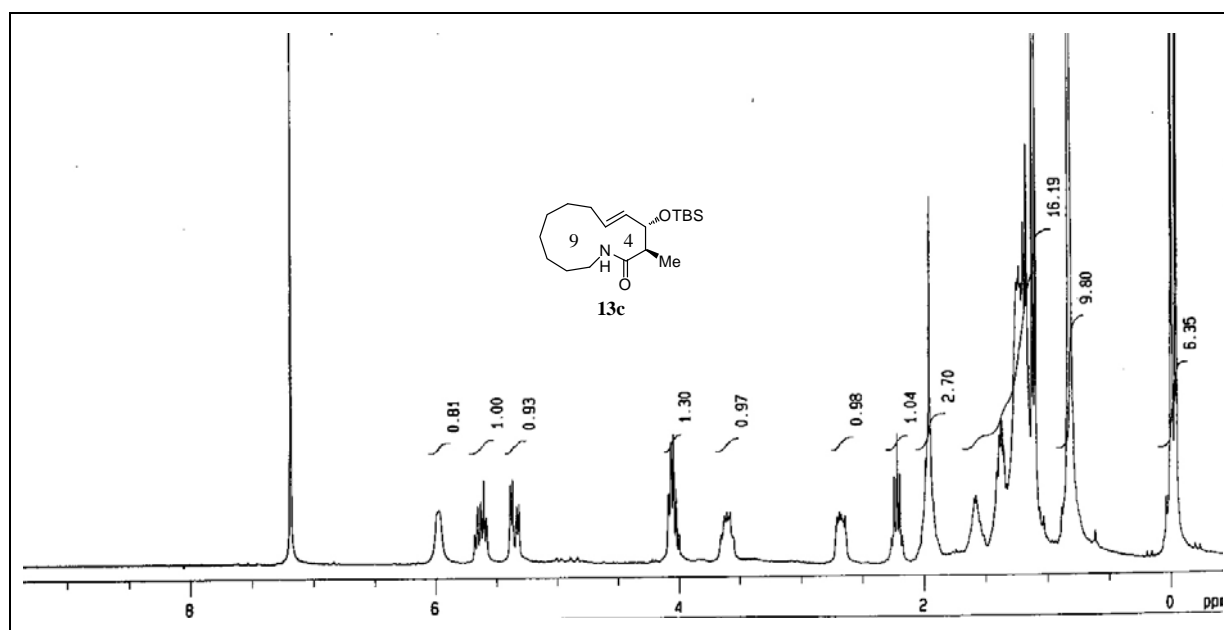
▲ ^{13}C -NMR (75 MHz, CDCl₃)



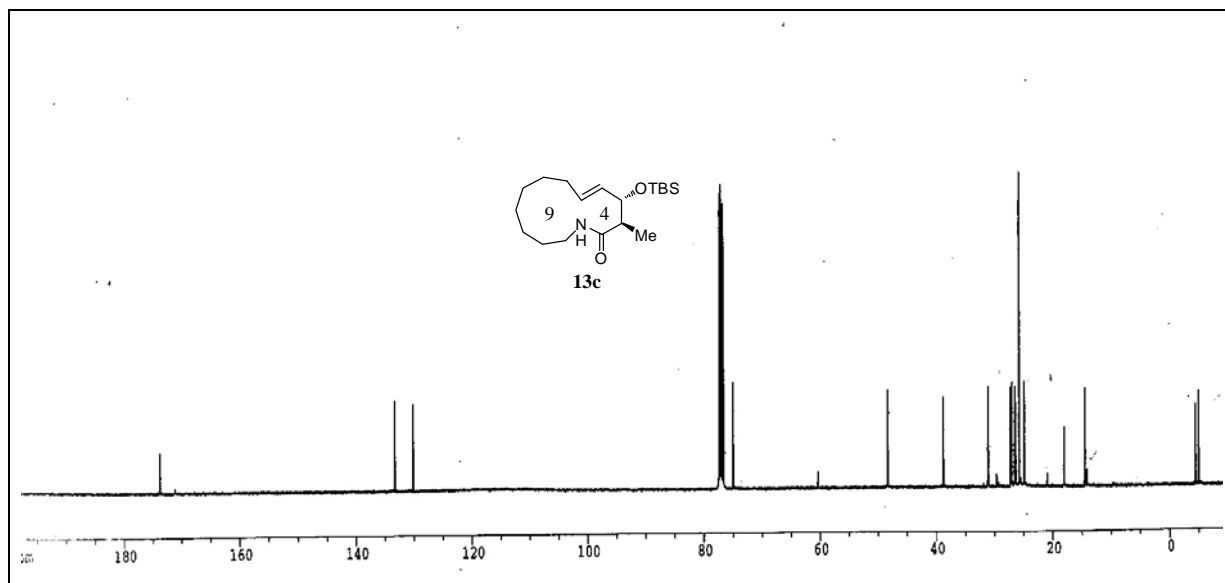
▲ ^1H -NMR (300 MHz, CDCl₃)



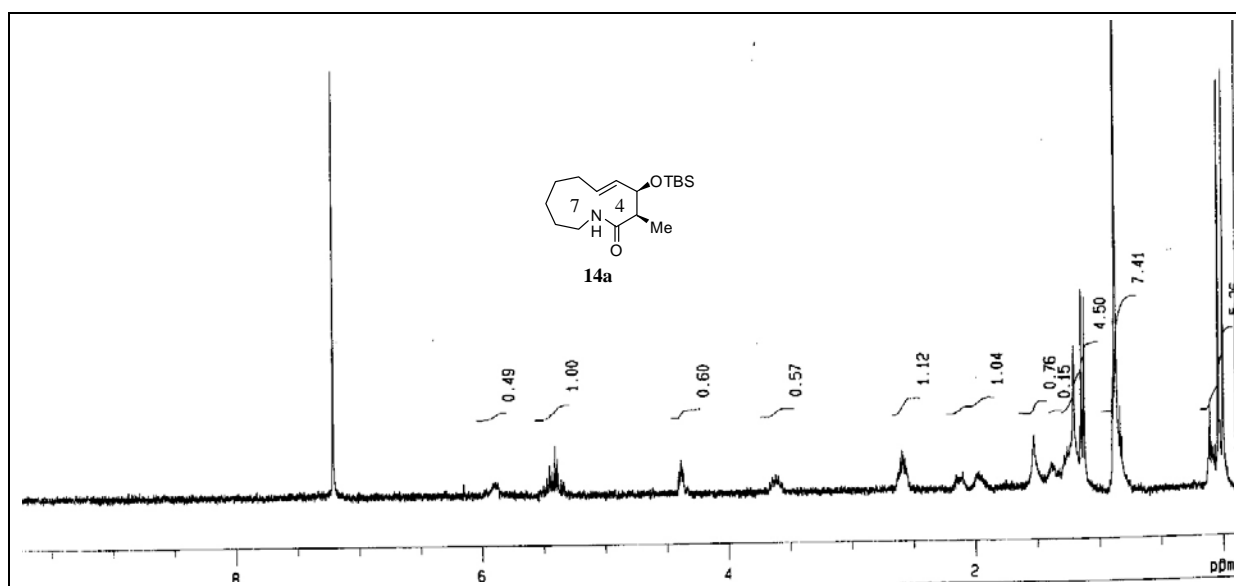
▲ ^{13}C -NMR (100 MHz, CDCl_3)



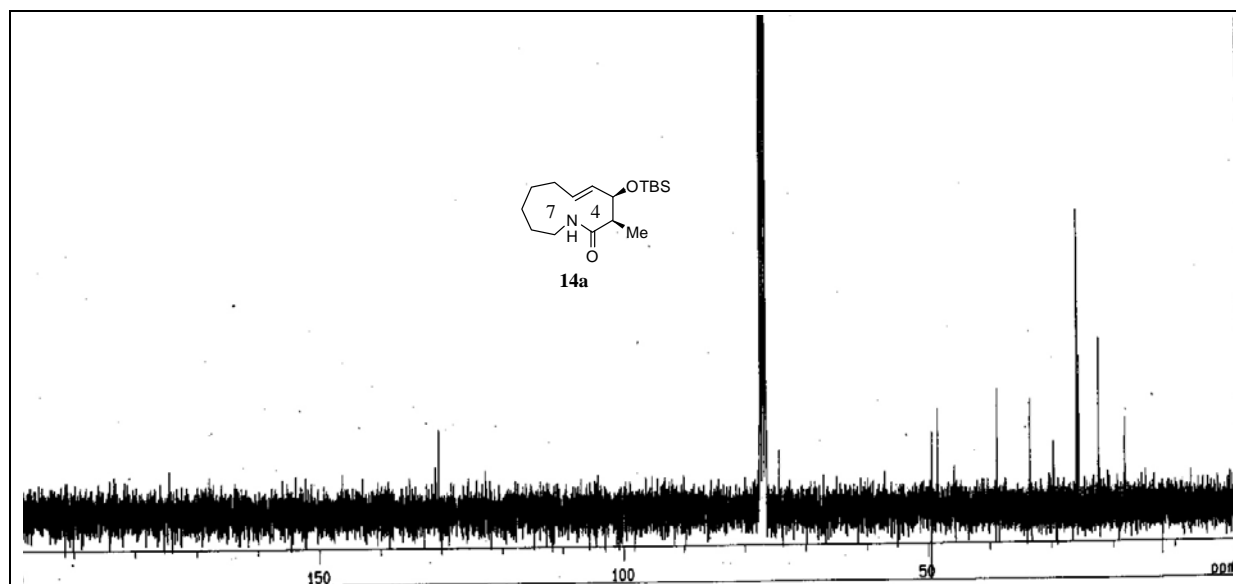
▲ ^1H -NMR (300 MHz, CDCl_3)



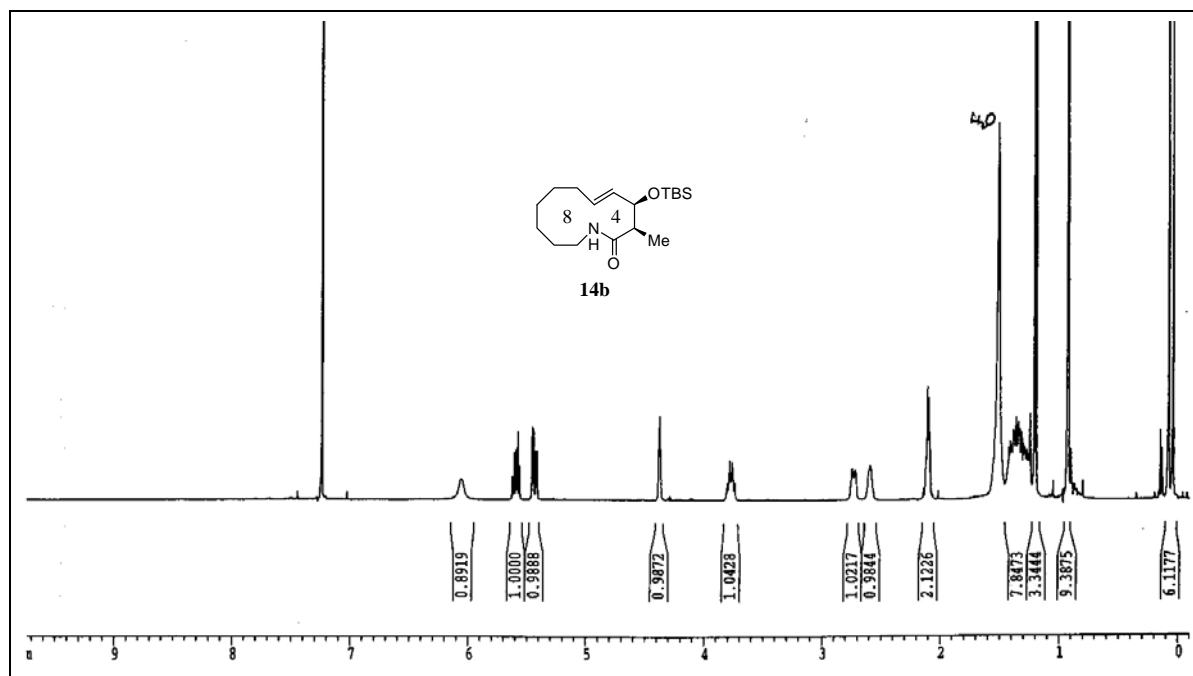
▲ ^{13}C -NMR (100MHz, CDCl₃)



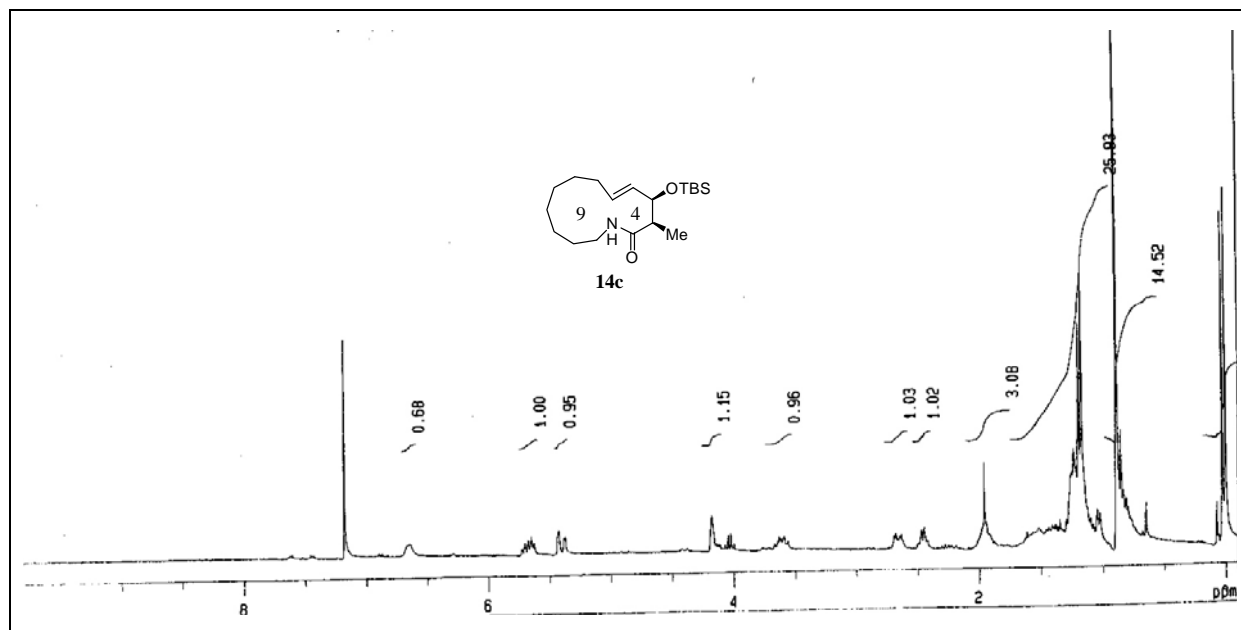
▲ ^1H -NMR (300MHz, CDCl₃)



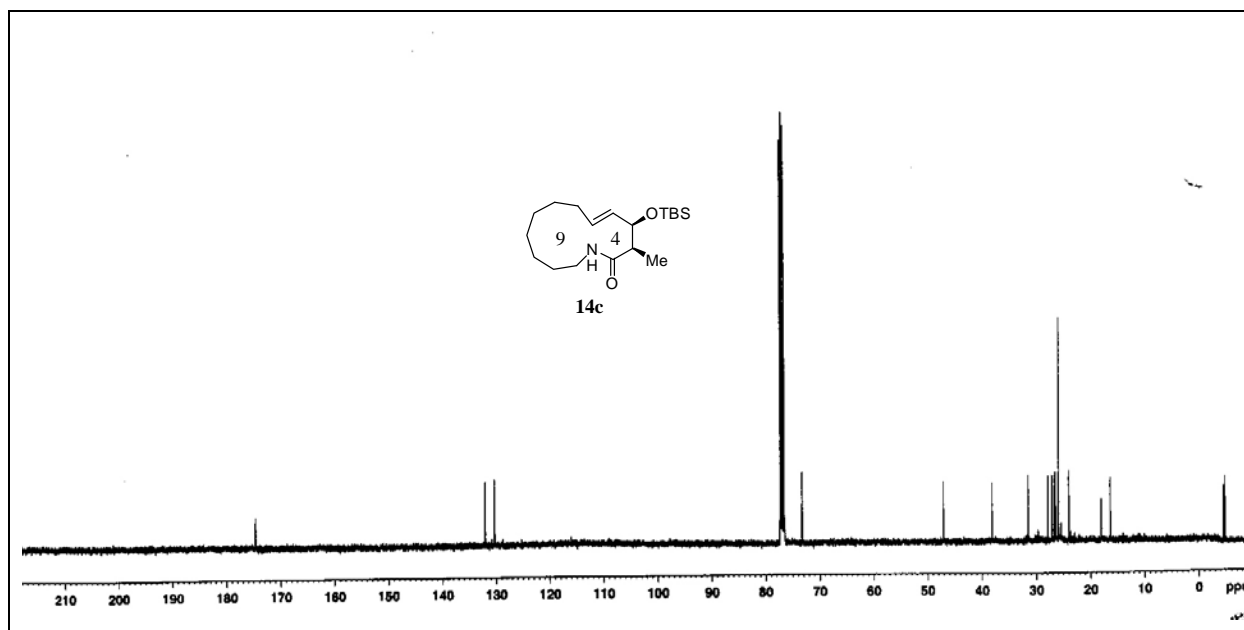
▲ ^{13}C -NMR (75 MHz, CDCl_3)



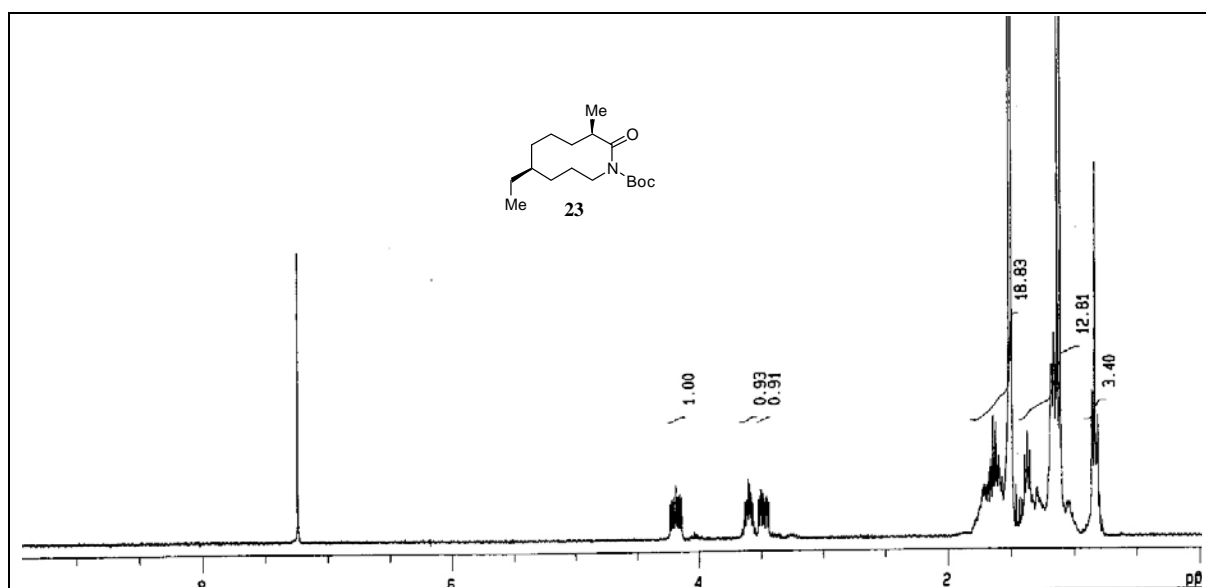
▲ ^1H -NMR (400 MHz, CDCl_3)



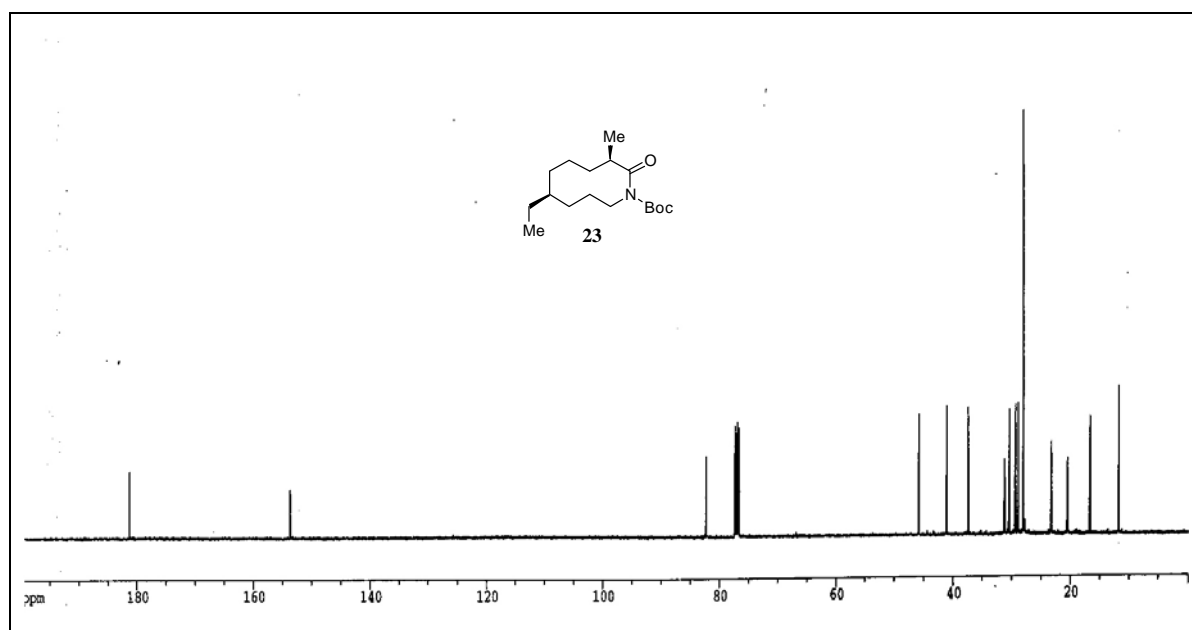
▲ ¹H-NMR (300 MHz, CDCl₃)



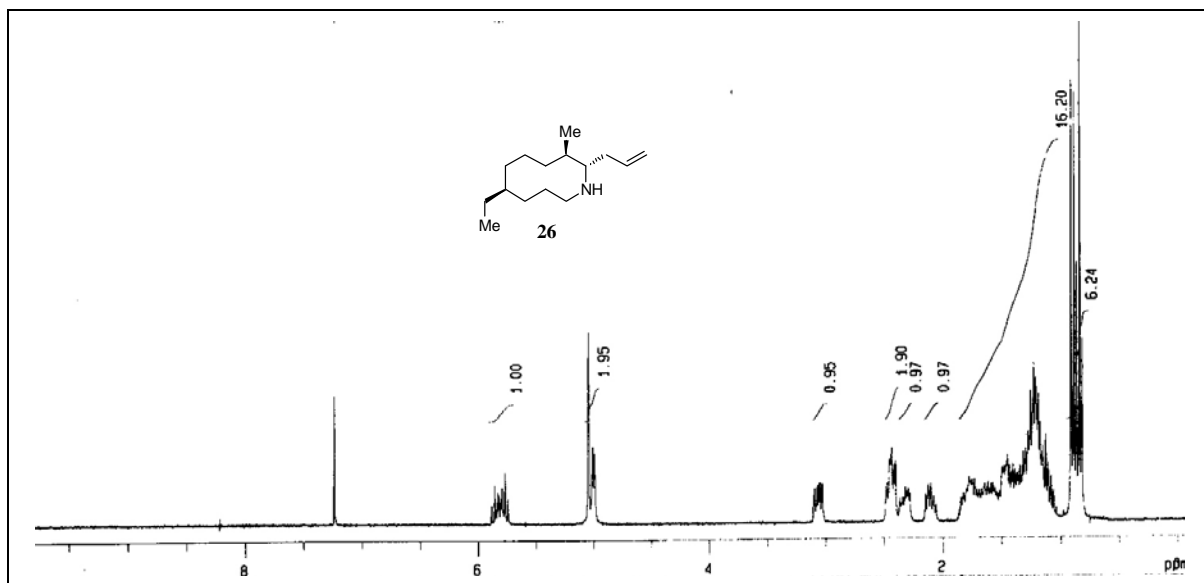
▲ ¹³C-NMR (100 MHz, CDCl₃)



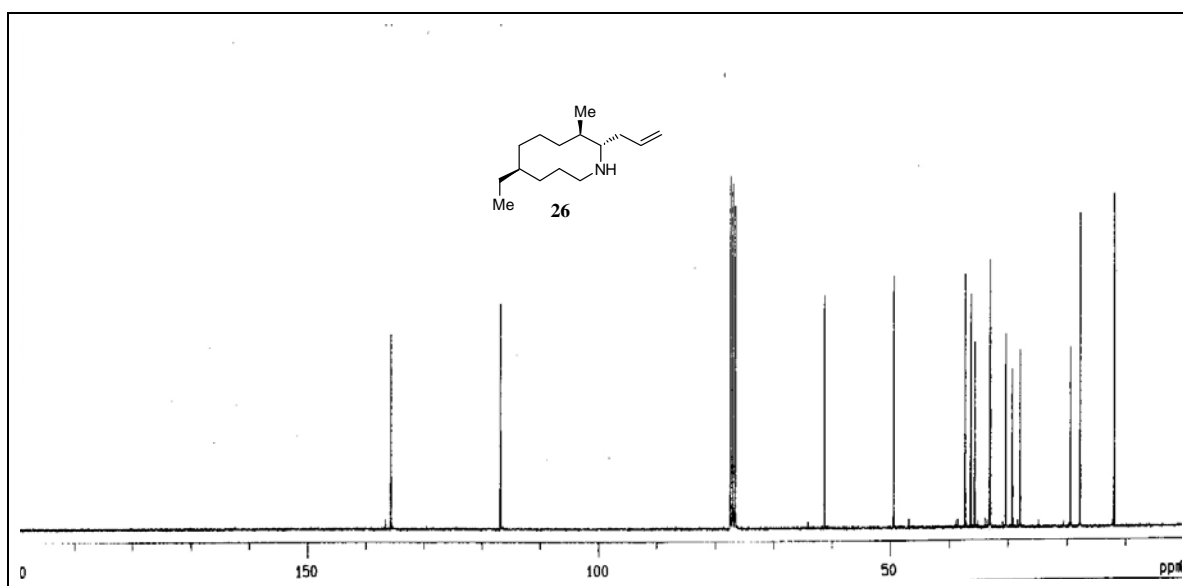
▲ ¹H-NMR (300 MHz, CDCl₃)



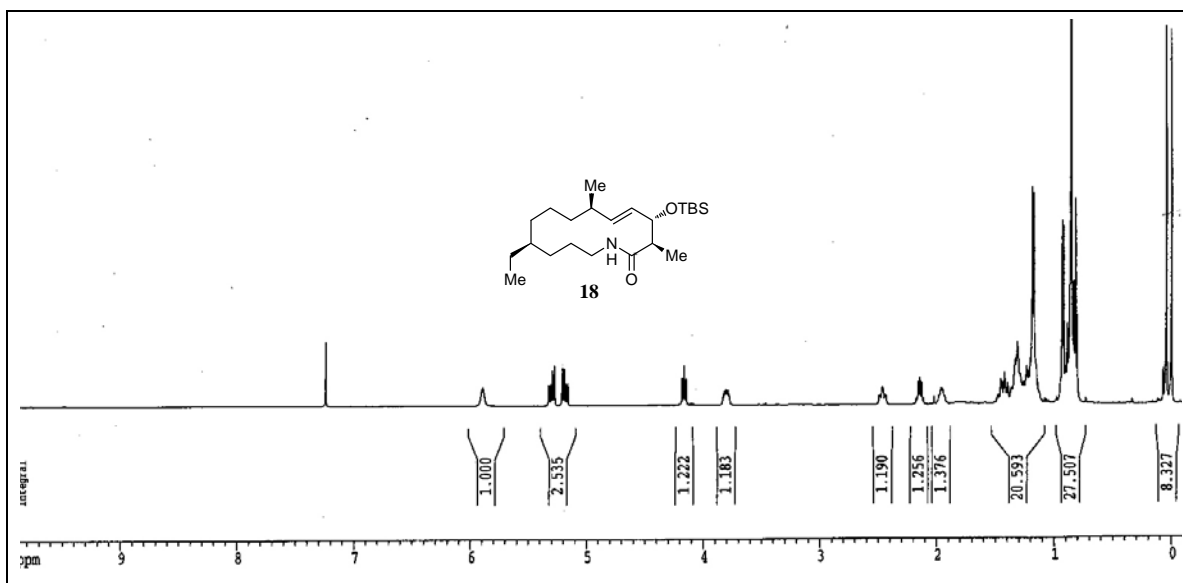
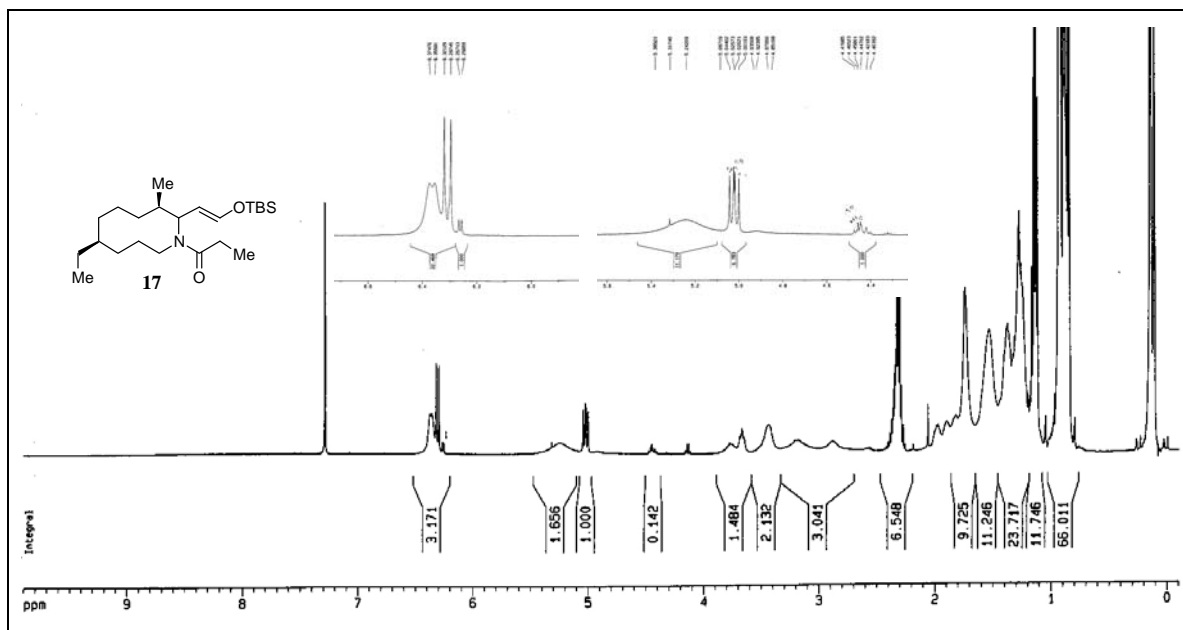
▲ ¹³C-NMR (100 MHz, CDCl₃)

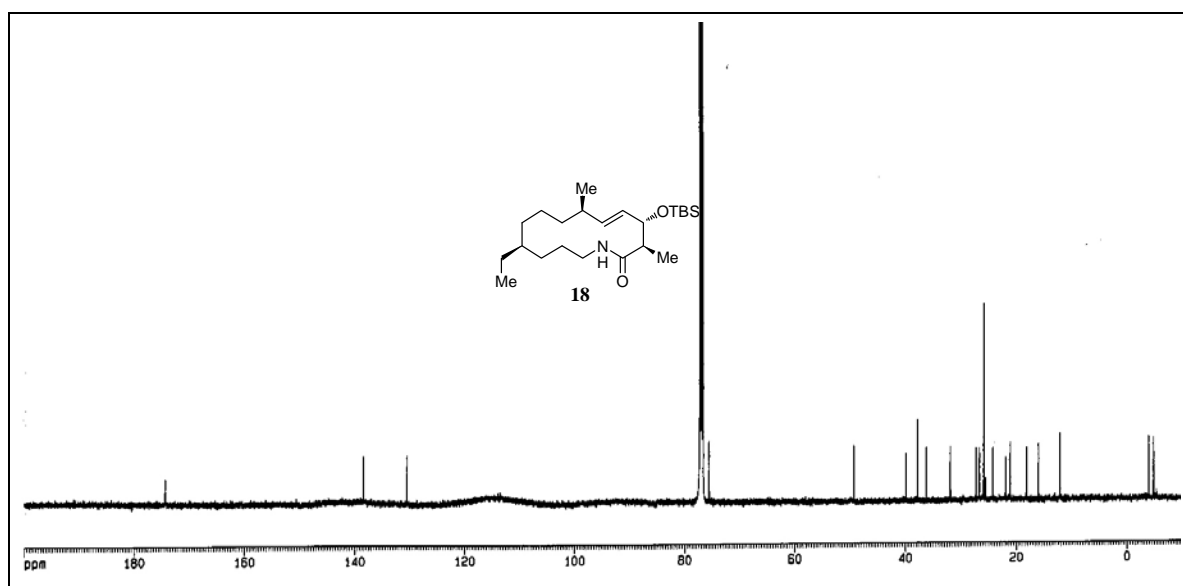


▲ ¹H-NMR (300 MHz, CDCl₃)

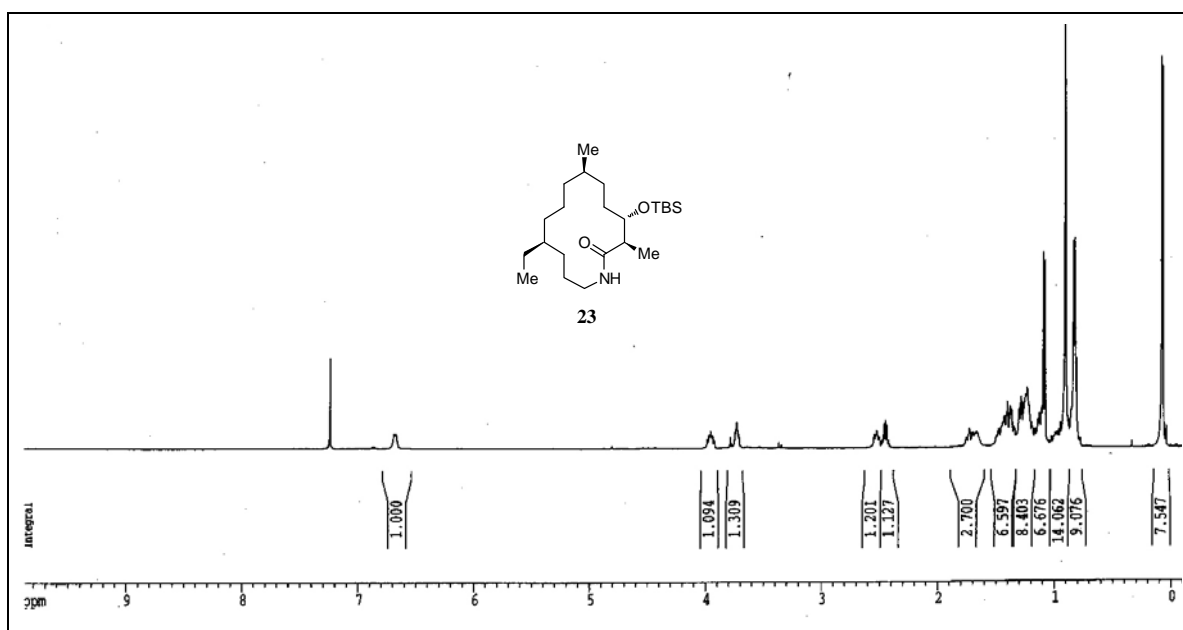


▲ ¹³C-NMR (75 MHz, CDCl₃)

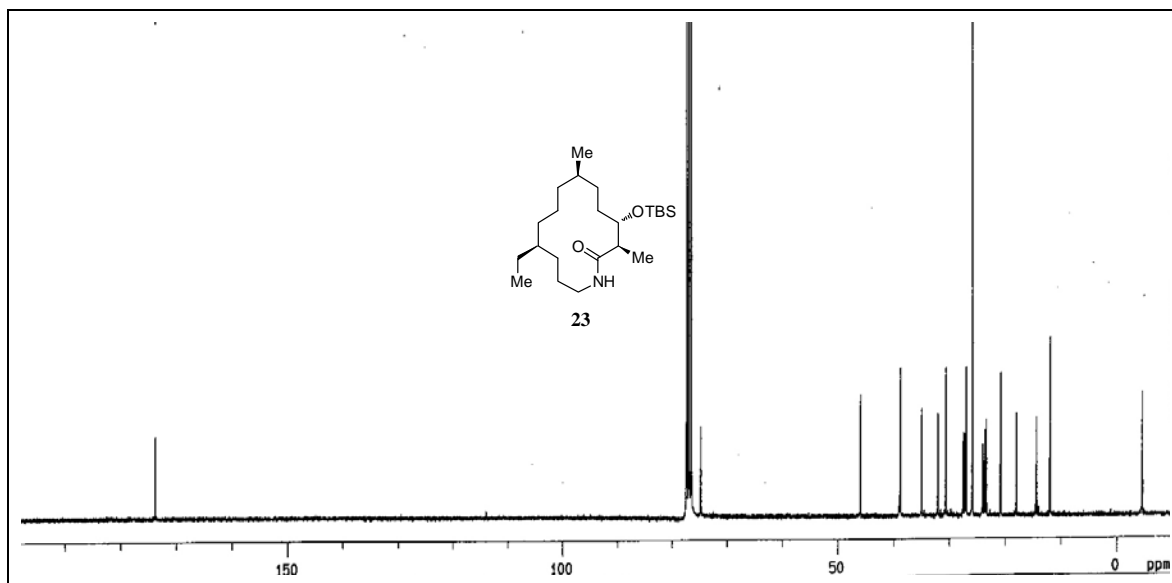




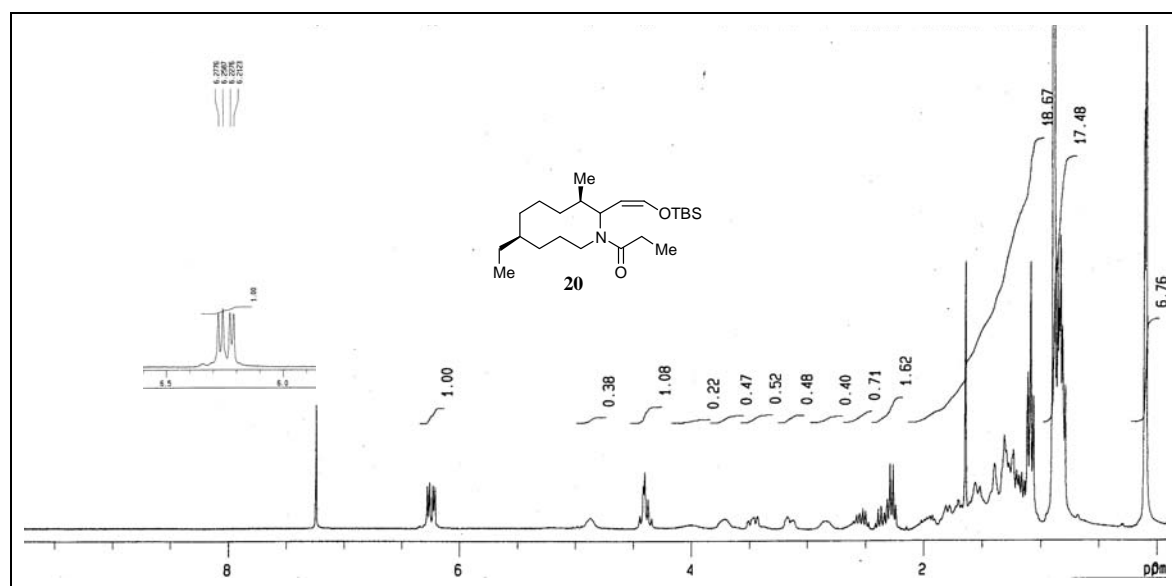
▲ ¹³C-NMR (125 MHz, CDCl₃)



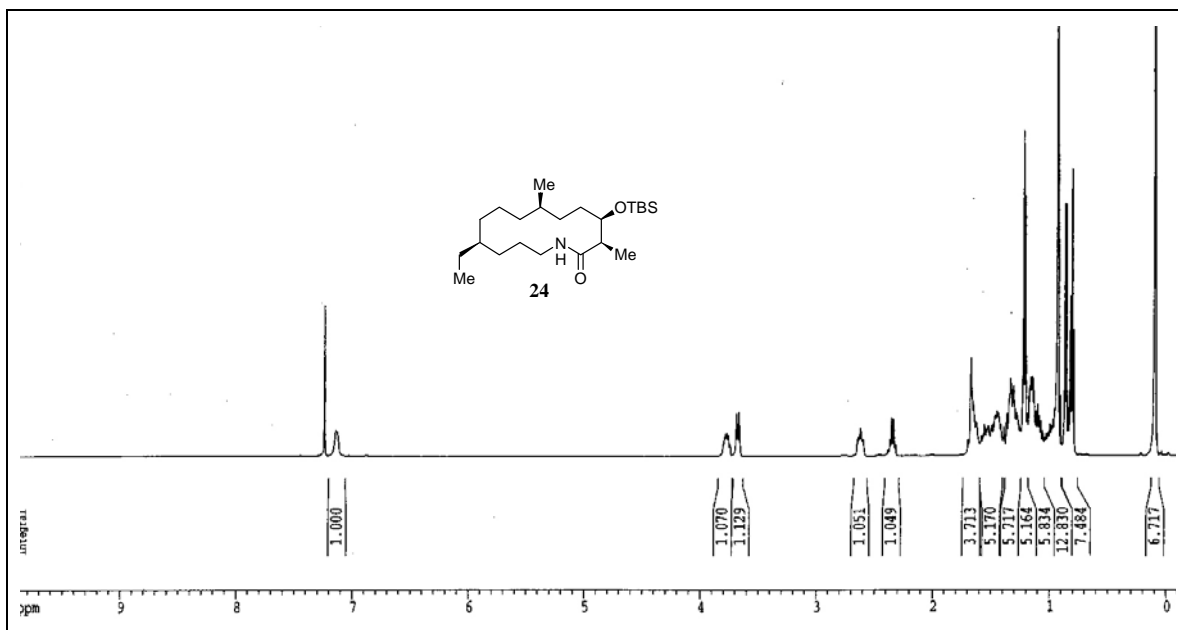
▲ ¹H-NMR (400 MHz, CDCl₃)



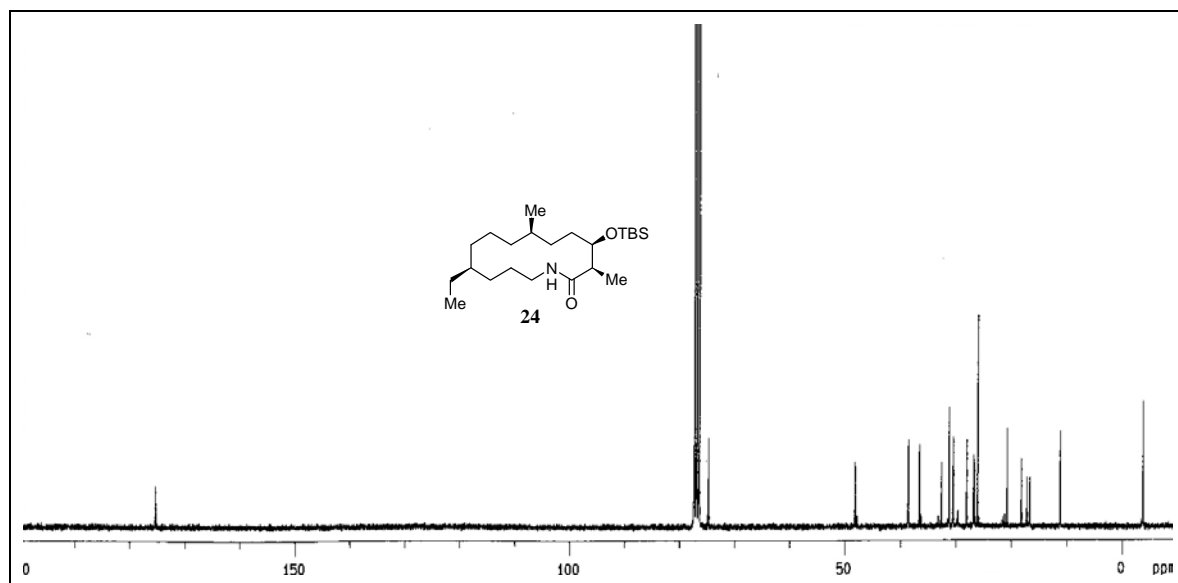
▲ ^{13}C -NMR (100 MHz, CDCl_3)



▲ ^1H -NMR (300 MHz, CDCl_3)

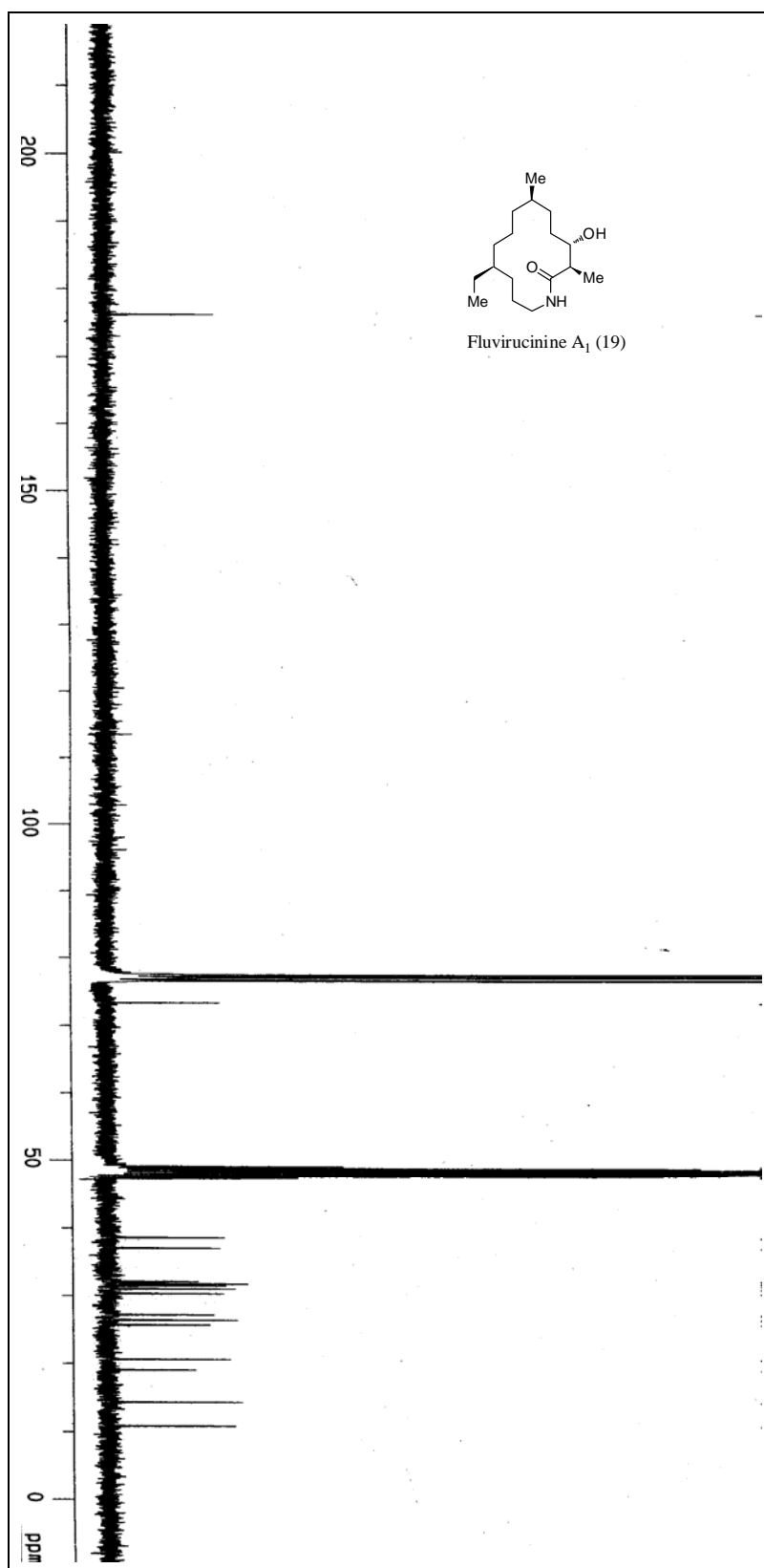


▲ $^1\text{H-NMR}$ (500 MHz, CDCl_3)

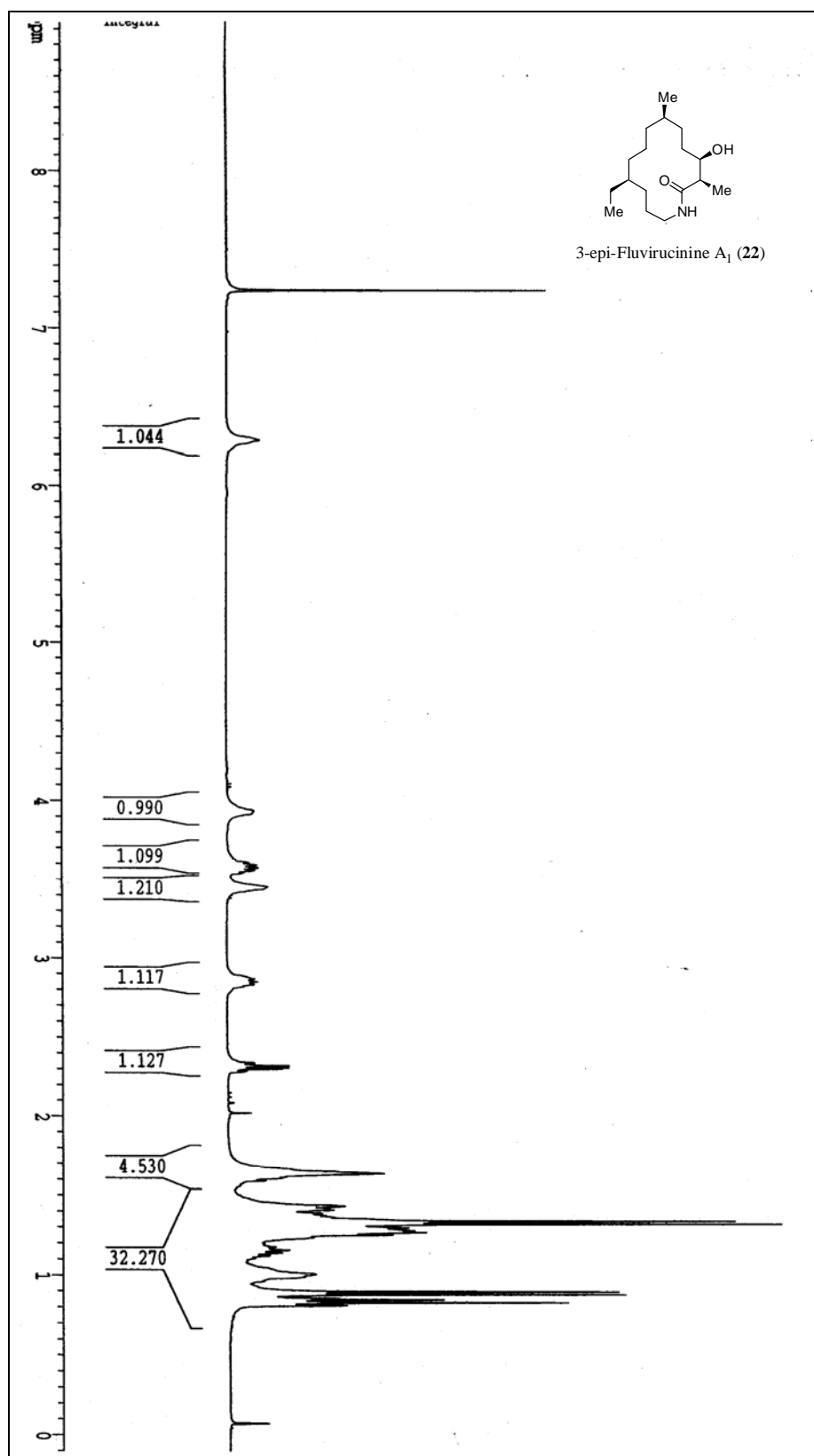


▲ $^{13}\text{C-NMR}$ (75 MHz, CDCl_3)

▲ ^{13}C -NMR (75 MHz, $\text{CDCl}_3 + \text{CD}_3\text{OD}$)



▲ $^1\text{H-NMR}$ (400 MHz, CDCl_3)



▲ ^{13}C -NMR (75 MHz, CDCl_3)

