

Supporting Information

PALLADIUM-CATALYZED MIZOROKI-HECK TYPE REACTION WITH ARYLIODINE DIACETATES USING HYDRAZONE LIGANDS

Takashi Mino,* Kohei Watanabe, Taichi Abe, Taketo Kogure, Masami Sakamoto

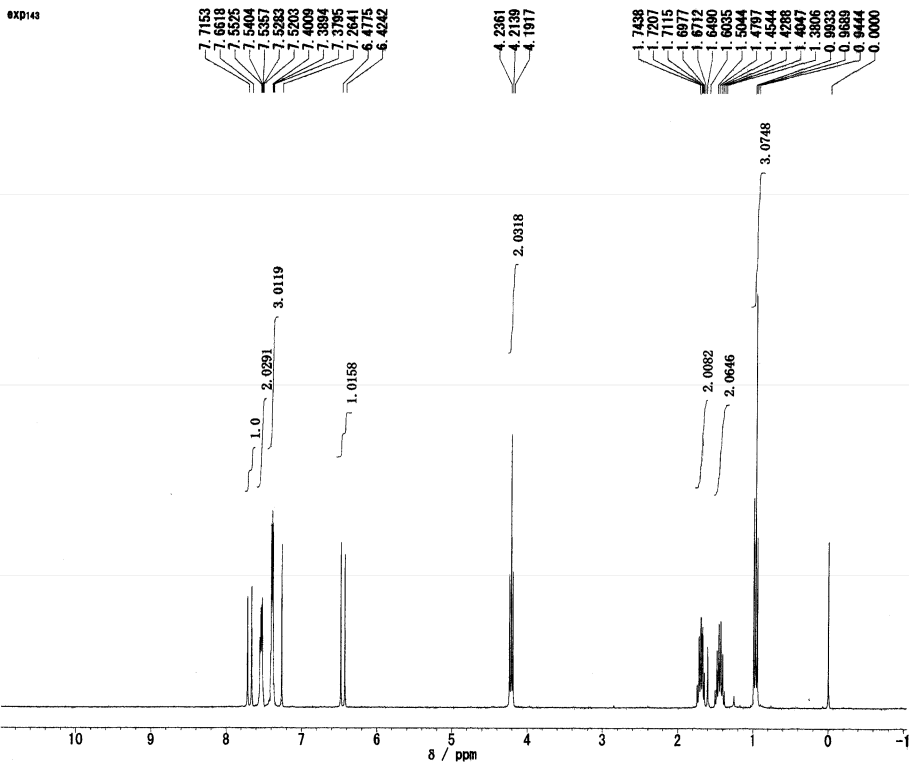
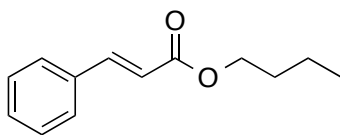
*Department of Applied Chemistry and Biotechnology, Graduate School of Engineering,
Chiba University, 1-33, Yayoi-cho, Inage-ku, Chiba 263-8522, Japan*

tmino@faculty.chiba-u.jp

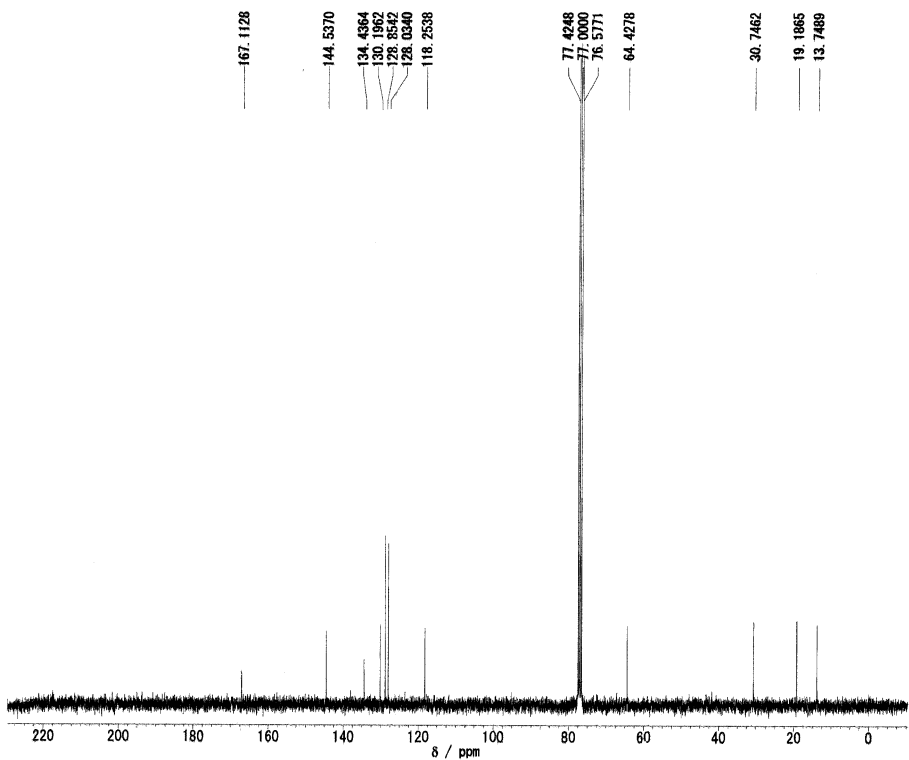
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^1H and ^{13}C NMR of 3	S3-14
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¹H and ¹³C NMR of 3a

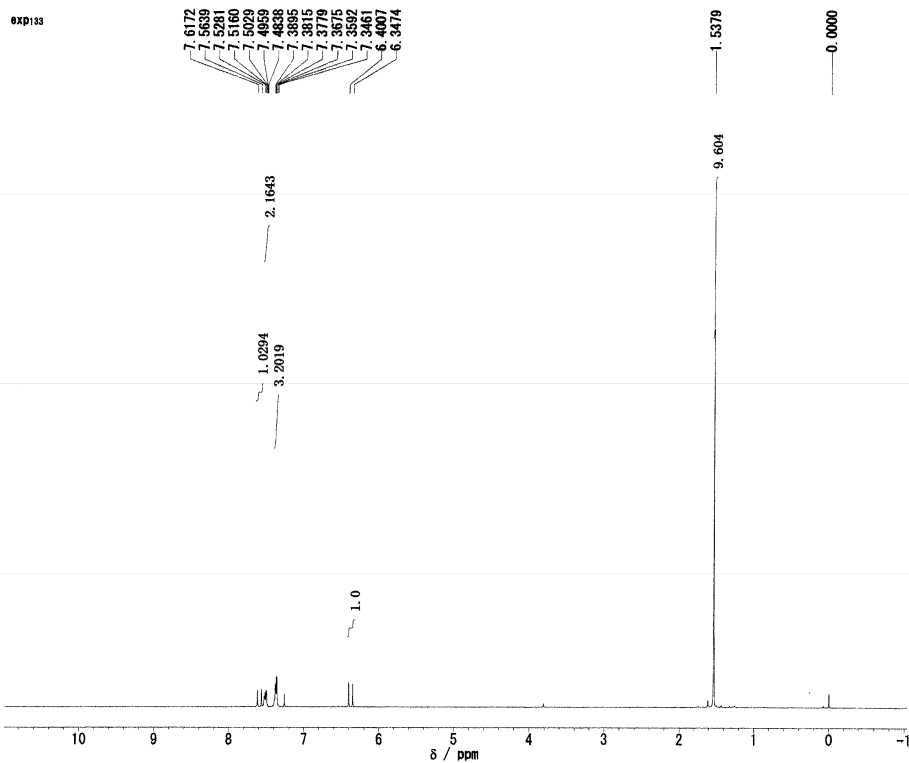
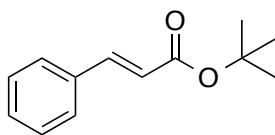


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Operator

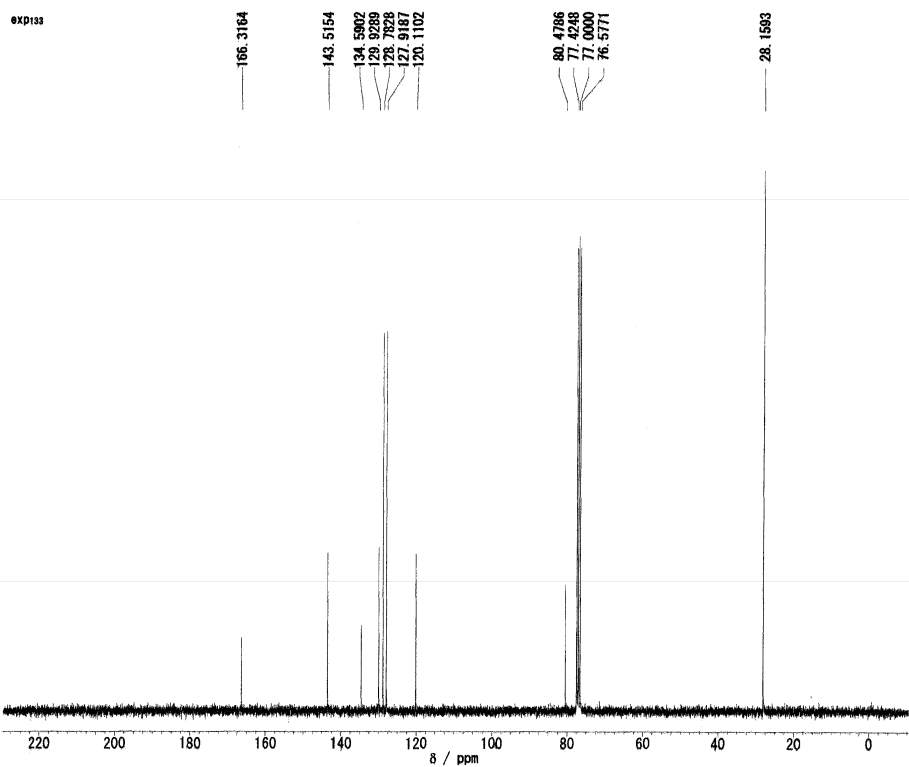


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¹H and ¹³C NMR of **3b**

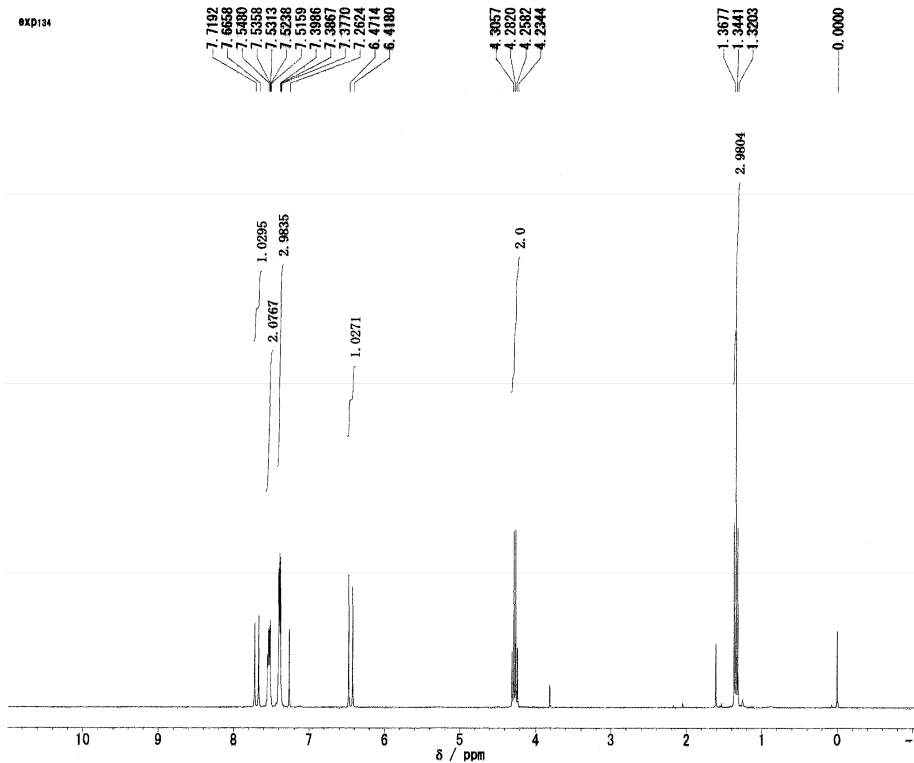
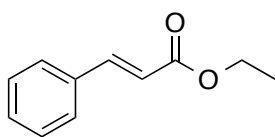


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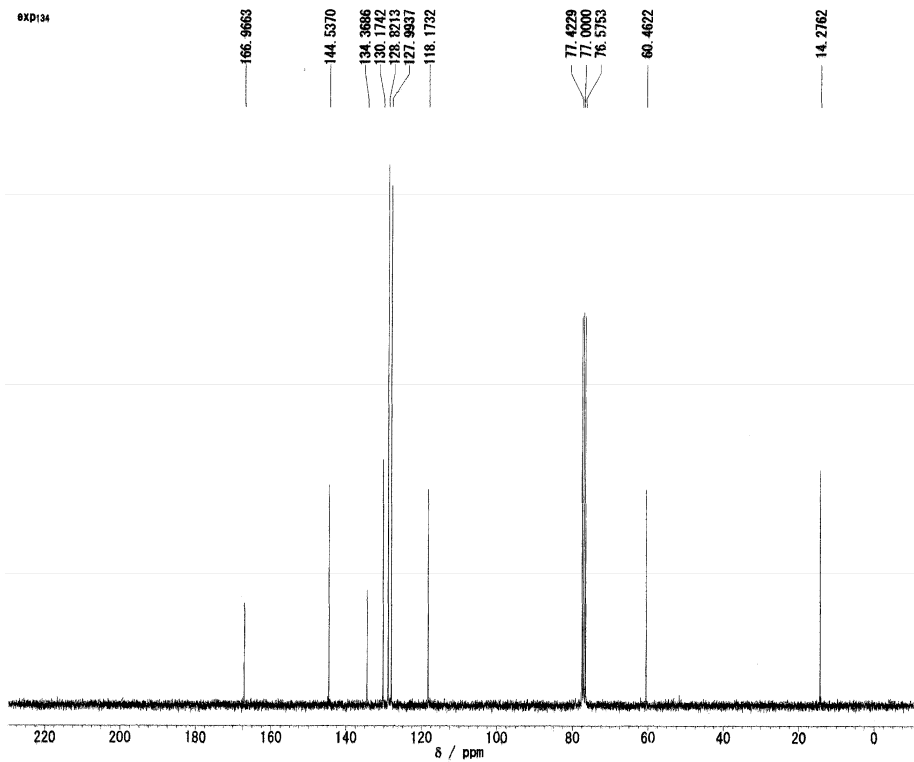


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¹H and ¹³C NMR of 3c

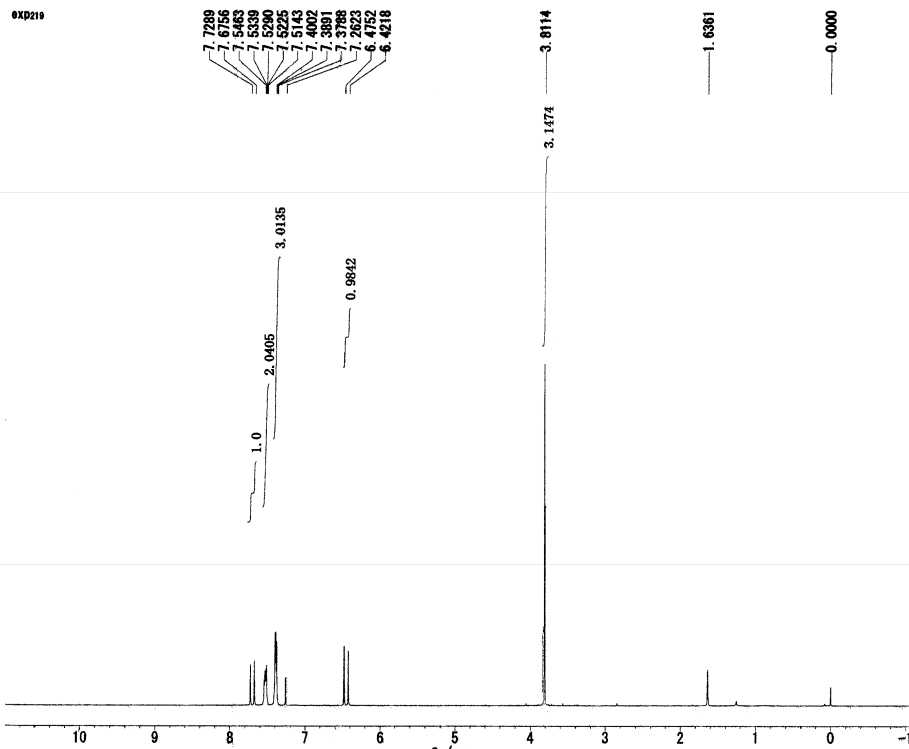
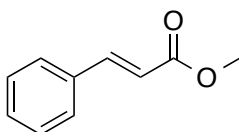


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Gradient Program
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Operator

¹H and ¹³C NMR of 3d



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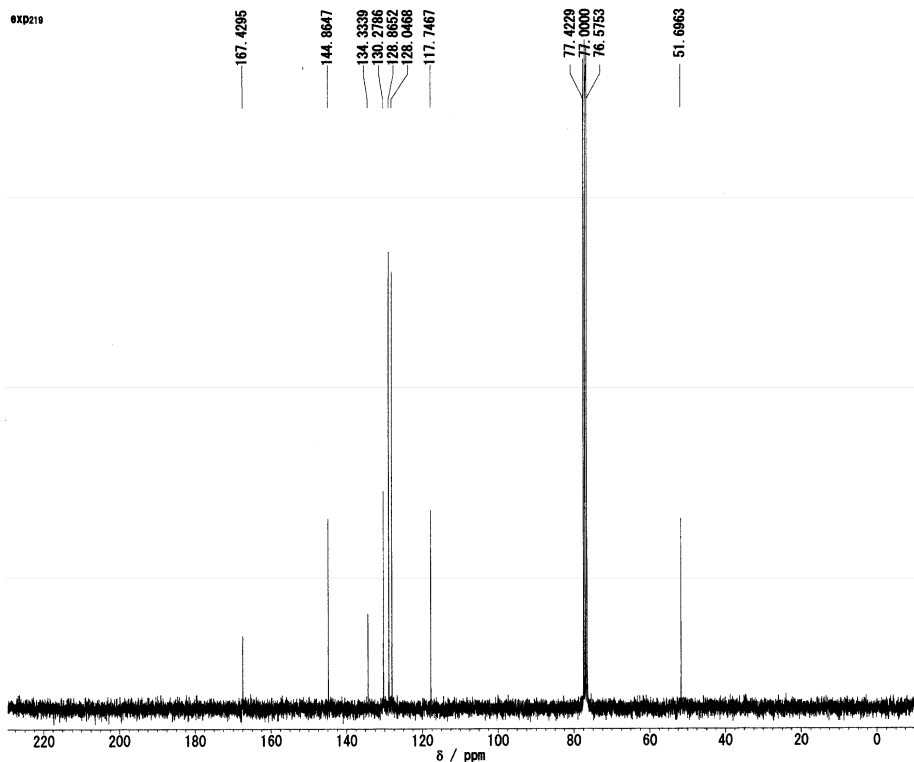
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Instrument SPECT
Pulse Program ZG30
Gradient Program

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Window Exponential
RGain 496

Operator



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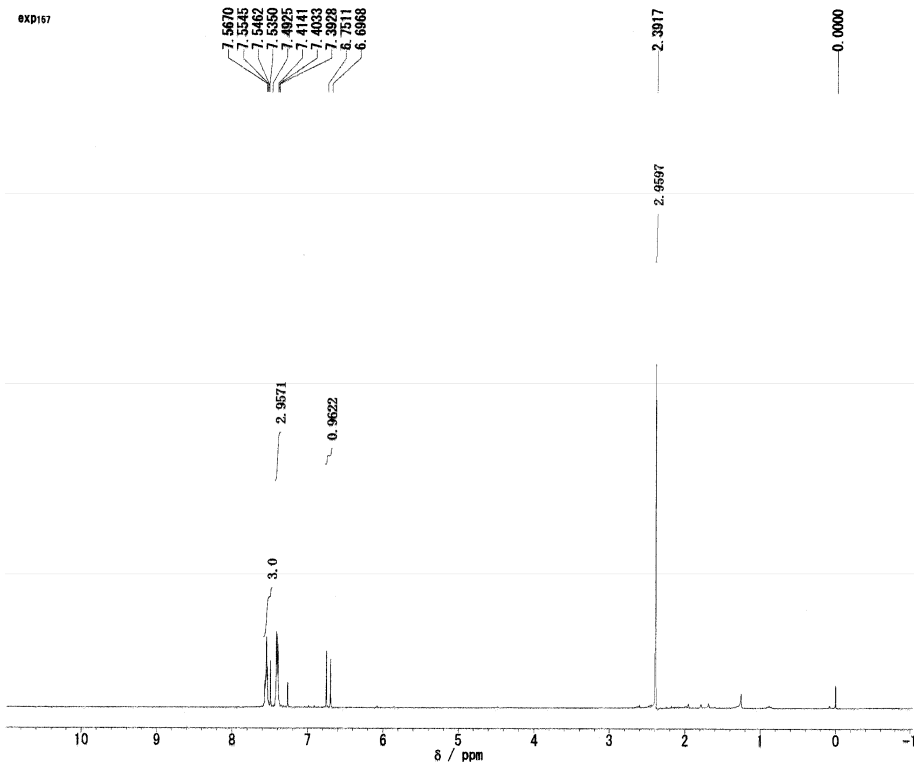
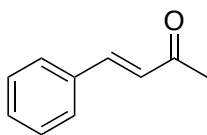
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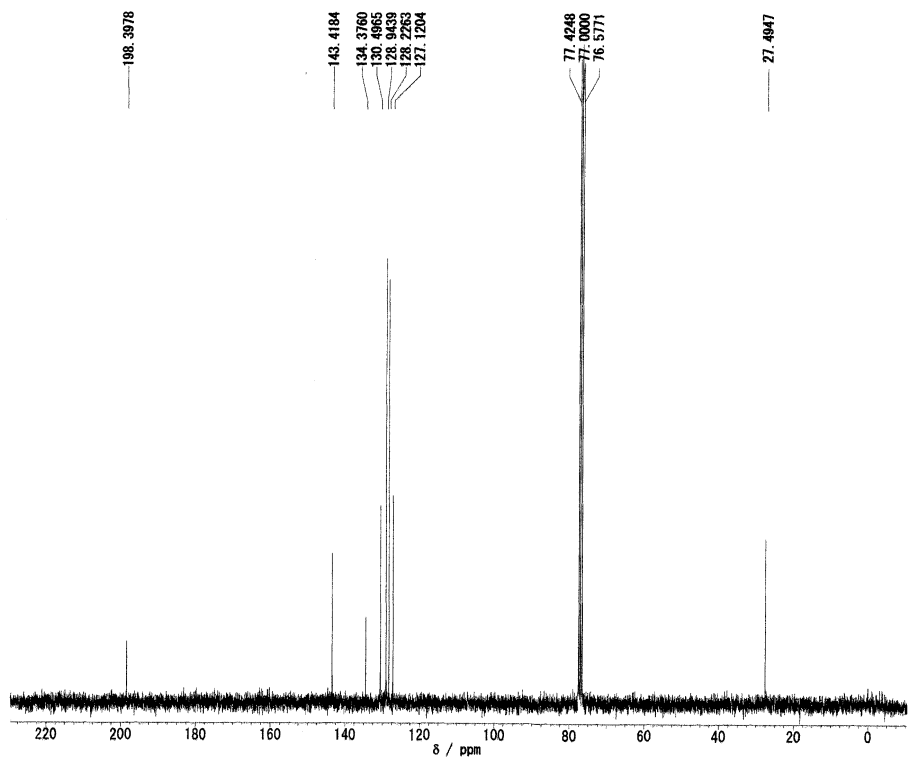
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Operator

¹H and ¹³C NMR of 3e

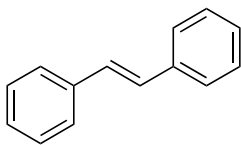


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Operator



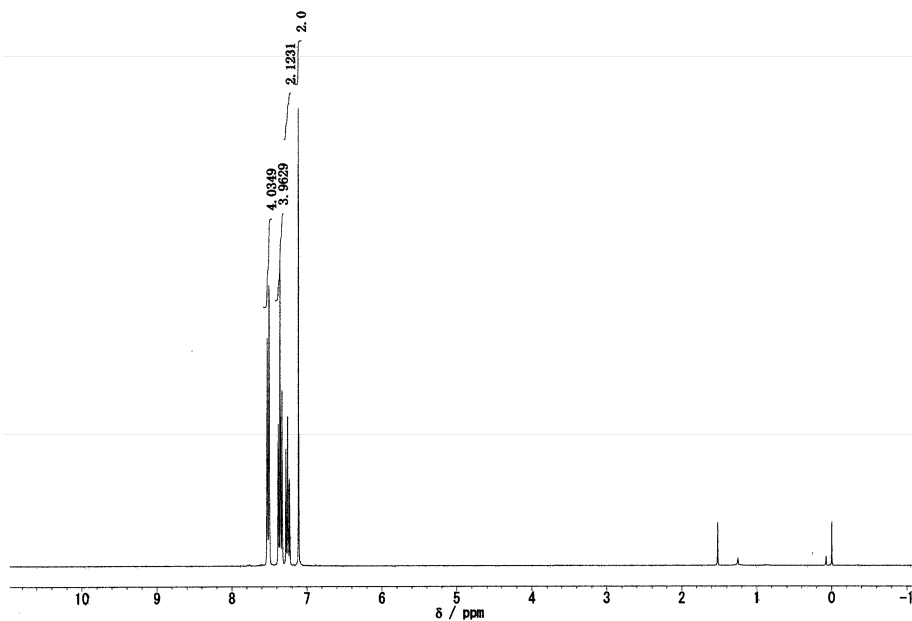
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^1H and ^{13}C NMR of **3f**



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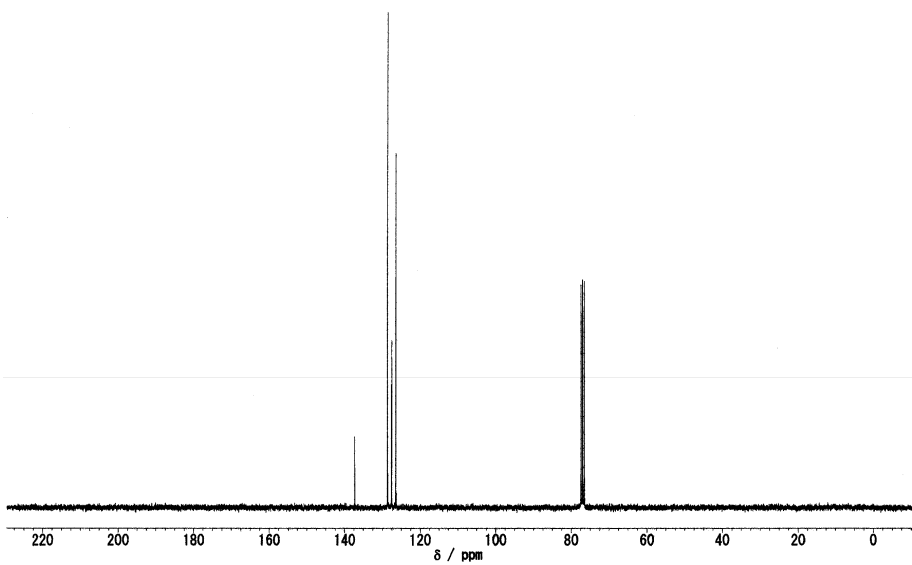
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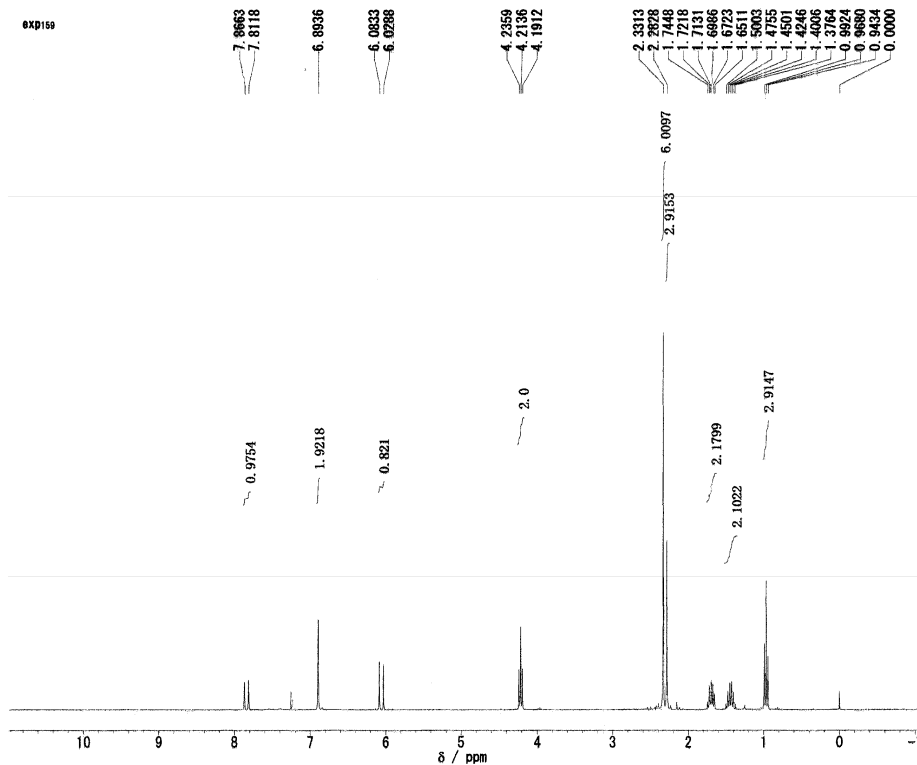
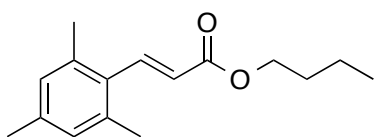
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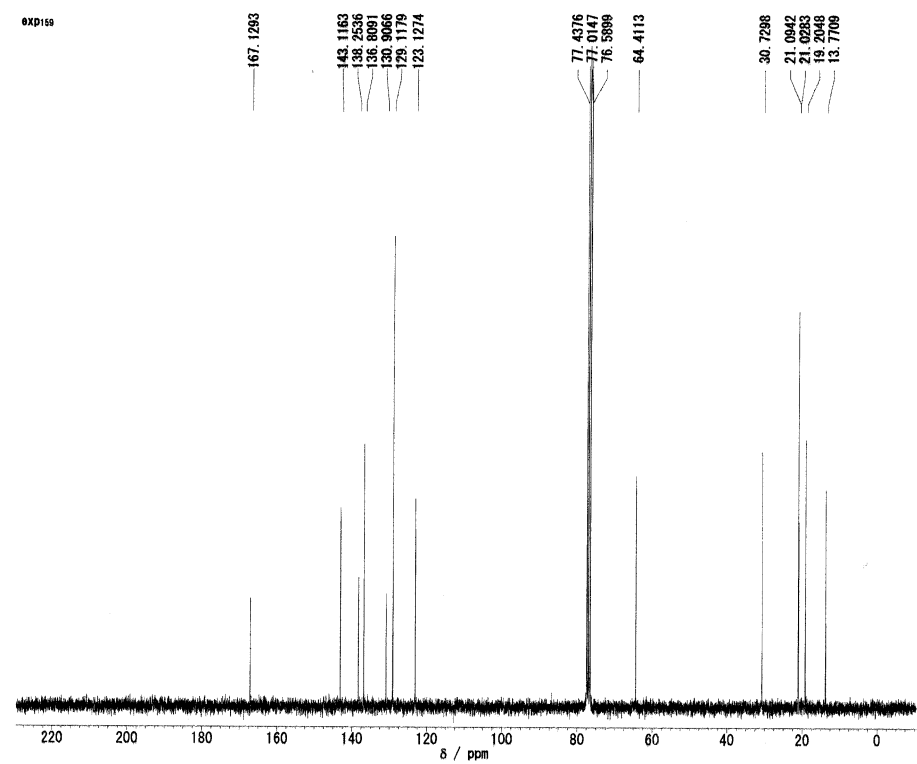


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¹H and ¹³C NMR of **3g**

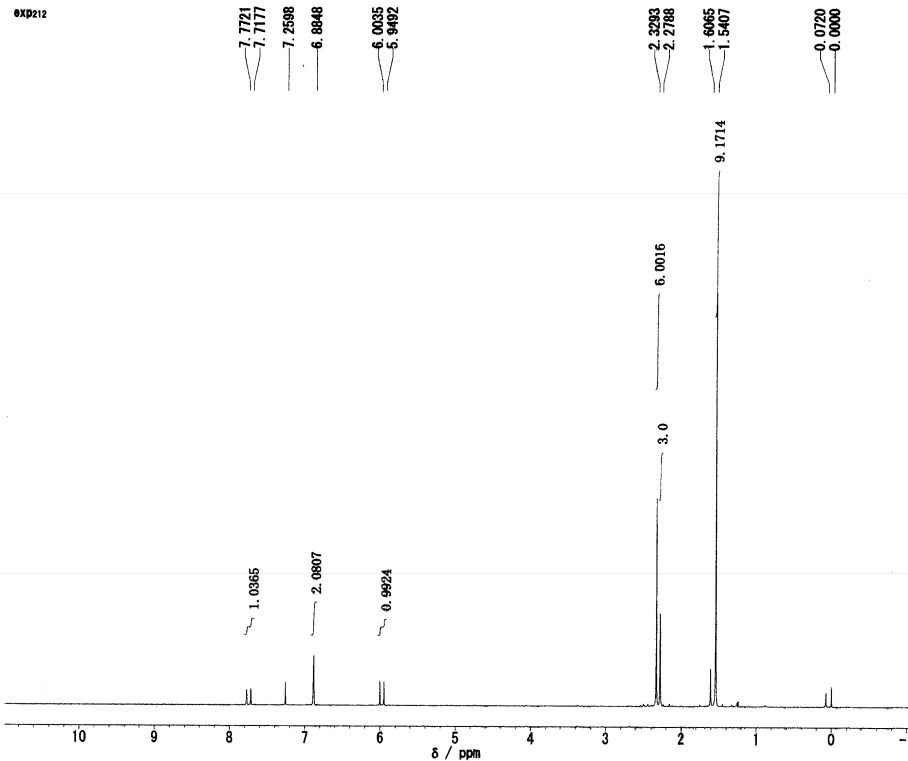
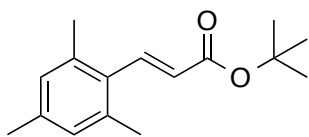


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¹H and ¹³C NMR of **3h**



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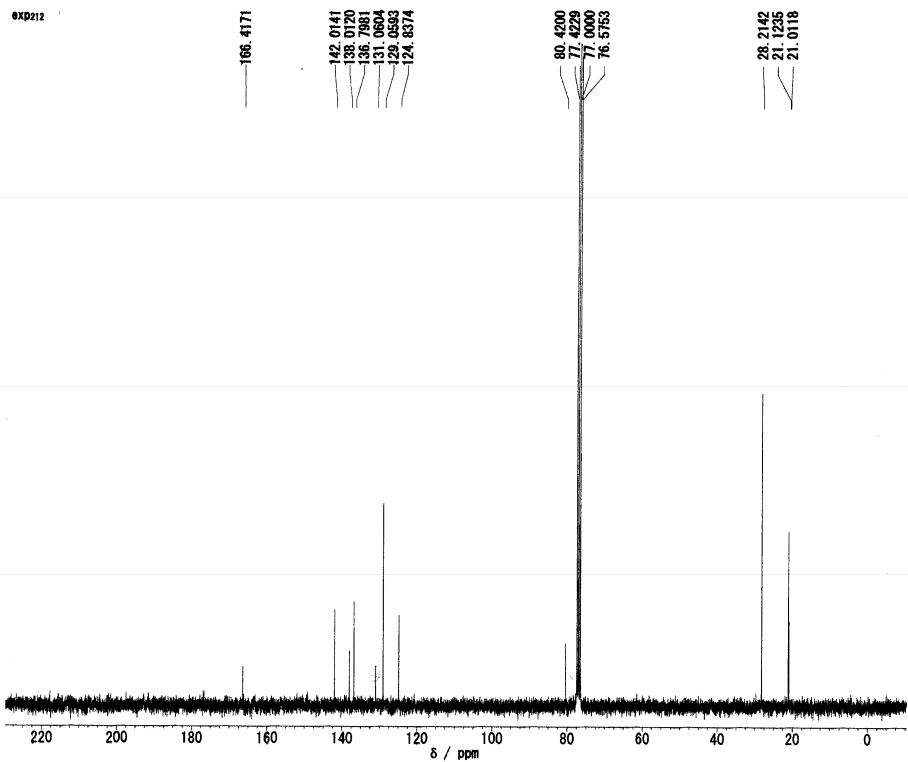
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Operator _____



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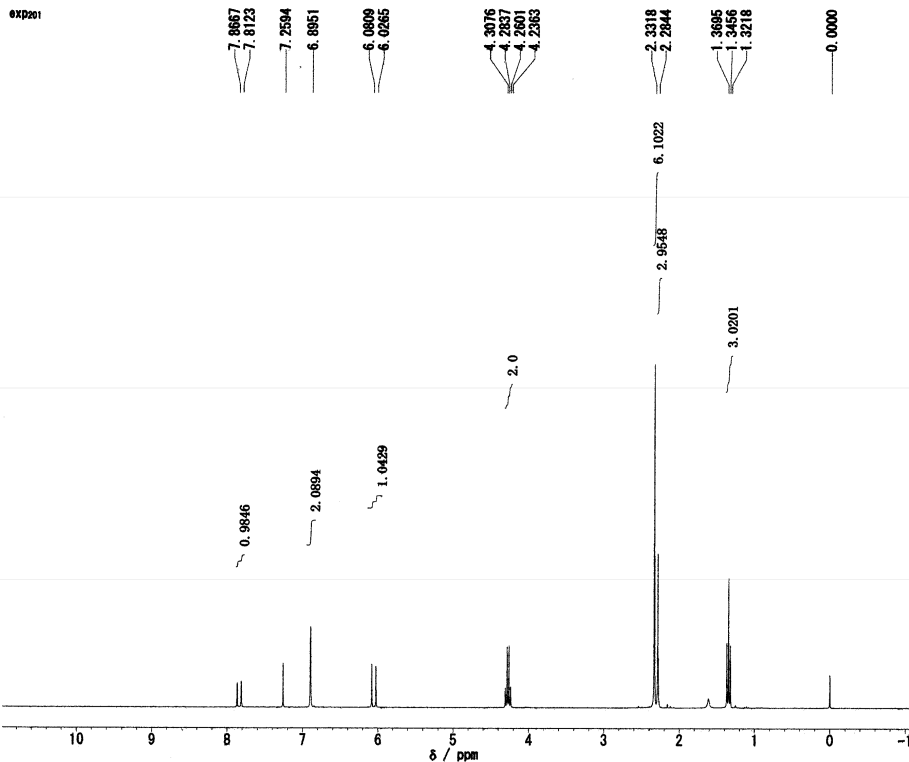
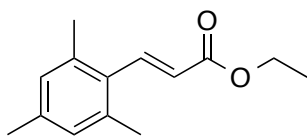
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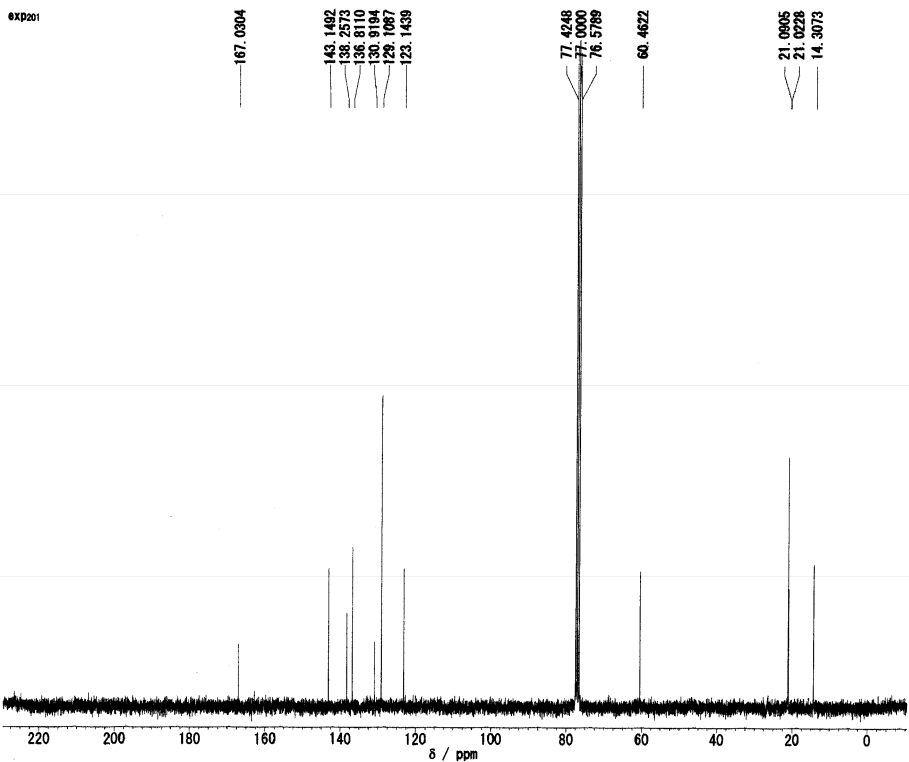
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Operator _____

¹H and ¹³C NMR of 3i

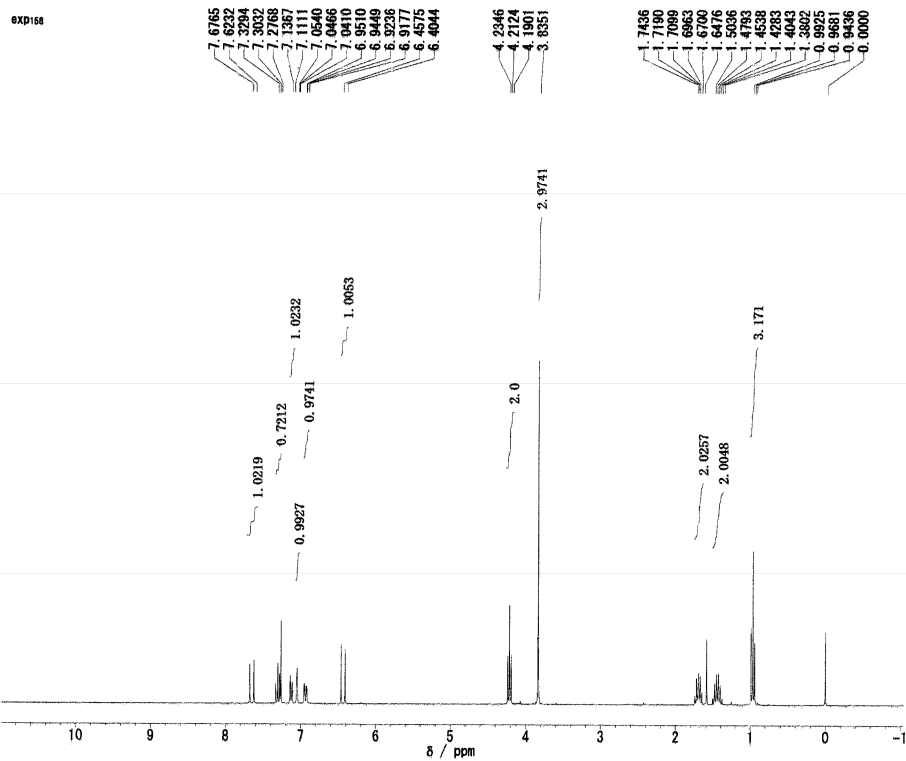
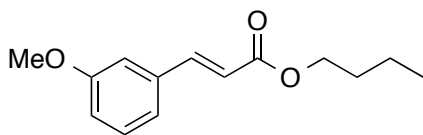


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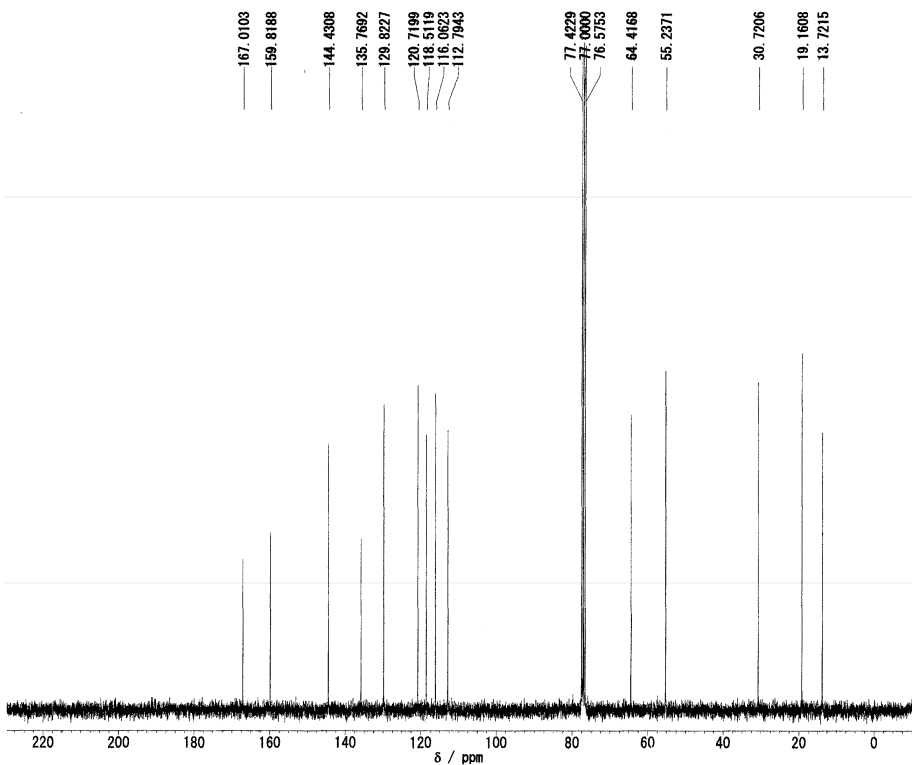


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¹H and ¹³C NMR of 3j

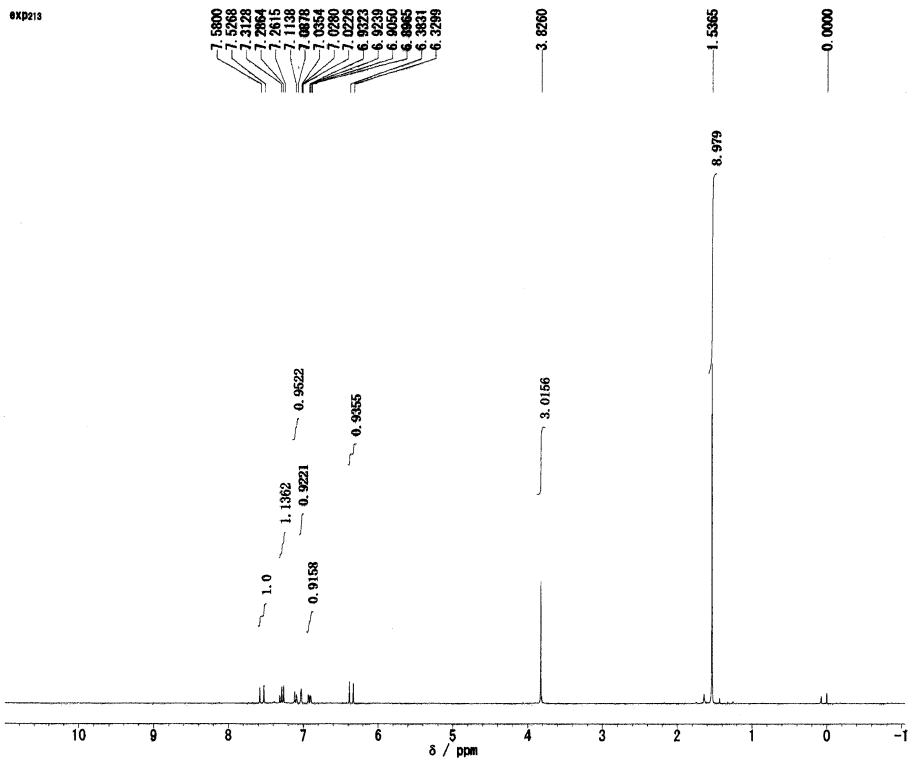
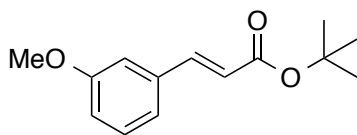


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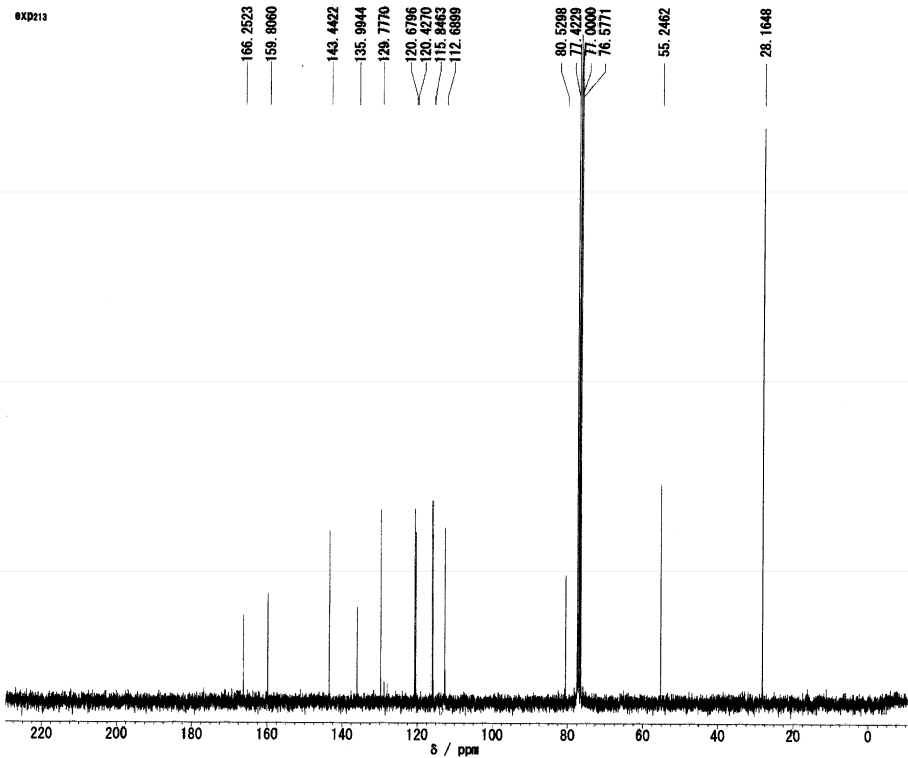


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Pulse 0.0 μs
IrrNuc OFF
ProbeHead 5 MM BBO BB-1H-D Z-
GRD 28284/01
Instrument SPECT
Pulse Program ZGPG30
Gradient Program
Temperature 26.85 °C
Solvent CDCl3
Reference 77.0 ppm
Broad.Factor 0.25 Hz
Window Exponential
RGain 1290
Operator

¹H and ¹³C NMR of **3k**

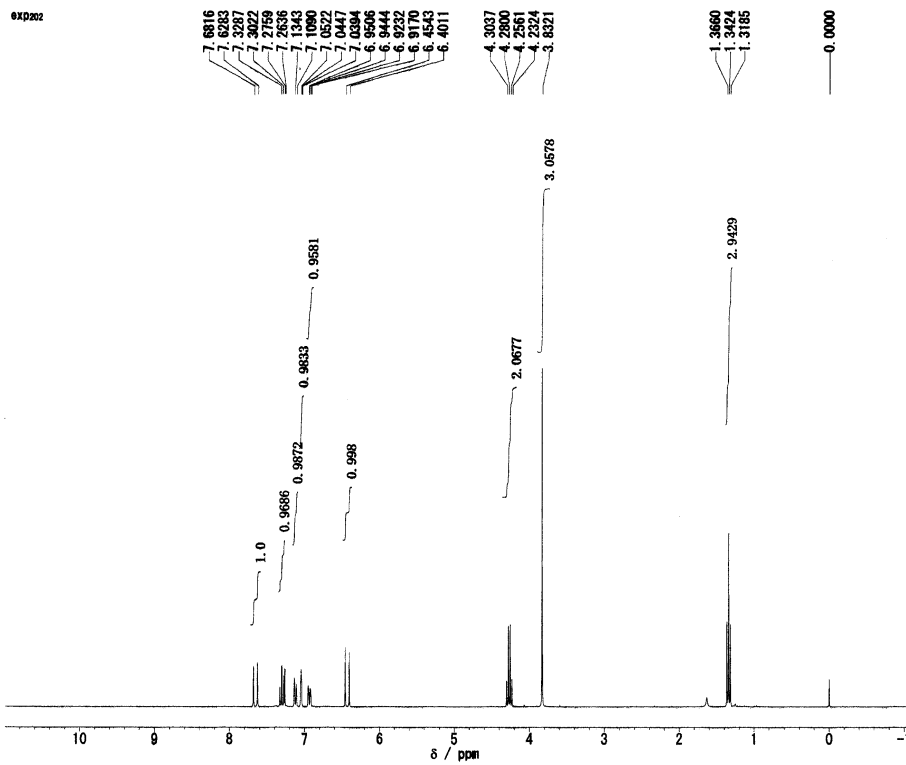
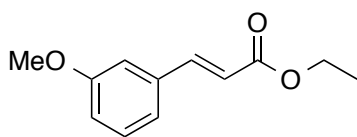


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VERUKERNMVSJMINO2013\18540
HVSYPDATA\1\1R
Date 26/May/2013 17:30:07
Comment
ObsNuc ¹H
ExMode ZG30
ObsFreq 300.23 MHz
ObsSet 0.0 kHz
ObsFine 10004.56 Hz
Point 15384
Frequency (Span) 3612.717 Hz
Scan 8
AcqTime 4.5351 s
PD 1.0 s
Pulse 9.0 μs
IrrNuc OFF
ProbeHead 5 MM BBO BB-1H-D Z-
GRD Z8284/01
Instrument SPECT
Pulse Program ZG30
Gradient Program
Temperature 26.85 °C
Solvent CDCl₃
Reference 0.0 ppm
Broad.Factor 0.25 Hz
Window Exponential
RGain 256
Operator

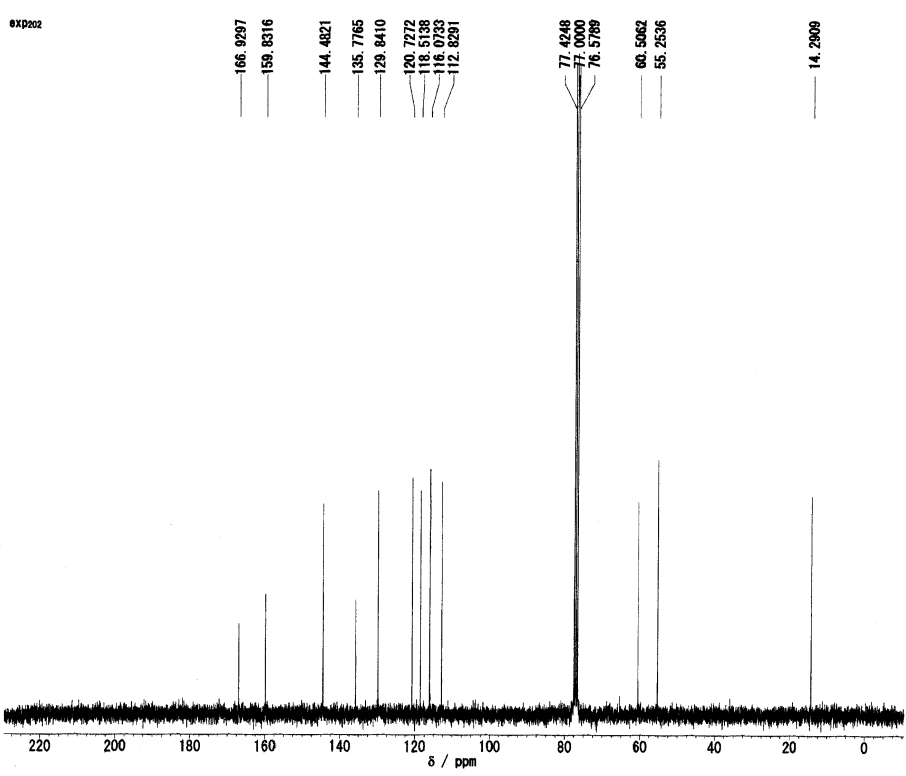


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Date 26/May/2013 17:48:11
Comment
ObsNuc ¹³C
ExMode Z6PG30
ObsFreq 75.49 MHz
ObsSet 0.0 kHz
ObsFine 10003.06 Hz
Point 32738
Frequency (Span) 18115.94 Hz
Scan 256
AcqTime 1.8088 s
PD 2.0 s
Pulse 0.0 μs
IrrNuc OFF
ProbeHead 5 MM BBO BB-1H-D Z-
GRD Z8284/01
Instrument SPECT
Pulse Program Z6PG30
Gradient Program
Temperature 26.85 °C
Solvent CDCl₃
Reference 77.0 ppm
Broad.Factor 0.25 Hz
Window Exponential
RGain 2896
Operator

¹H and ¹³C NMR of 31



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HVSVPDATA1W1R
Date 20/Apr/2013 19:00:19
Comment
ObsNuc ¹H
ExMode ZG30
ObsFreq 300.23 MHz
ObsSet 0.0 kHz
ObsFine 10004.56 Hz
Point 16384
Frequency (Span) 3612.717 Hz
Scan 8
AcqTime 4.5351 s
PD 1.0 s
Pulse1 9.0 μs
IrrNuc OFF
ProbeHead 5 MM BBO BB-1H-D Z-
GRD Z8284/01
Instrument SPECT
Pulse Program ZG30
Gradient Program
Temperature 26.85 °C
Solvent CDCl₃
Reference 0.0 ppm
Broad.Factor 0.25 Hz
Window Exponential
RGain 236
Operator



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ADMINISTRATOR\MY DOCUMENTS
YBRUKERNMVG06M1N02013118582
HVSVPDATA1W1R
Date 07/Jun/2013 11:05:05
Comment
ObsNuc ¹³C
ExMode ZGPG30
ObsFreq 75.49 MHz
ObsSet 0.0 kHz
ObsFine 10003.06 Hz
Point 32768
Frequency (Span) 18115.94 Hz
Scan 256
AcqTime 1.8088 s
PD 2.0 s
Pulse1 0.0 μs
IrrNuc OFF
ProbeHead 5 MM BBO BB-1H-D Z-
GRD Z8284/01
Instrument SPECT
Pulse Program ZGPG30
Gradient Program
Temperature 26.85 °C
Solvent CDCl₃
Reference 77.0 ppm
Broad.Factor 0.25 Hz
Window Exponential
RGain 1290
Operator