

# **(1R)-2,3,4,6-Tetra-O-benzyl-1-C-allyl-1-deoxy-1-C-(2-thiazolyl)-D-galactopyranose**

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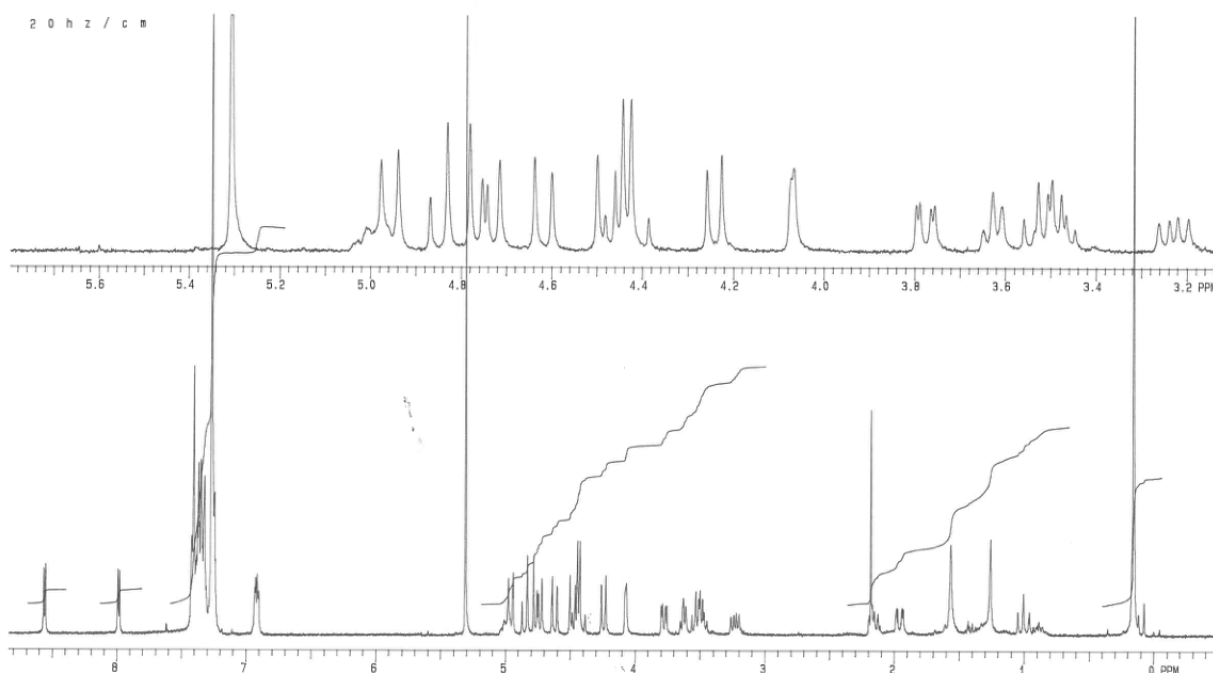
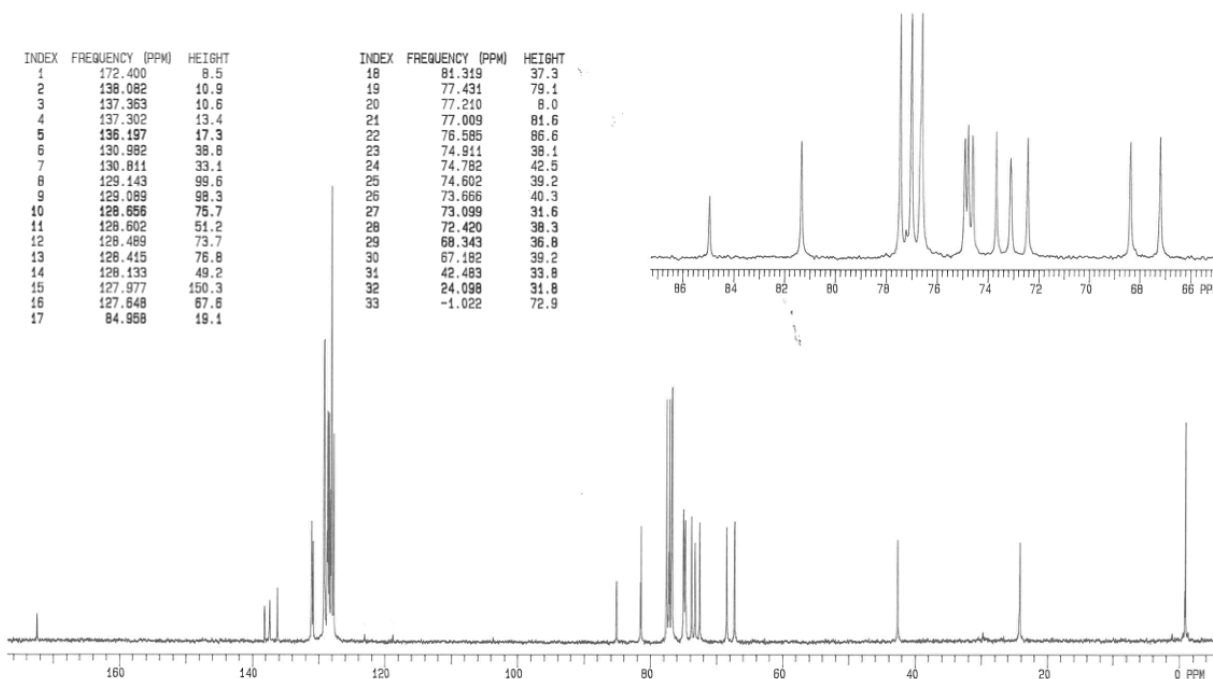
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## **Supplementary Materials**

Table of contents	page
<sup>1</sup> H-NMR spectrum of <b>11</b> (Figure S1)	S2
<sup>13</sup> C-NMR spectrum of <b>11</b> (Figure S2)	S2
<sup>13</sup> C-NMR spectrum (expansion) of <b>11</b> (Figure S3)	S3
<sup>19</sup> F-NMR spectrum of <b>11</b> (Figure S4)	S3
NOEDIF NMR spectrum of <b>11</b> (Figure S5)	S4
<sup>1</sup> H-NMR spectrum of <b>10</b> (Figure S6)	S4
<sup>13</sup> C-NMR spectrum of <b>10</b> (Figure S7)	S5
HRMS spectrum of <b>10</b> (Figure S8)	S5
FT-IR spectrum of <b>10</b> (Figure S9)	S6

Figure S1.  $^1\text{H}$ -NMR spectrum of **11** (300 MHz,  $\text{CDCl}_3$ ).Figure S2.  $^{13}\text{C}$ -NMR spectrum of **11** (75 MHz,  $\text{CDCl}_3$ ).

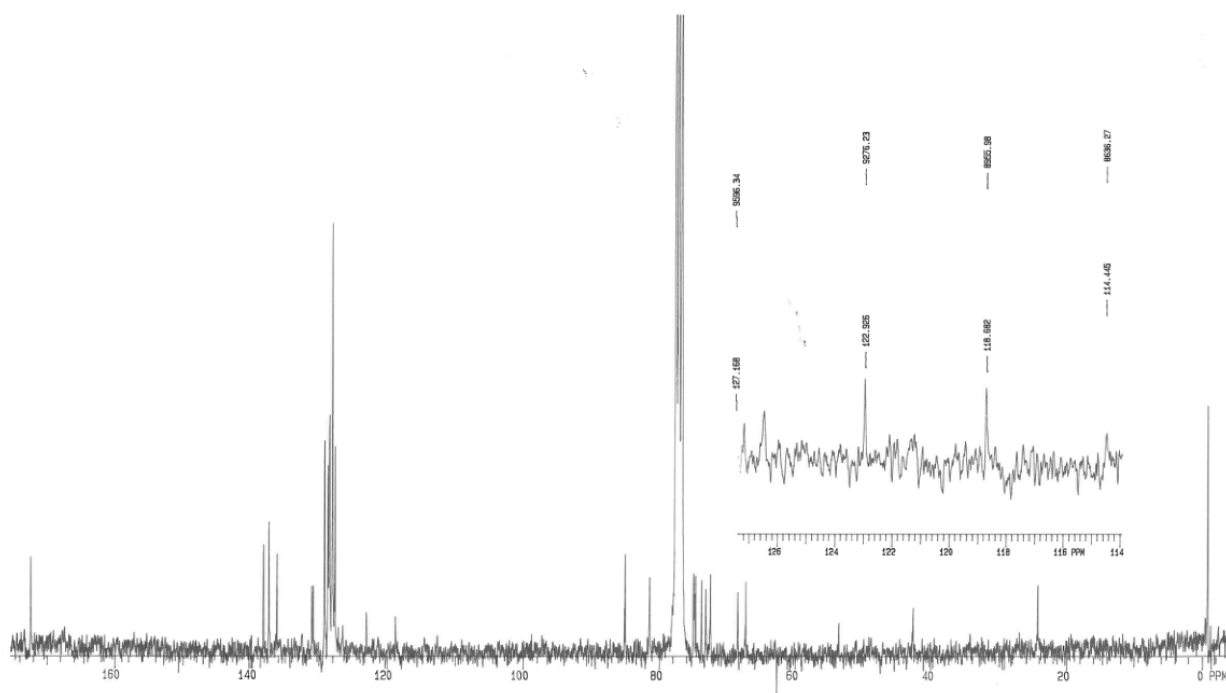


Figure S3. Expansion of the <sup>13</sup>C-NMR spectrum of **11** (75 MHz, CDCl<sub>3</sub>).

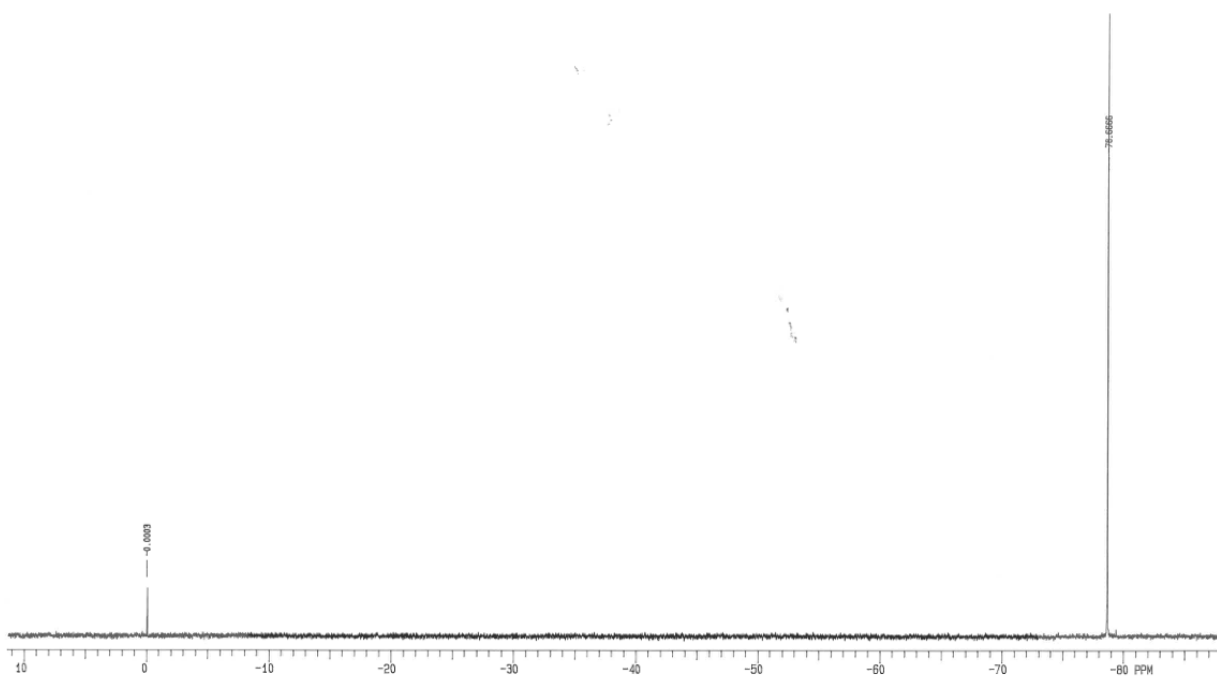


Figure S4. <sup>19</sup>F-NMR spectrum of **11** (282 MHz, CDCl<sub>3</sub>) using CFCl<sub>3</sub> as reference (0.00 ppm).

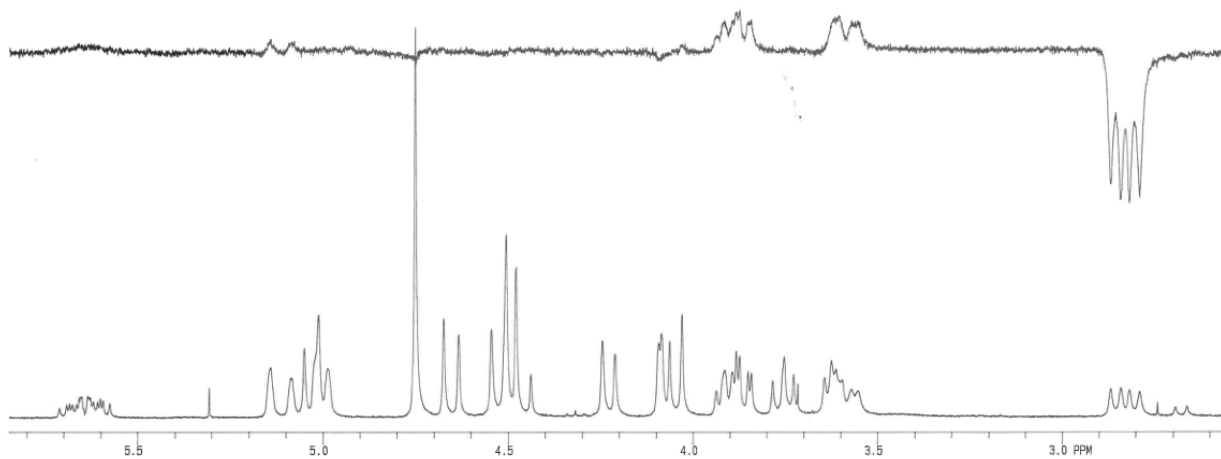


Figure S5. NOEDIF NMR spectrum of **11** (300 MHz,  $\text{CDCl}_3$ ): irradiation at 2.85 ppm.

Alberto Marra  
Th-allyl f4  
1H  $\text{CDCl}_3$  /opt/topspin2.1 grm 58

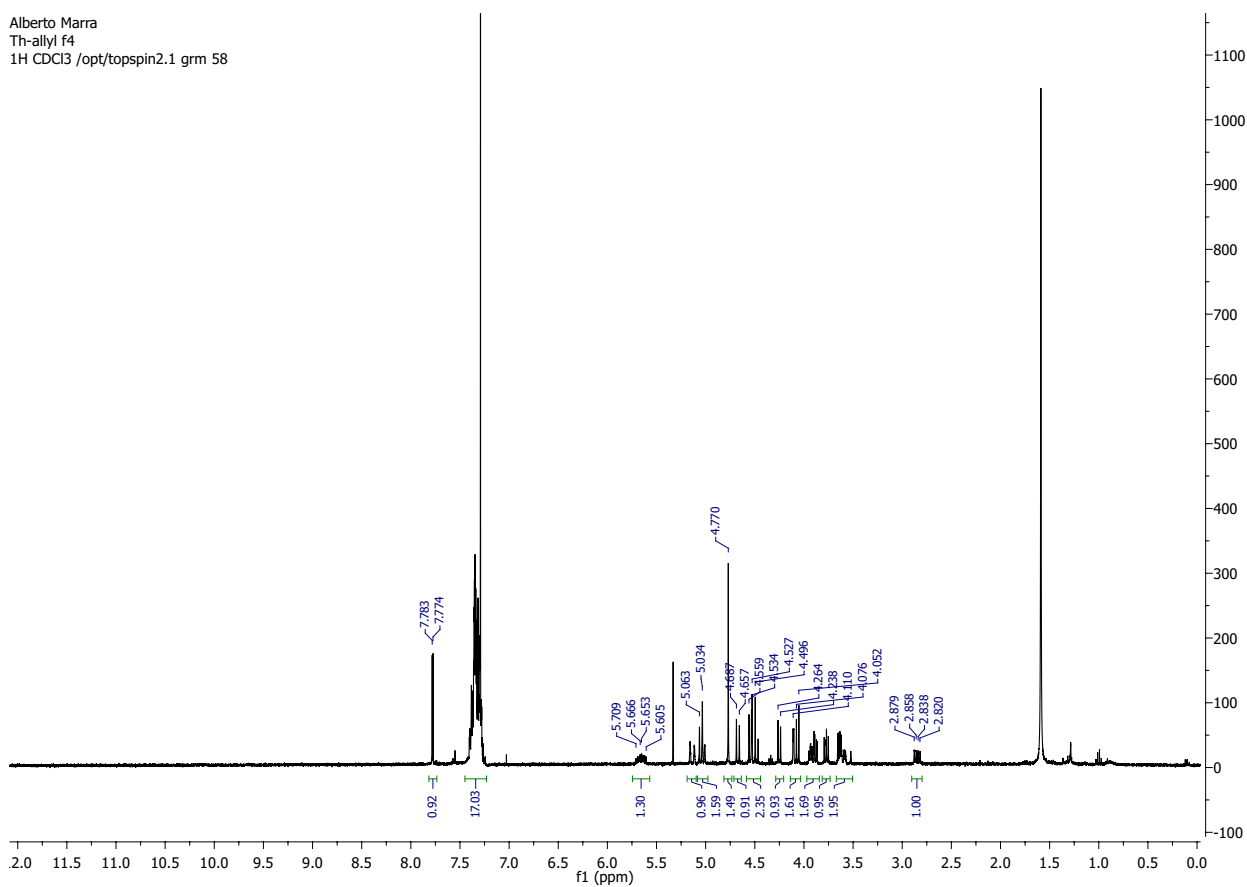
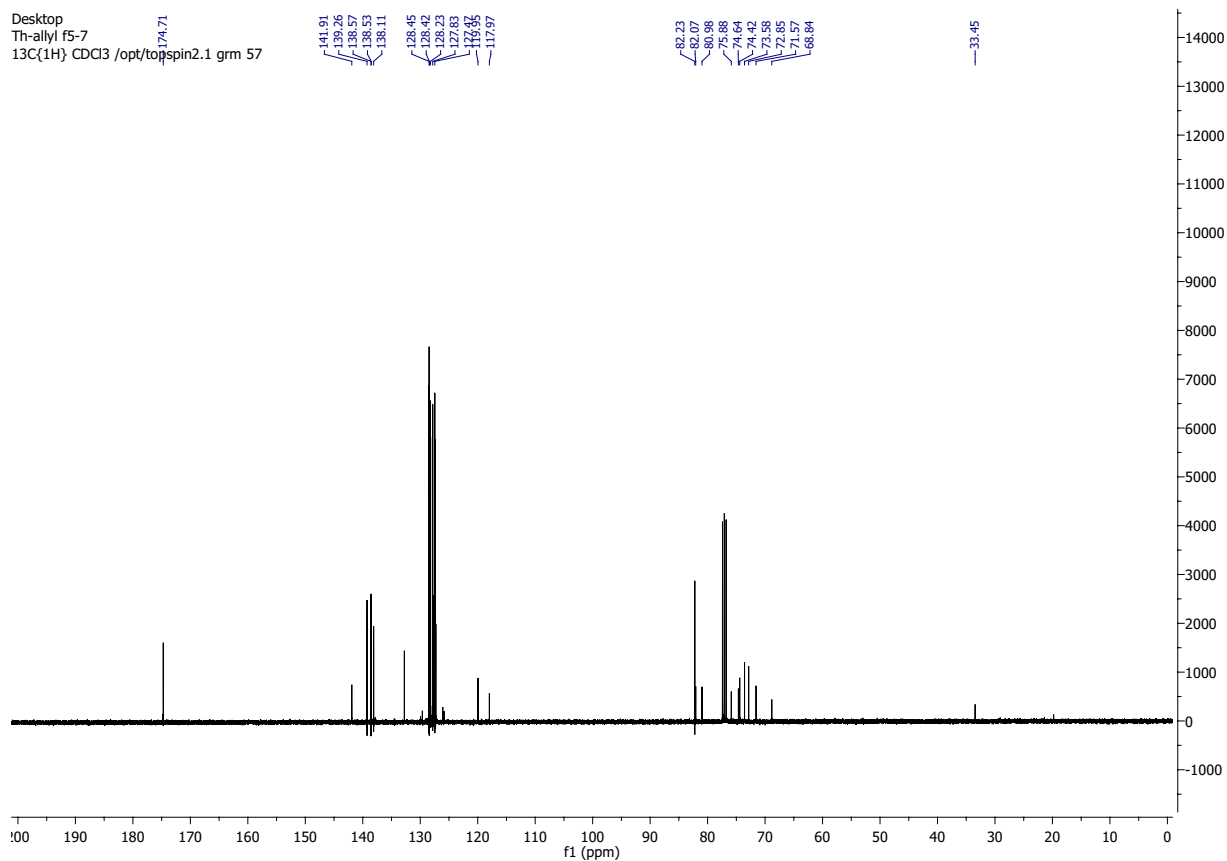


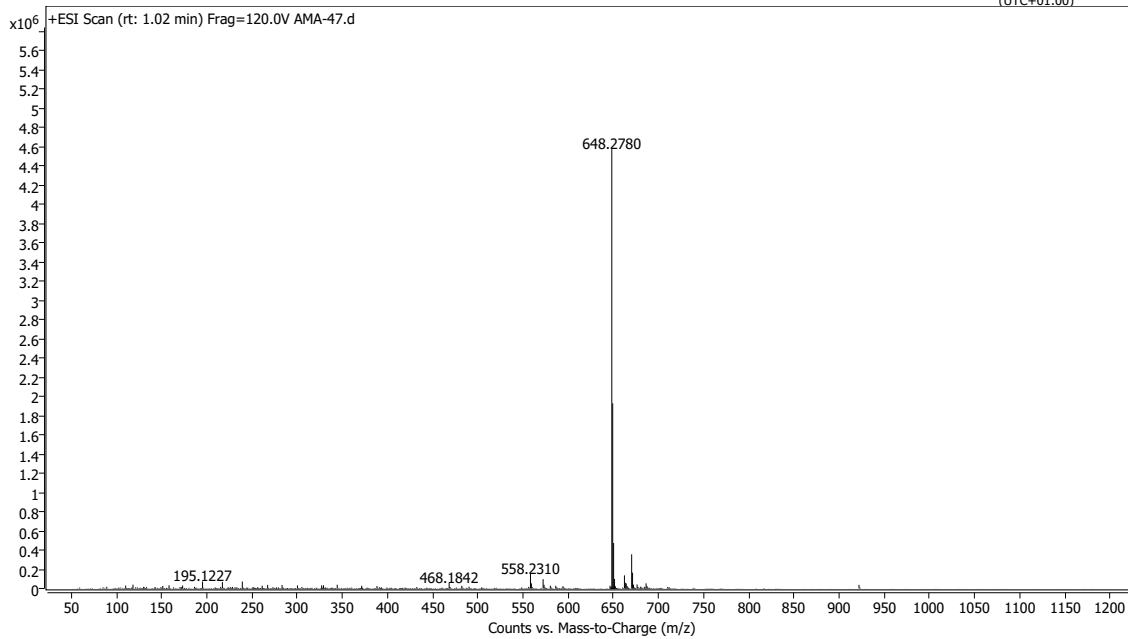
Figure S6.  $^1\text{H}$ -NMR spectrum of **10** (400 MHz,  $\text{CDCl}_3$ ).

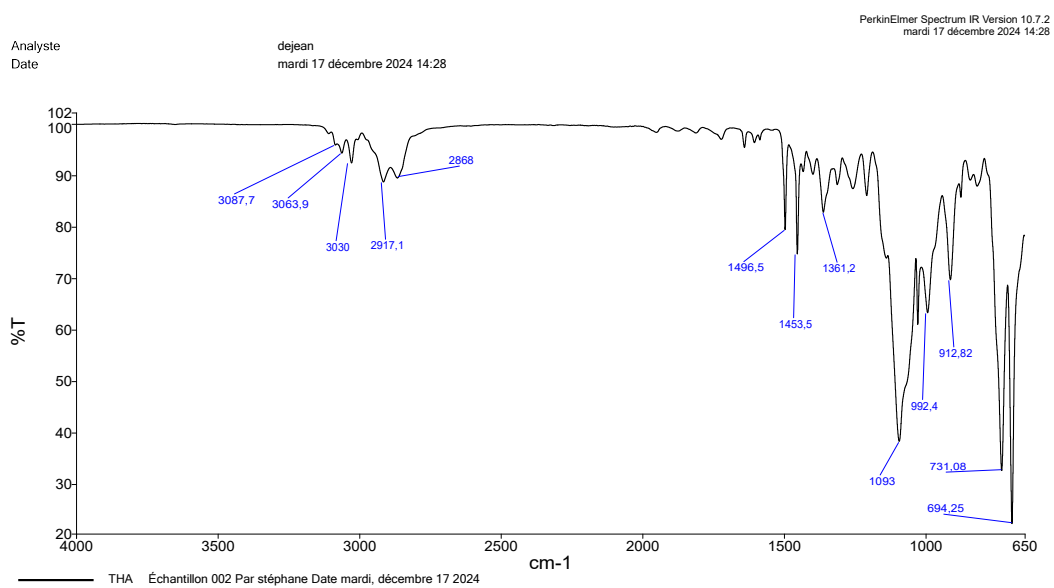
Figure S7.  $^{13}\text{C}$ -NMR spectrum of **10** (100 MHz,  $\text{CDCl}_3$ ).

## Spectrum Plot Report



Sample Name	Th-allyl	Rack Position	Instrument	DESKTOP-KI18A9P	Acq Operator	SYSTEM (SYSTEM)
Inj Vol (ul)	0.5	Plate Position	IRM Status	Success		
Data File	AMA-47.d	Acq Method	FIA-50-1200-POS.2m.m	Comment	Acq Time (Local)	11/28/2024 9:43:30 AM (UTC+01:00)

Figure S8. HRMS spectrum of **10**.

Figure S9. FT-IR spectrum of **10**.