

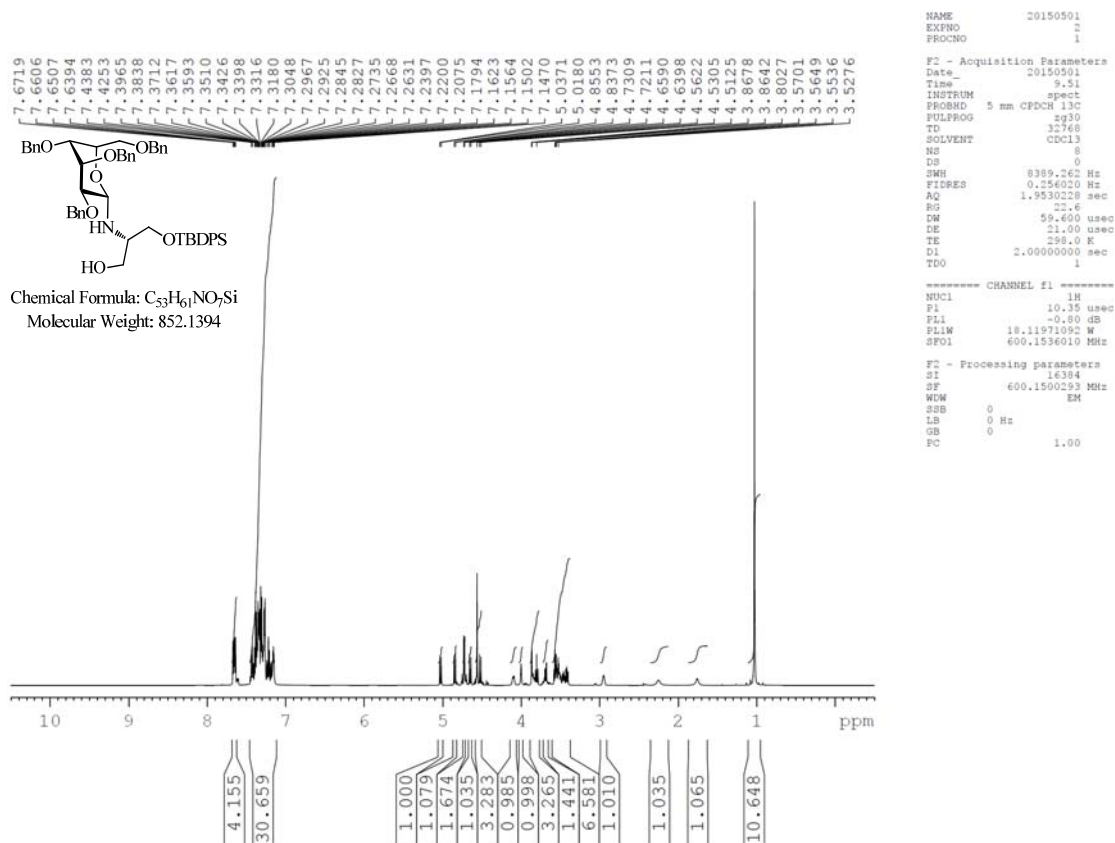
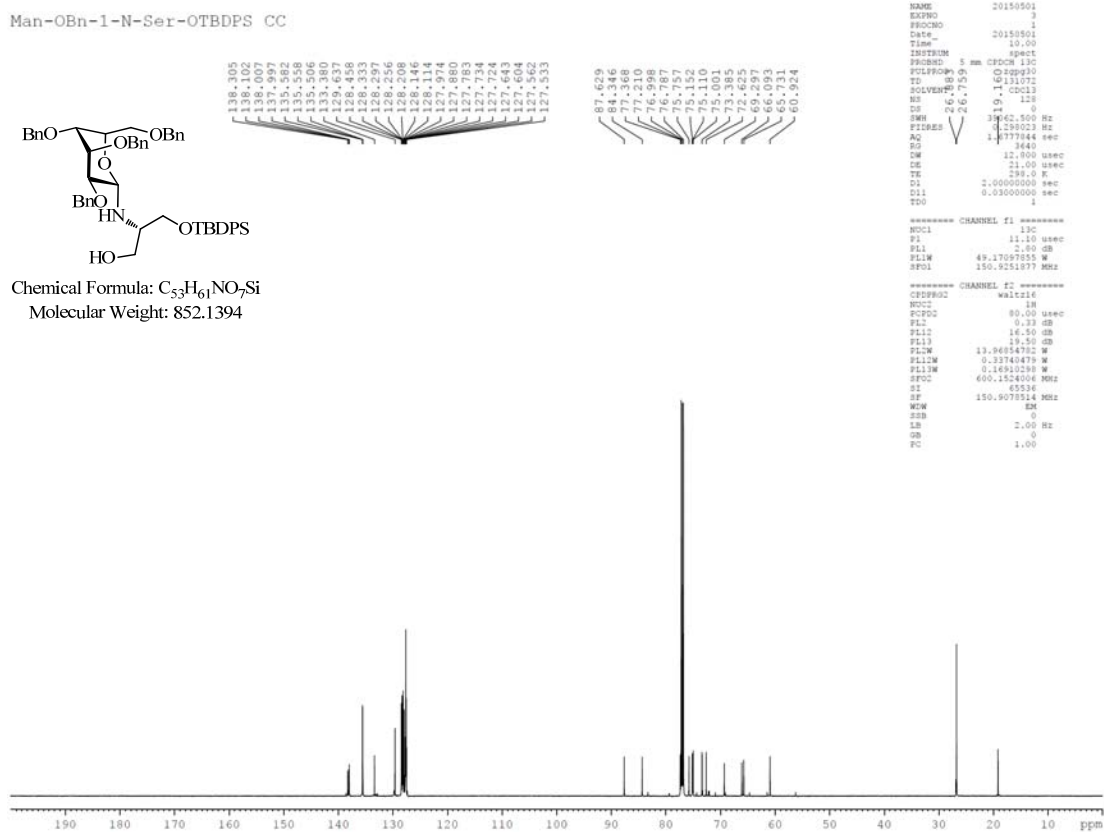
## Supporting Information

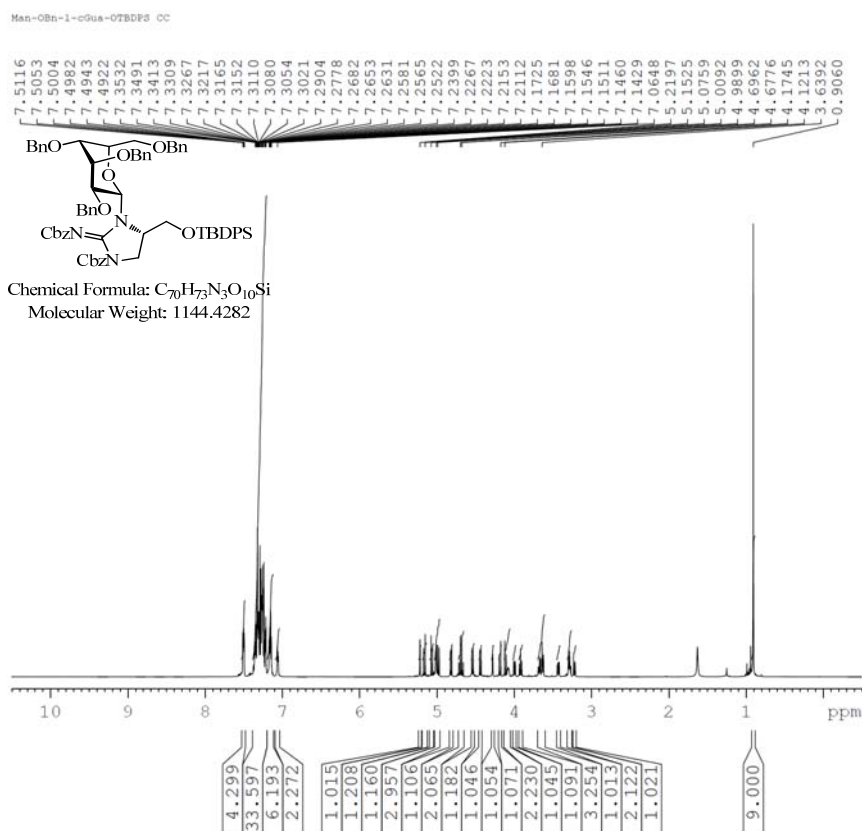
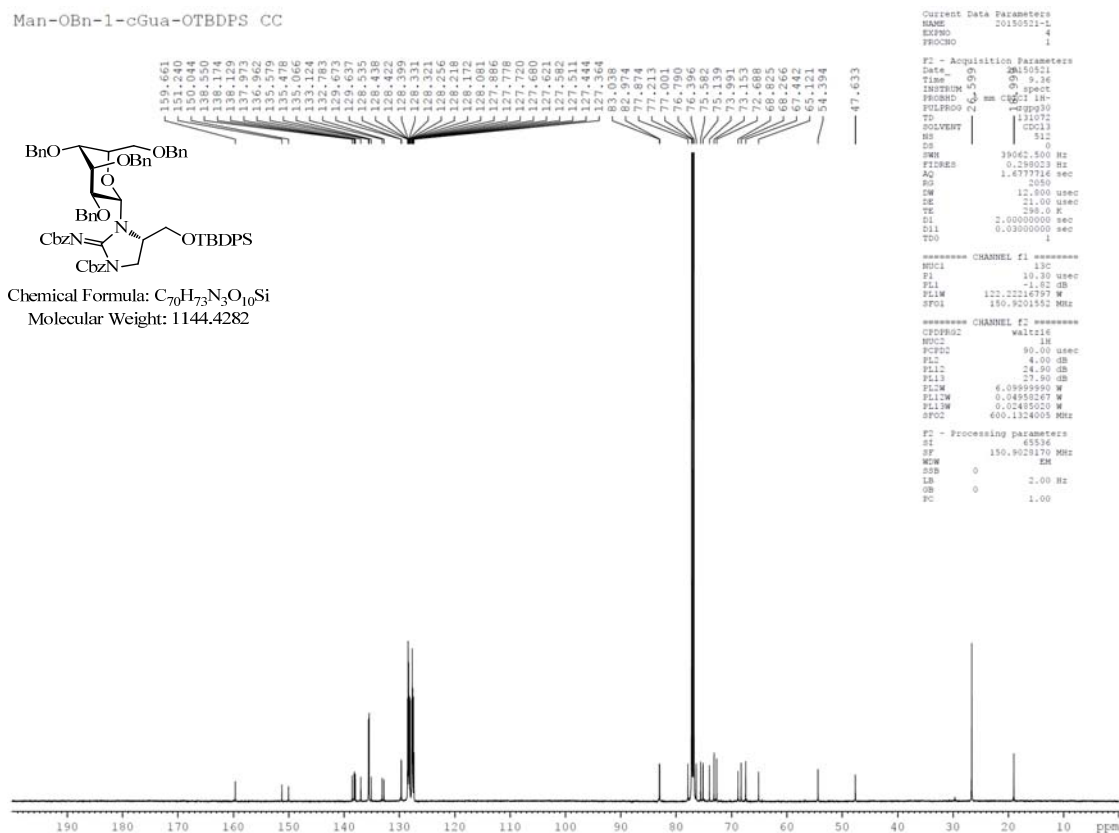
### **A Concise Approach Towards the Synthesis of the Unique *N*-Mannosyl D- $\beta$ -Hydroxyenduracididine Moiety in the Mannopeptimycin Series of Natural Products**

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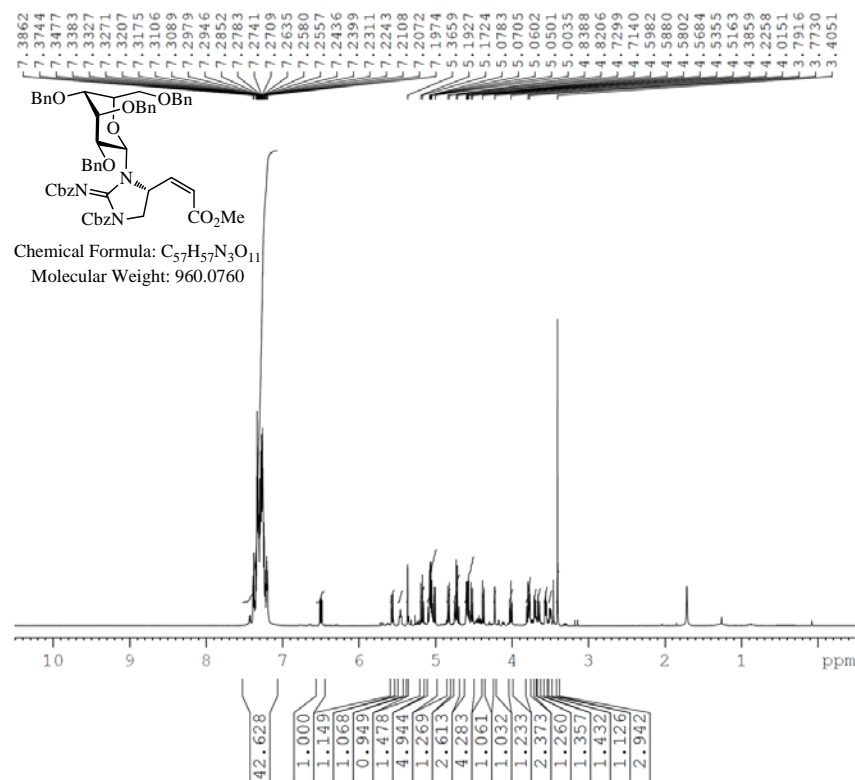
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701, Taiwan*

Copies of  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra $^1\text{H}$  NMR spectrum of compound **12** (600 MHz,  $\text{CDCl}_3$ ) $^{13}\text{C}$  NMR spectrum of compound **12** (150 MHz,  $\text{CDCl}_3$ )

 $^1\text{H}$  NMR spectrum of compound **9** (600 MHz,  $\text{CDCl}_3$ ) $^{13}\text{C}$  NMR spectrum of compound **9** (150 MHz,  $\text{CDCl}_3$ )



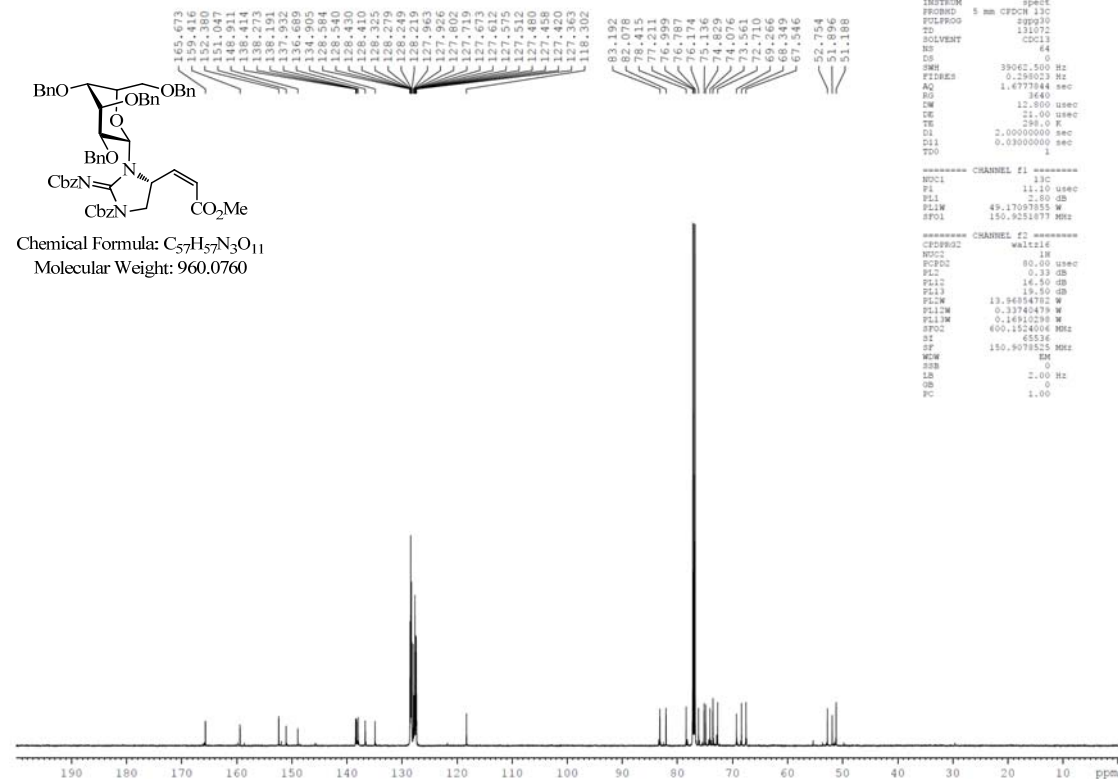
Man-OBn-1-cGua-Z-CH=CHCO<sub>2</sub>Me KHMS PTC (2 eq.) CC f06

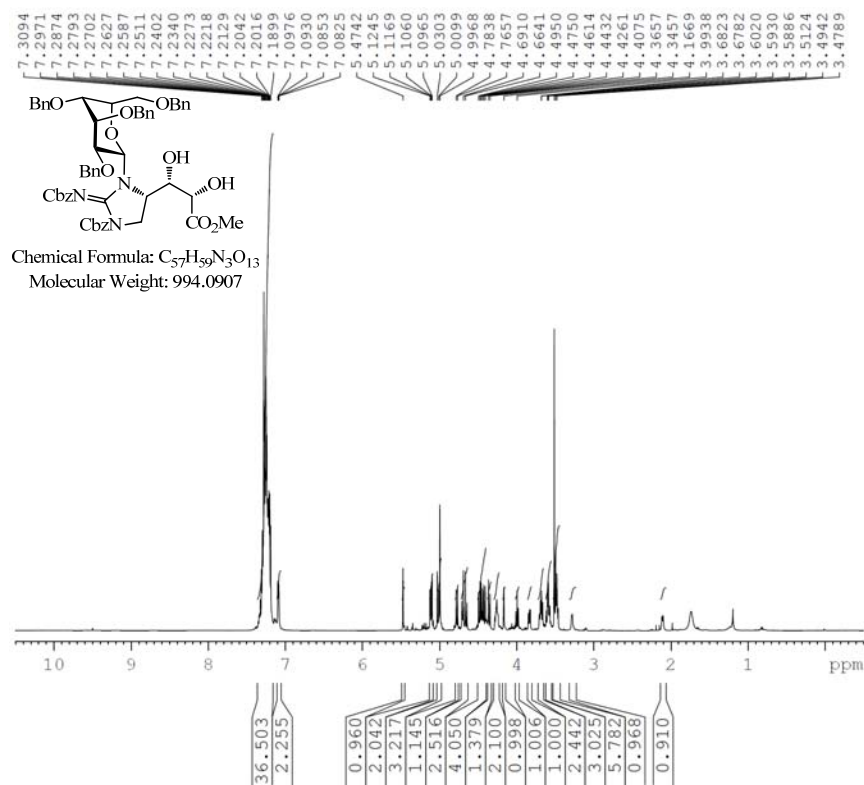
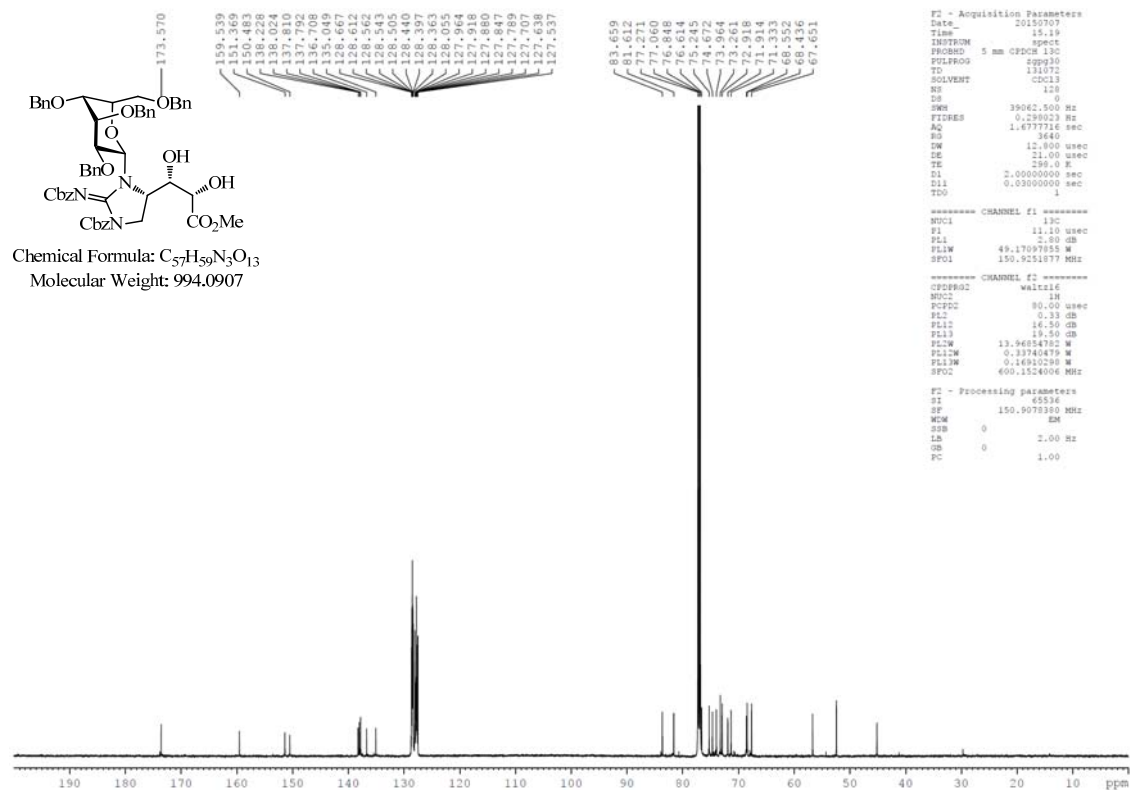
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PROCNO 1

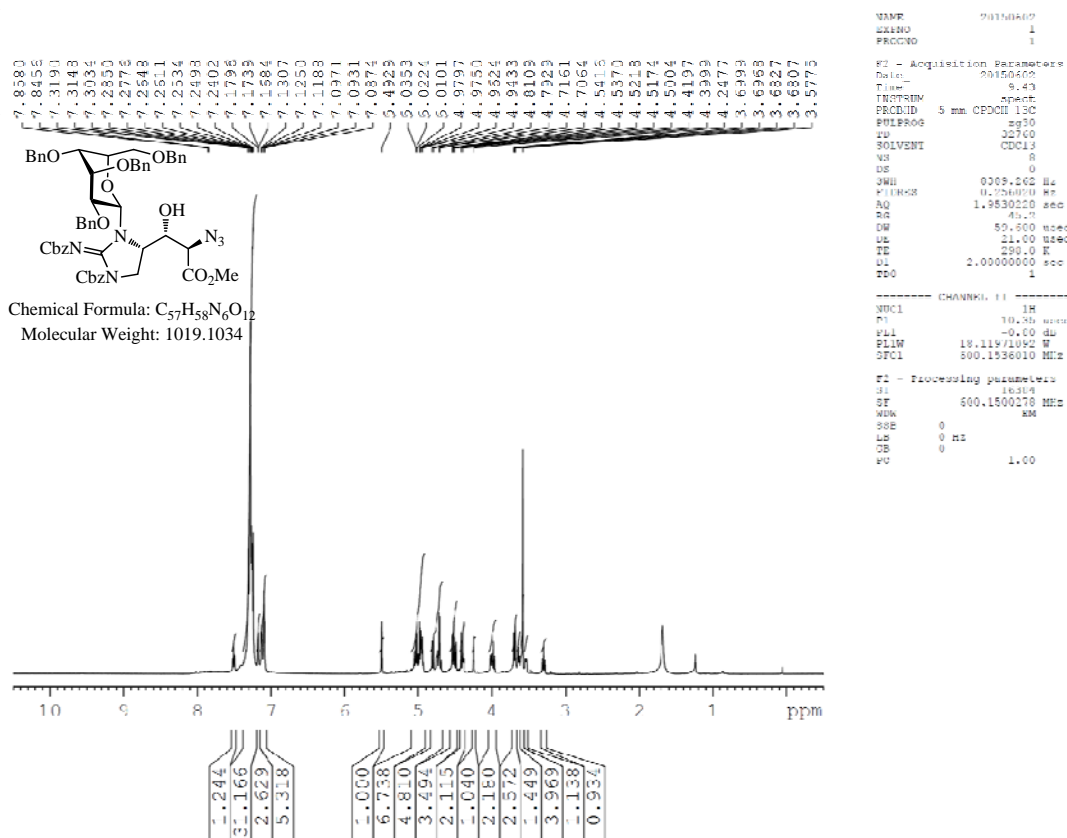
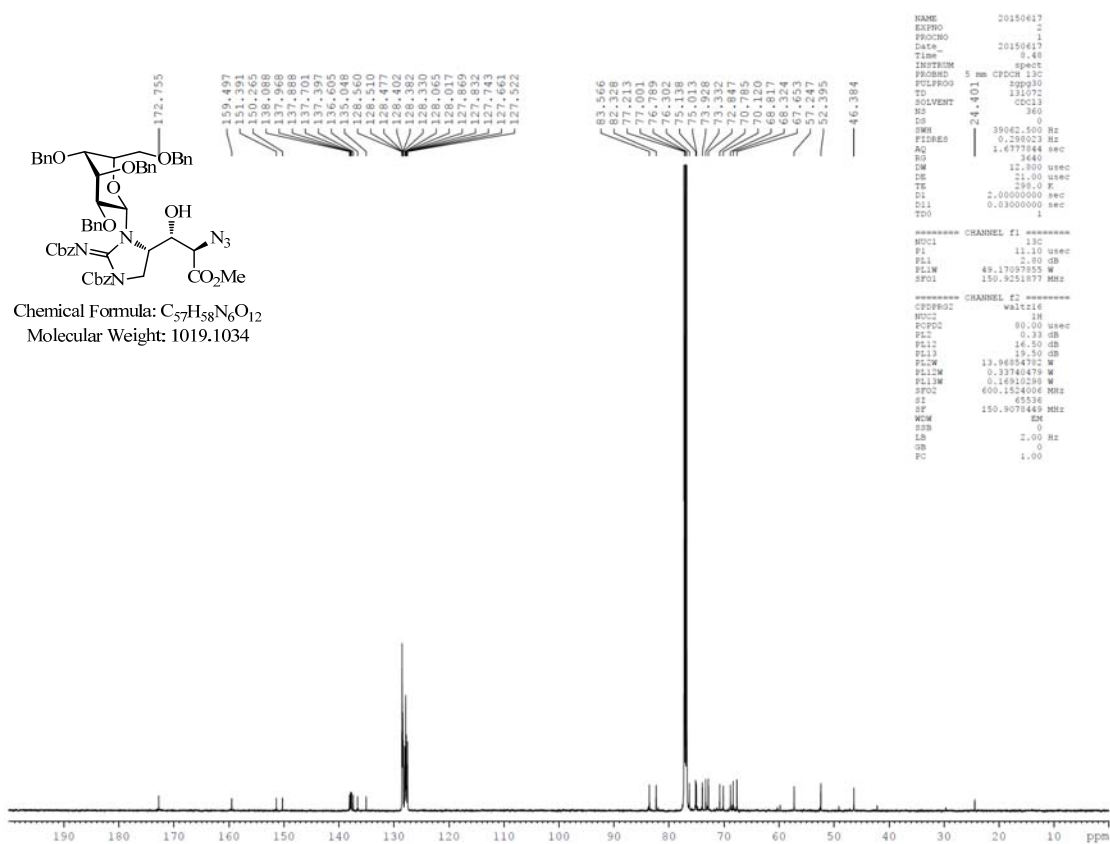
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SOLVENT CDCl<sub>3</sub>  
NS 8  
DS 0  
SWH 8389.262 Hz  
FIDRES 0.256020 Hz  
AQ 1.9530225 sec  
RG 20.2  
DW 59.600 usec  
DE 21.00 usec  
TE 298.0 K  
D1 2.0000000 sec  
TDO 1

===== CHANNEL f1 =====  
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PL1 -0.00 dB  
PL1W 10.11971092 W  
SFO1 600.1536010 MHz

F2 - Processing parameters  
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WDW EM  
SFB 0  
LFB 0 Hz  
GB 0  
PC 1.00

<sup>1</sup>H NMR spectrum of compound (Z)-10 (600 MHz, CDCl<sub>3</sub>)Man-OBn-1-cGua-Z-CH=CHCO<sub>2</sub>Me KHMS PTC (2 eq.) CC f06<sup>13</sup>C NMR spectrum of compound (Z)-10 (150 MHz, CDCl<sub>3</sub>)

Man-OBn-1-cGua-Z-CH(OH)CH(OH)CO<sub>2</sub>Me CC<sup>1</sup>H NMR spectrum of compound 14 (600 MHz, CDCl<sub>3</sub>)Man-OBn-1-cGua-Z-CH(OH)CH(OH)CO<sub>2</sub>Me CC f10-11<sup>13</sup>C NMR spectrum of compound 14 (150 MHz, CDCl<sub>3</sub>)

**<sup>1</sup>H NMR spectrum of compound 11 (600 MHz, CDCl<sub>3</sub>)****<sup>13</sup>C NMR spectrum of compound 11 (150 MHz, CDCl<sub>3</sub>)**