Supplementary Information

for

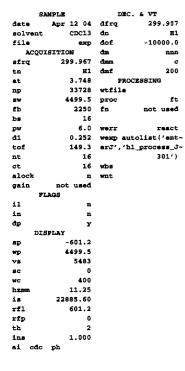
Synthesis of β -Analogues of C-Mannosyltryptophan, a Novel C-Glycosylamino acid Found in Proteins

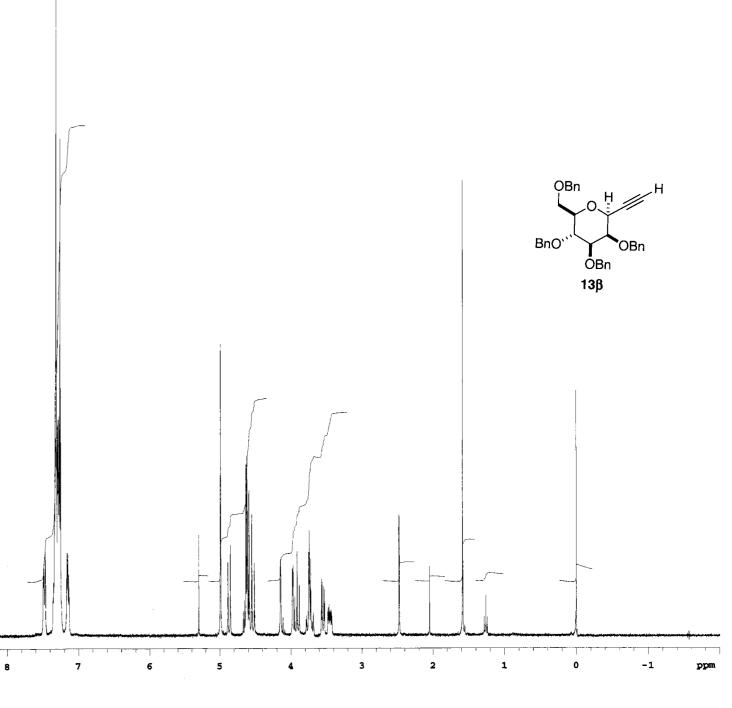
Toshio Nishikawa, a,b,* Yuya Koide, Akira Kanakubo, Hiroshi Yoshimura, and Minoru Isobe, Biroshi Yoshimura, and Minoru Isobe, and Minoru I

^aLaboratory of Organic Chemistry1 Graduate School of Bioagricultural Sciences, Nagoya University, Chikusa, Nagoya 464-8601, Japan

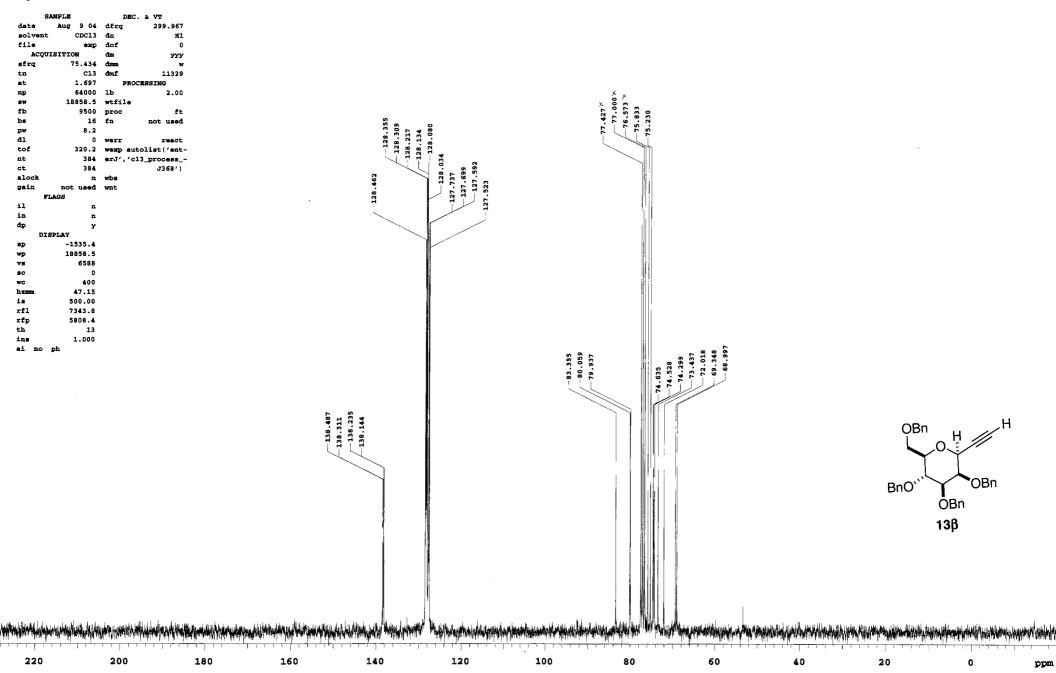
^bPRESTO, Japan Science and Technology Agency

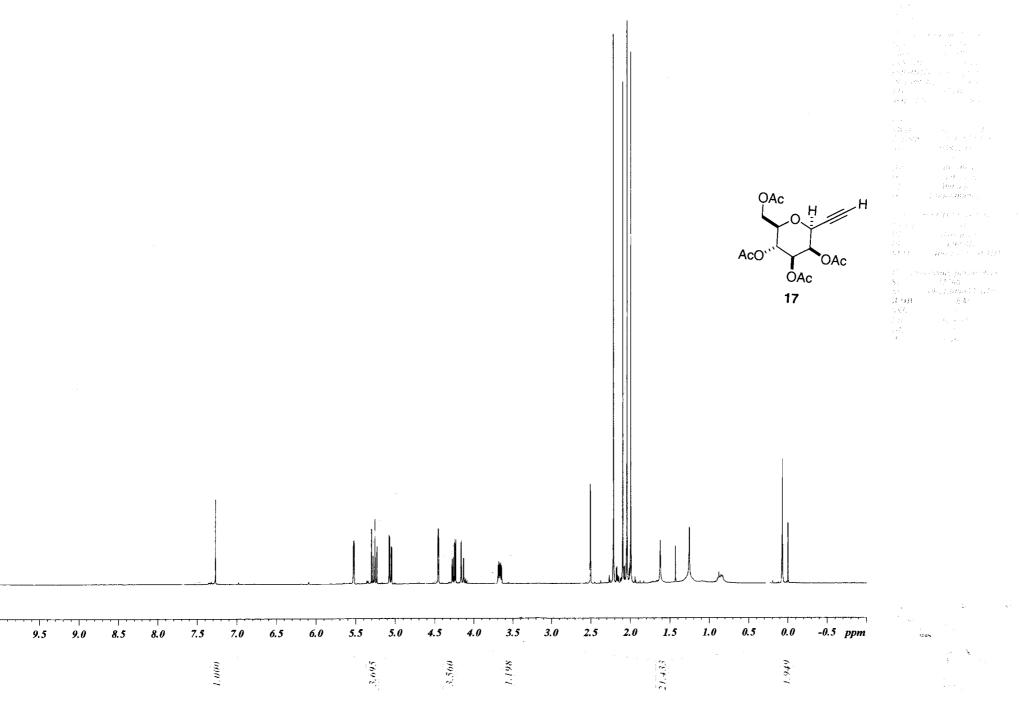


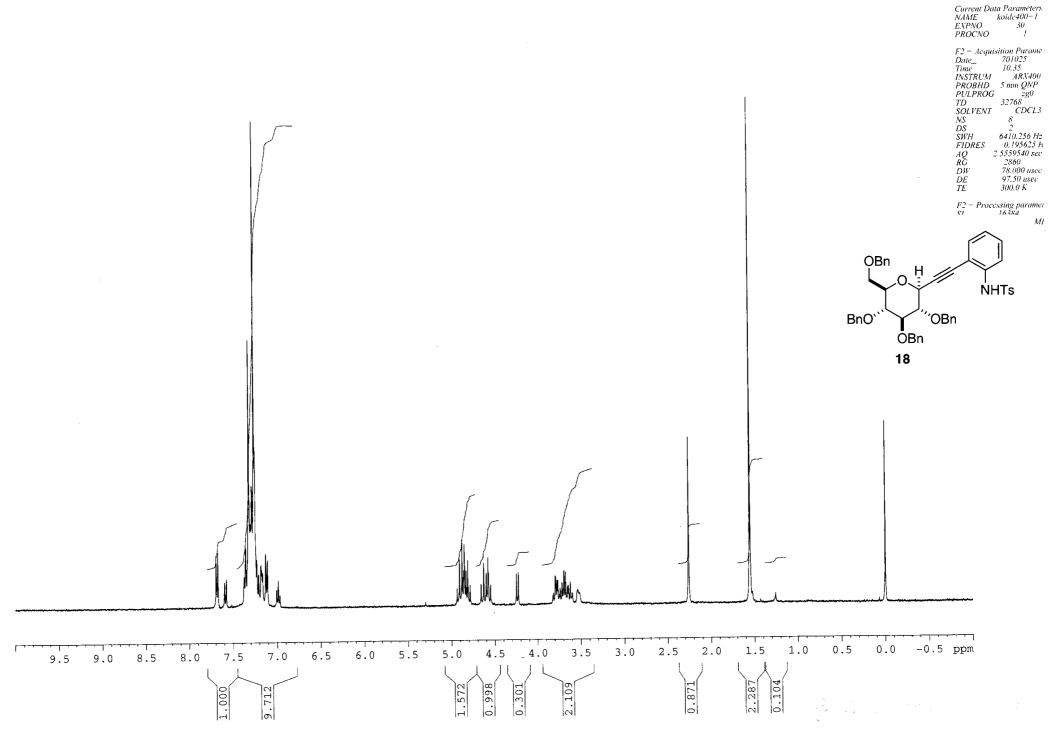




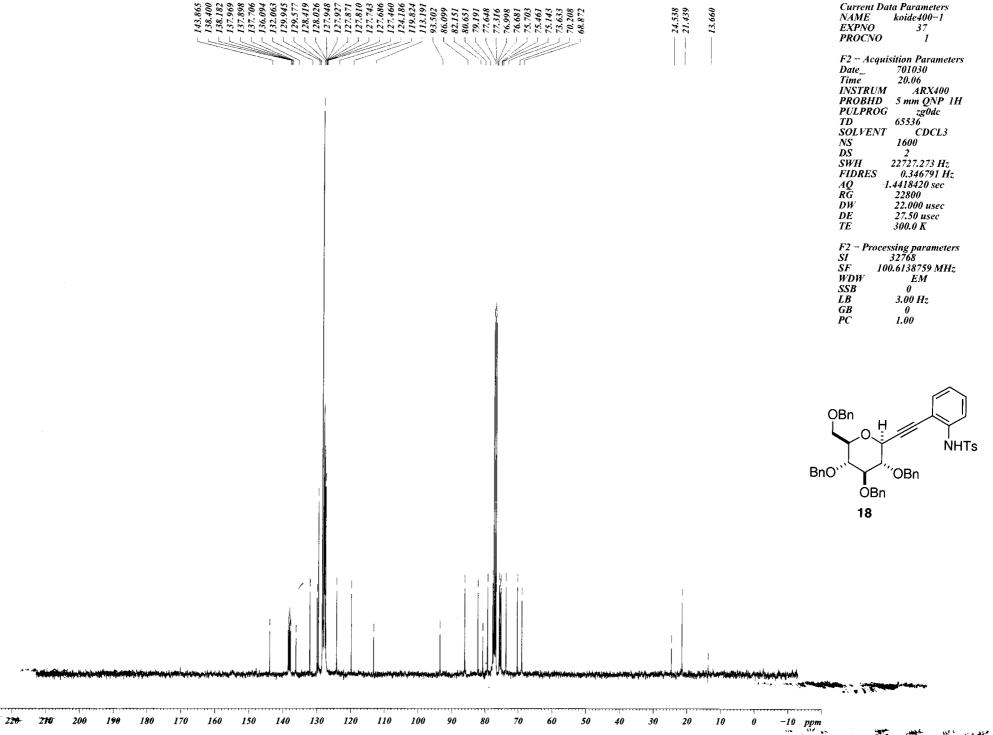
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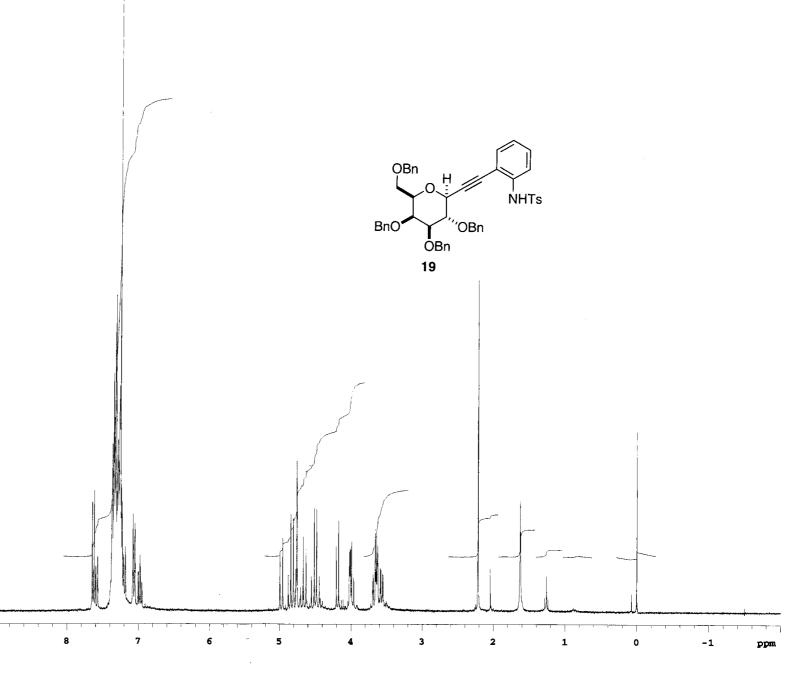




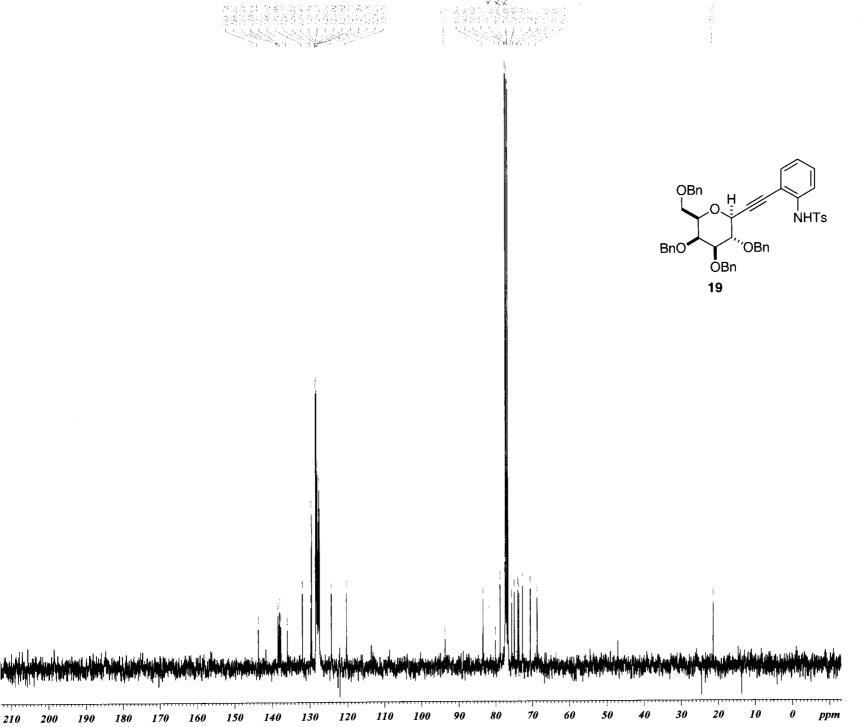








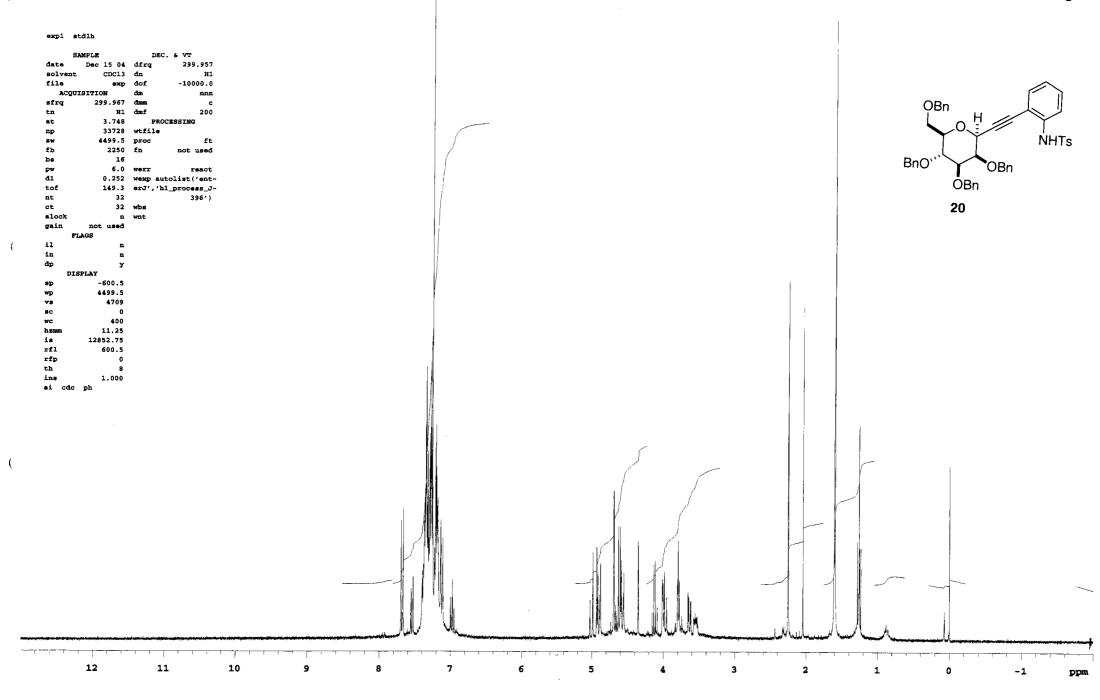
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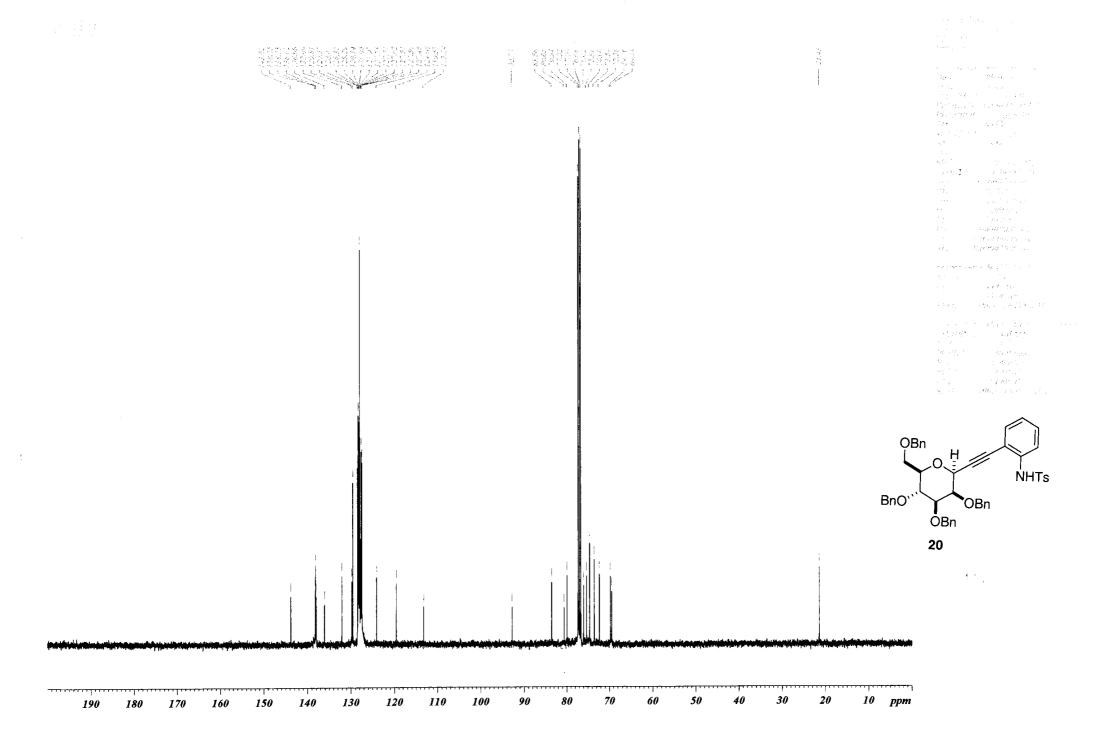


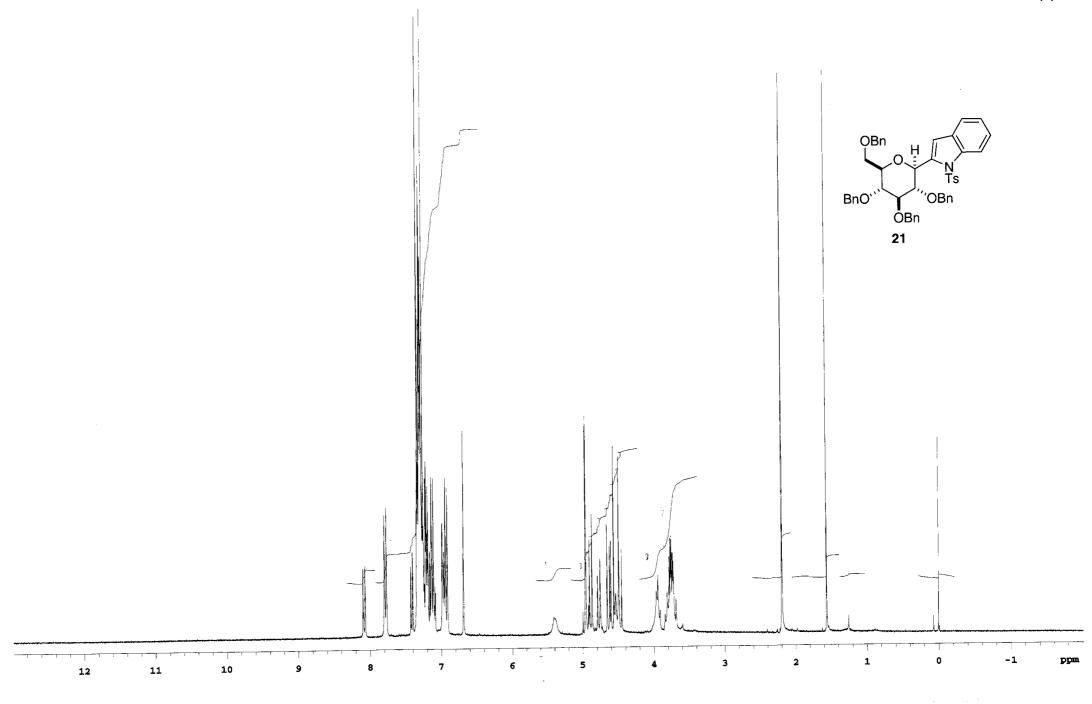
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 $\begin{array}{lll} F_{2}^{2} & (90), (80) & parameters \\ SL & (2.98) \\ M & (90), (87.5), (31.9) \\ 31.431 & (83.1) \\ 4597 & (6.1) \\ LC & (100.44) \\ MC & (4.0) \\ PC & (4.0) \end{array}$



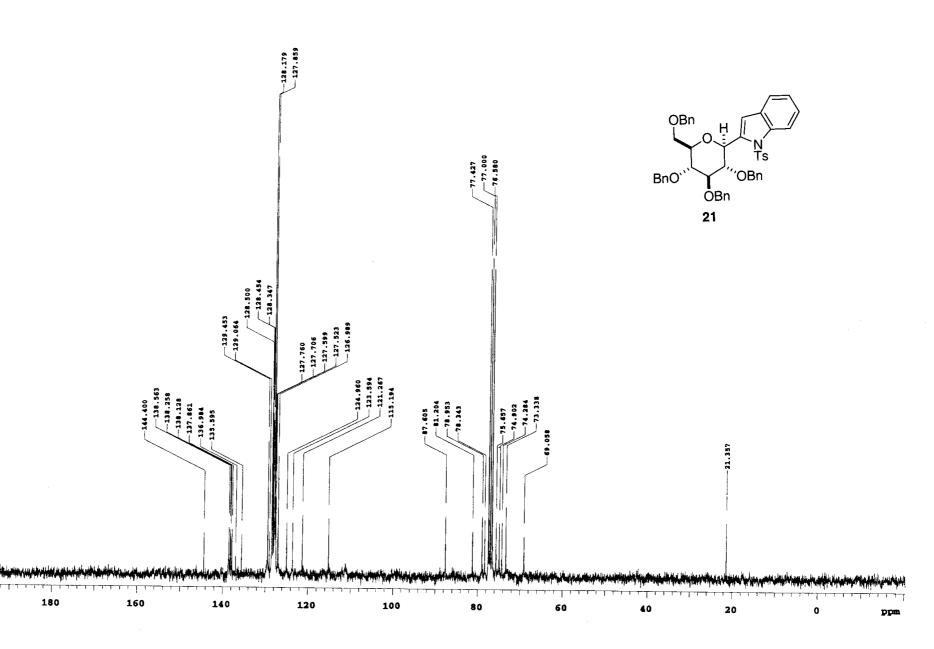


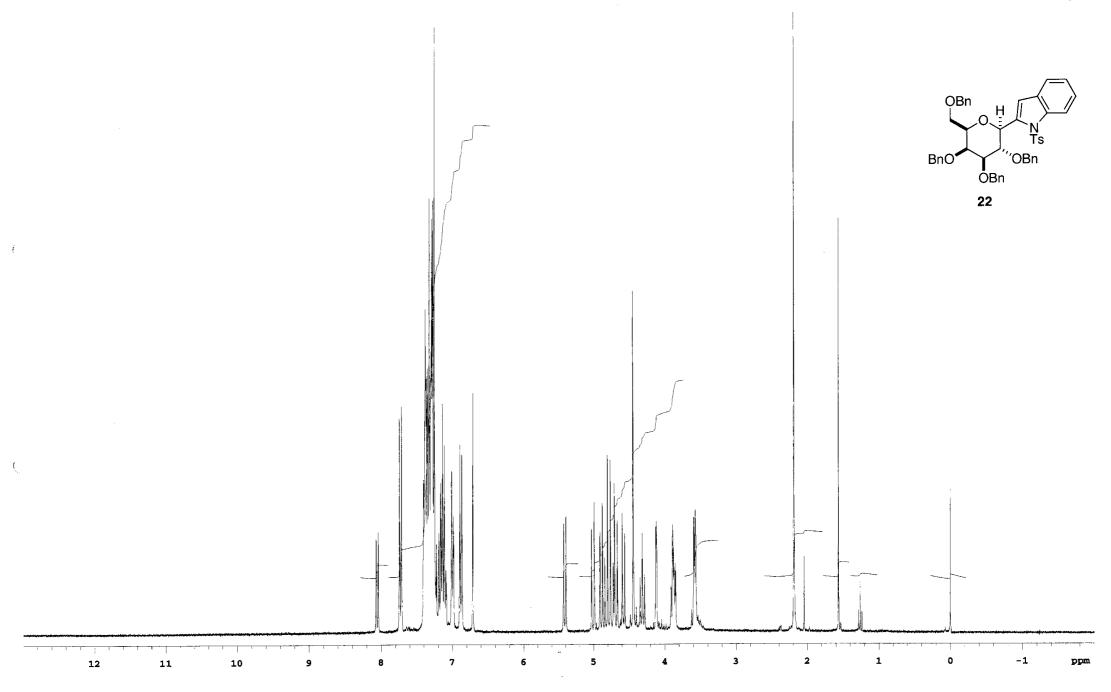


Solvent: CDC13
Ambient temperature
GEMINI-300 "varian"

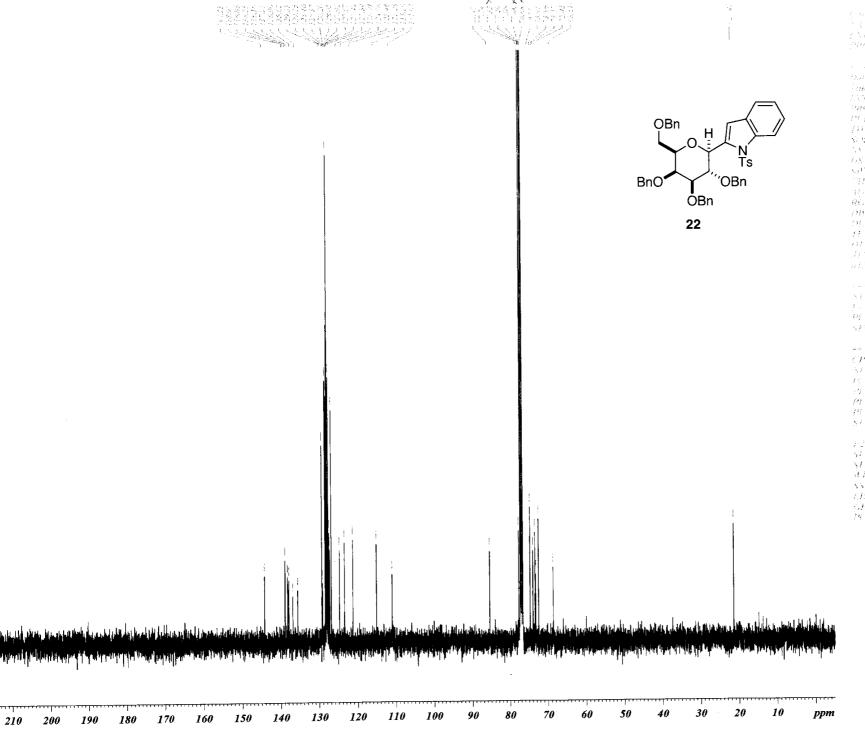
FULSE SEQUENCE
Pulse 35.0 degrees
Acq. time 1.637 sec
Width 18858.5 Hz
384 repetitions
OBSERVE C13. 75.4264075 MHz
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Power 30 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 2.0 Hz
FF size 65536
Total time 10 minutes

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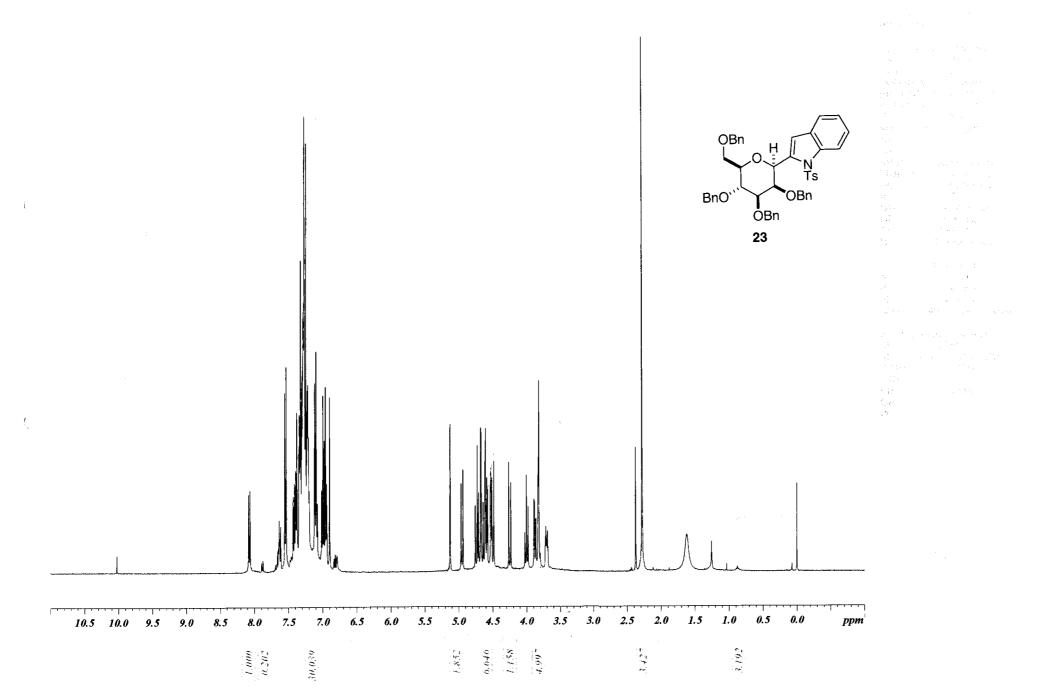


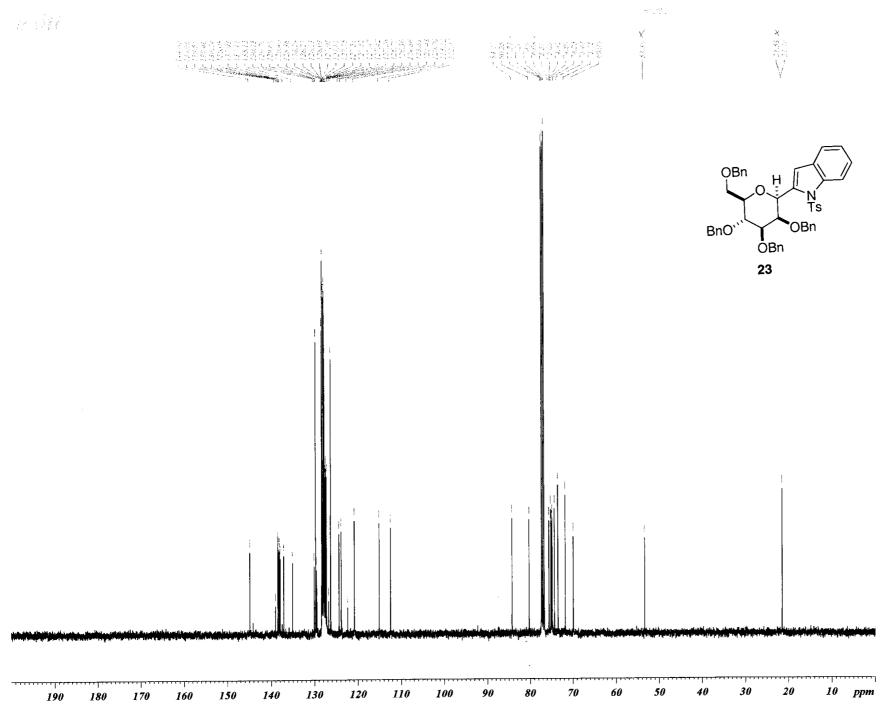


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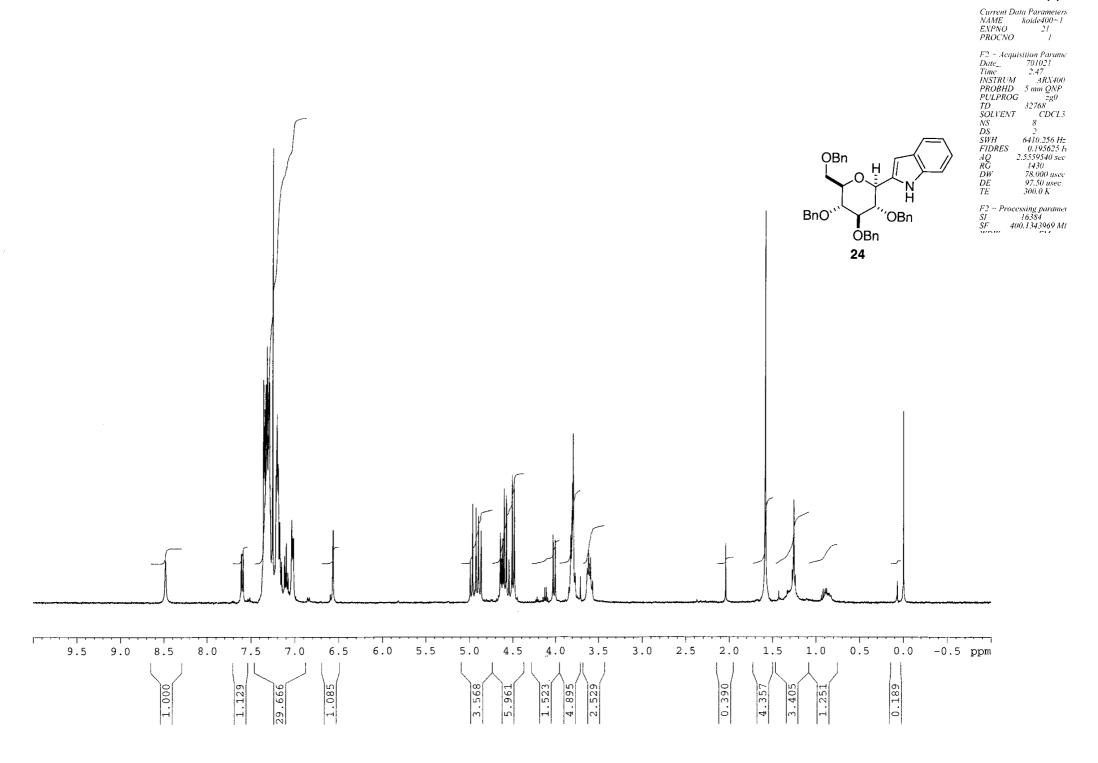


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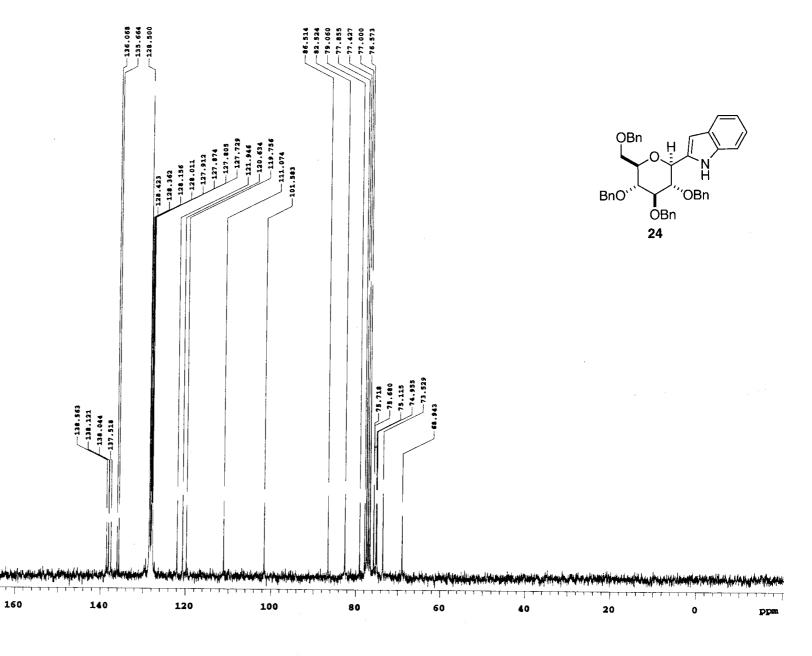
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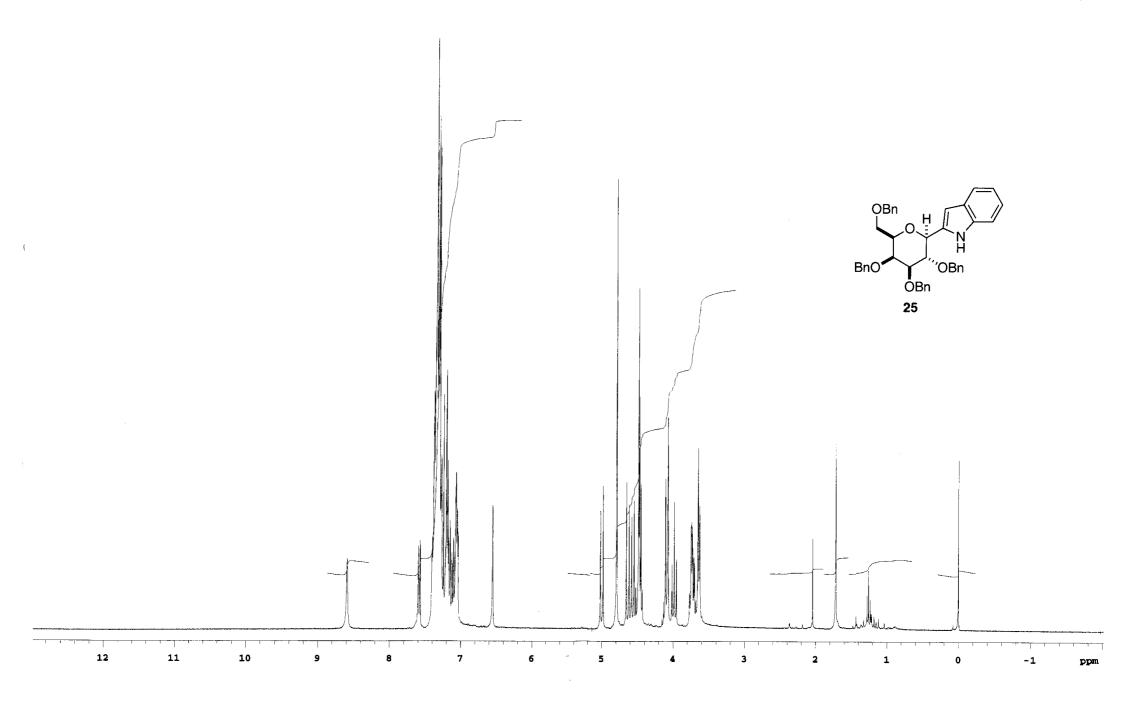
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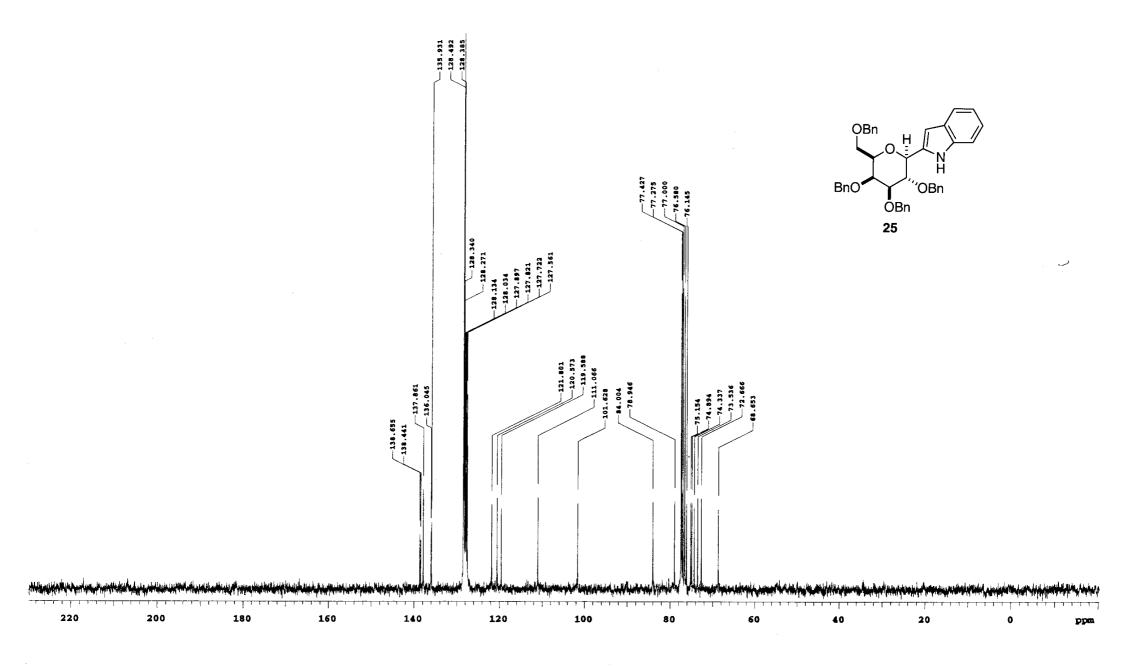


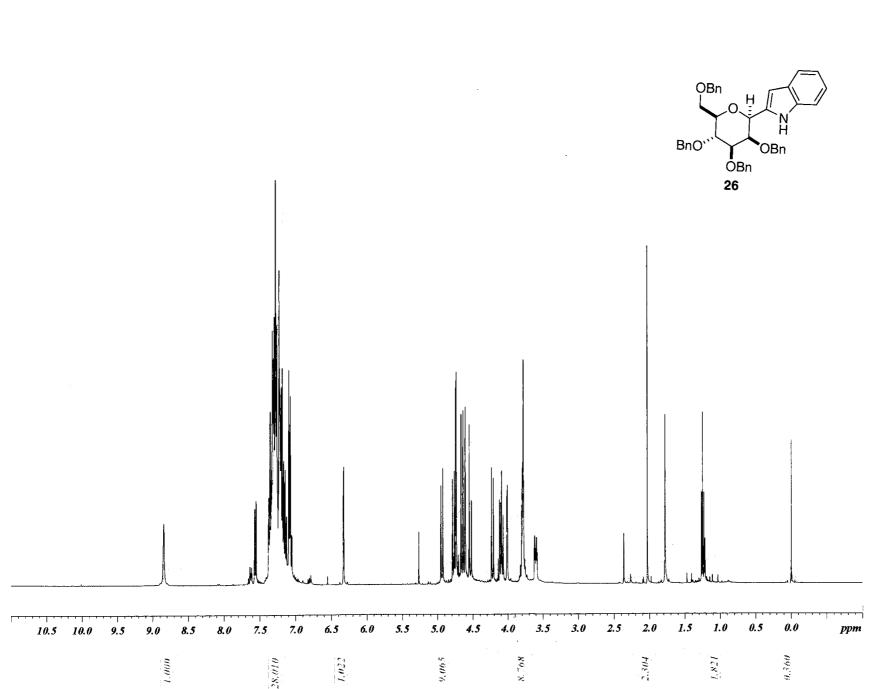
Solvent: CDCl3
Ambient temperature
GEMINI-300 "varian"

PULSE SEQUENCE
Pulse 35.0 degrees
Acq. time 1.697 sec
Width 18858.5 Hz
384 repetitions
OBSERVE C13, 75.4264086 MHz
DECOUPLE H1, 299.9672195 MMz
Power 30 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 2.0 Hz
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Total time 10 minutes









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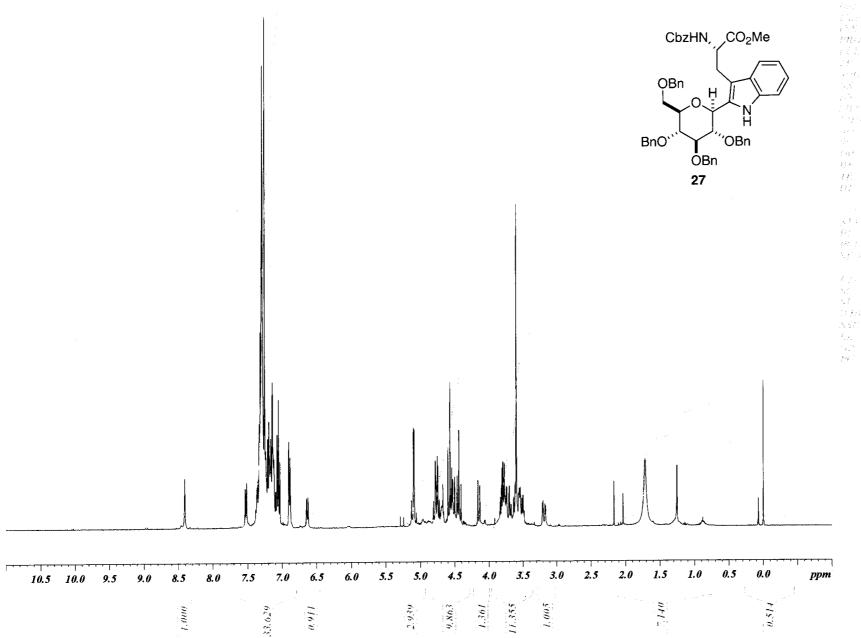
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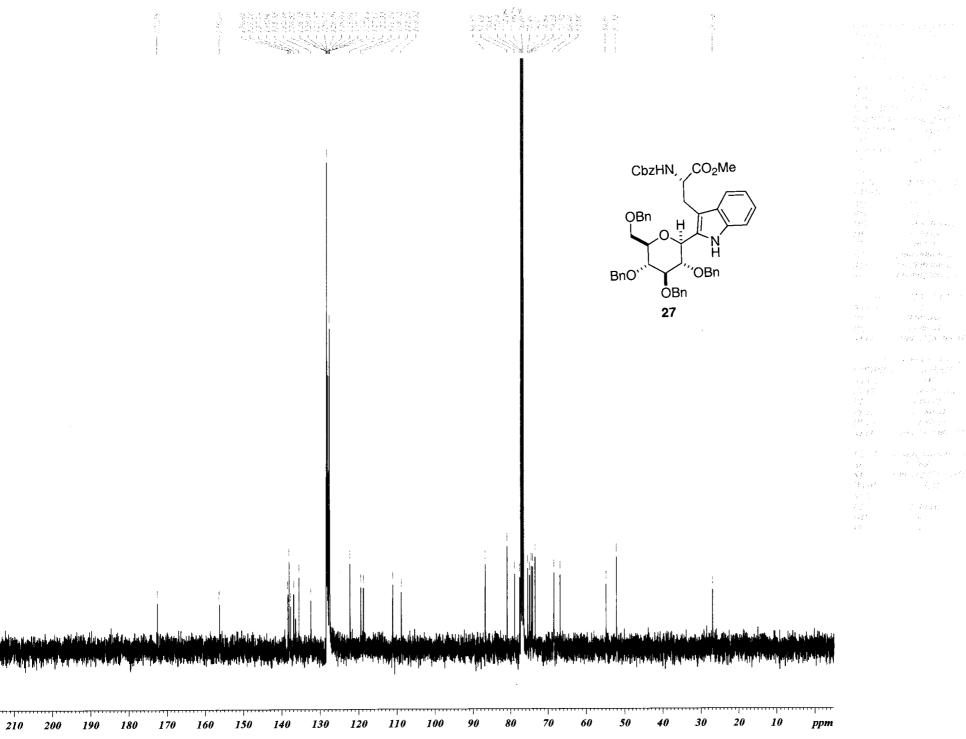
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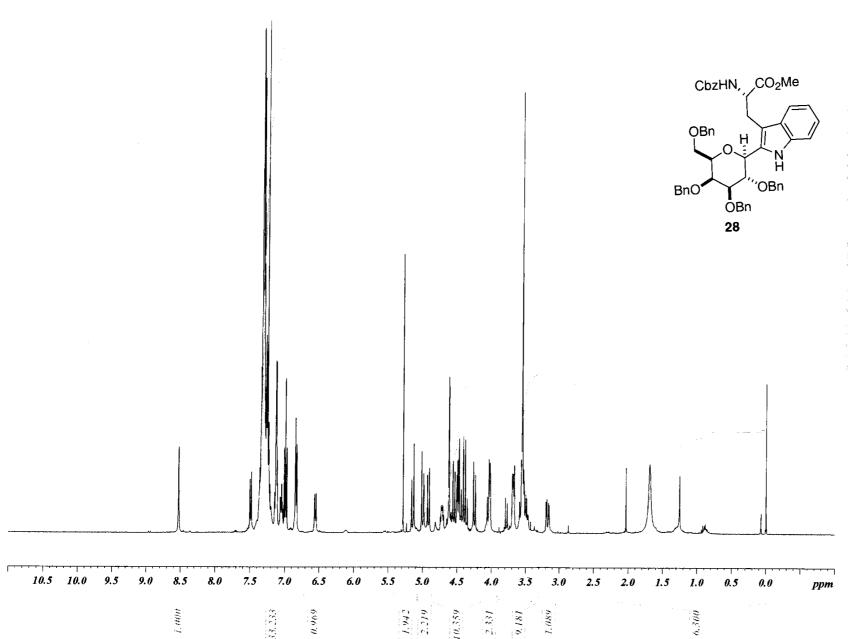
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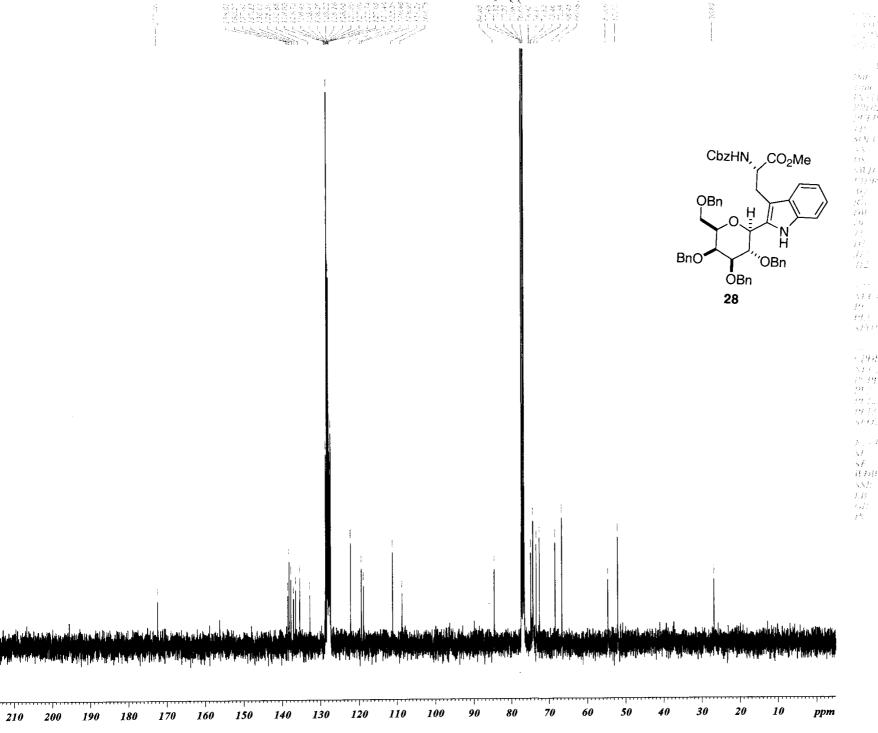
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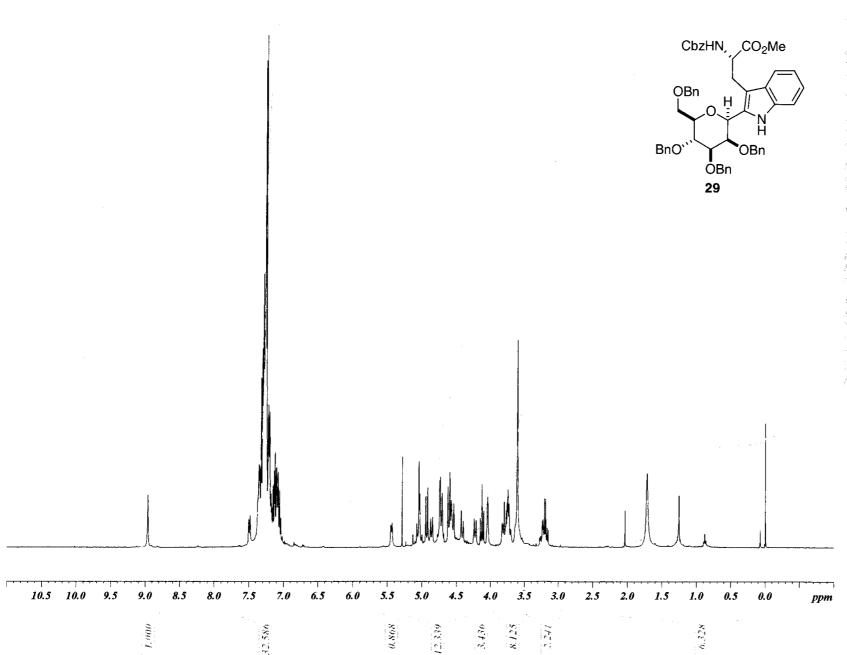
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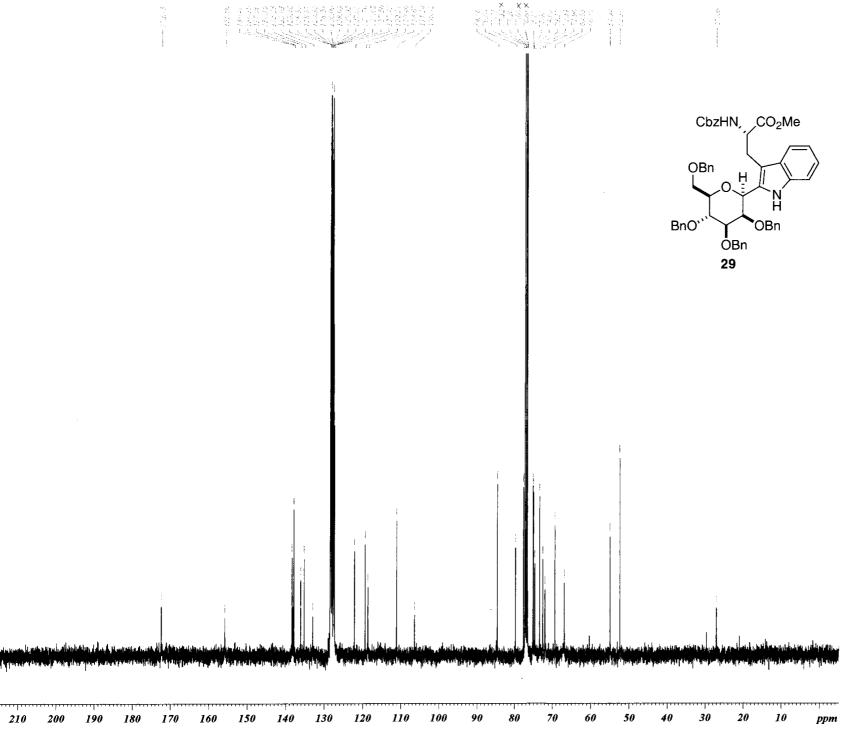
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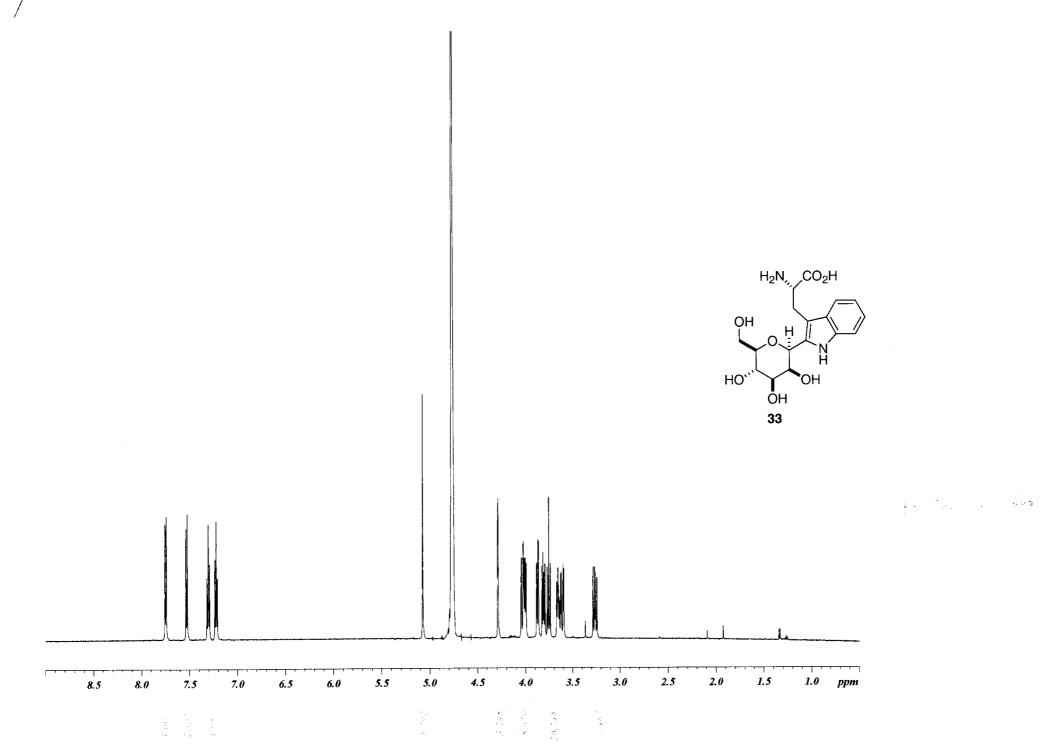
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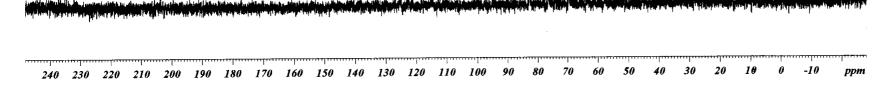
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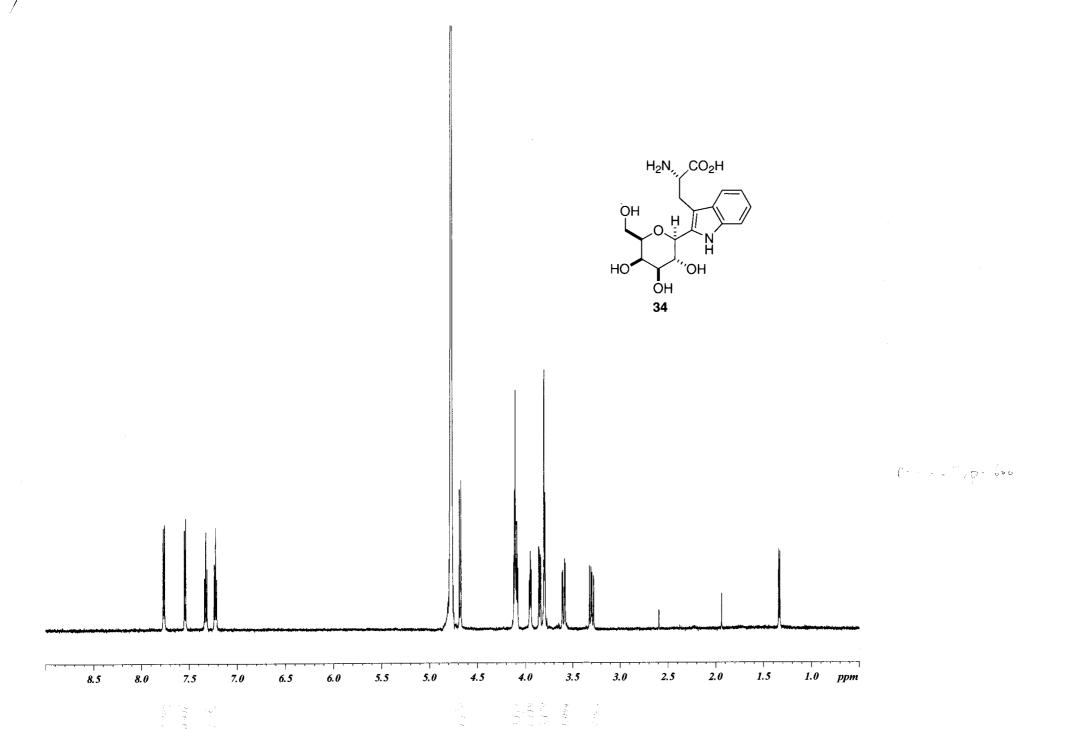
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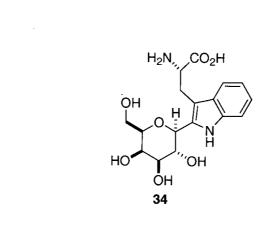






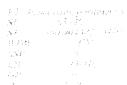


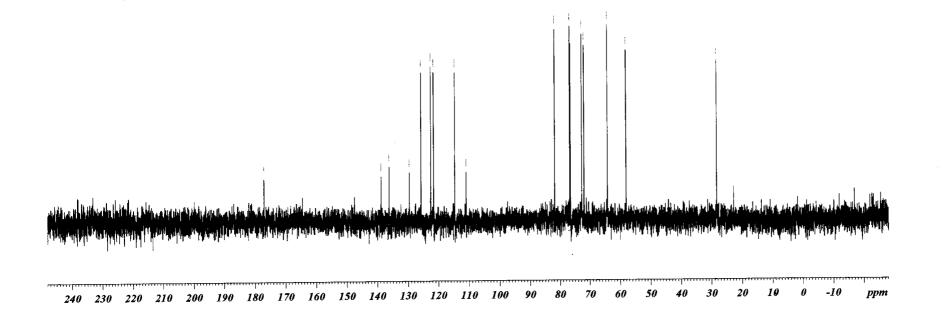




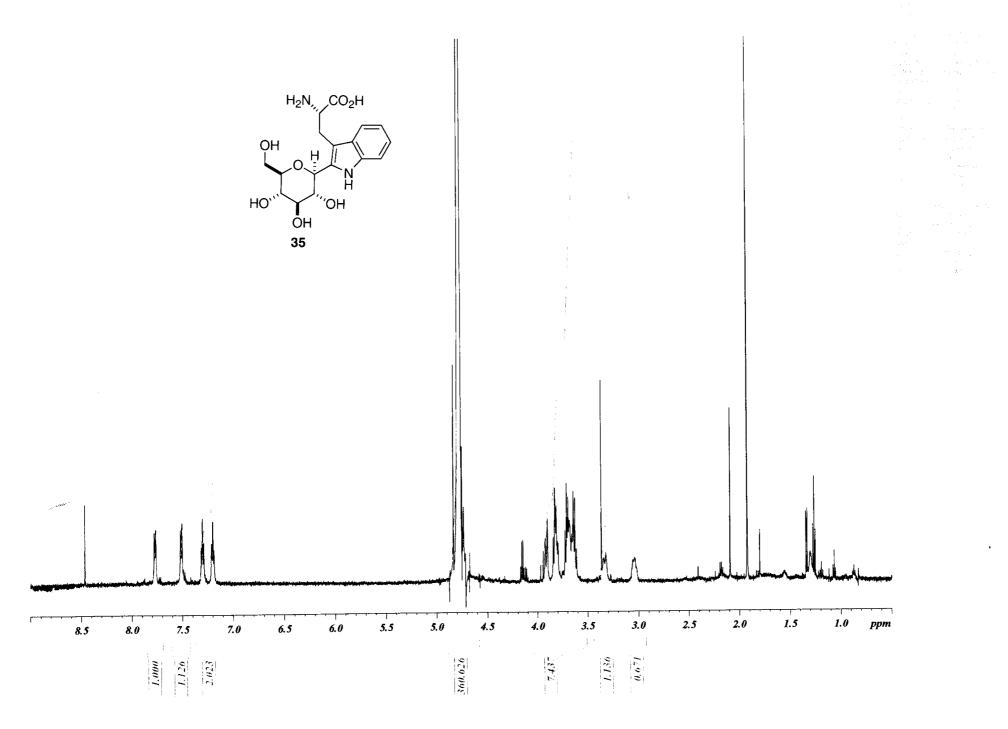


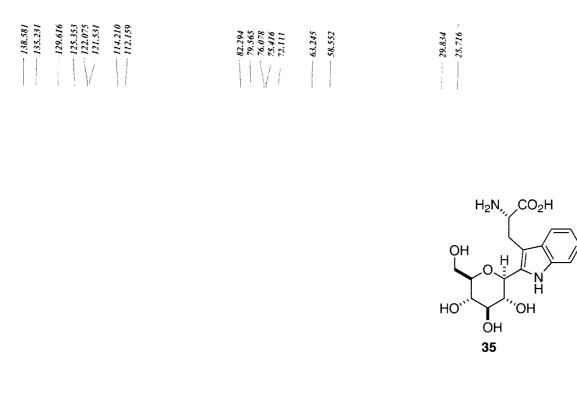


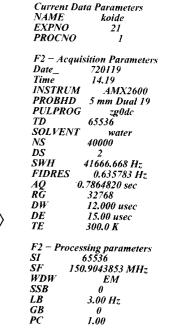




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