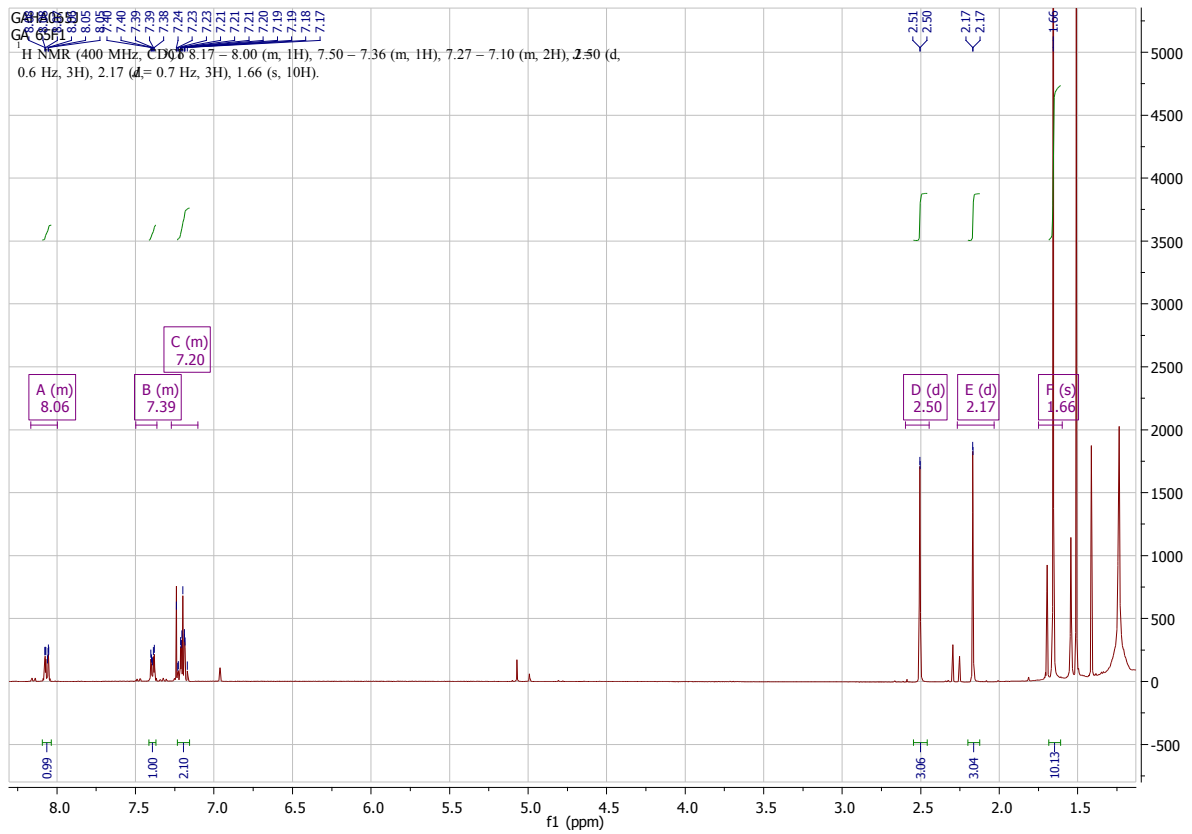
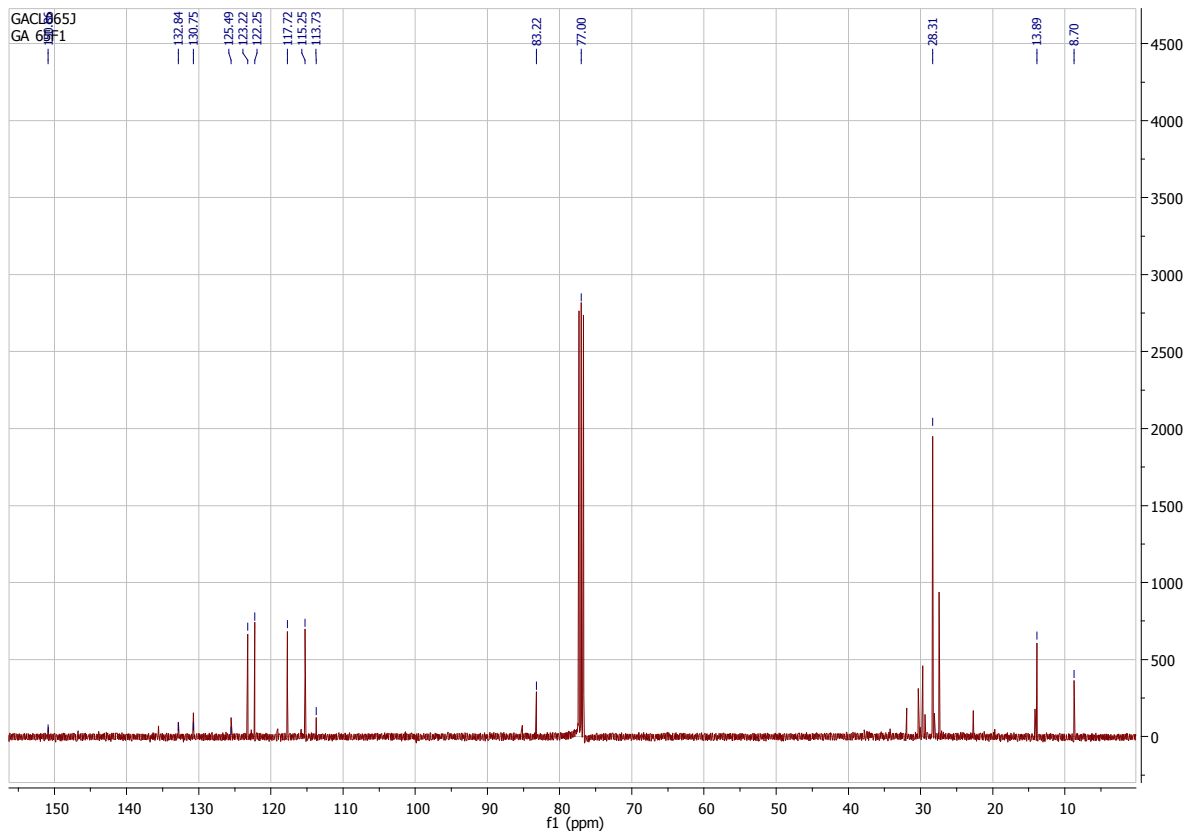


# Verbindung 111

## H-NMR

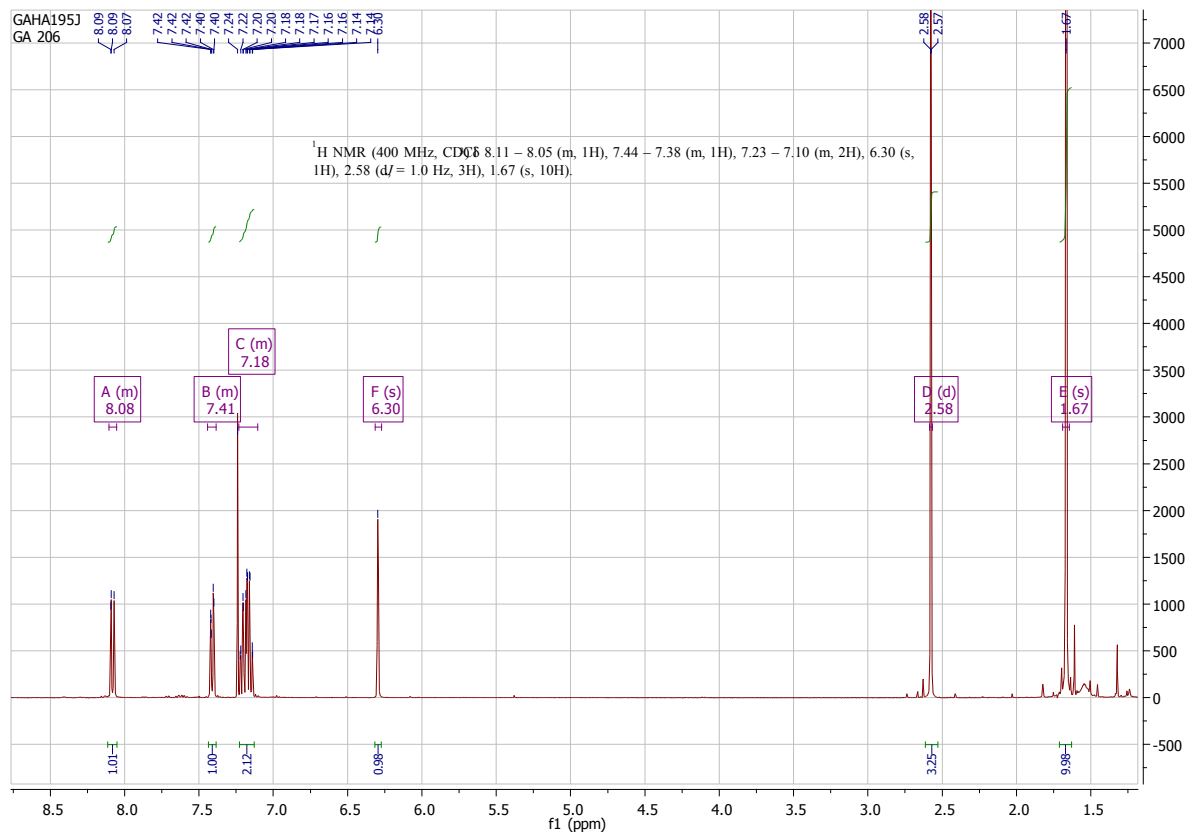


## C-NMR

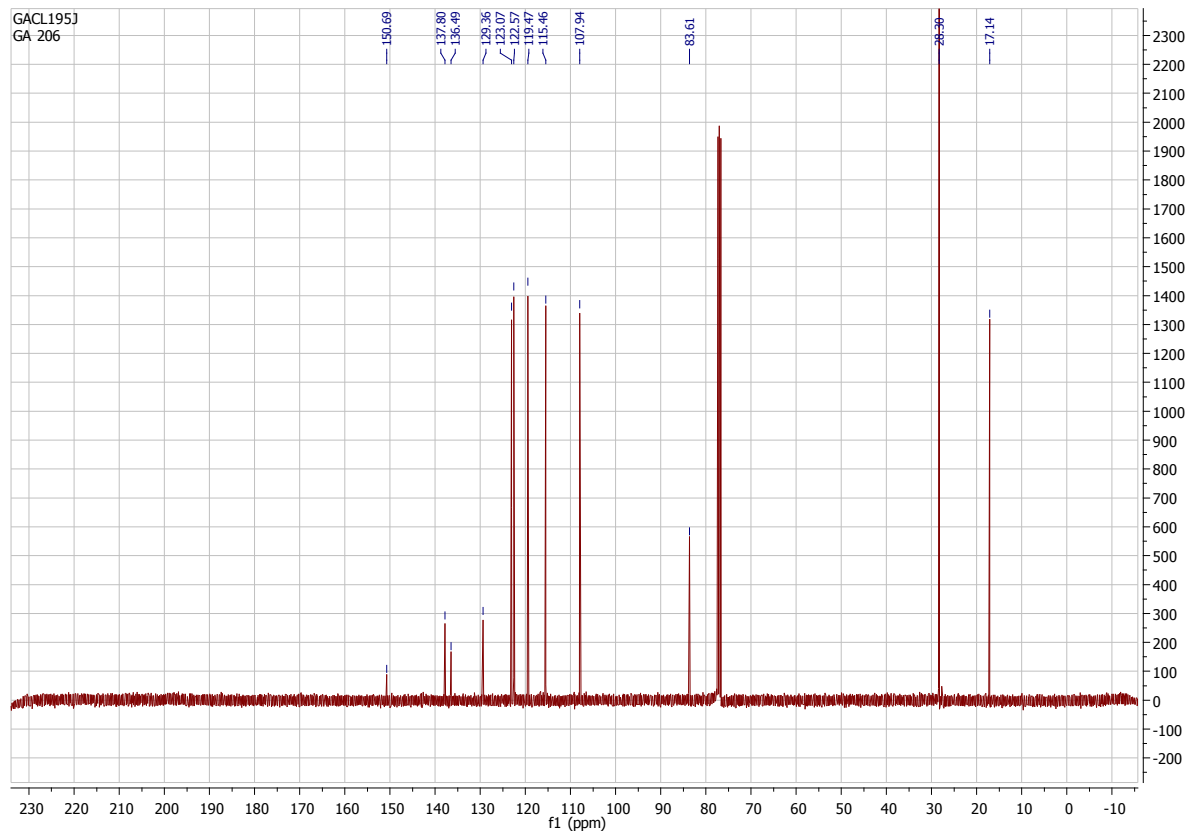


# Verbindung 109

## H-NMR

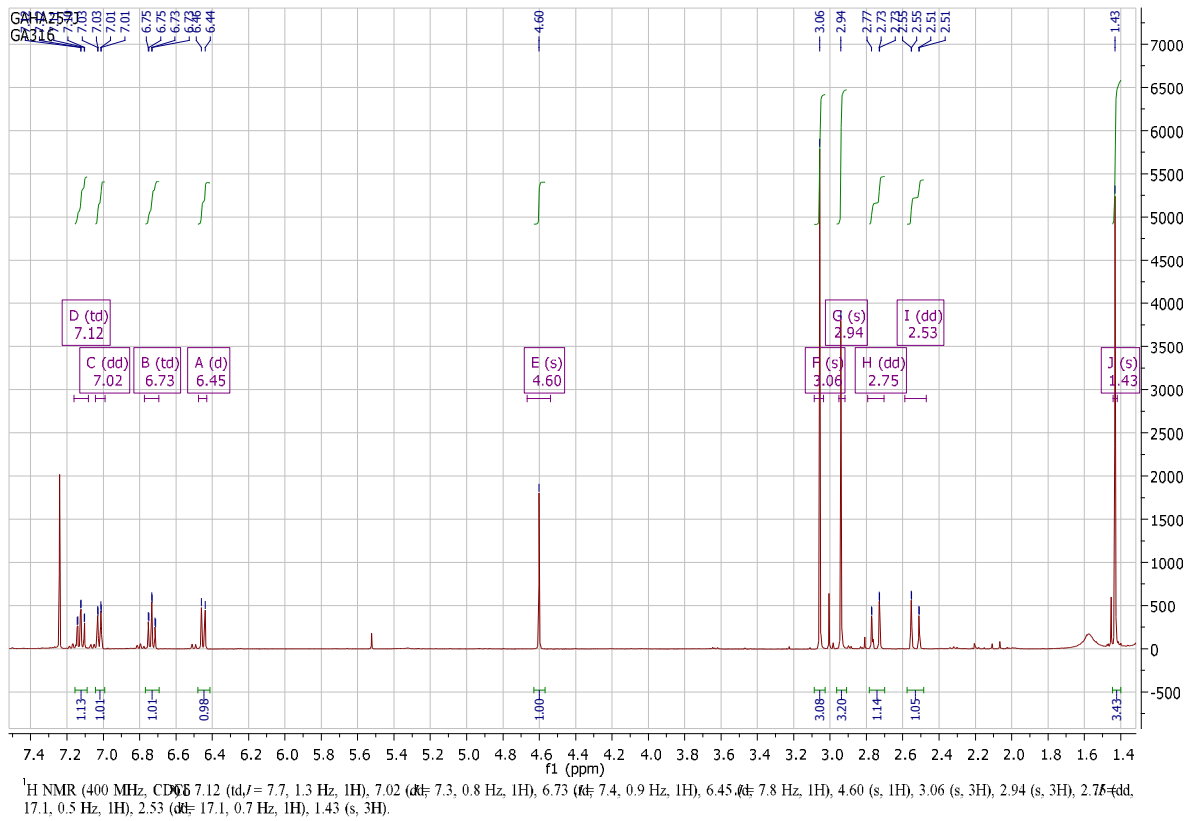


## C-NMR

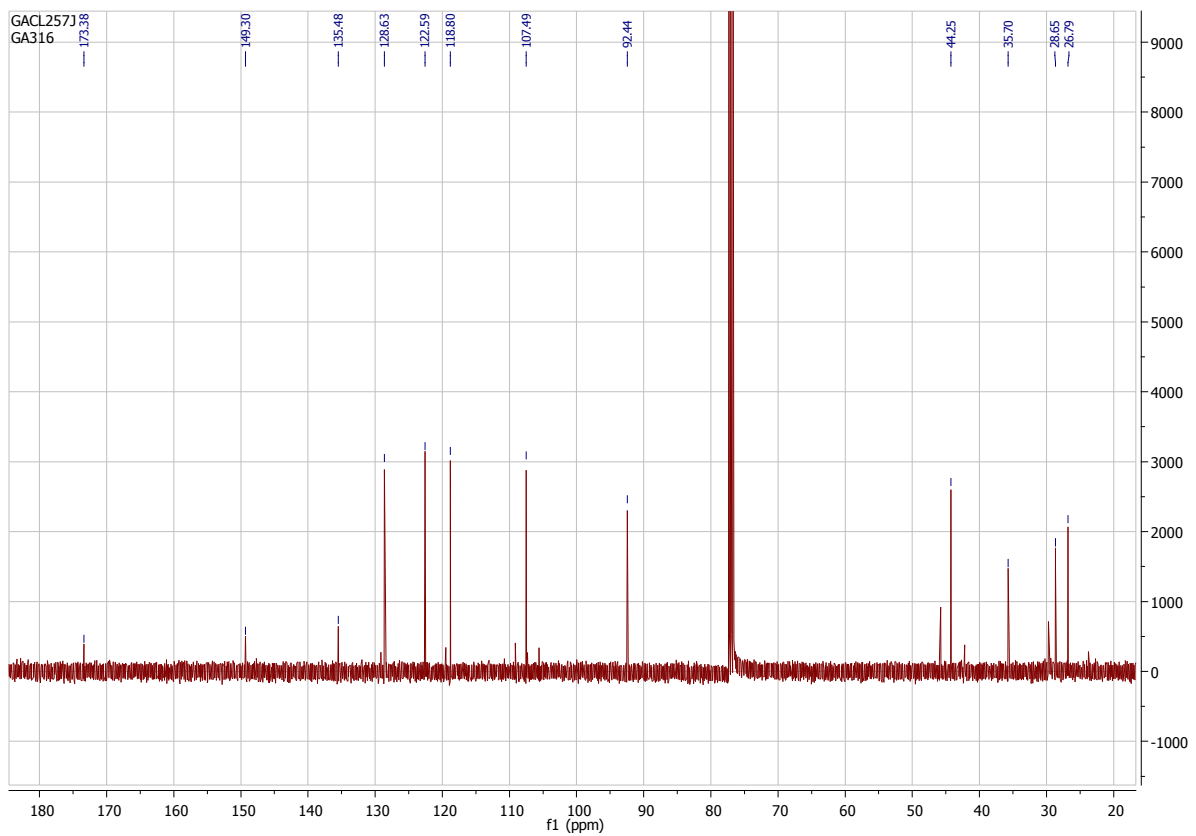


# Verbindung 123

## H-NMR

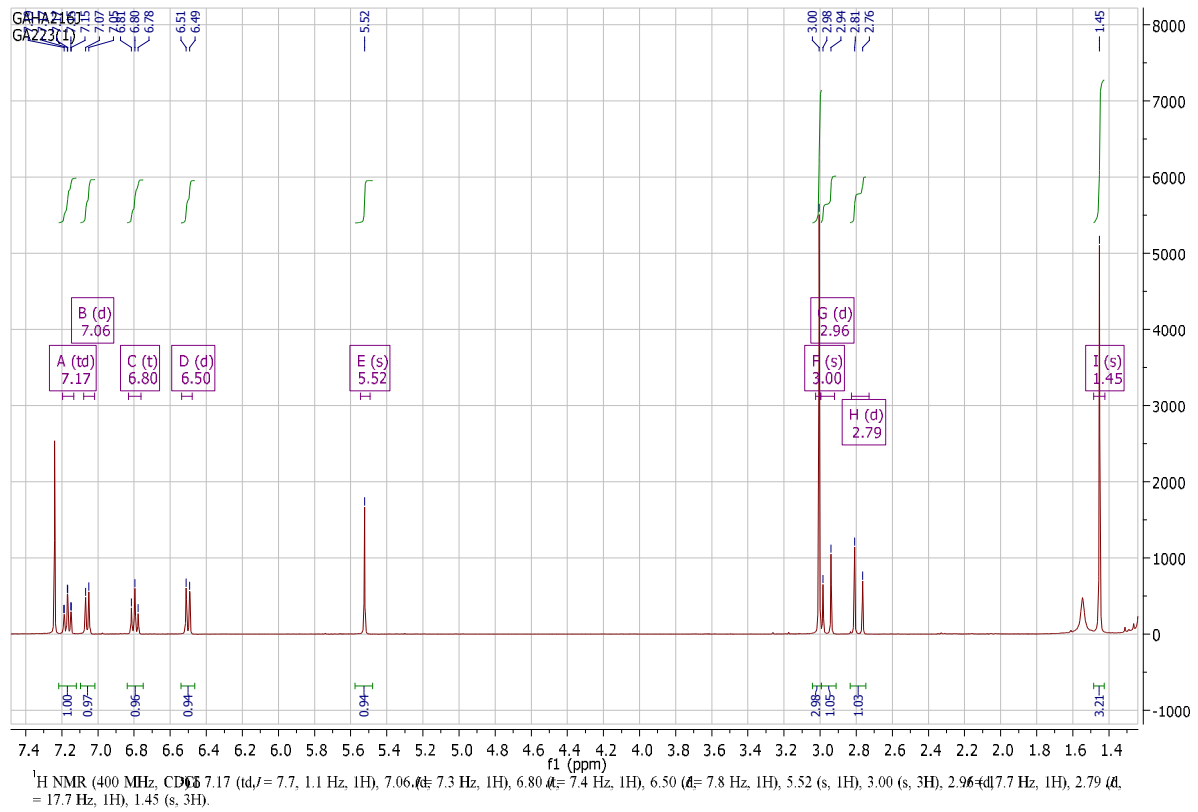


## C-NMR

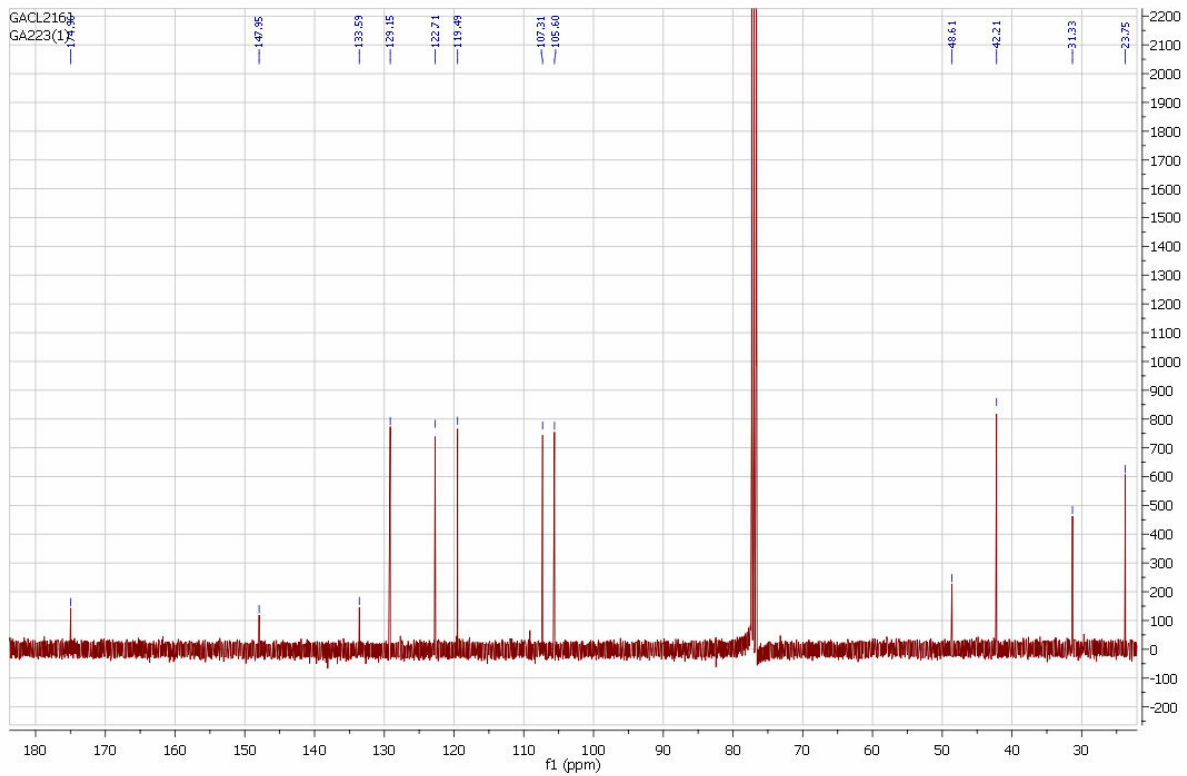


# Verbindung 122

## H-NMR

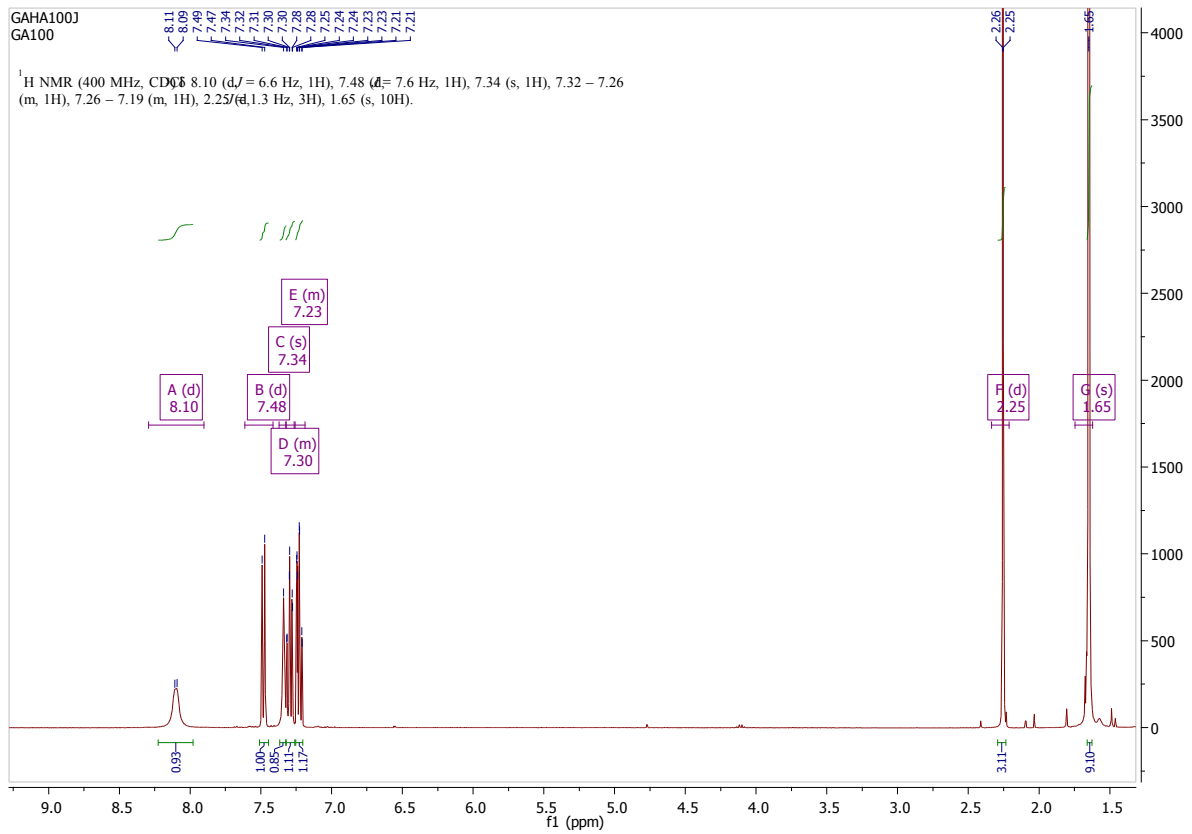


## C-NMR

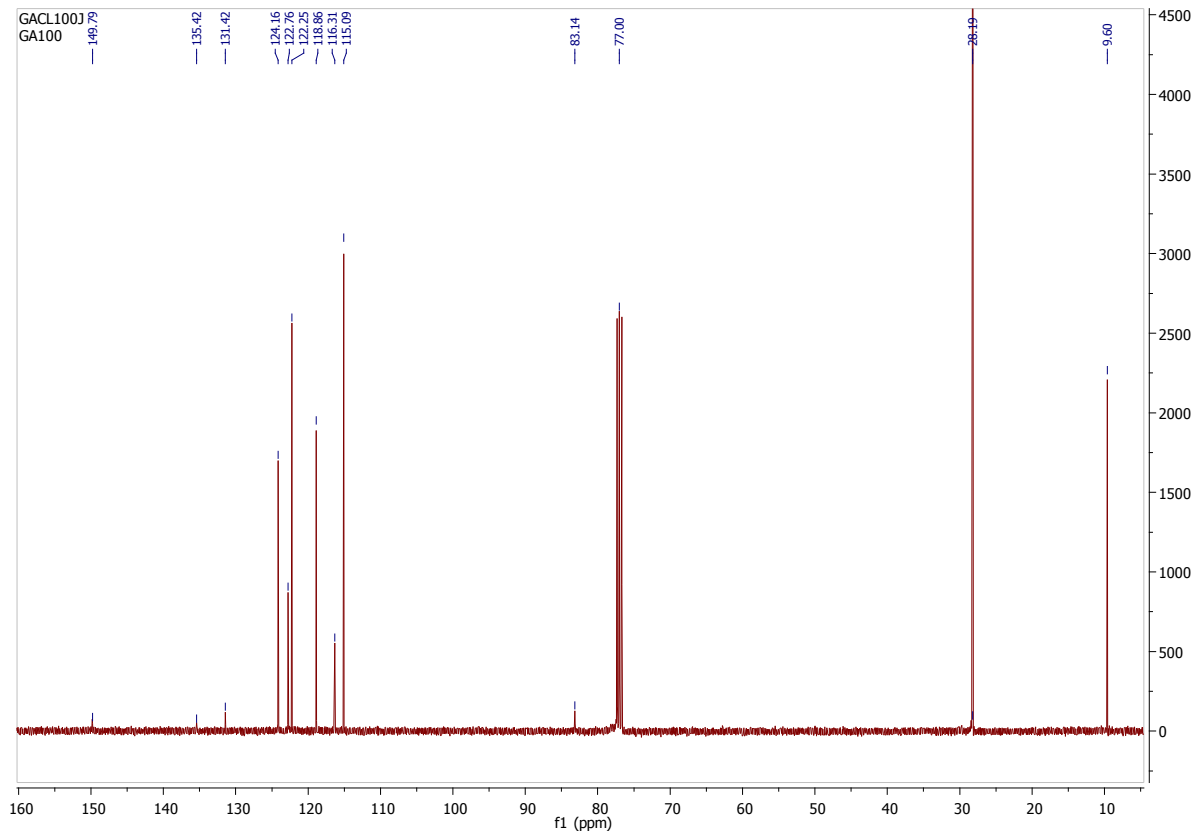


# Verbindung 99

## H-NMR

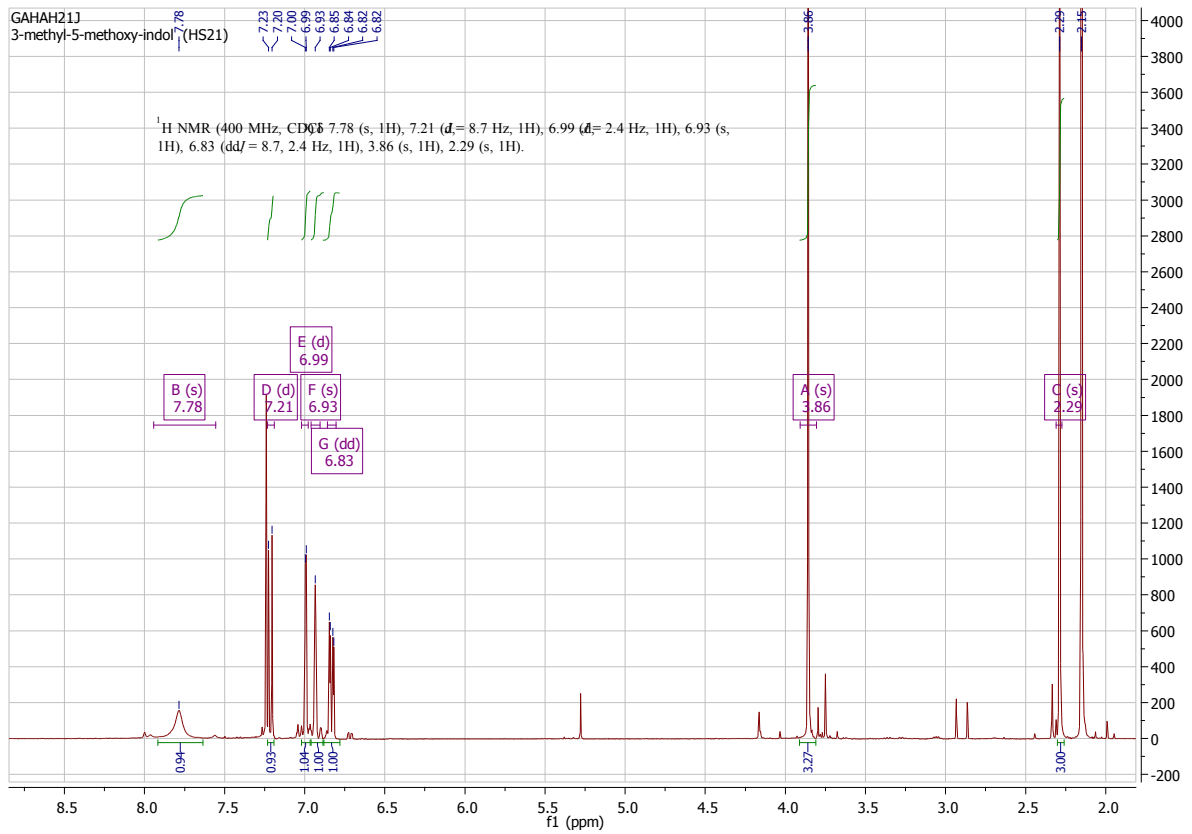


## C-NMR

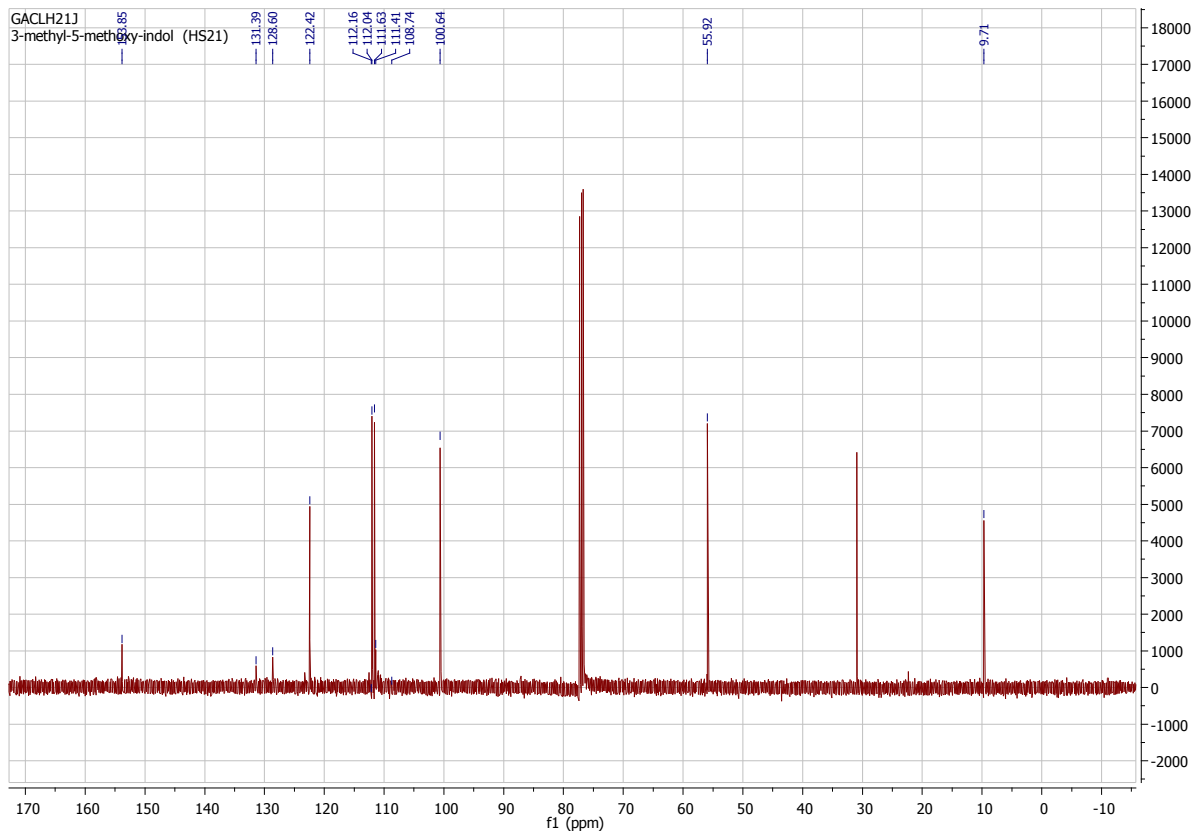


# Verbindung 115b

## H-NMR

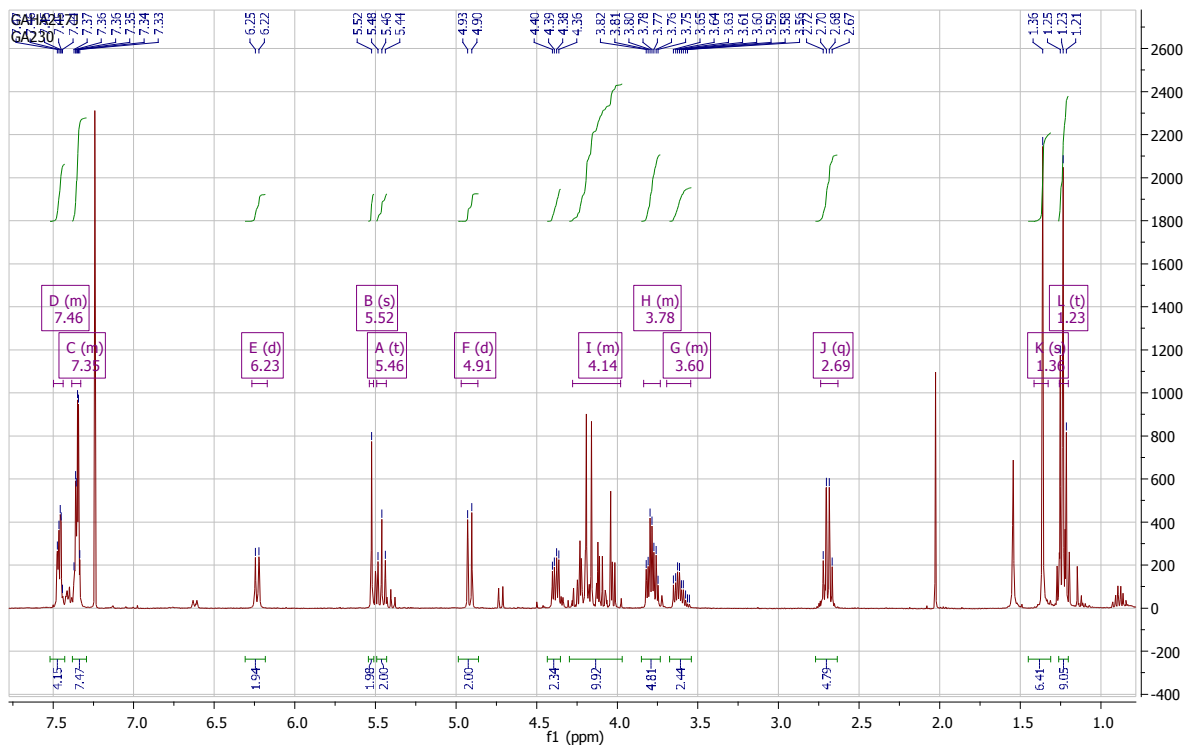


## C-NMR



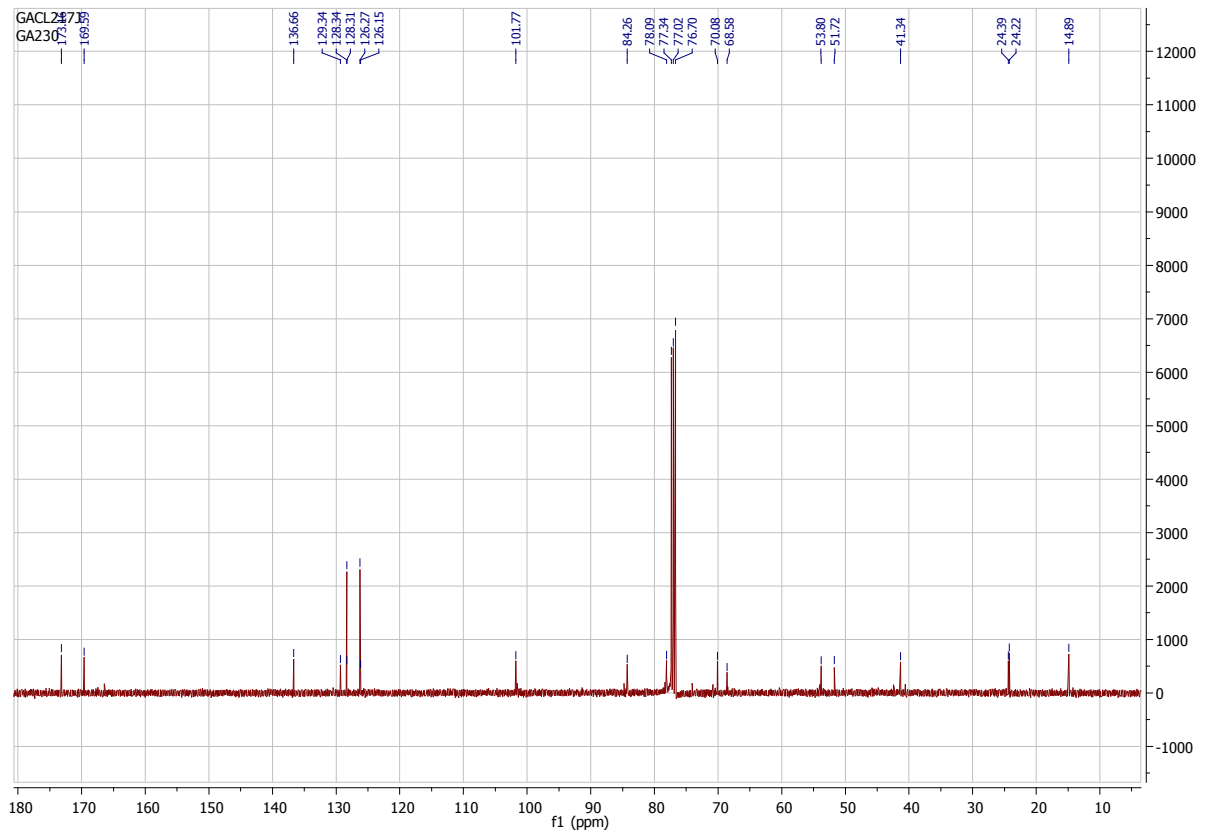
# Verbindung 86b

## H-NMR



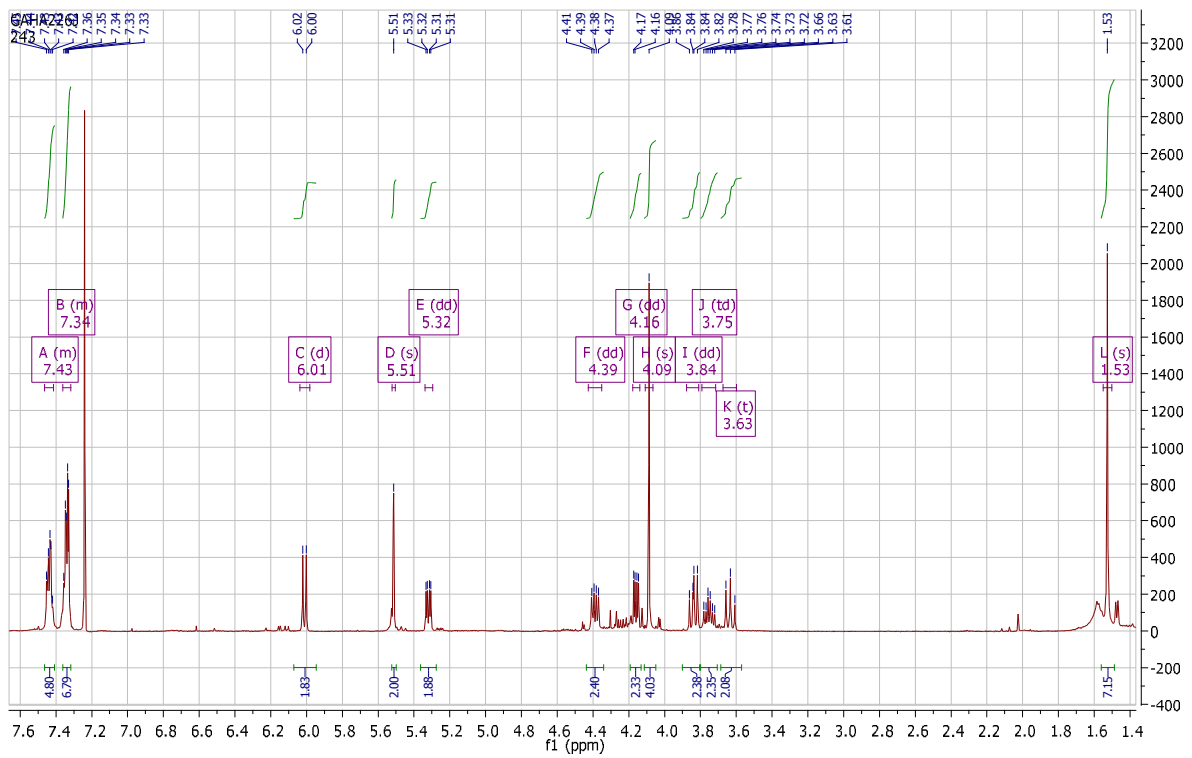
<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) 7.50 – 7.44 (m, 2H), 7.38 – 7.33 (m, 4H), 6.23 (d, 1H), 5.52 (s, 1H), 5.46 (t, 9.3 Hz, 1H), 4.91 (d, 10.6 Hz, 1H), 4.28 – 3.98 (m, 5H), 3.84 – 3.73 (m, 2H), 3.69 – 3.54 (m, 1H), 2.69 (q, 7.5 Hz, 2H), 1.36 (s, 3H), 1.23 (t, 7.5 Hz, 5H).

## C-NMR



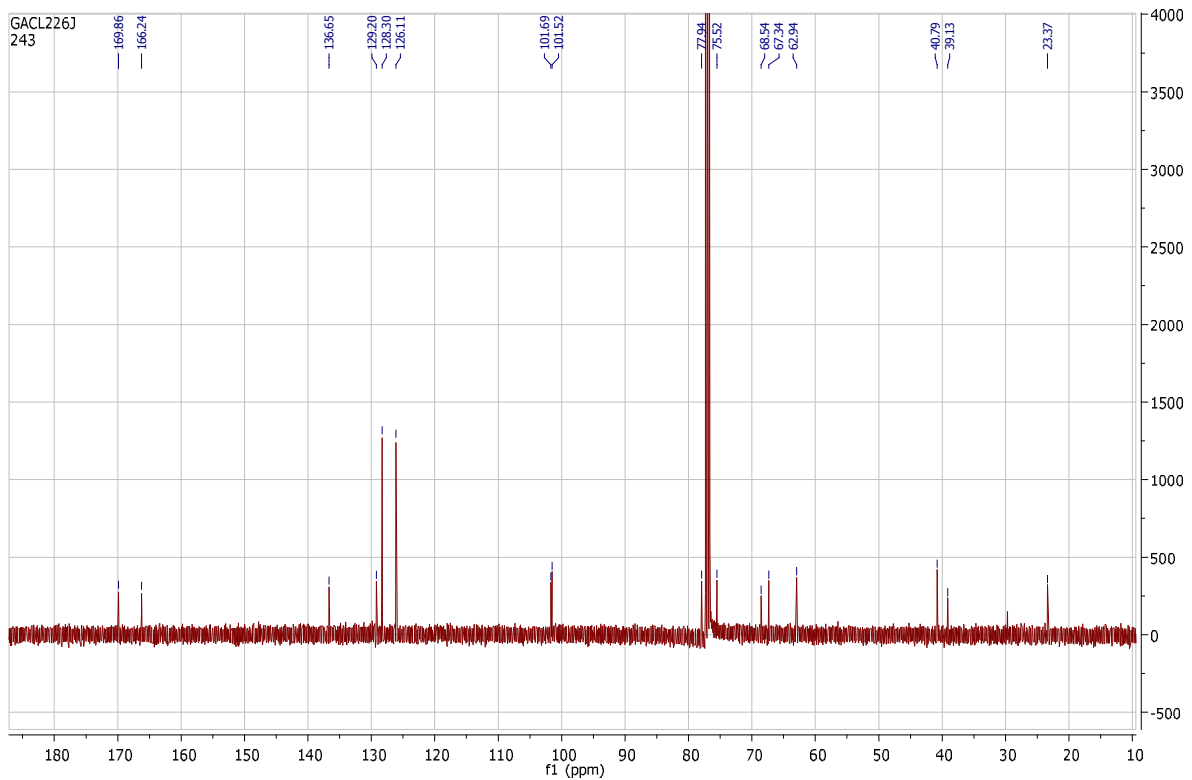
# Verbindung 61b

## H-NMR



<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) 7.46 – 7.41 (m, 1H), 7.36 – 7.32 (m, 1H), 6.01 (d, 3 Hz, 1H), 5.51 (s, 1H), 5.32 (dd, 7.6, 3.2 Hz, 1H), 4.39 (dd, 10.2, 5.0 Hz, 1H), 4.16 (dd, 7.4, 3.2 Hz, 1H), 4.09 (s, 1H), 3.84 (dd, 9.8, 7.7 Hz, 1H), 3.75 (td, 9.6, 5.0 Hz, 1H), 3.63 (t, 10.0 Hz, 1H), 1.53 (s, 1H).

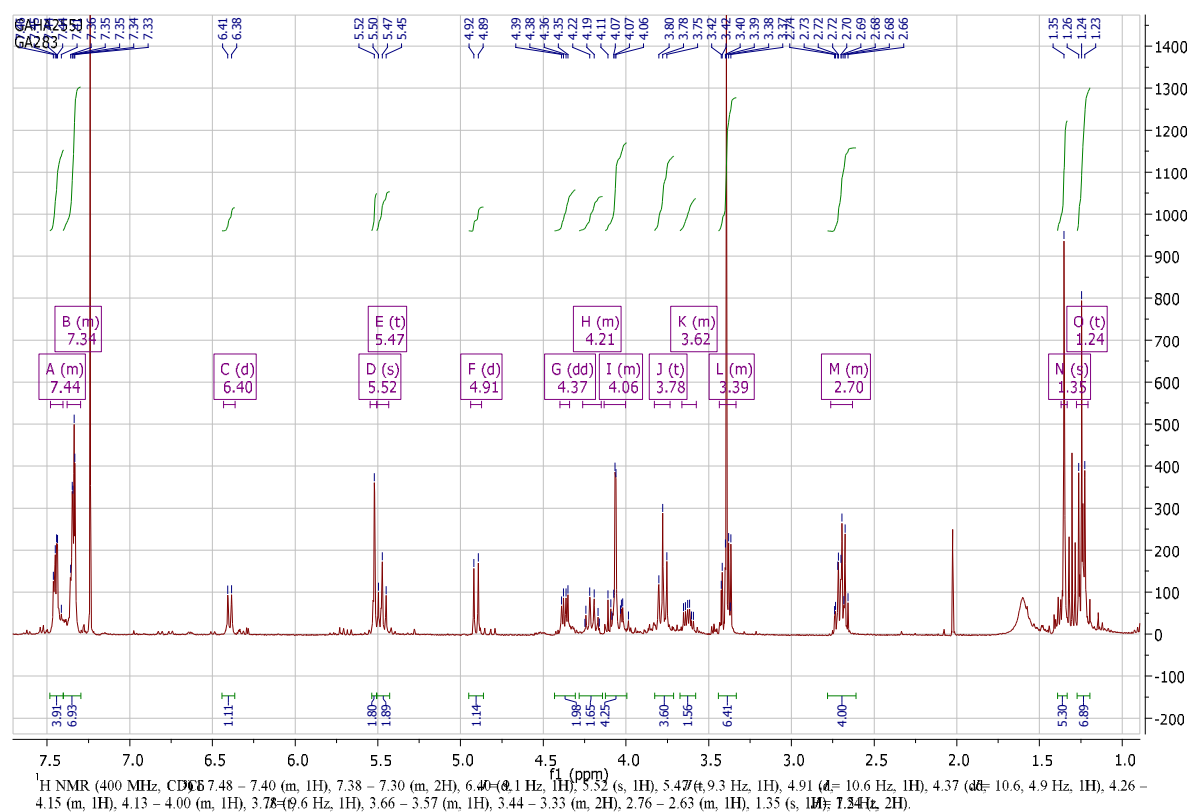
## C-NMR



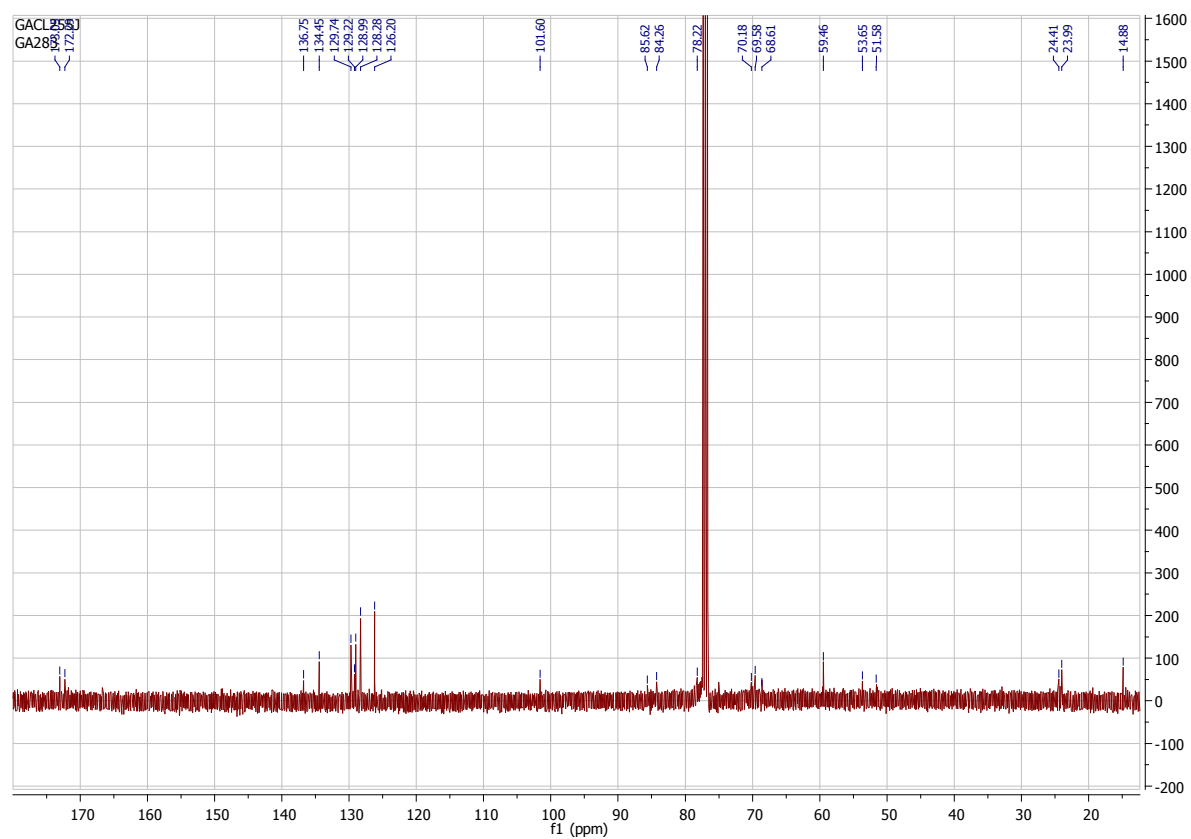


# Verbindung 86a

## H-NMR

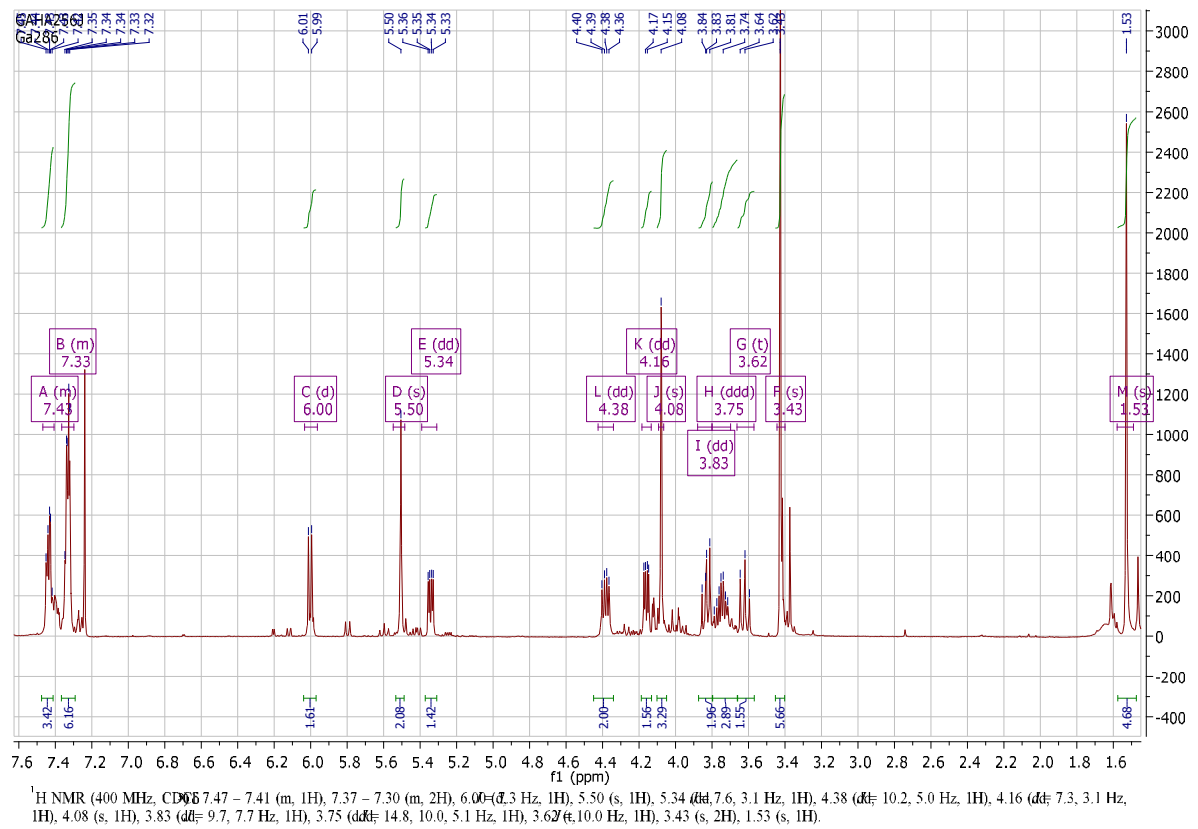


## C-NMR

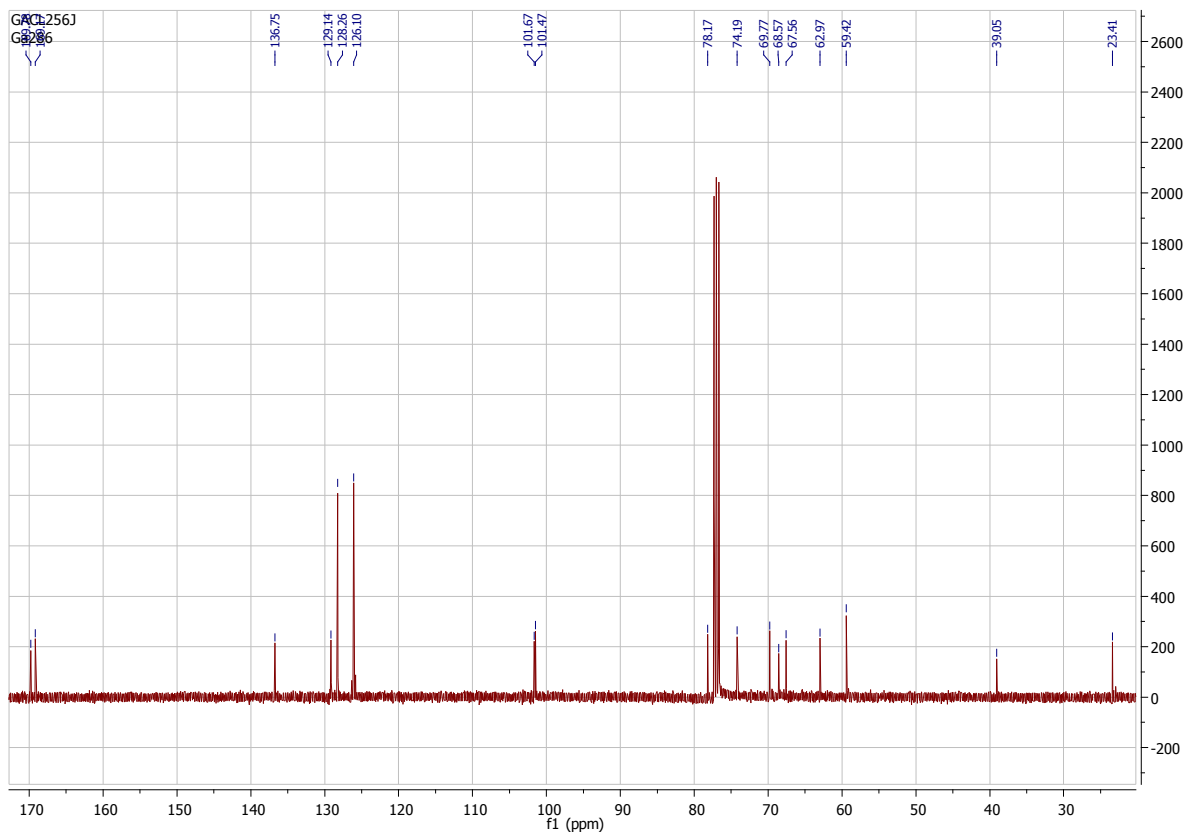


# Verbindung 61a

## H-NMR

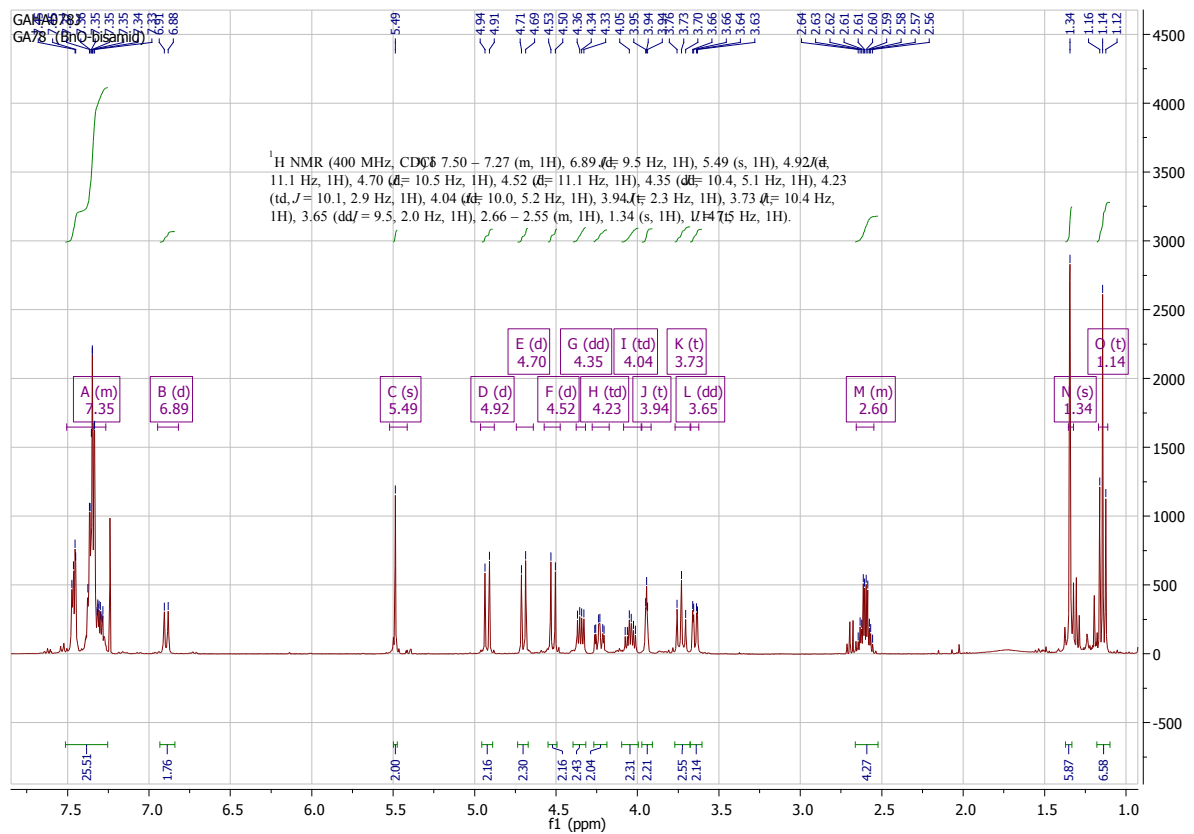


## C-NMR

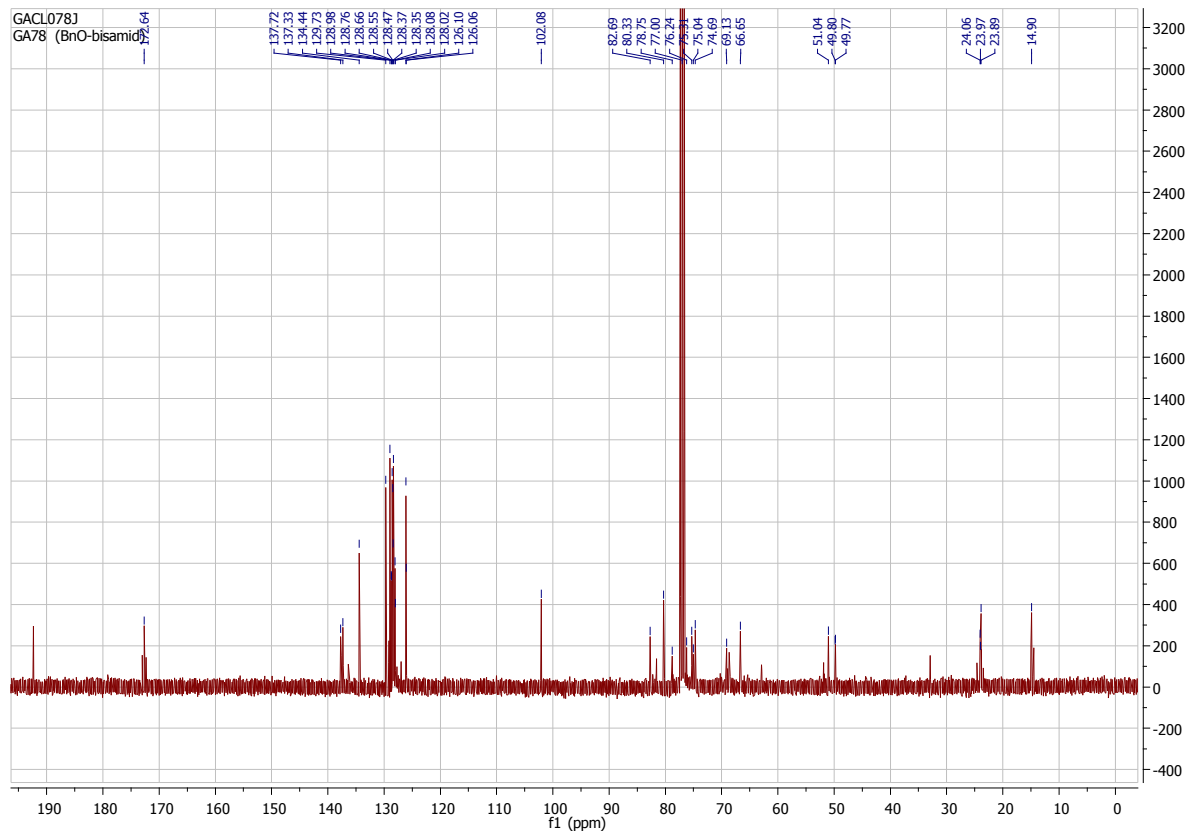


# Verbindung 76e

## H-NMR

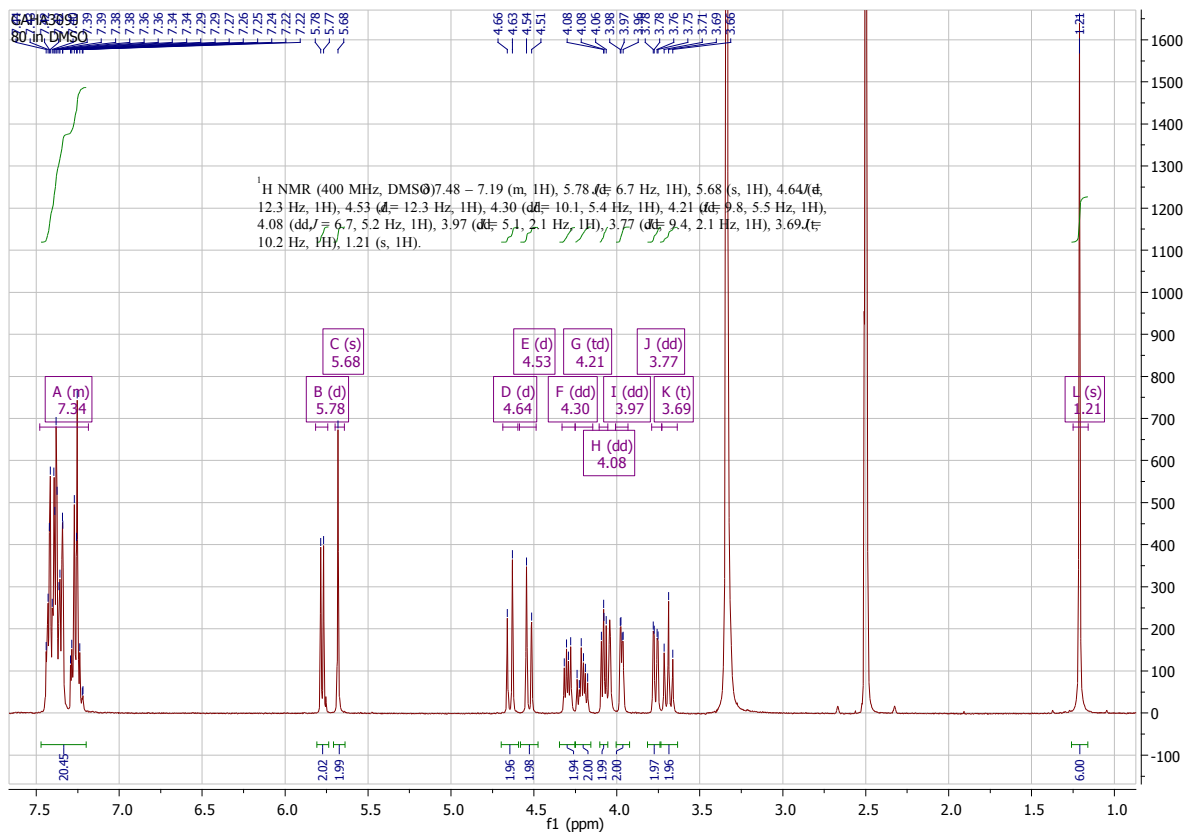


## C-NMR

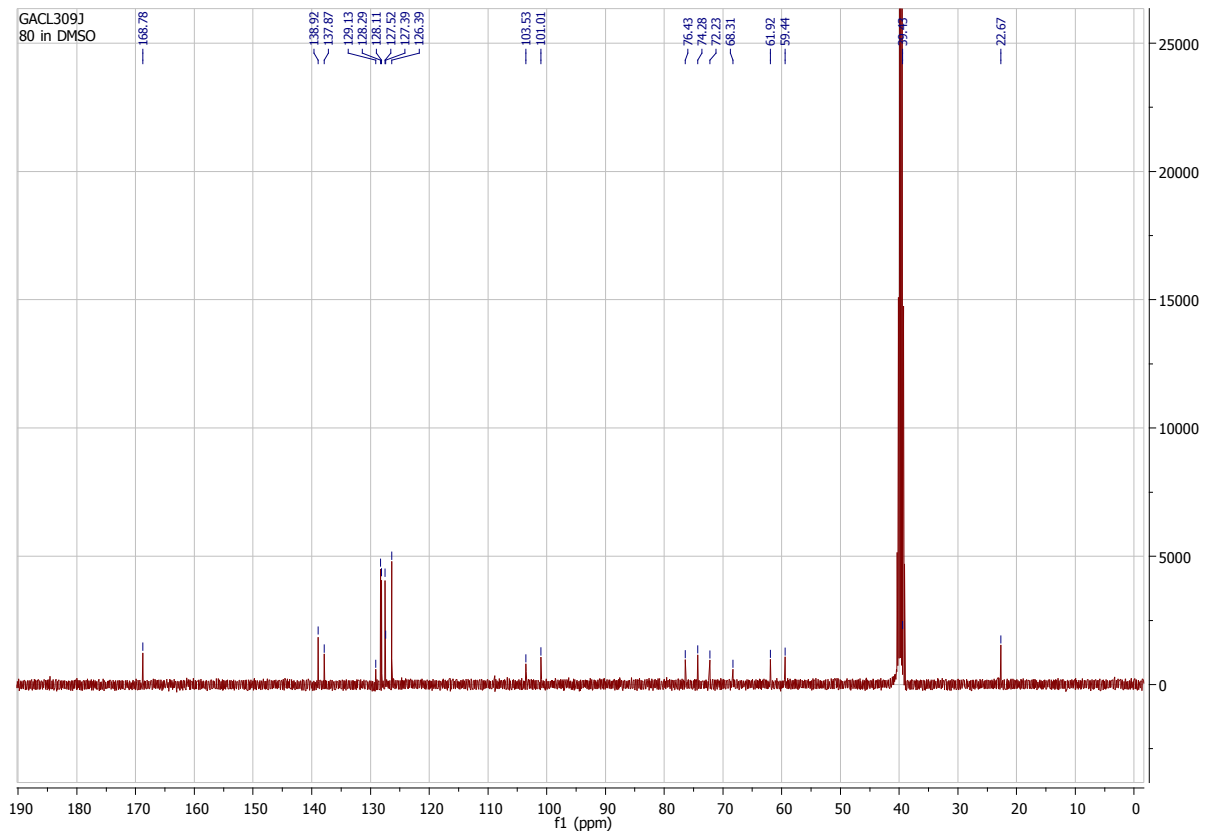


# Verbindung 83d

## H-NMR

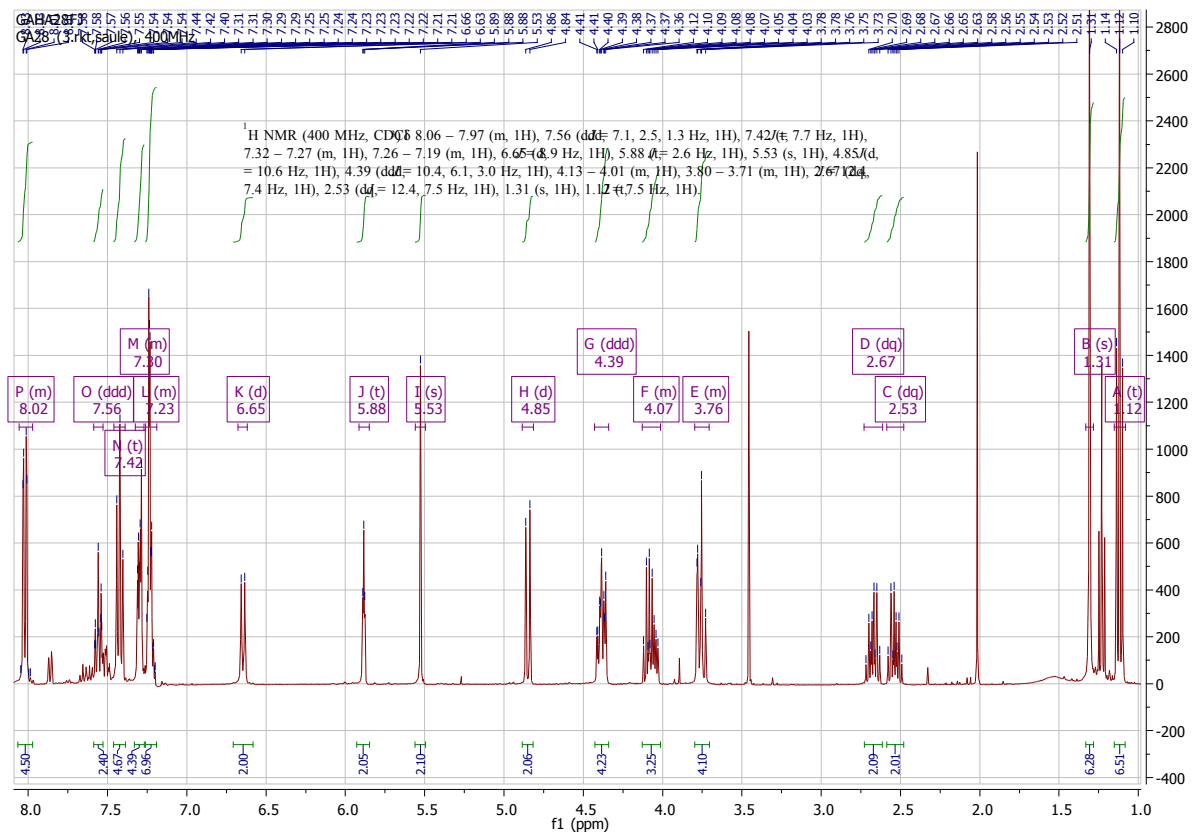


## C-NMR

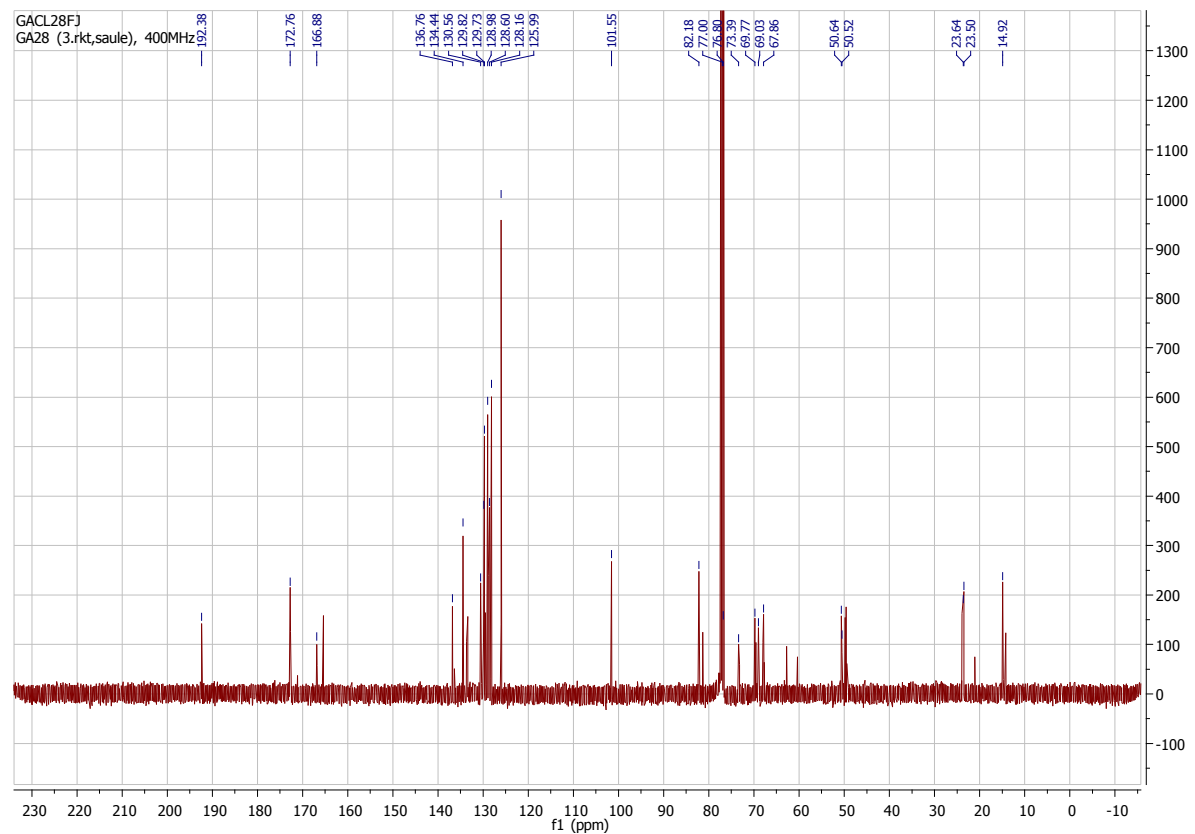


# Verbindung 76 b

## H-NMR

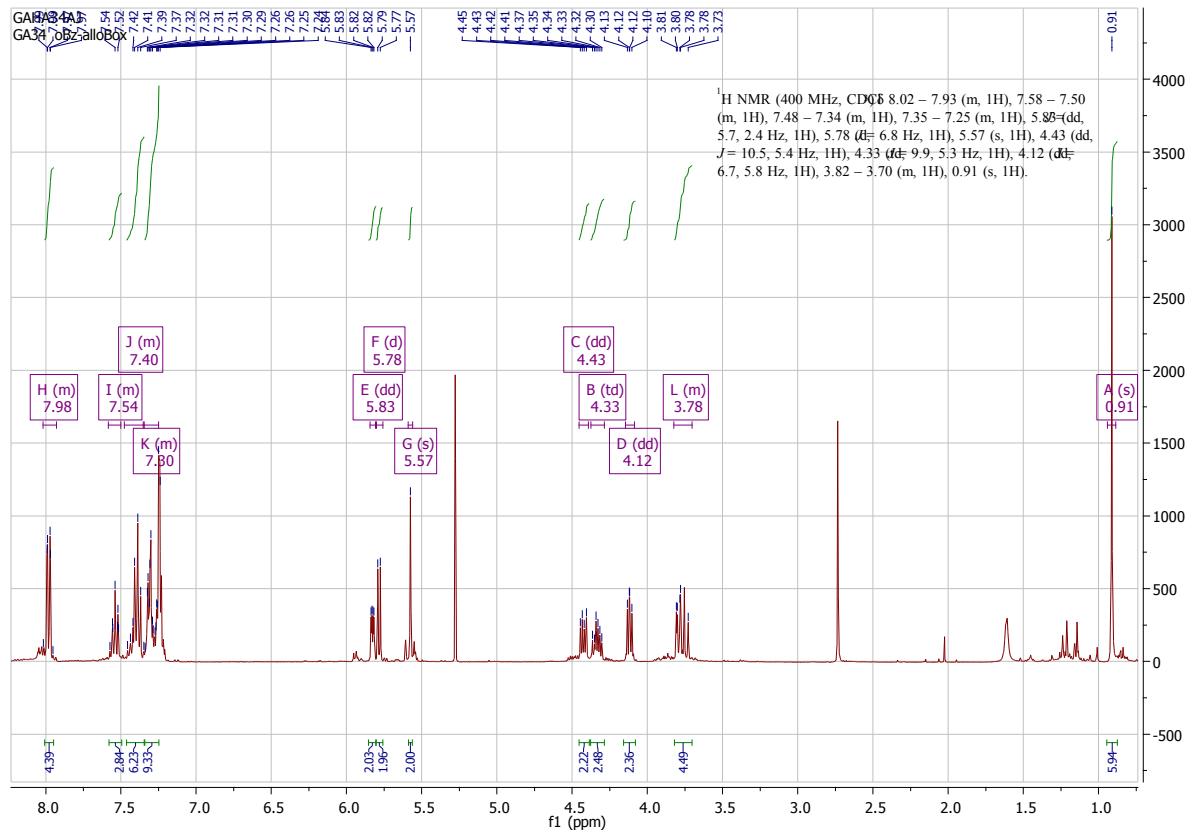


## C-NMR

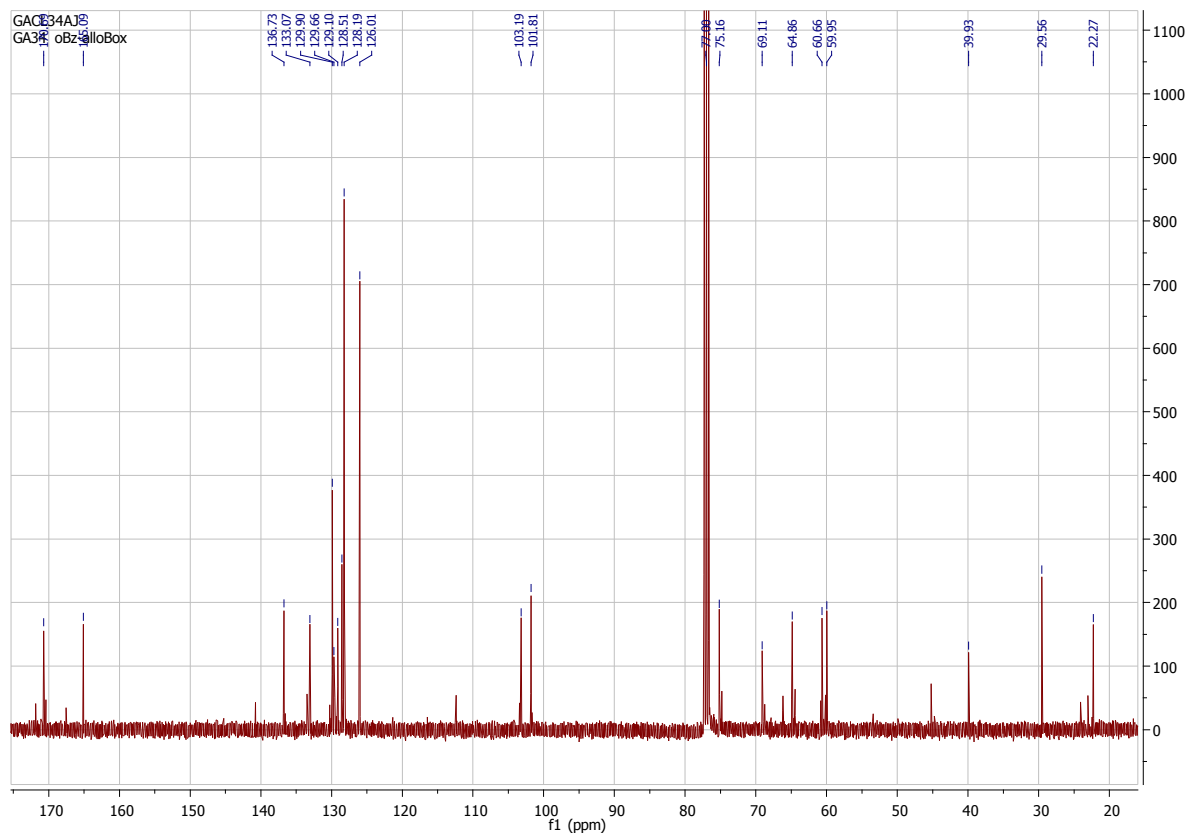


# Verbindung 83b

## H-NMR

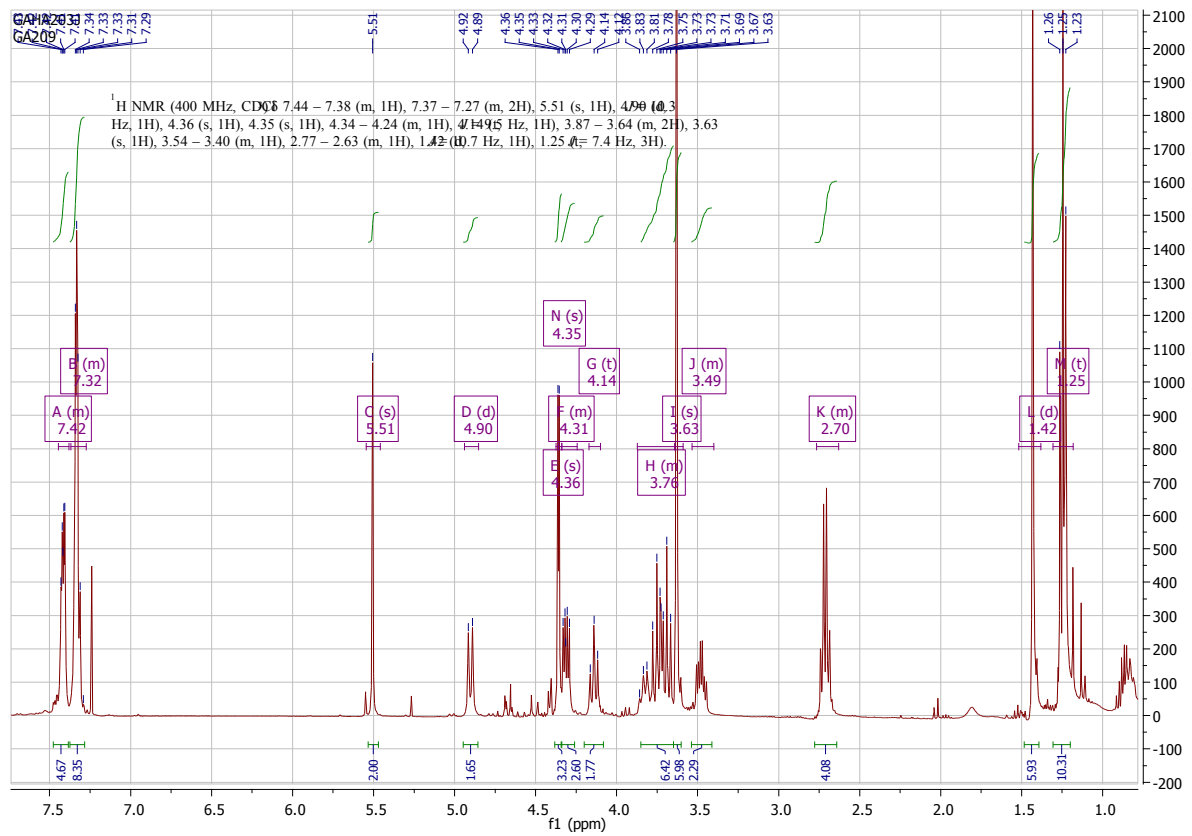


## C-NMR

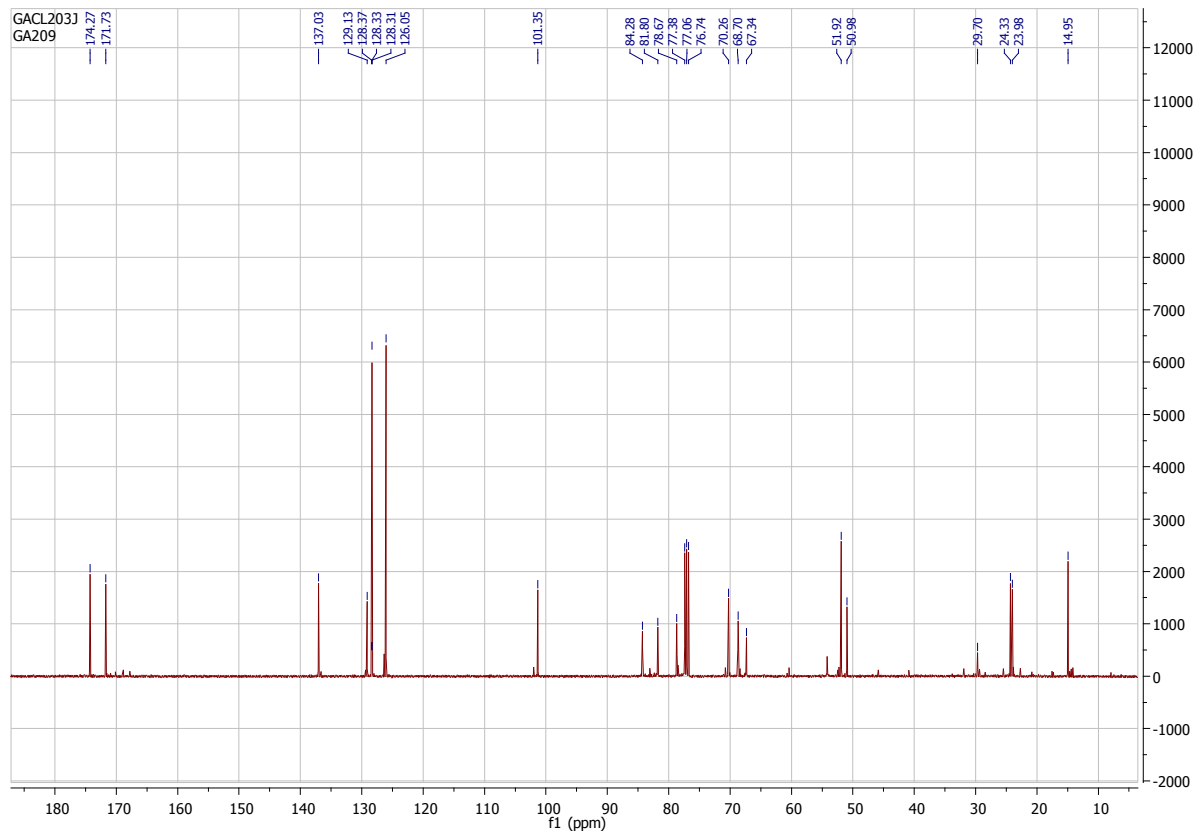


# Verbindung 86c

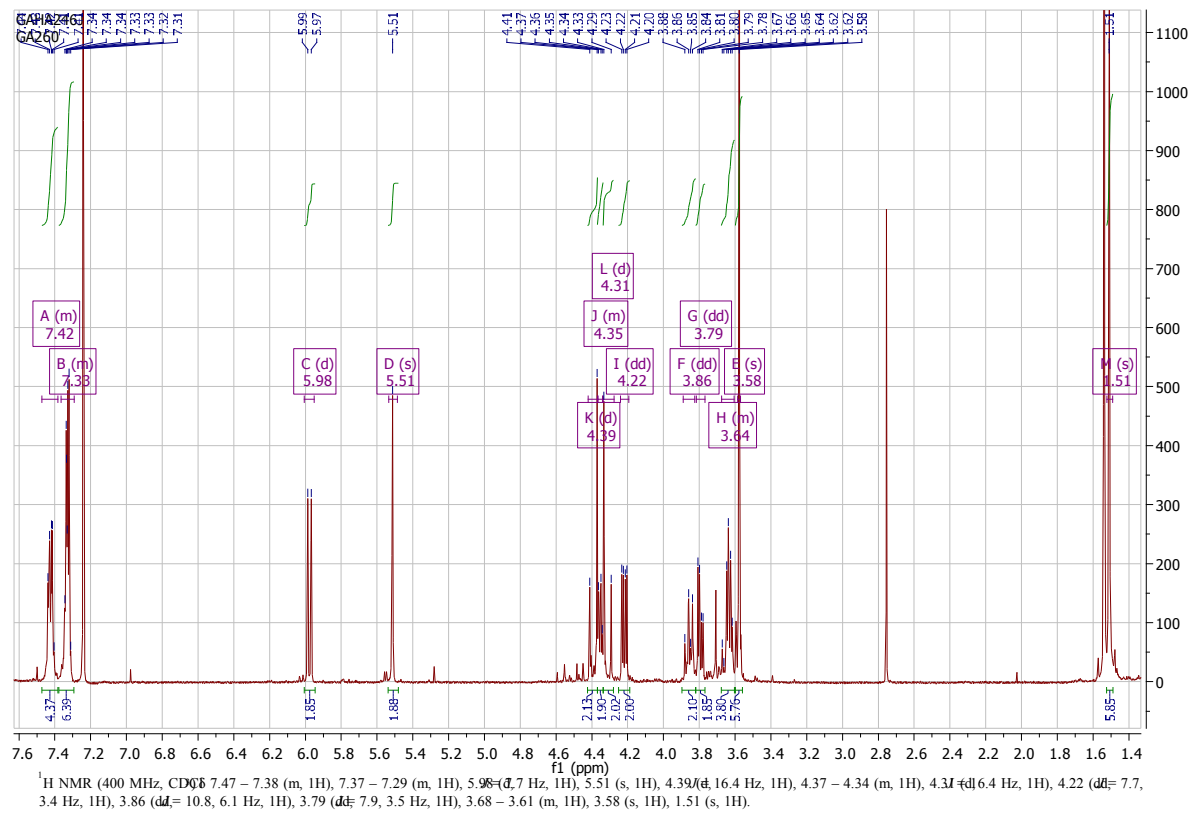
## H-NMR



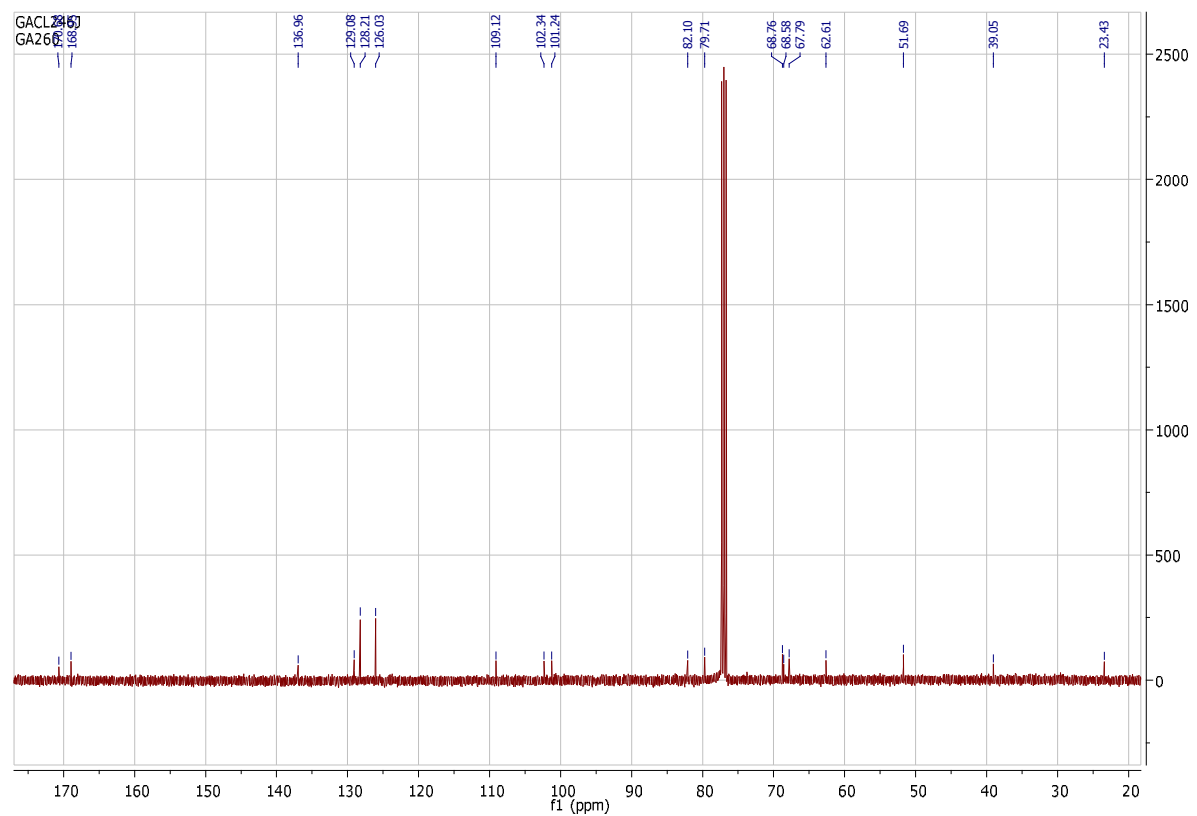
## C-NMR



Verbindung 61 c  
H-NMR



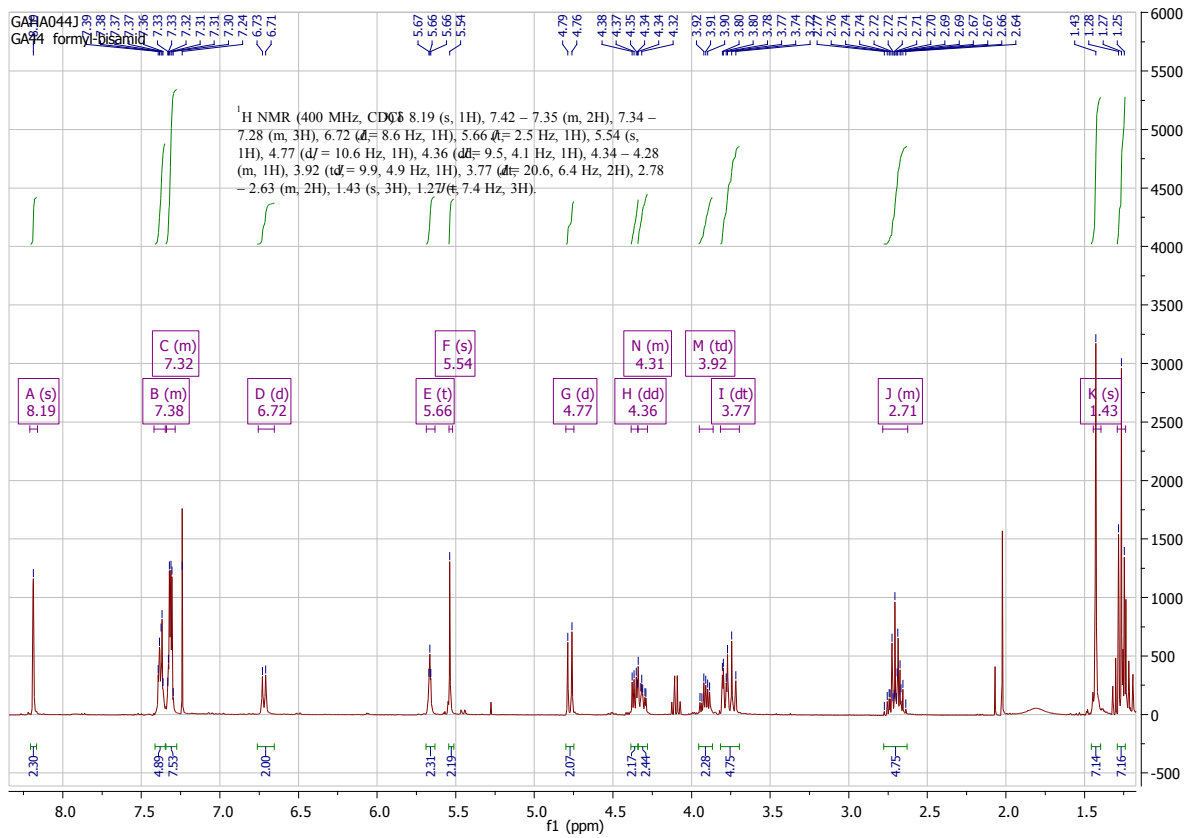
C-NMR



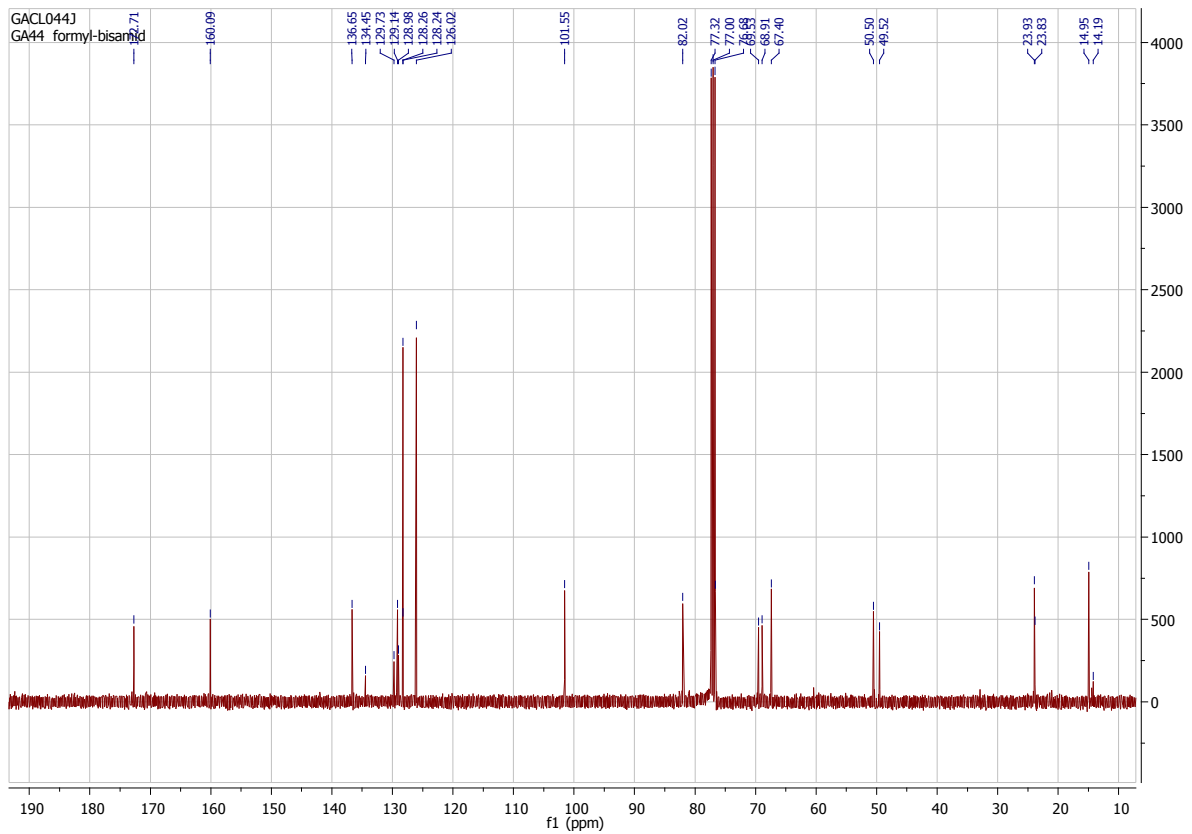


# Verbindung 76a

## H-NMR

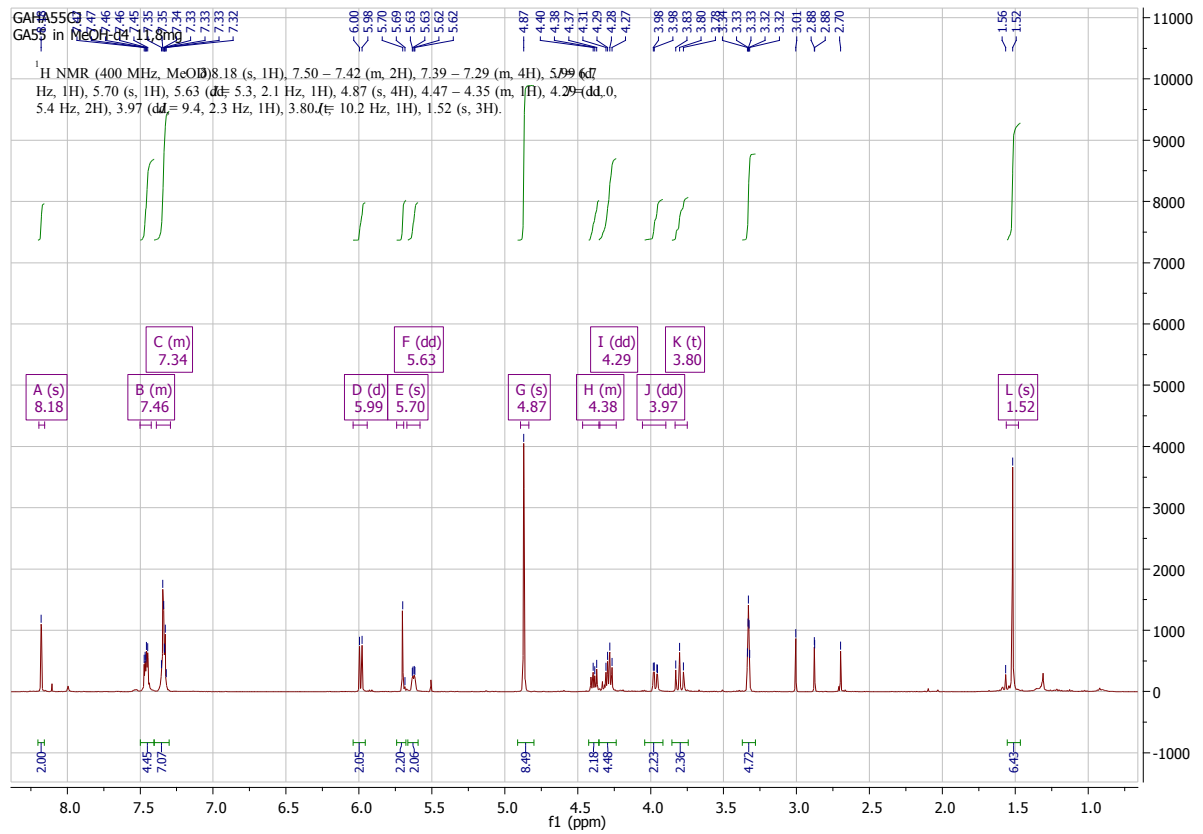


## C-NMR

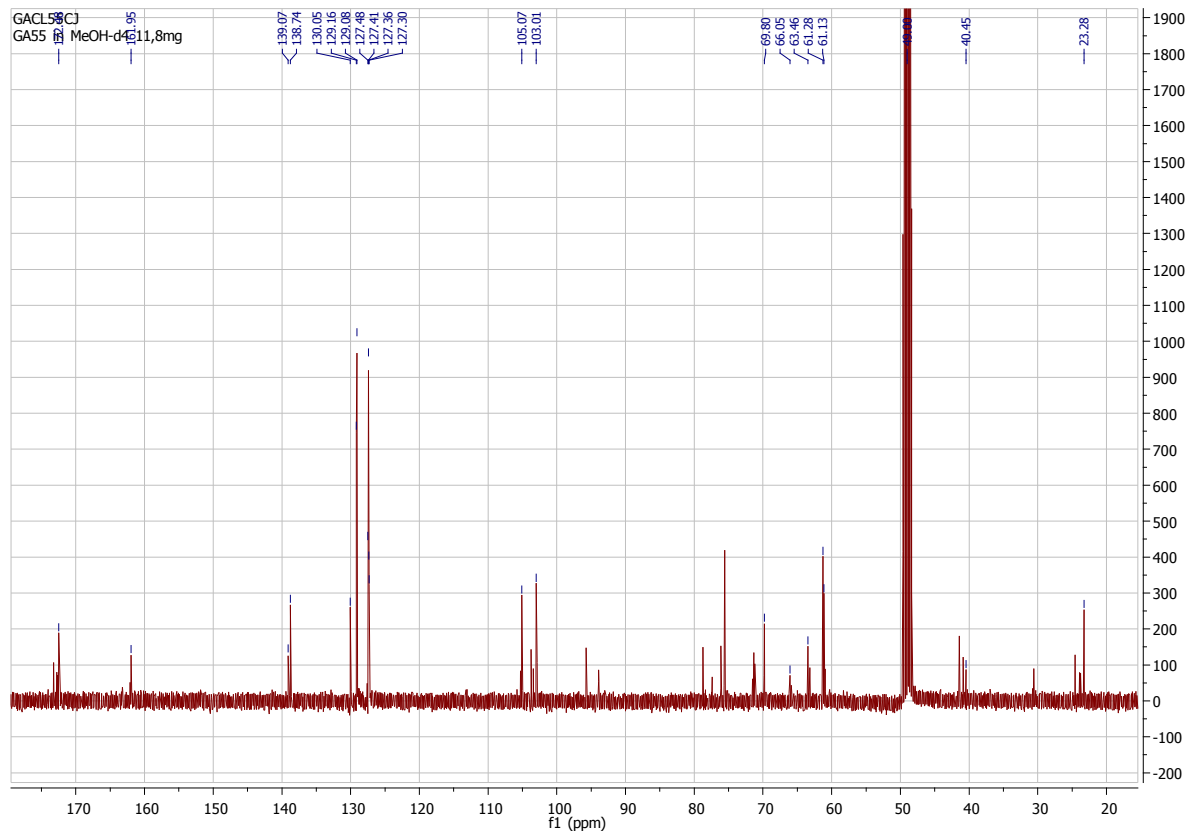


# Verbindung 83a

## H-NMR

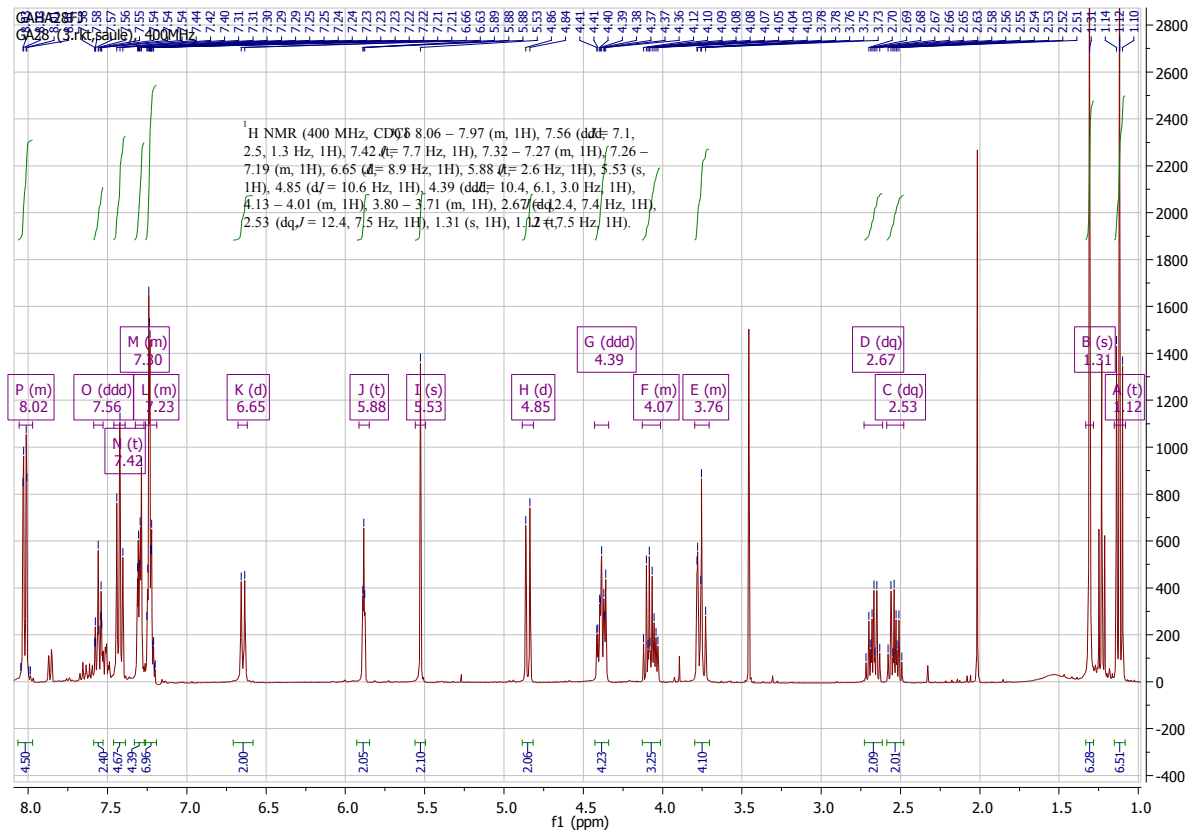


## C-NMR

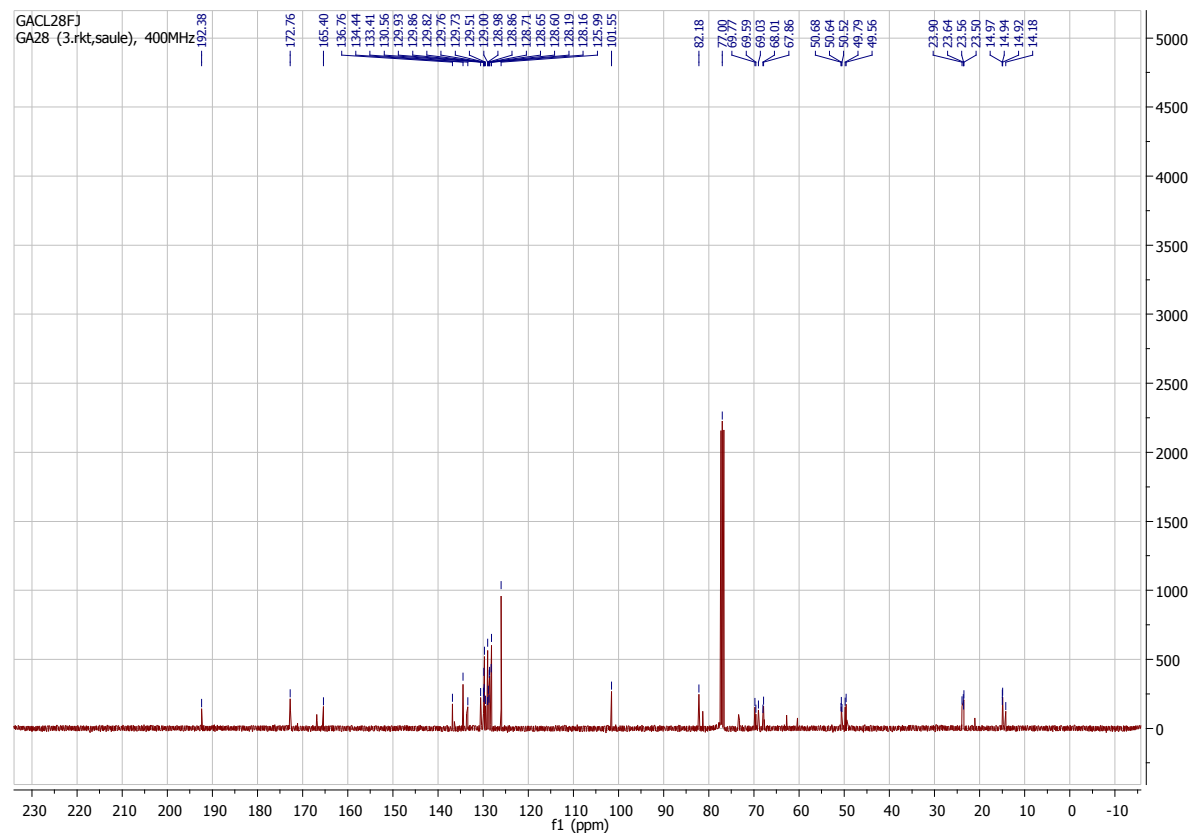


# Verbindung 76d

## H-NMR

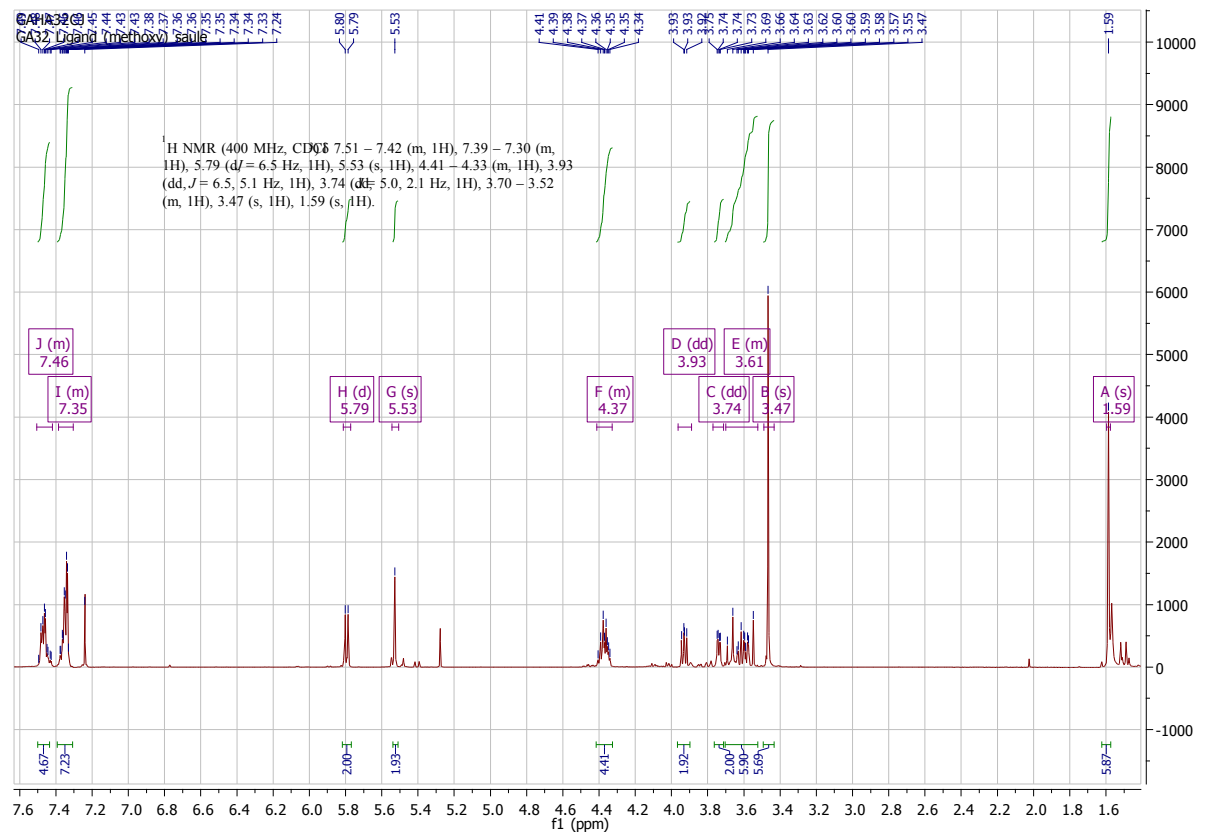


## C-NMR

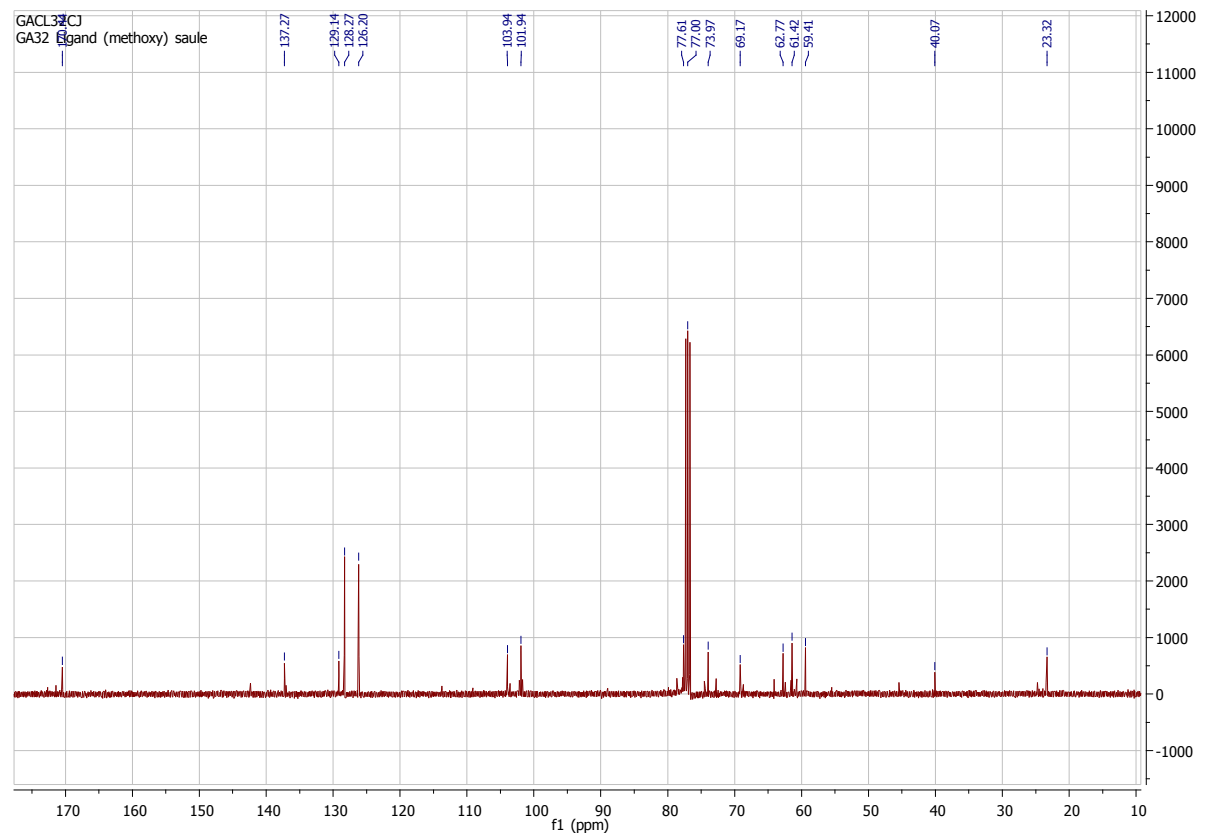


# Verbindung 83c

## H-NMR

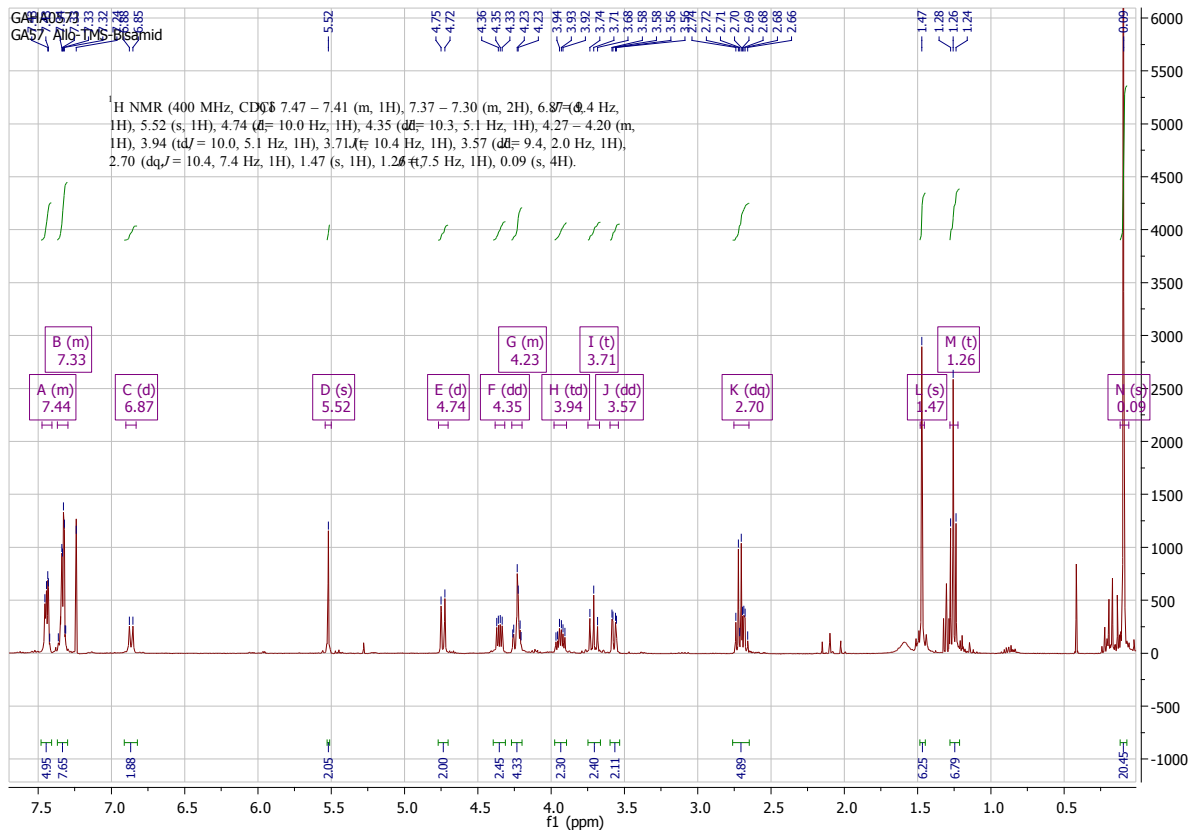


## C-NMR

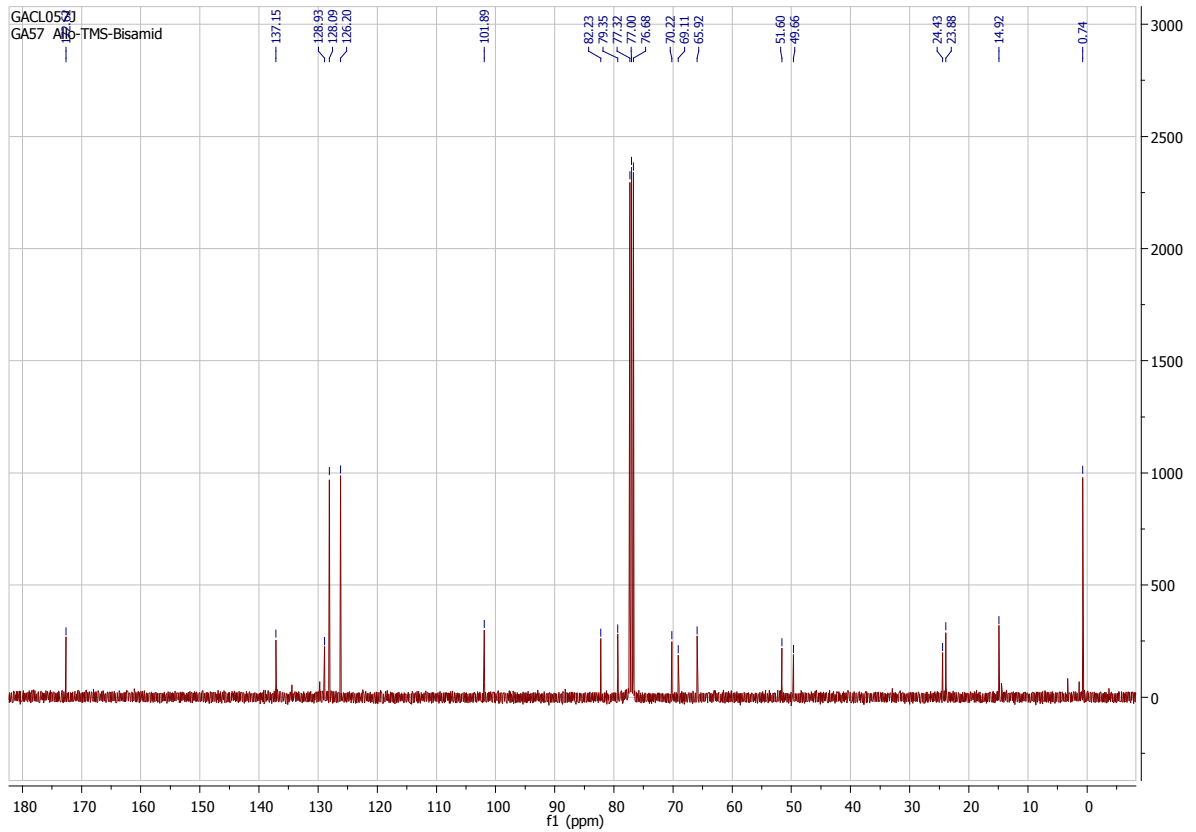


# Verbindung 76f

## H-NMR

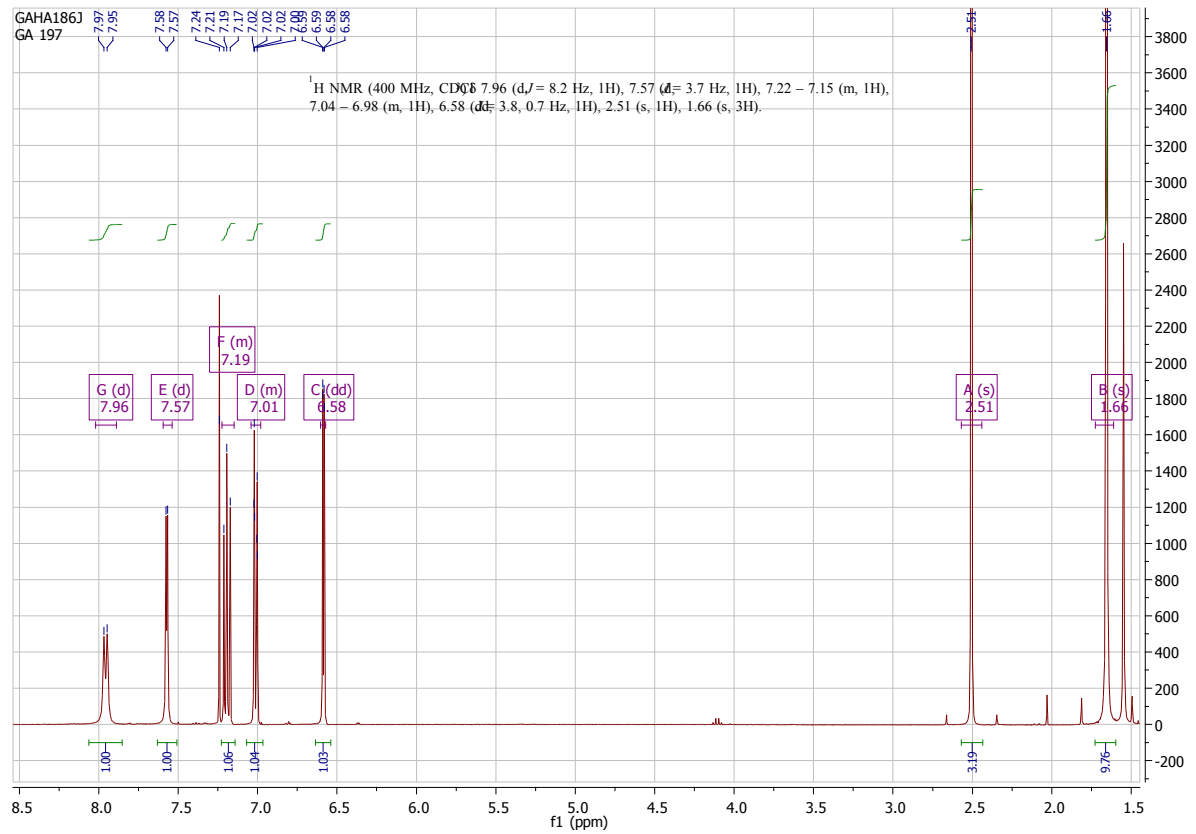


## C-NMR

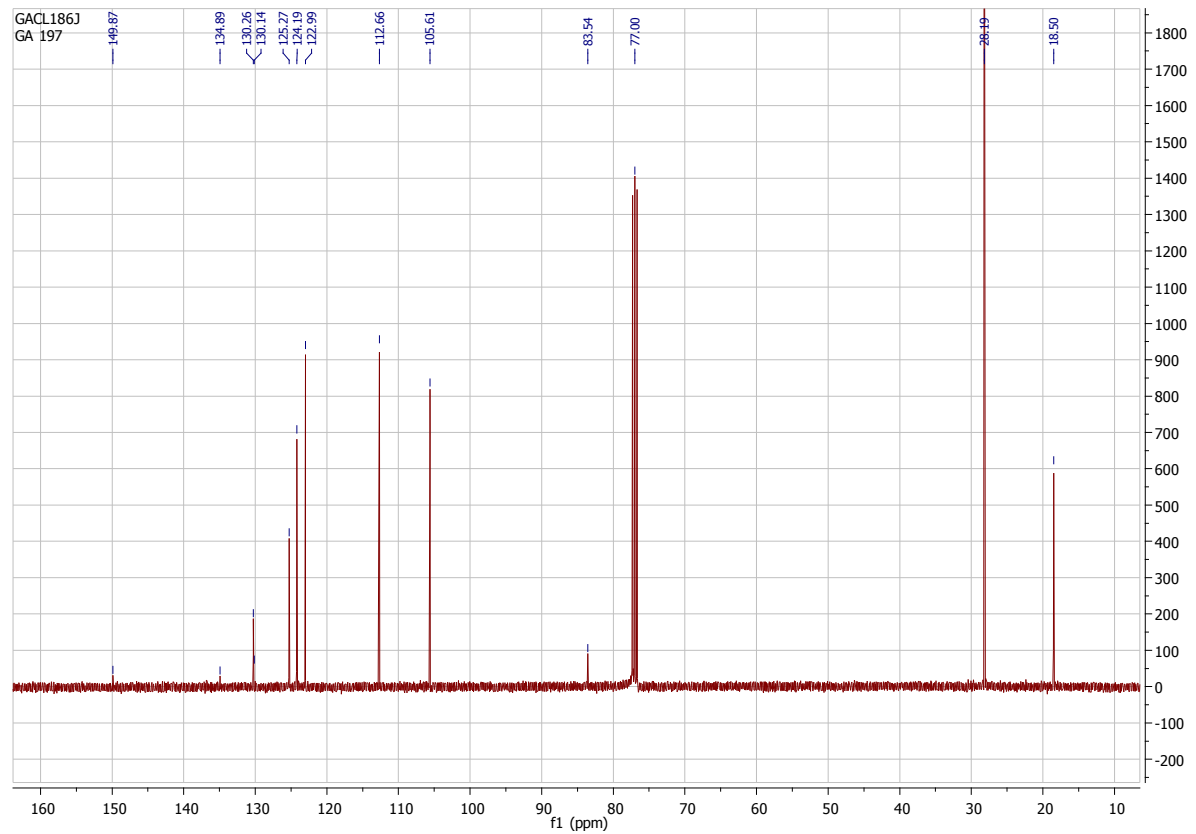


# Verbindung 105

## H-NMR

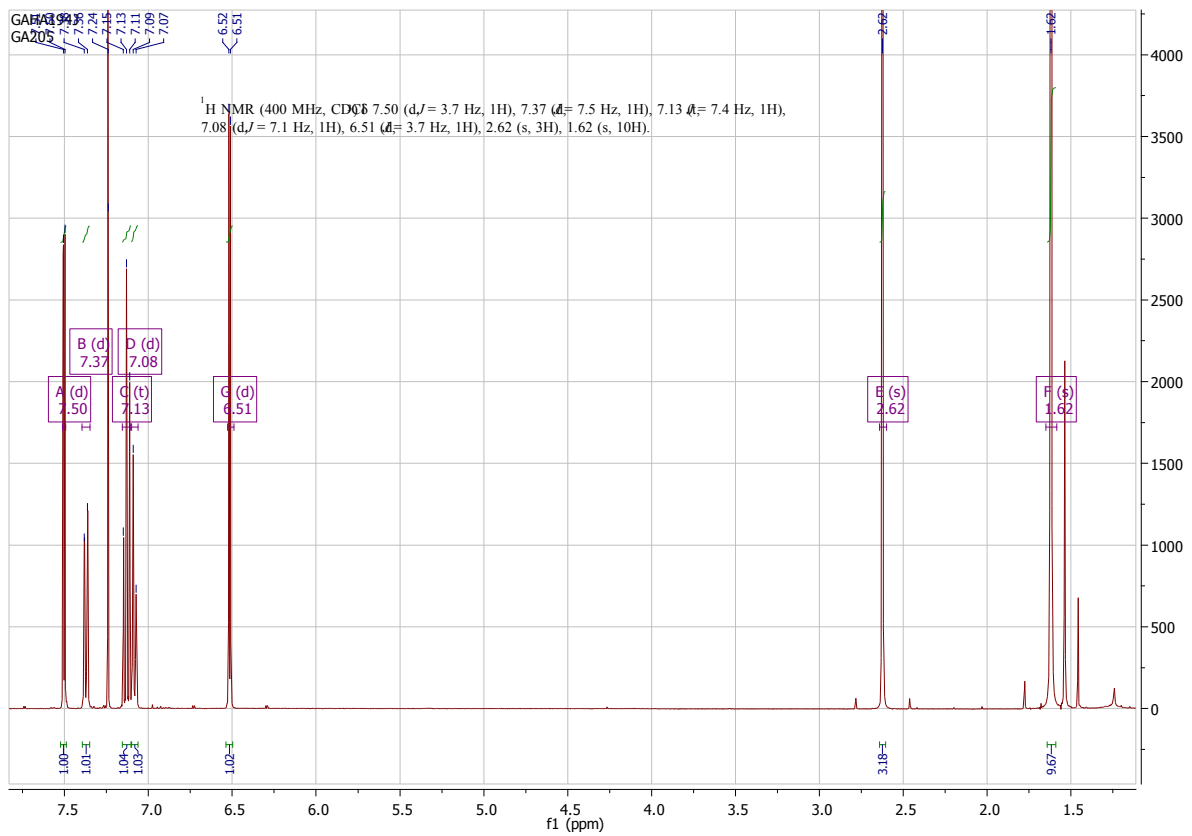


## C-NMR

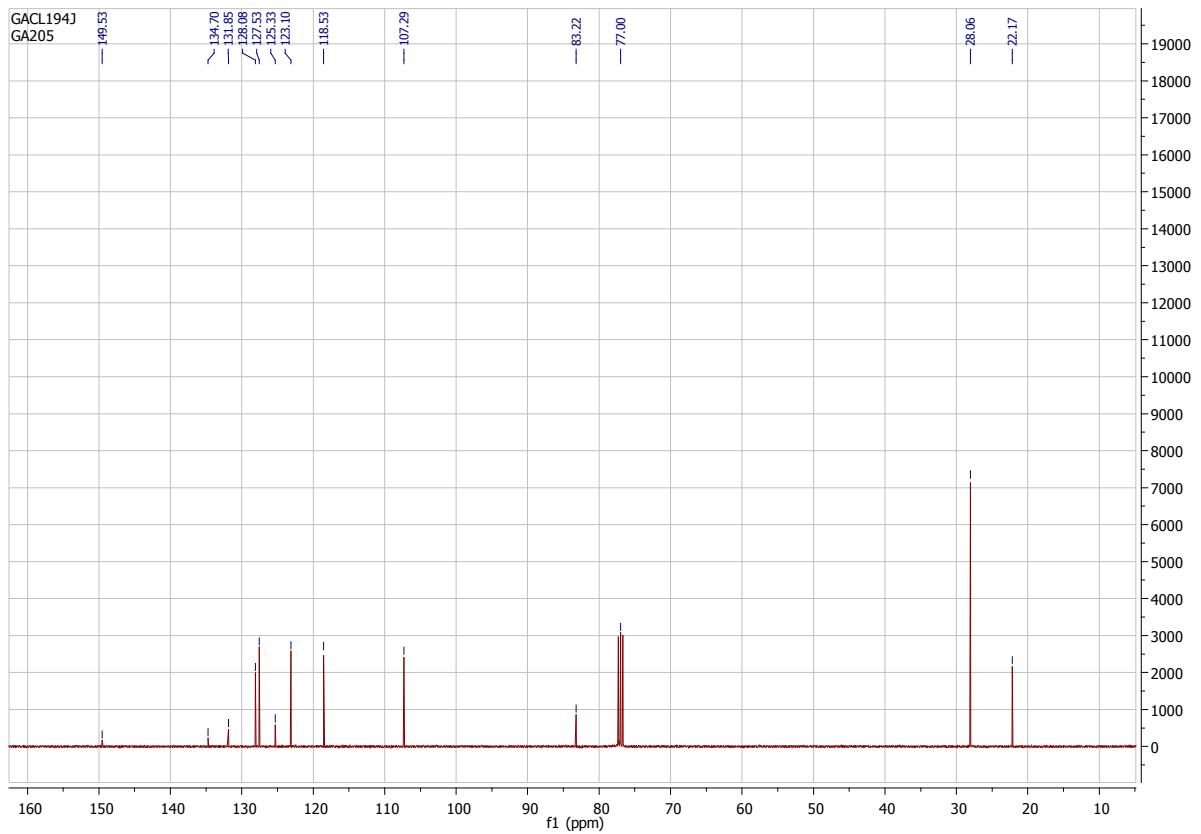


# Verbindung 107

## H-NMR

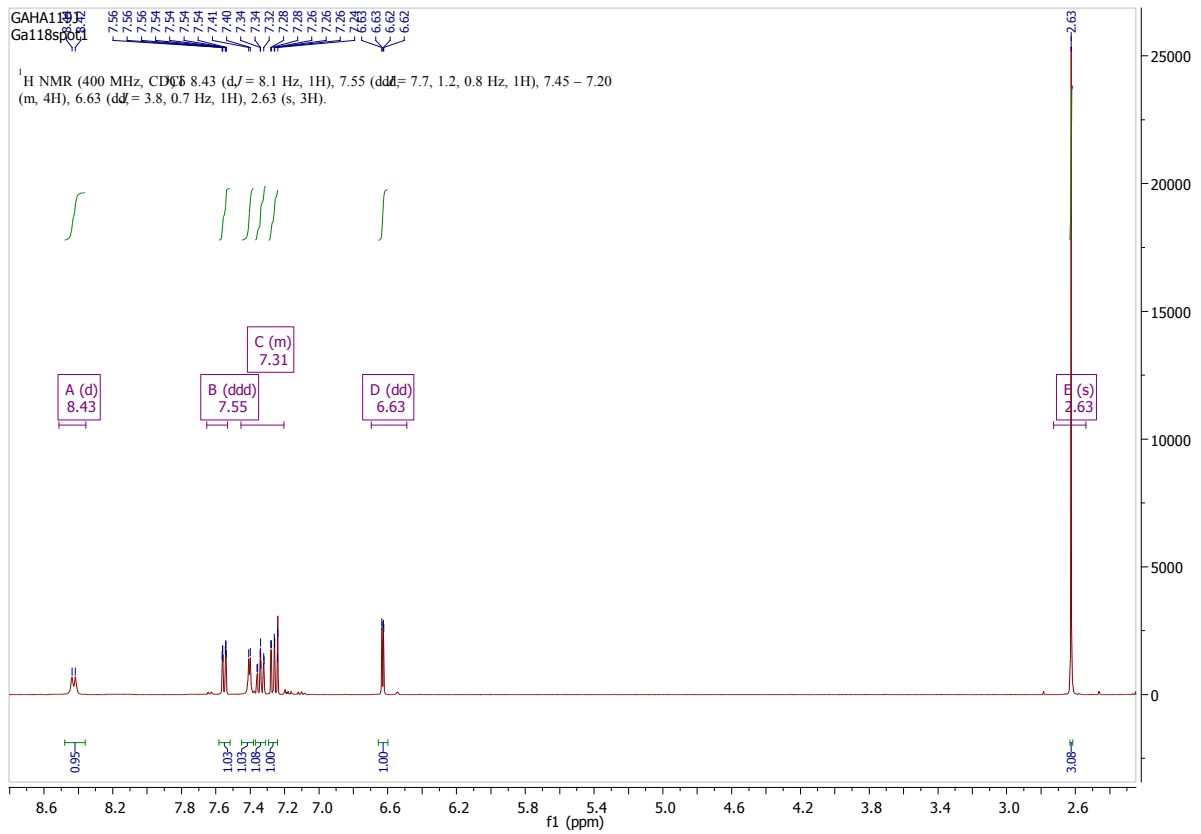


## C-NMR

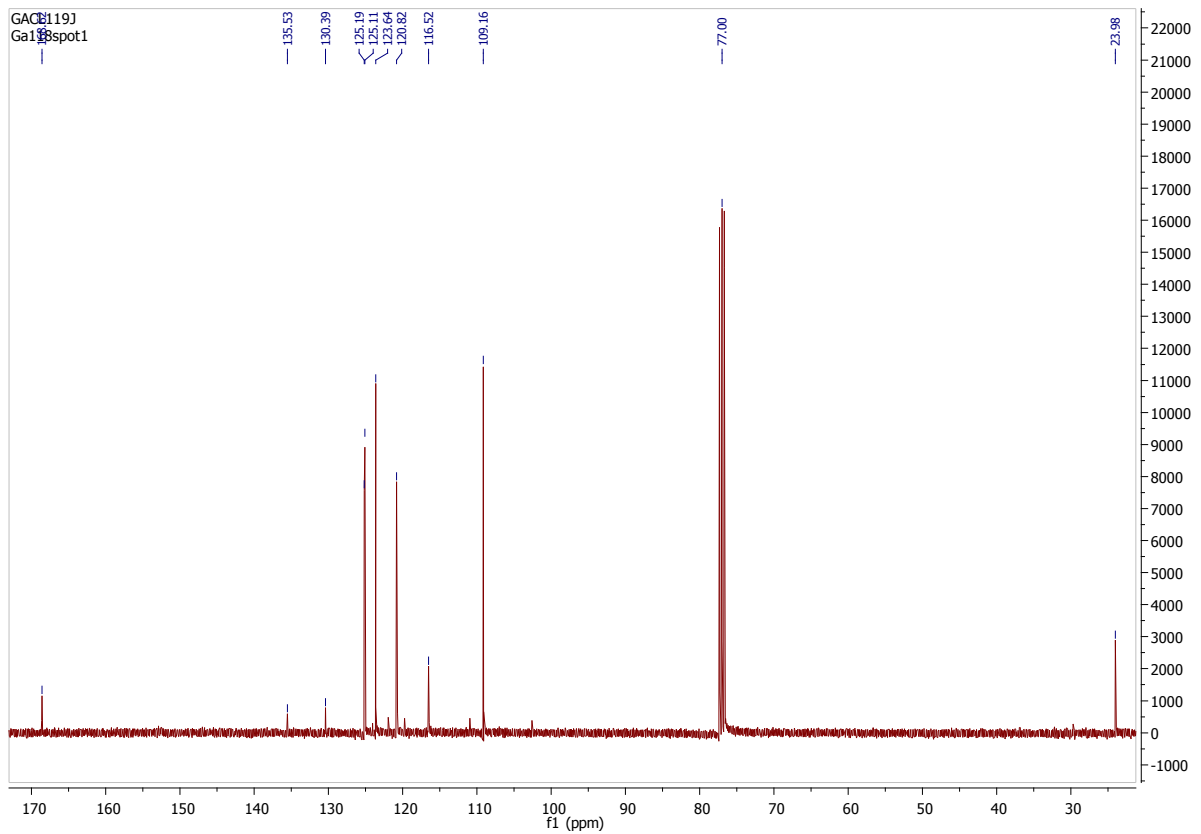


# Verbindung 97

## H-NMR



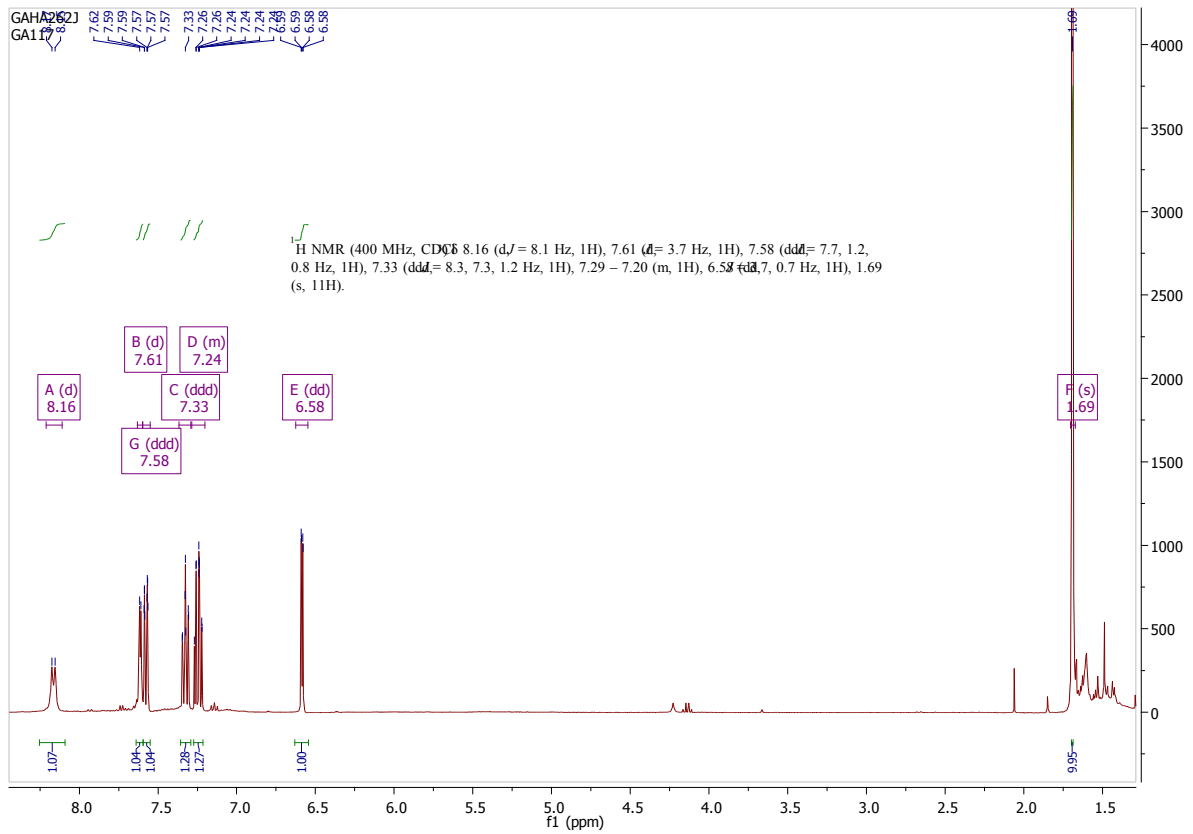
## C-NMR



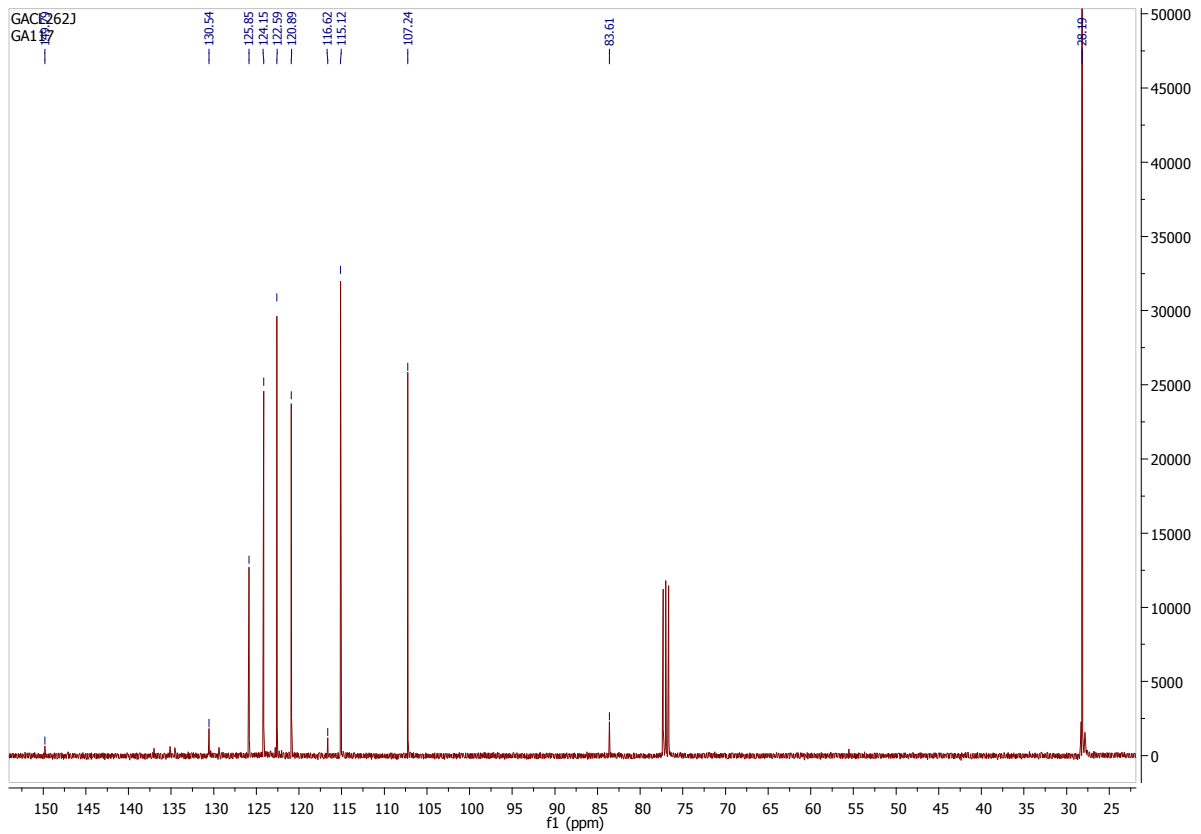


# Verbindung 95

## H-NMR

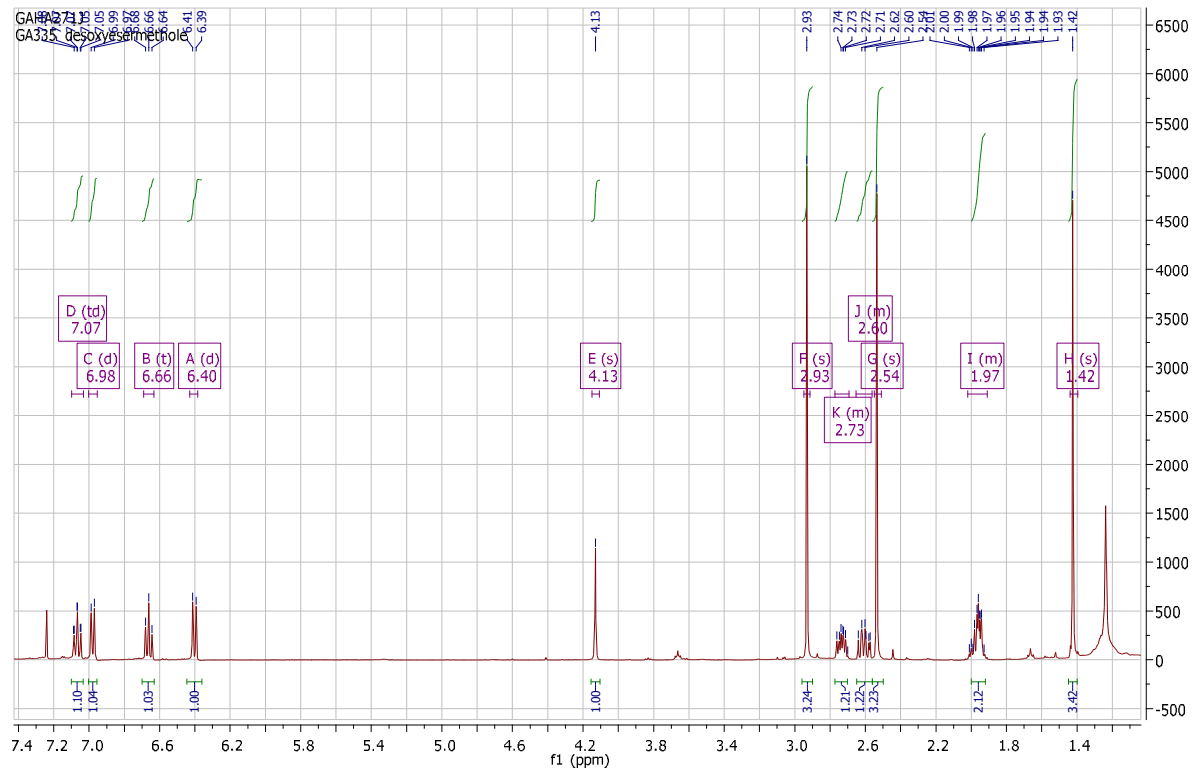


## C-NMR



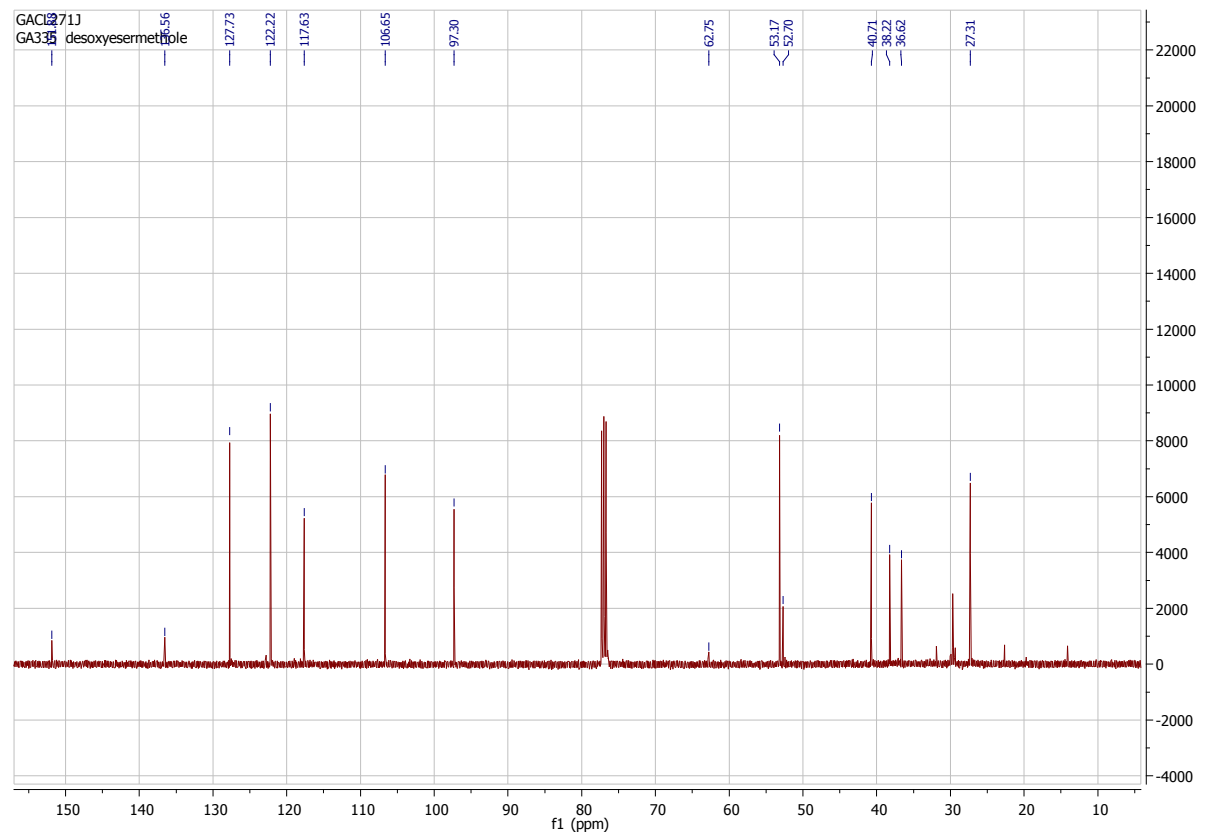
# Verbindung 62

## H-NMR



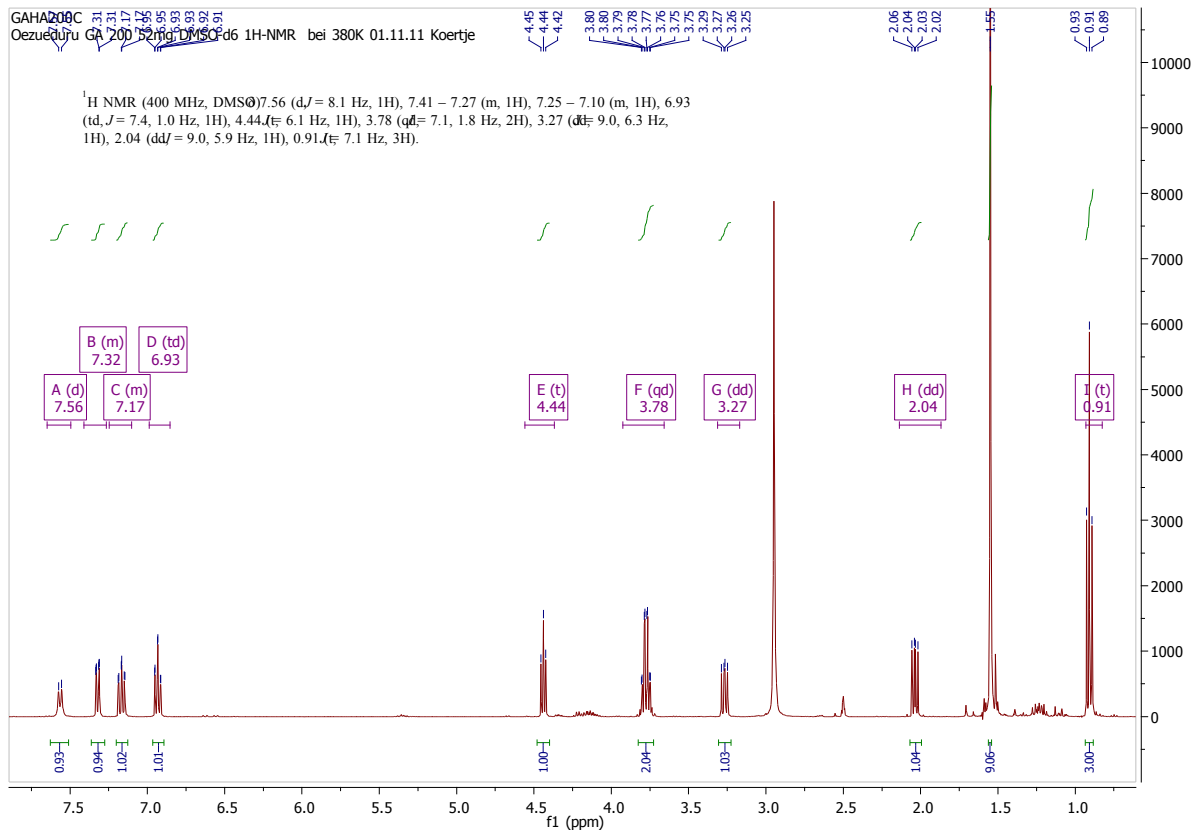
<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) δ 7.07 (td, *M*=7.7, 1.0 Hz, 1H), 6.98 (d, *M*=7.3 Hz, 1H), 6.66 (t, *M*=7.3 Hz, 1H), 6.40 (d, *M*=7.8 Hz, 1H), 4.13 (s, 1H), 2.93 (s, 3H), 2.77 – 2.69 (m, 1H), 2.65 – 2.56 (m, 1H), 2.54 (s, 3H), 2.02 – 1.91 (m, 2H), 1.42 (s, 3H).

## C-NMR

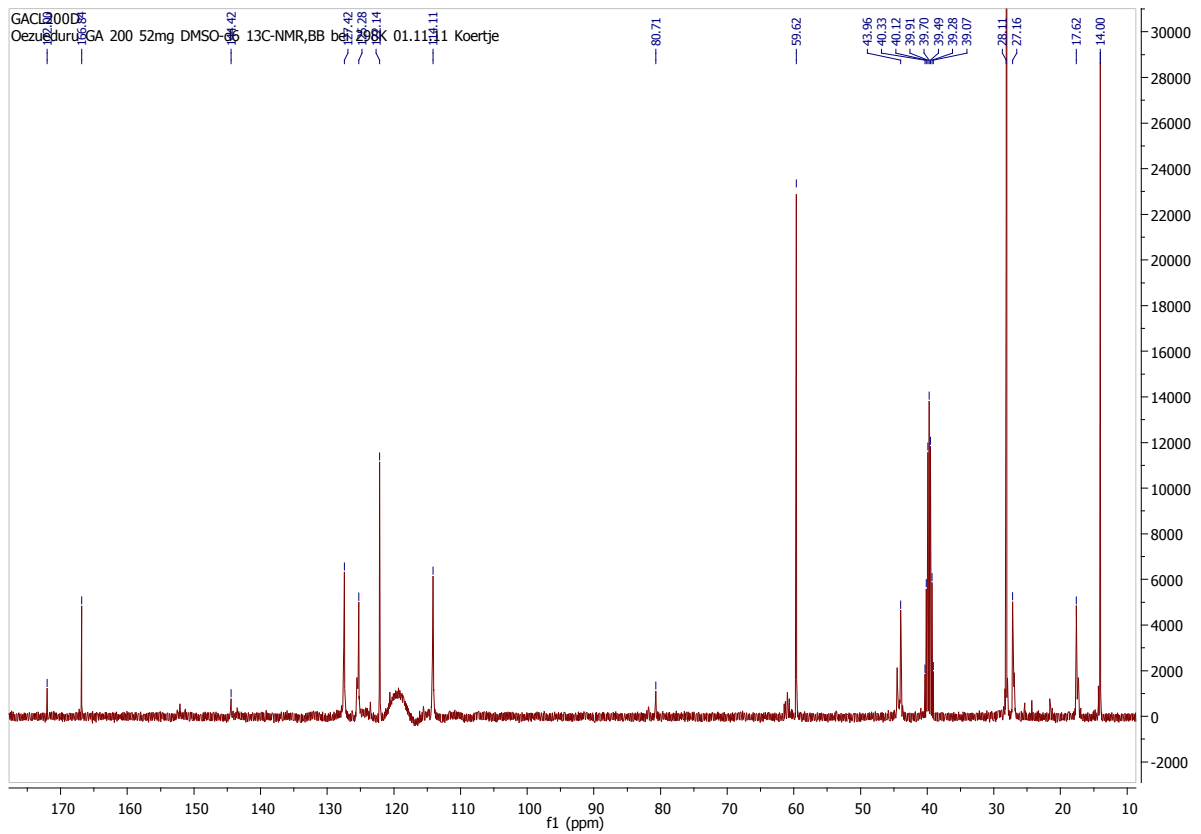


# Verbindung endo-96

## H-NMR

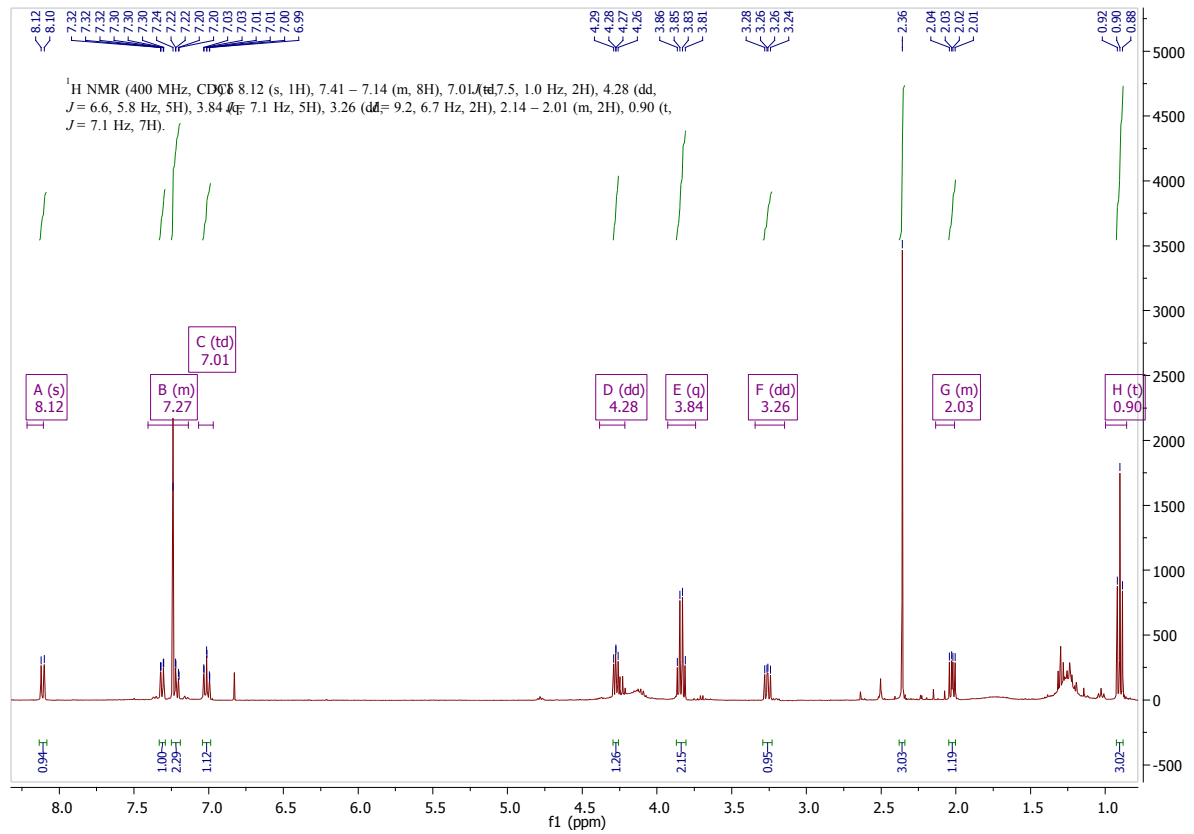


## C-NMR

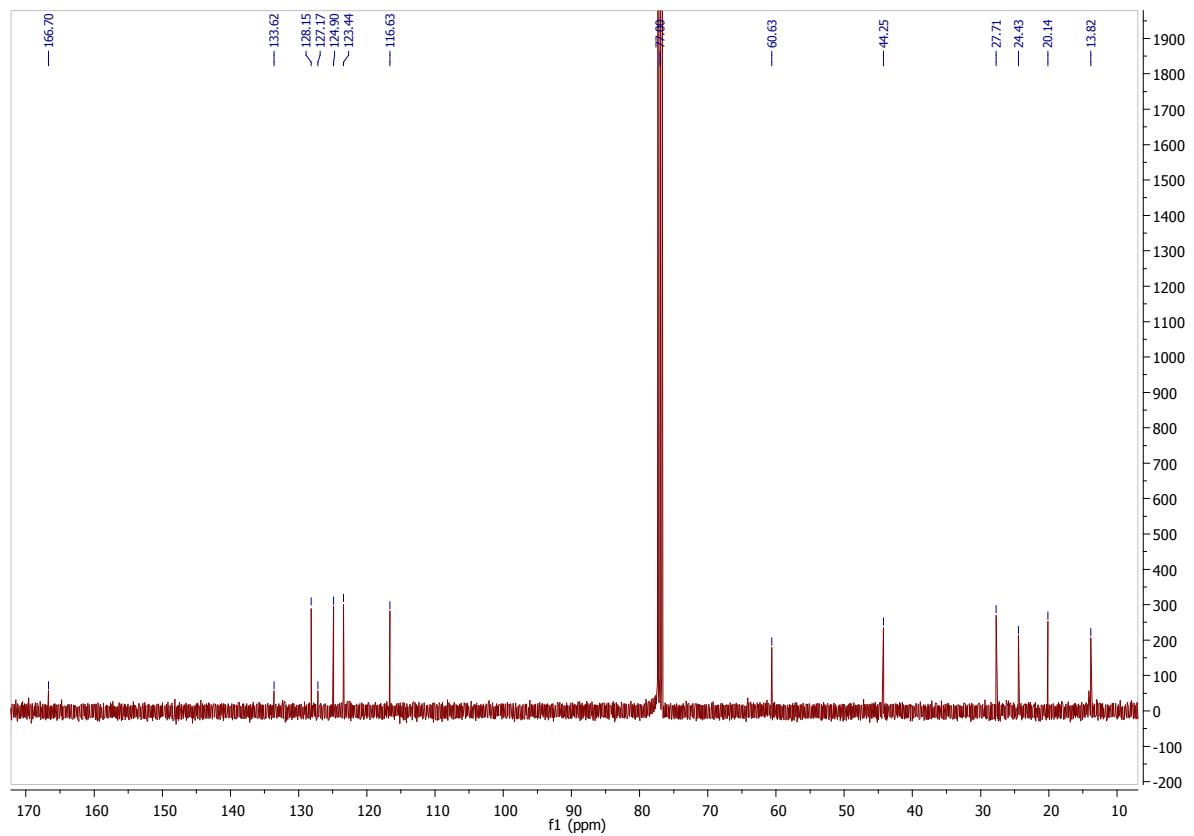


# Verbindung endo-98

## H-NMR

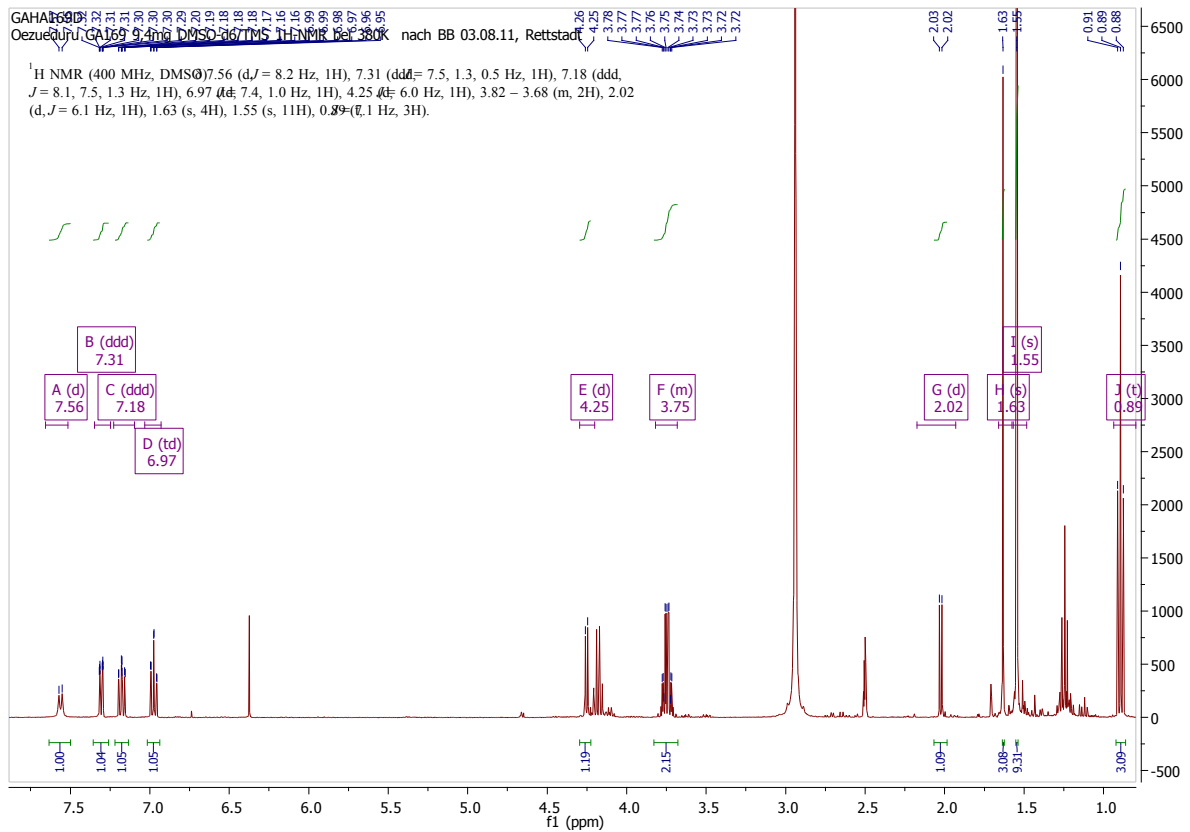


## C-NMR

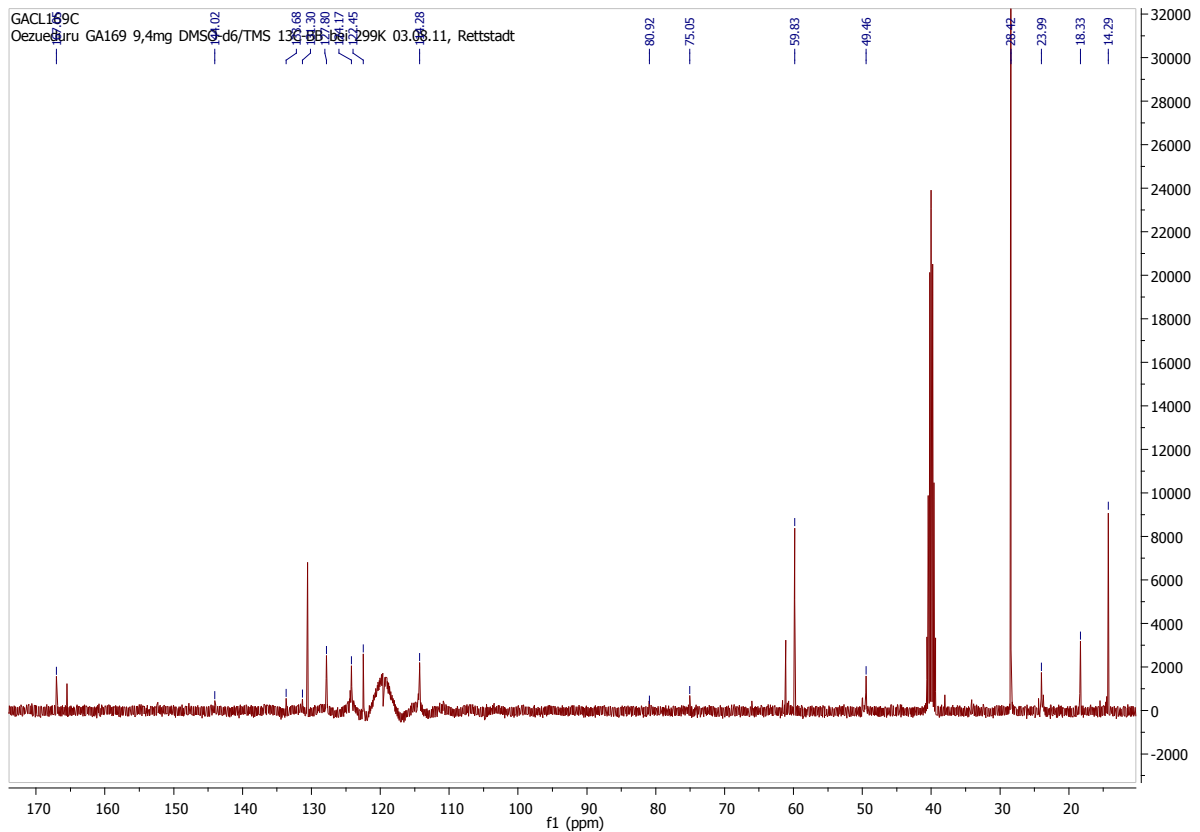


# Verbindung endo-100

## H-NMR

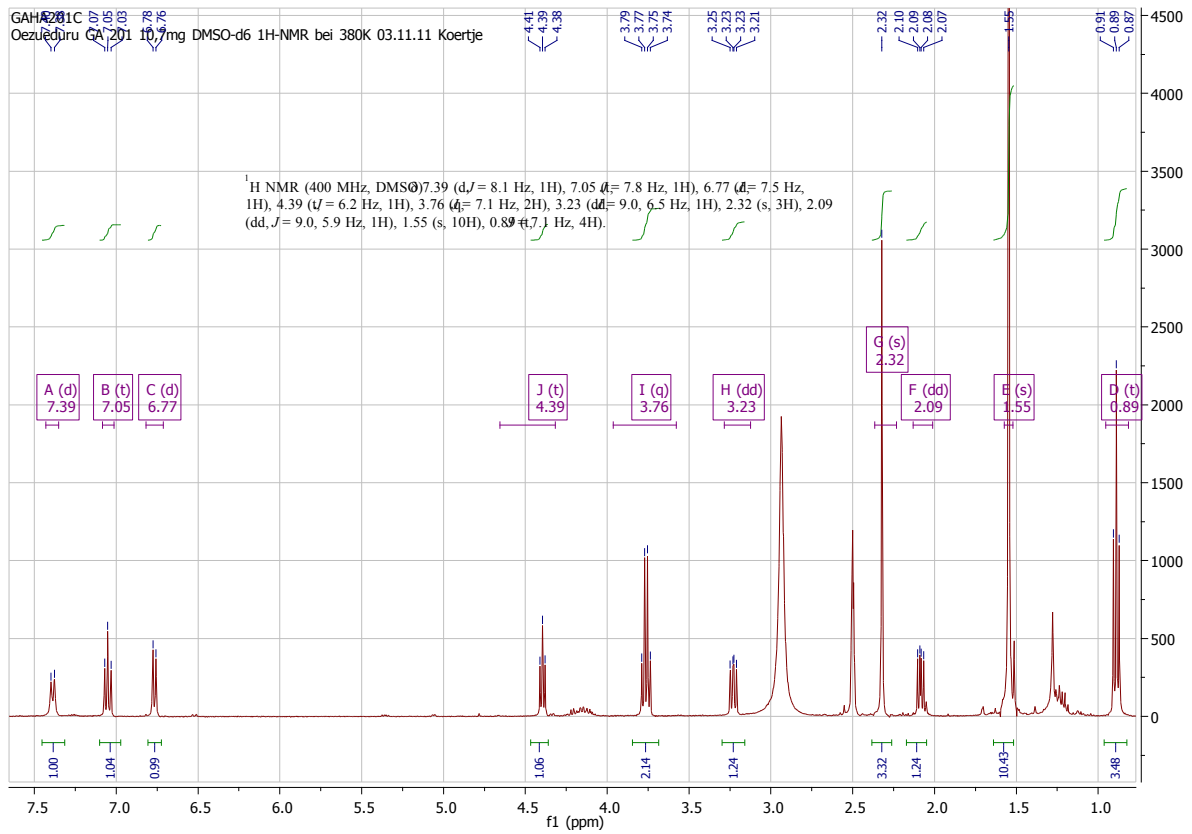


## C-NMR

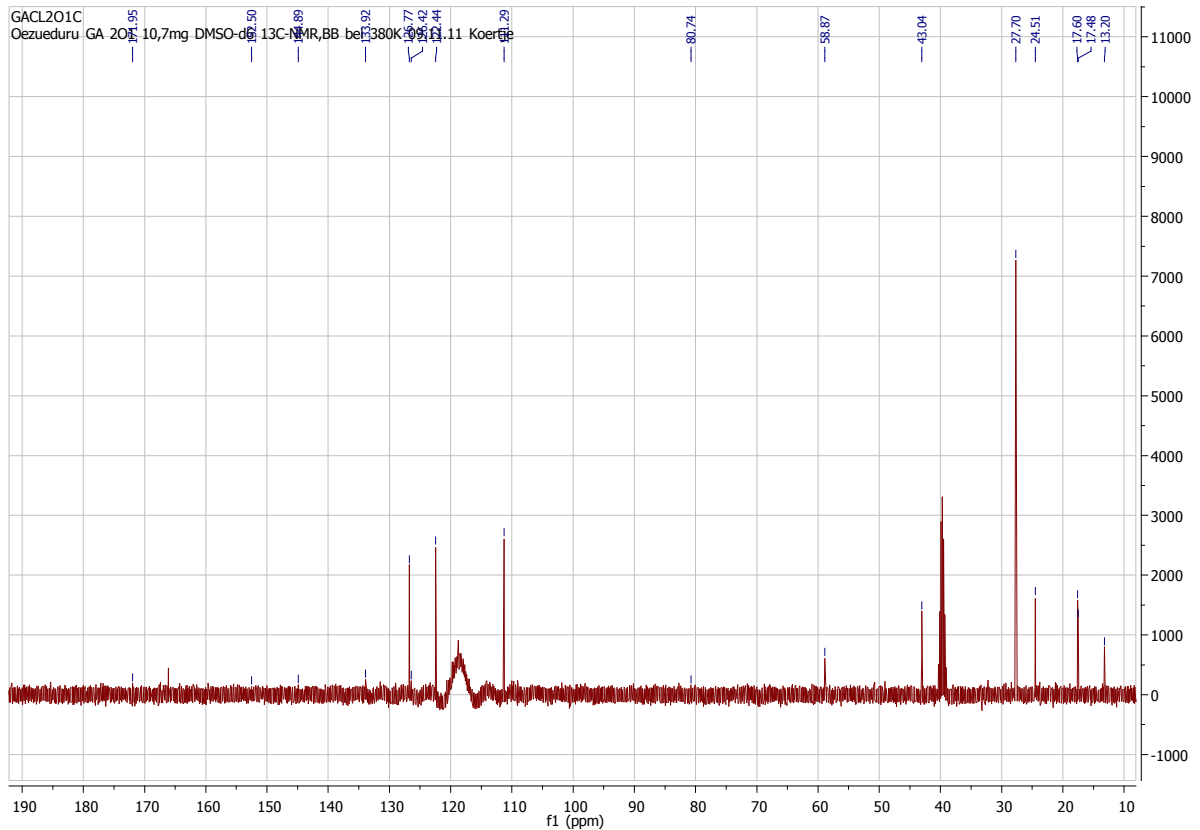


# Verbindung endo-106

## H-NMR

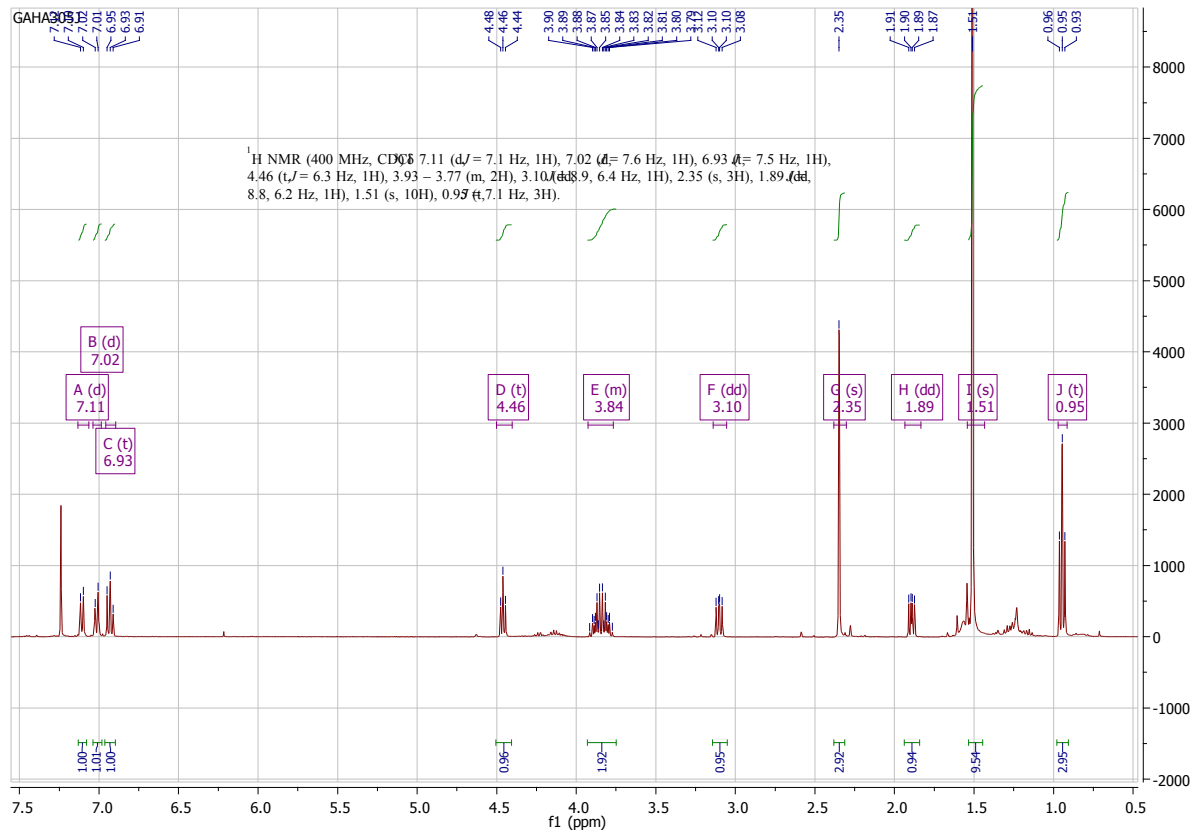


## C-NMR

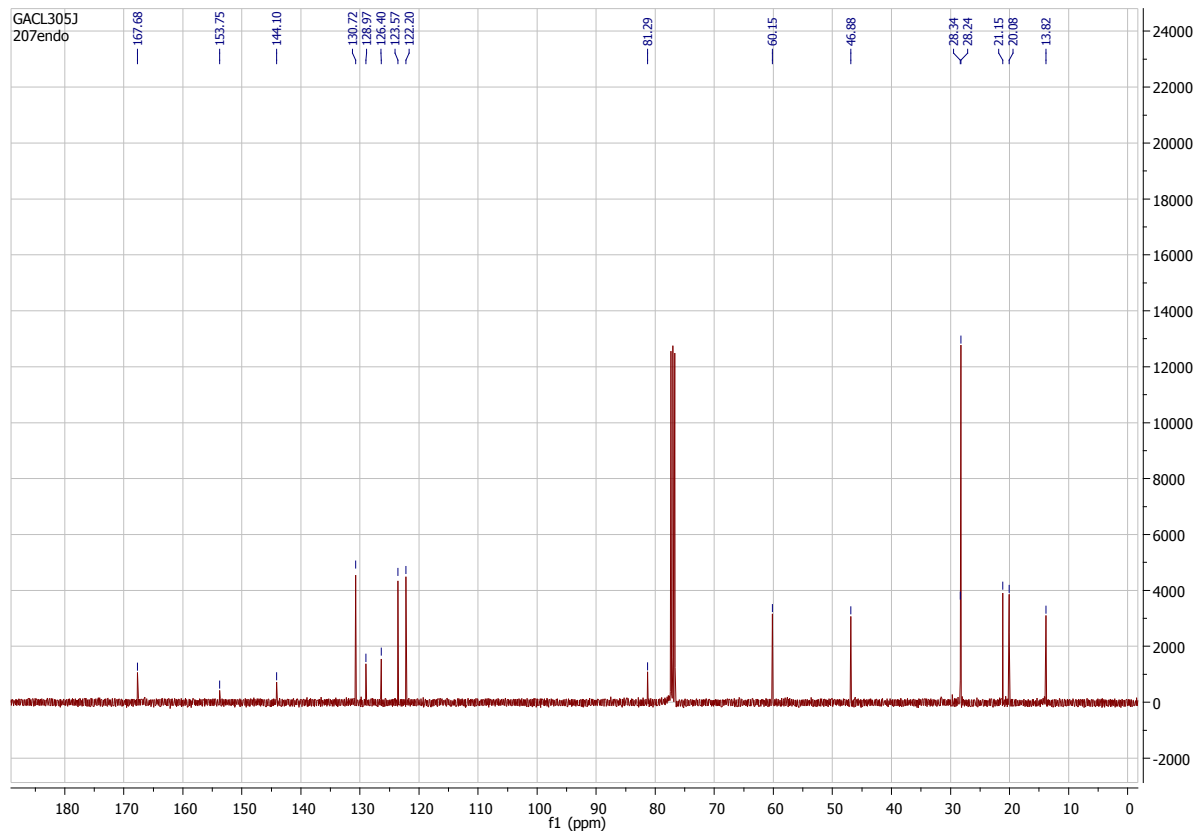


# Verbindung endo-108

## H-NMR

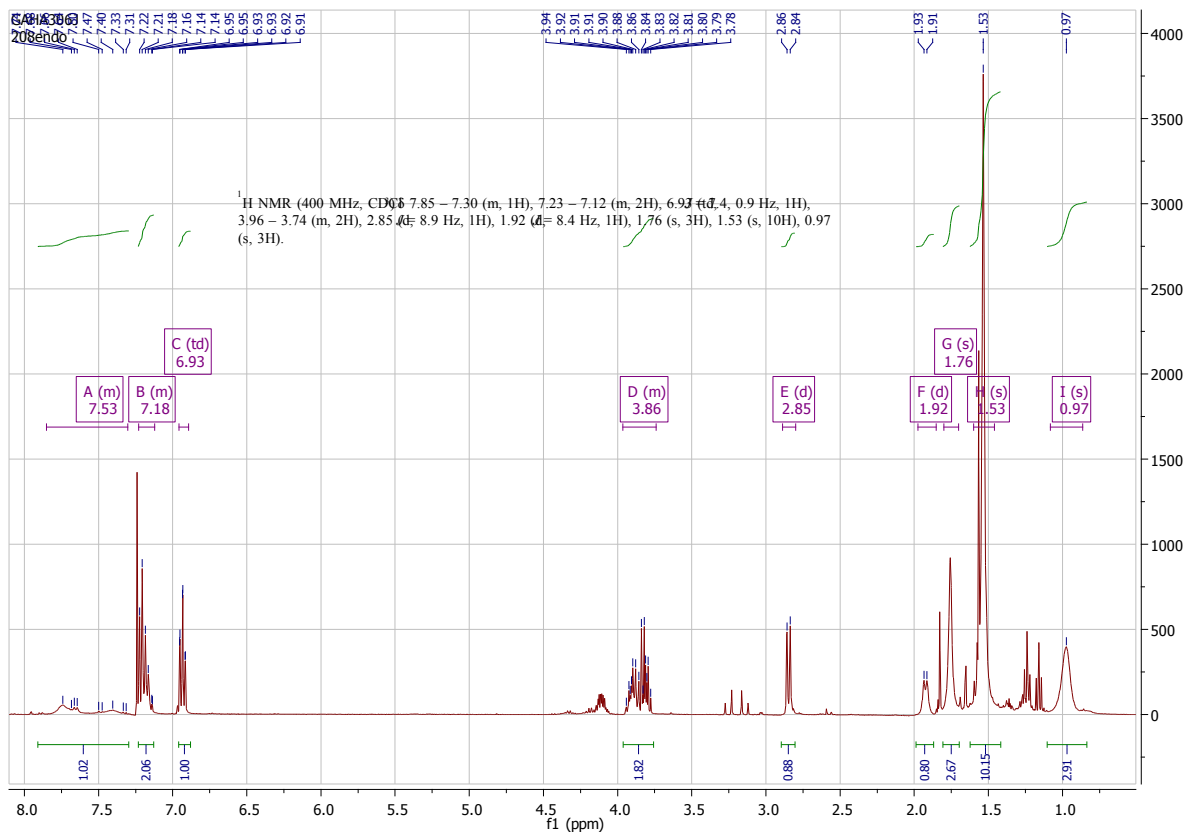


## C-NMR

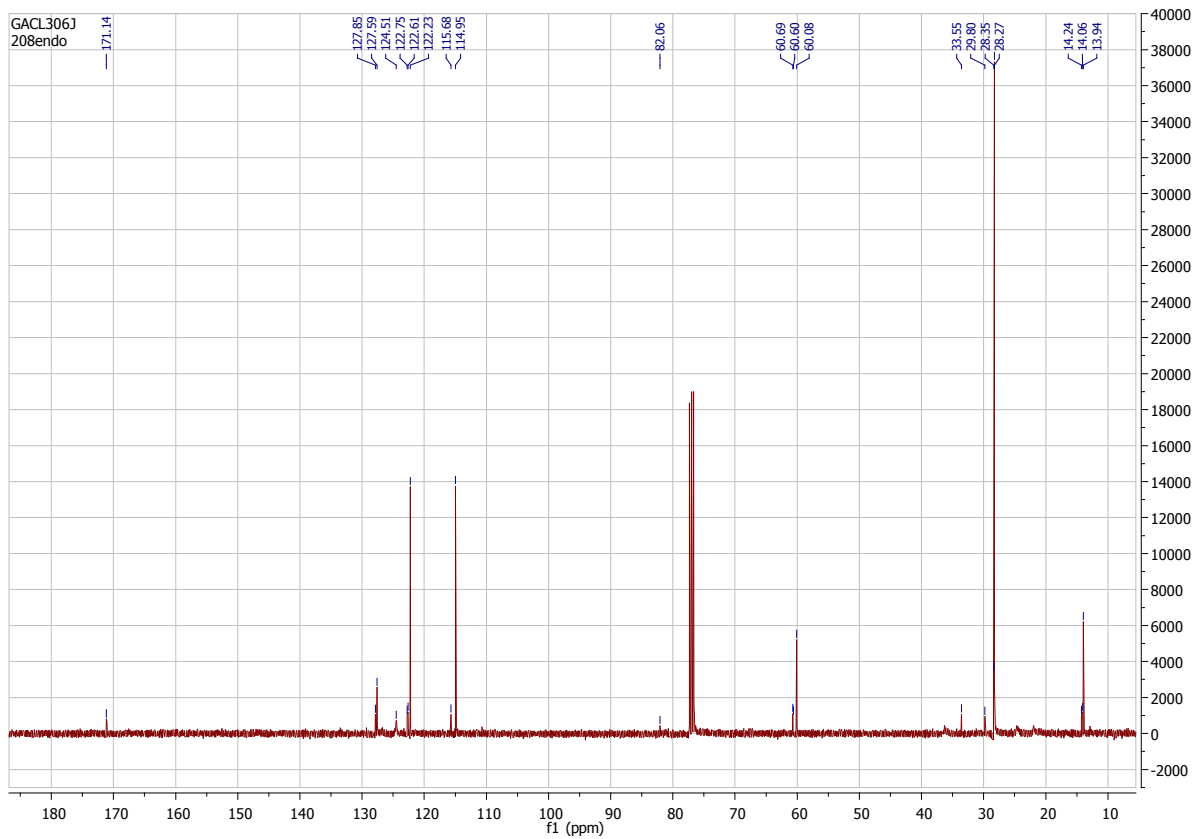


# Verbindung endo-110

## H-NMR



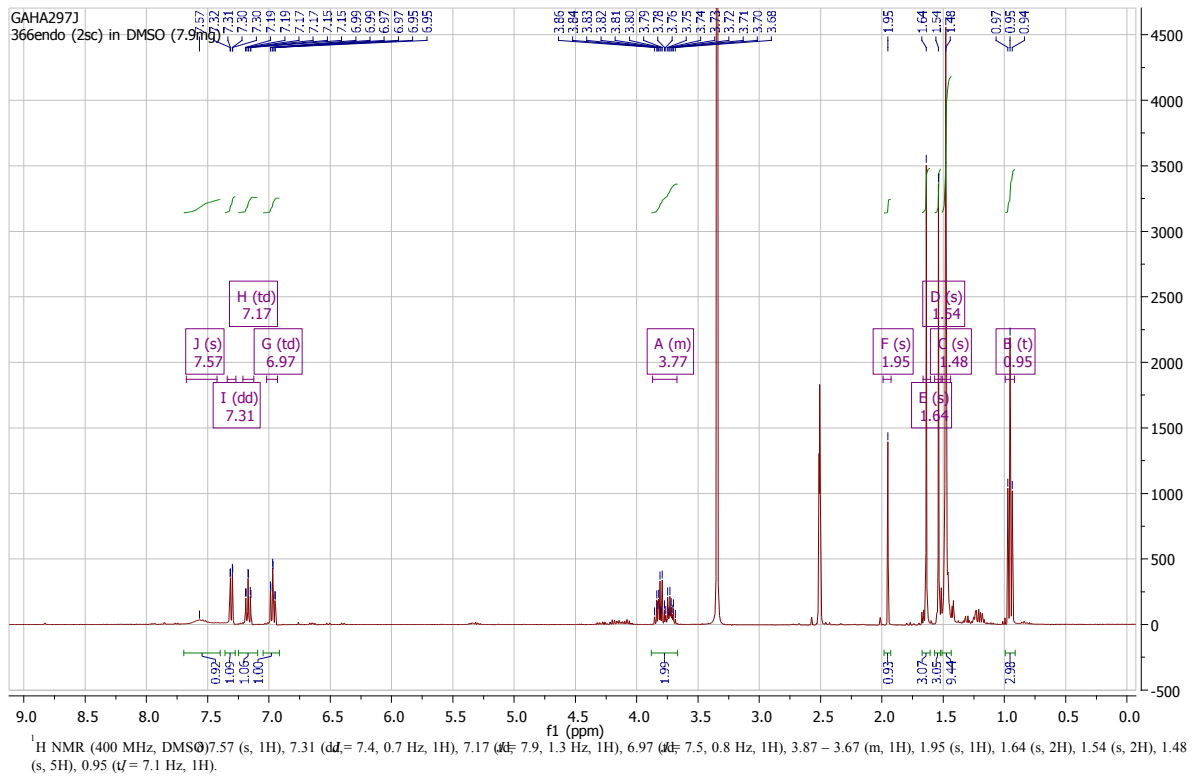
## C-NMR



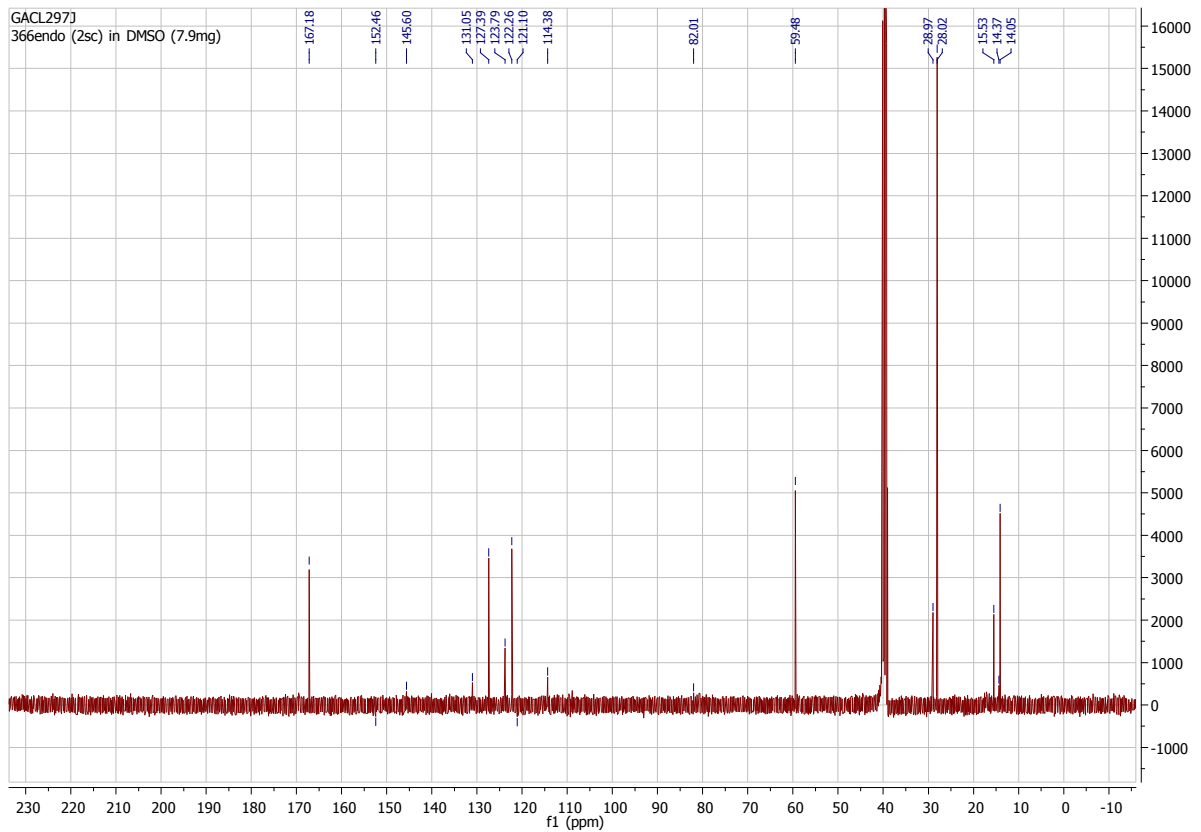


# Verbindung endo-112

## H-NMR

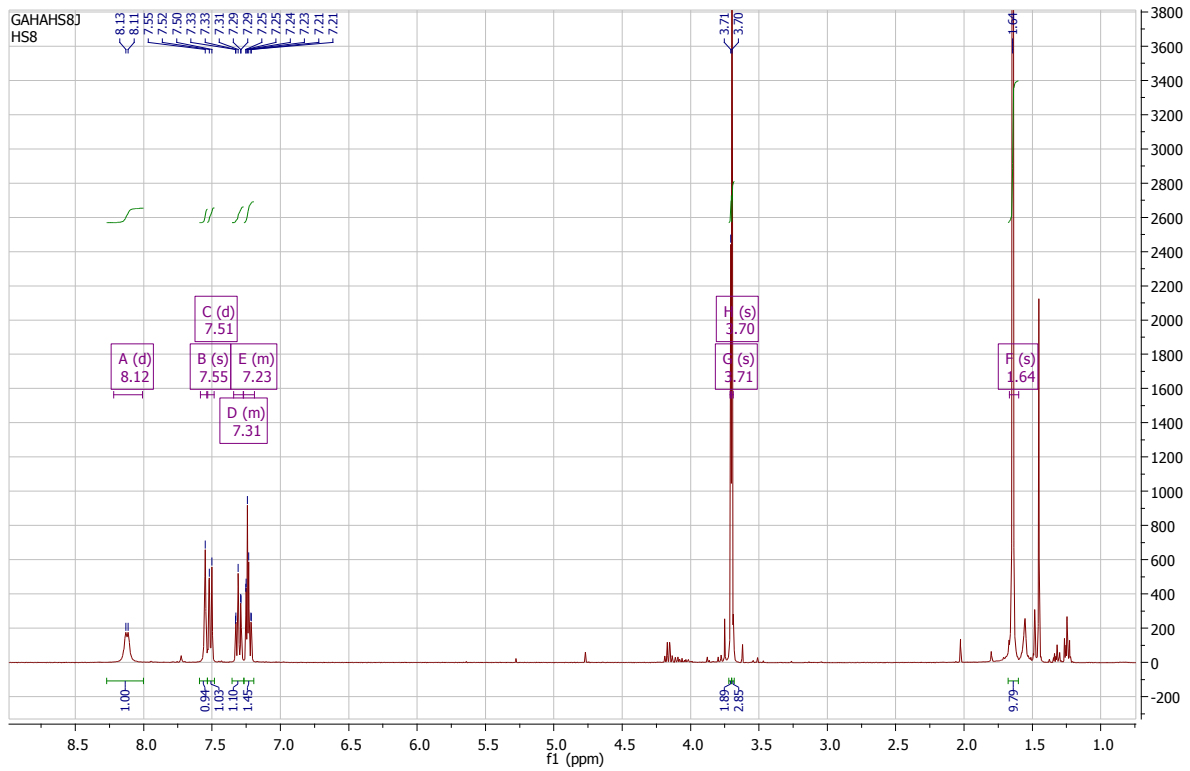


## C-NMR



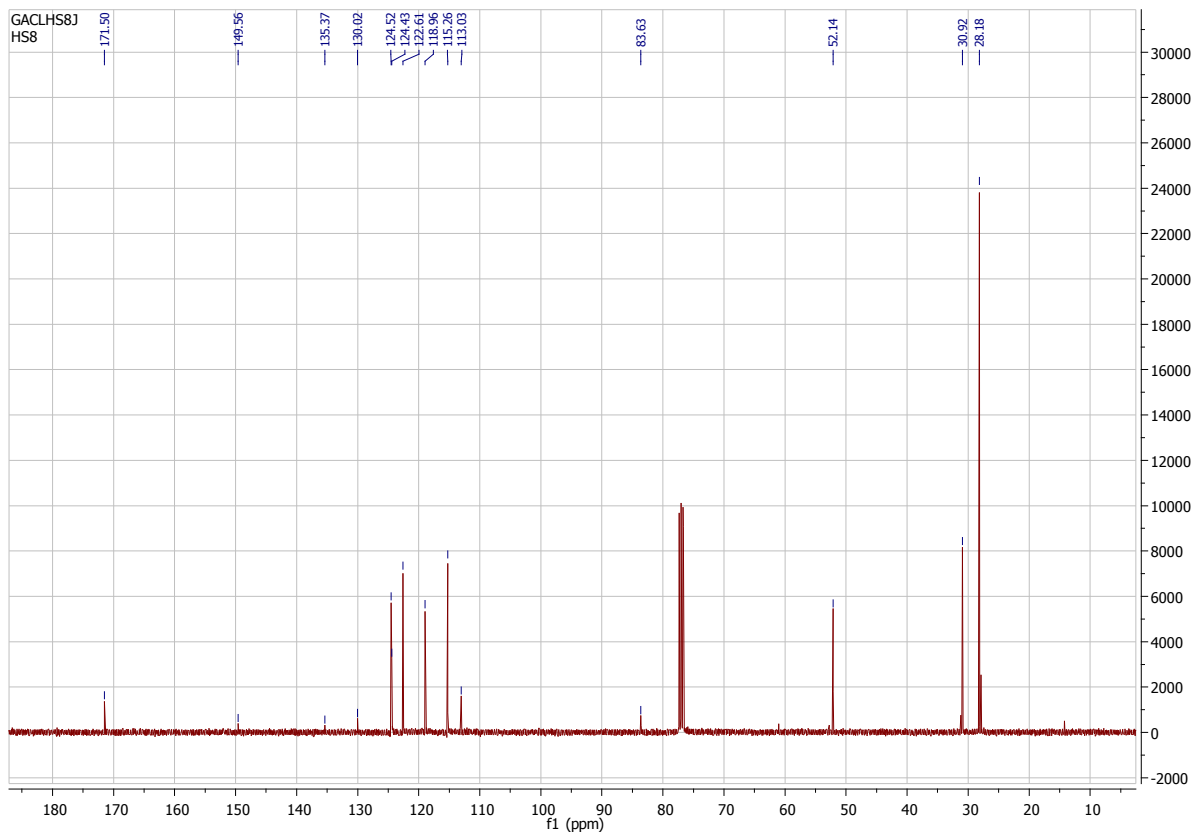
# Ethyl-N-Bocindol-3yl-acetat

## H-NMR



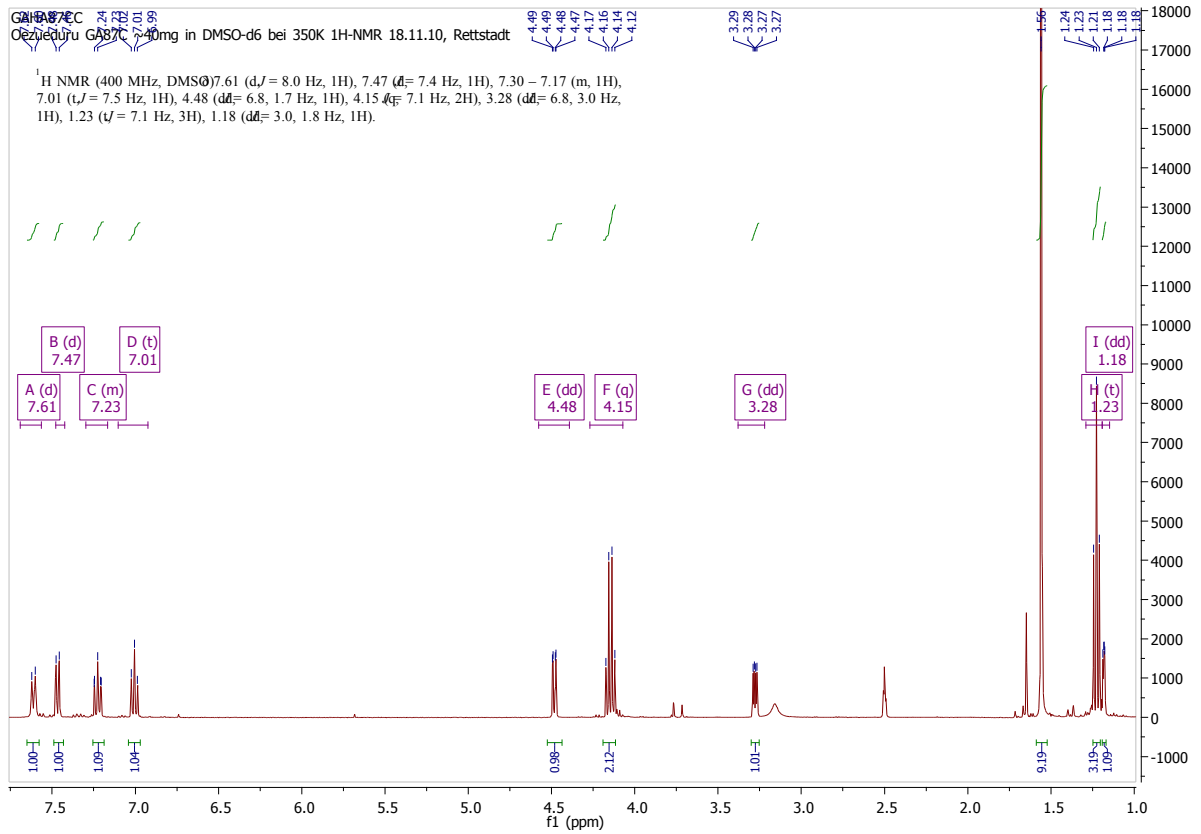
<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) 8.12 (d, *J* = 7.2 Hz, 1H), 7.55 (s, 1H), 7.51 (d, 7.8 Hz, 1H), 7.34 – 7.27 (m, 1H), 7.27 – 7.19 (m, 1H), 3.71 (s, 2H), 3.70 (s, 3H), 1.64 (s, 10H).

## C-NMR

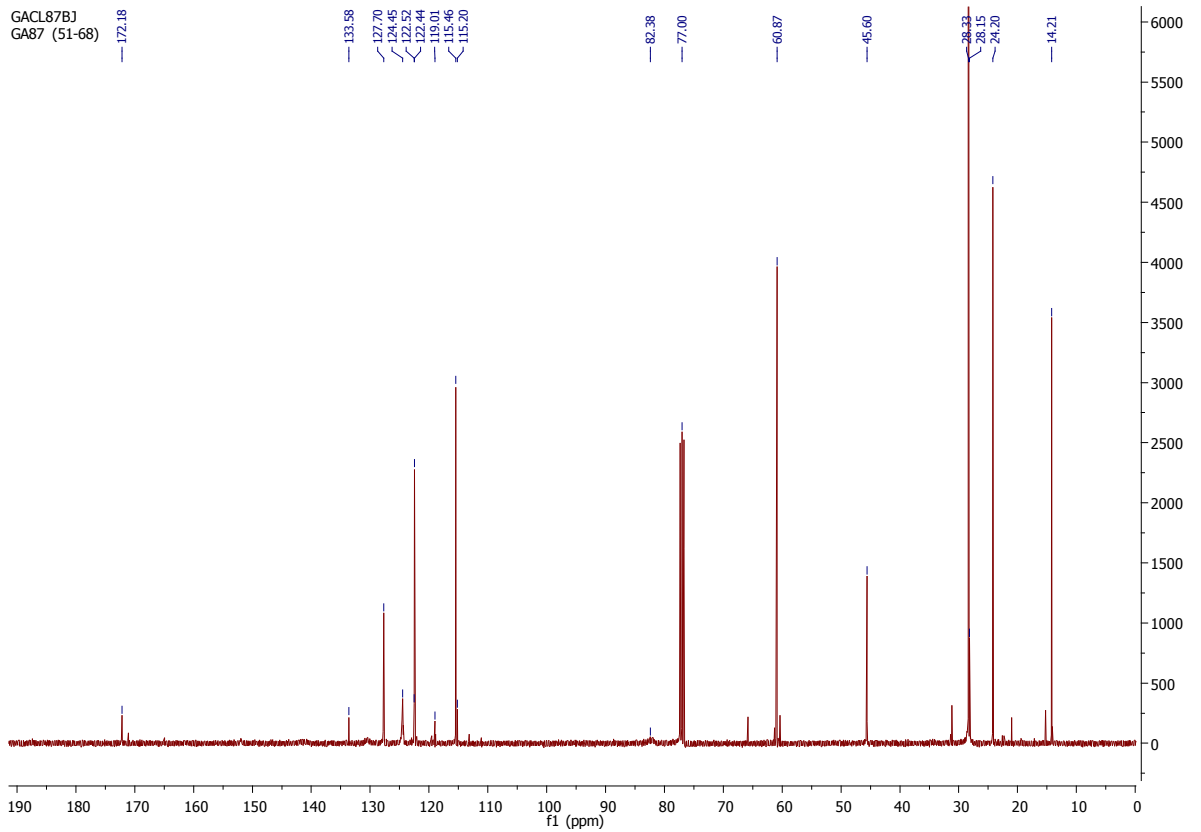


# Verbindung exo-96

## H-NMR

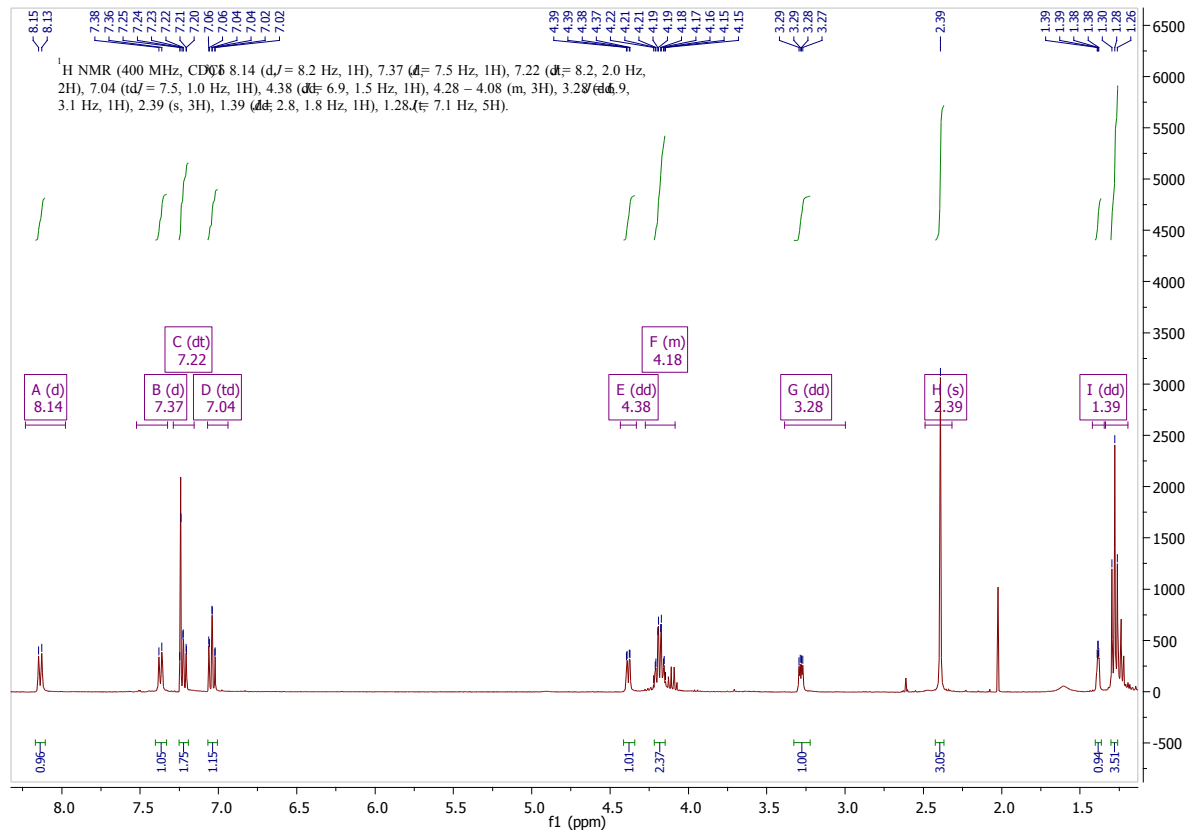


## C-NMR

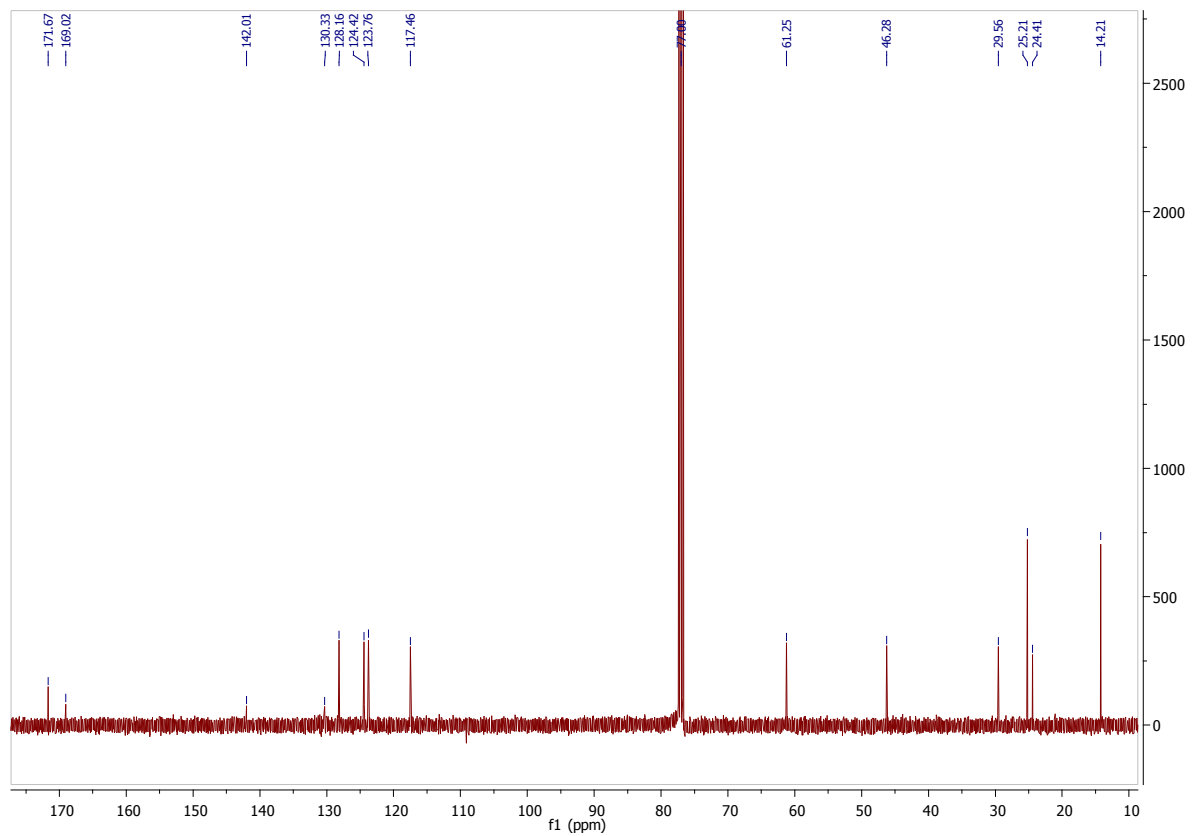


# Verbindung exo-98

## H-NMR



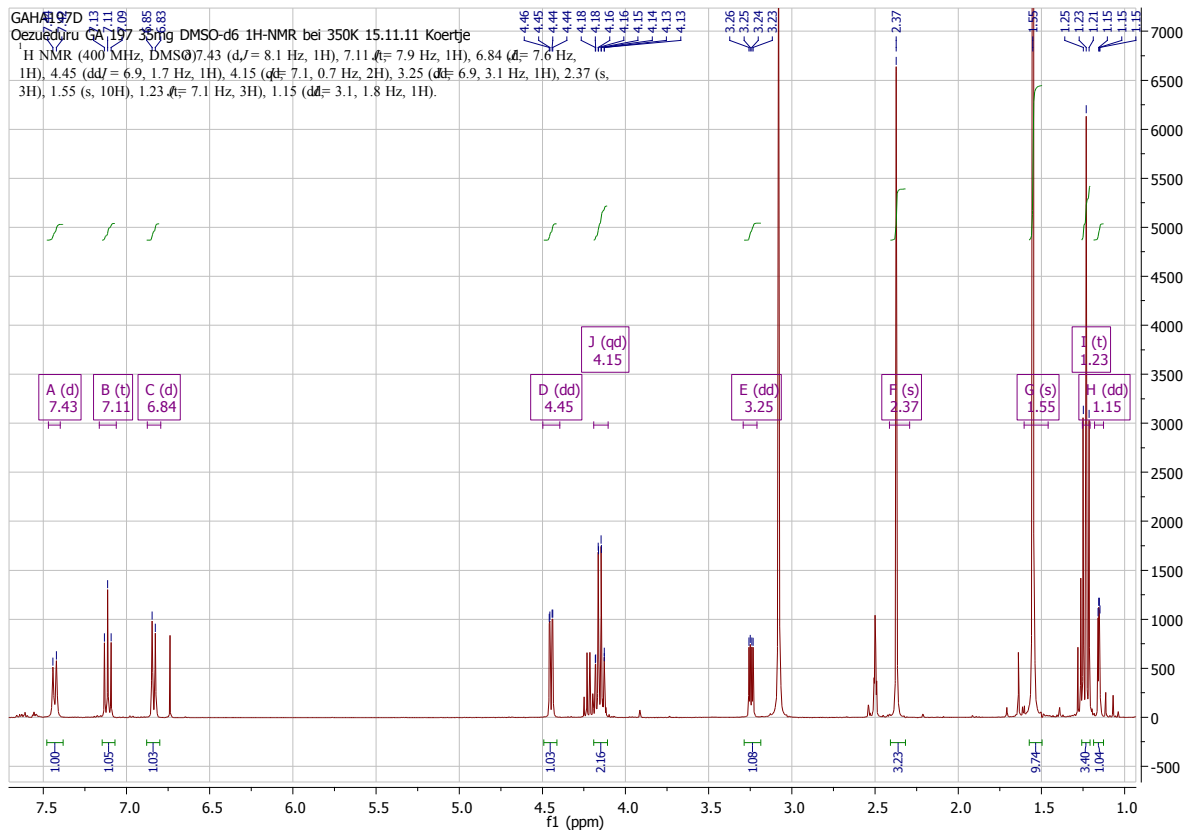
## C-NMR



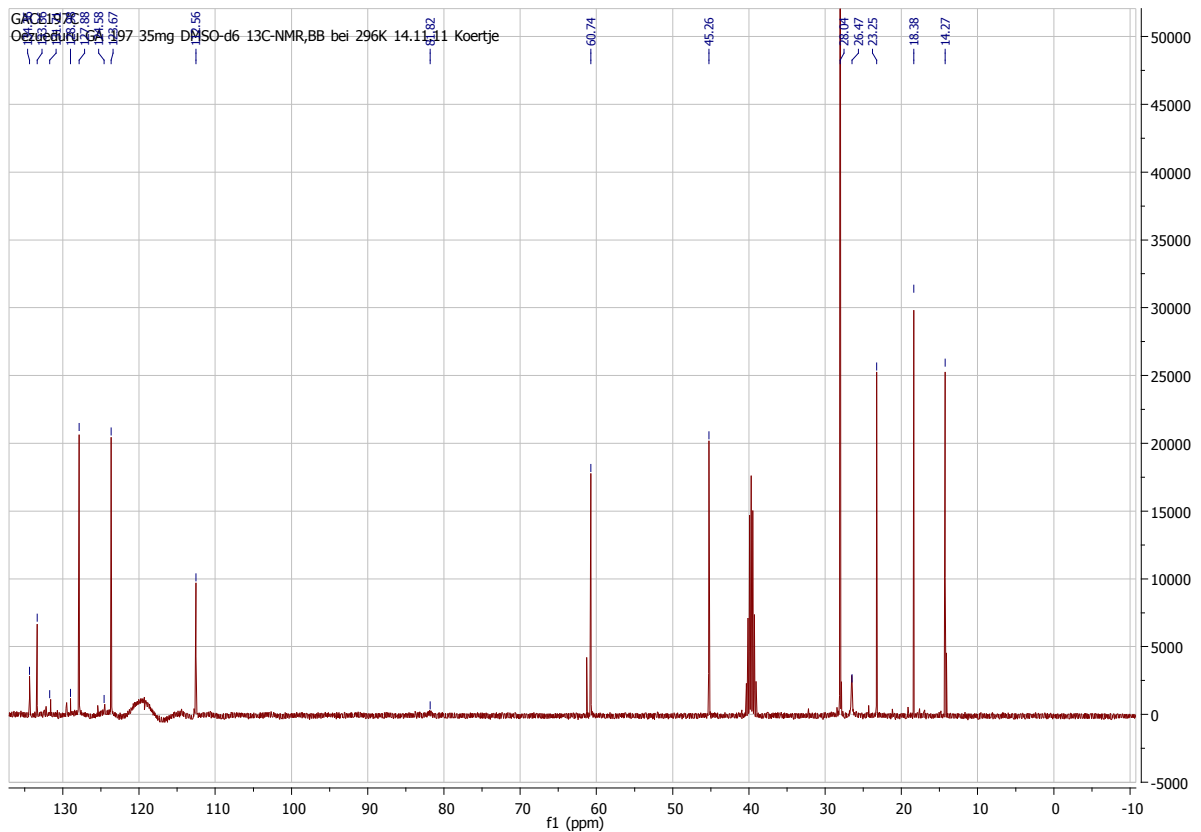


# Verbindung exo-106

## H-NMR

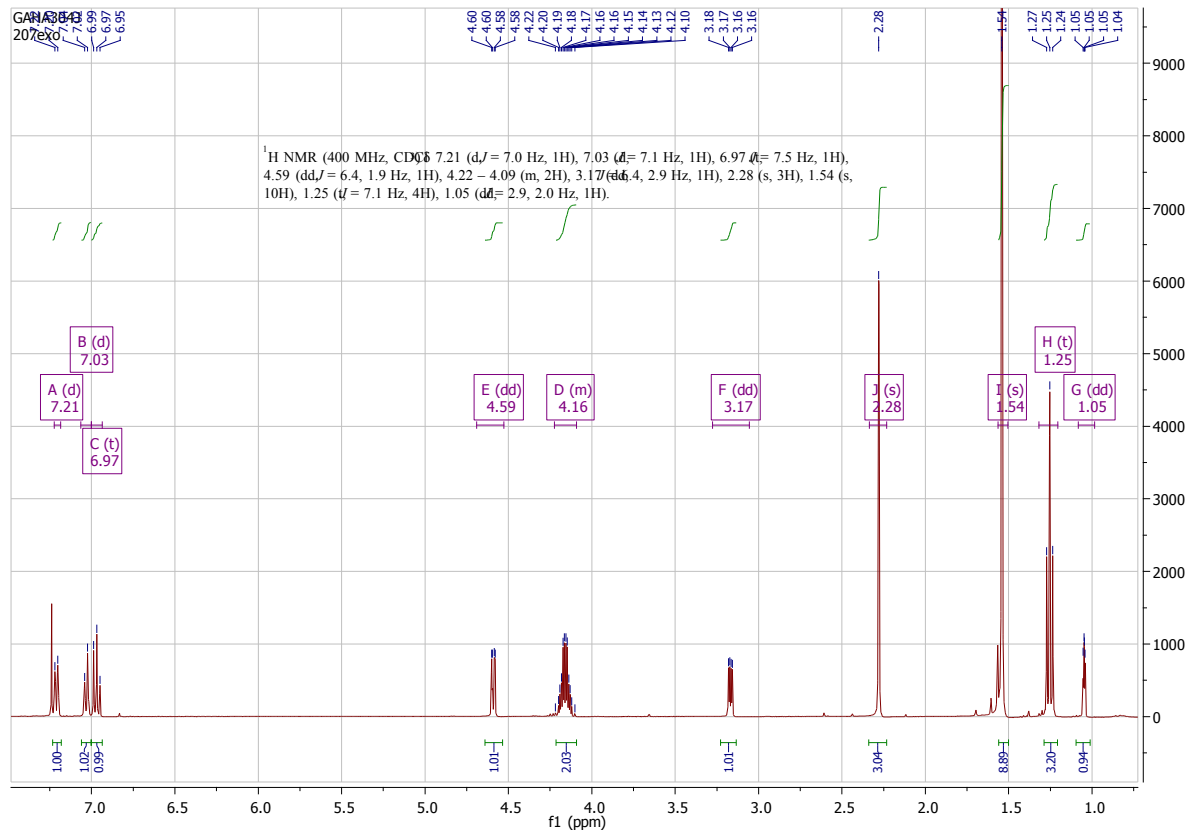


## C-NMR

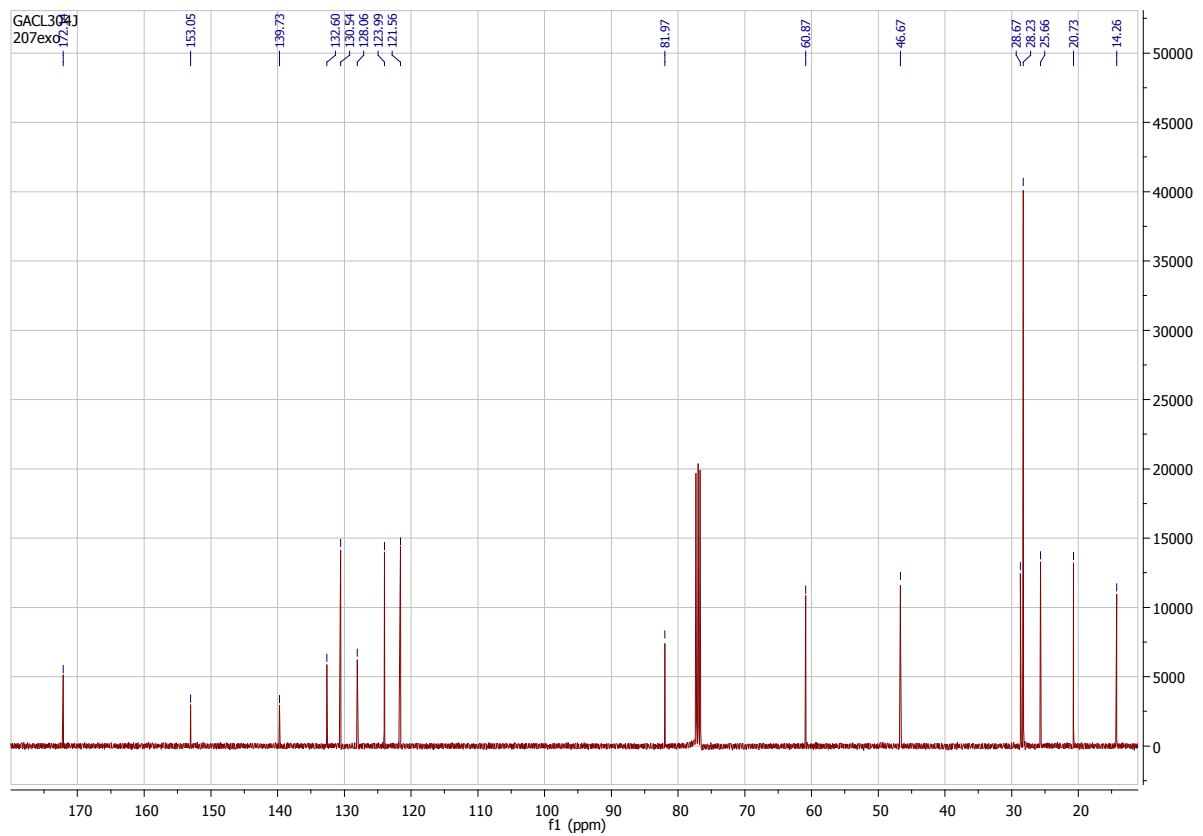


# Verbindung exo-108

## H-NMR

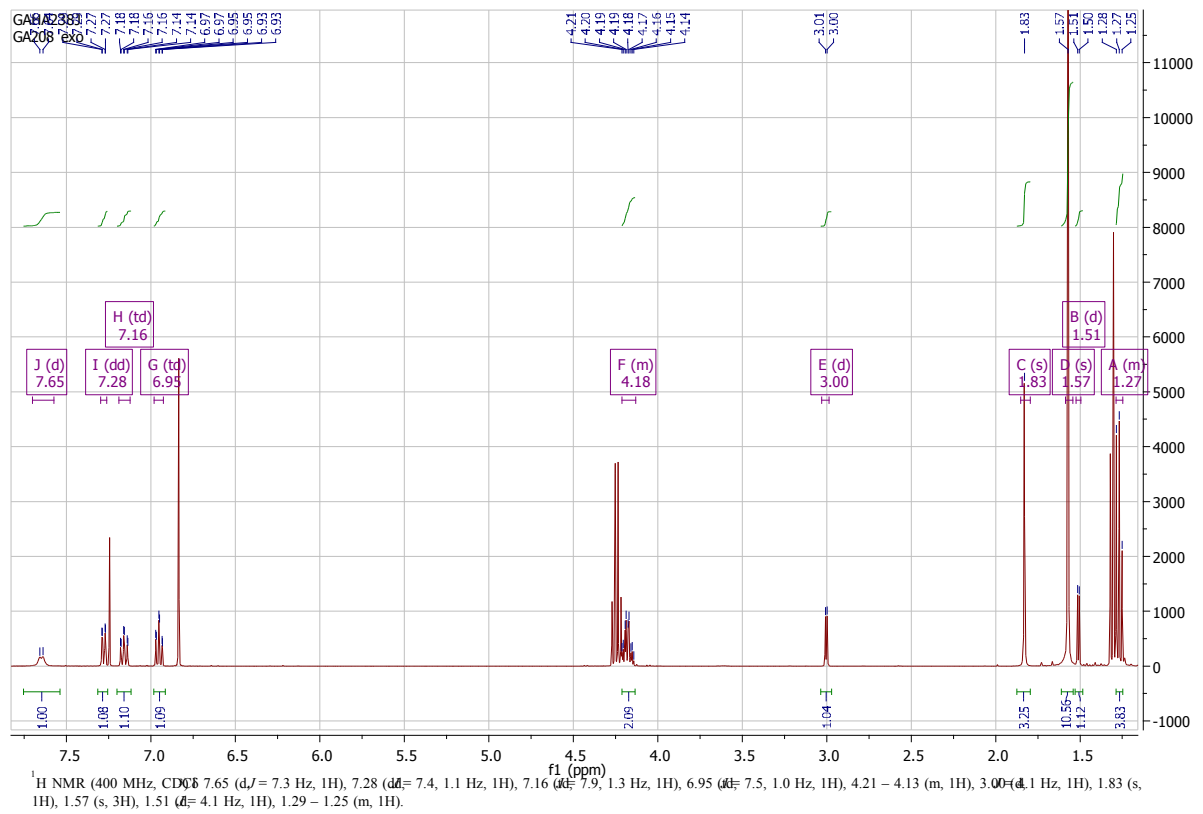


## C-NMR

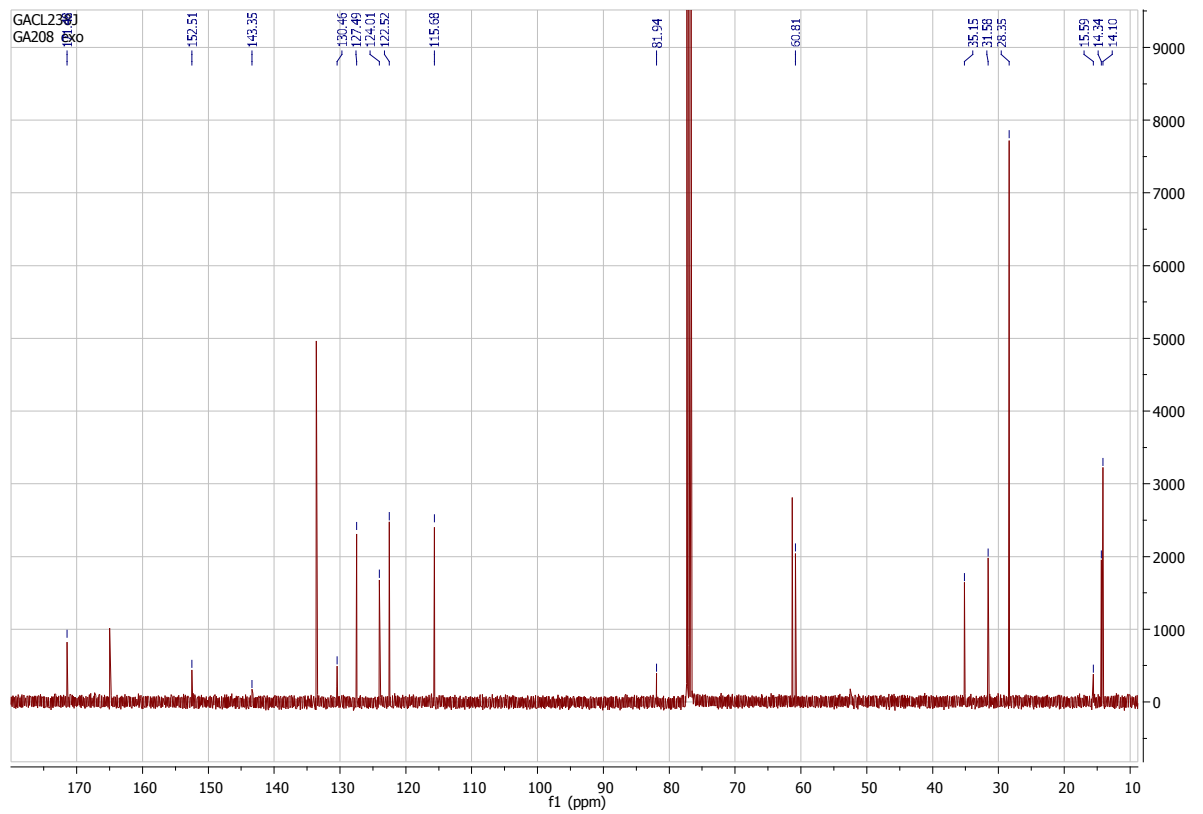


# Verbindung exo-110

## H-NMR



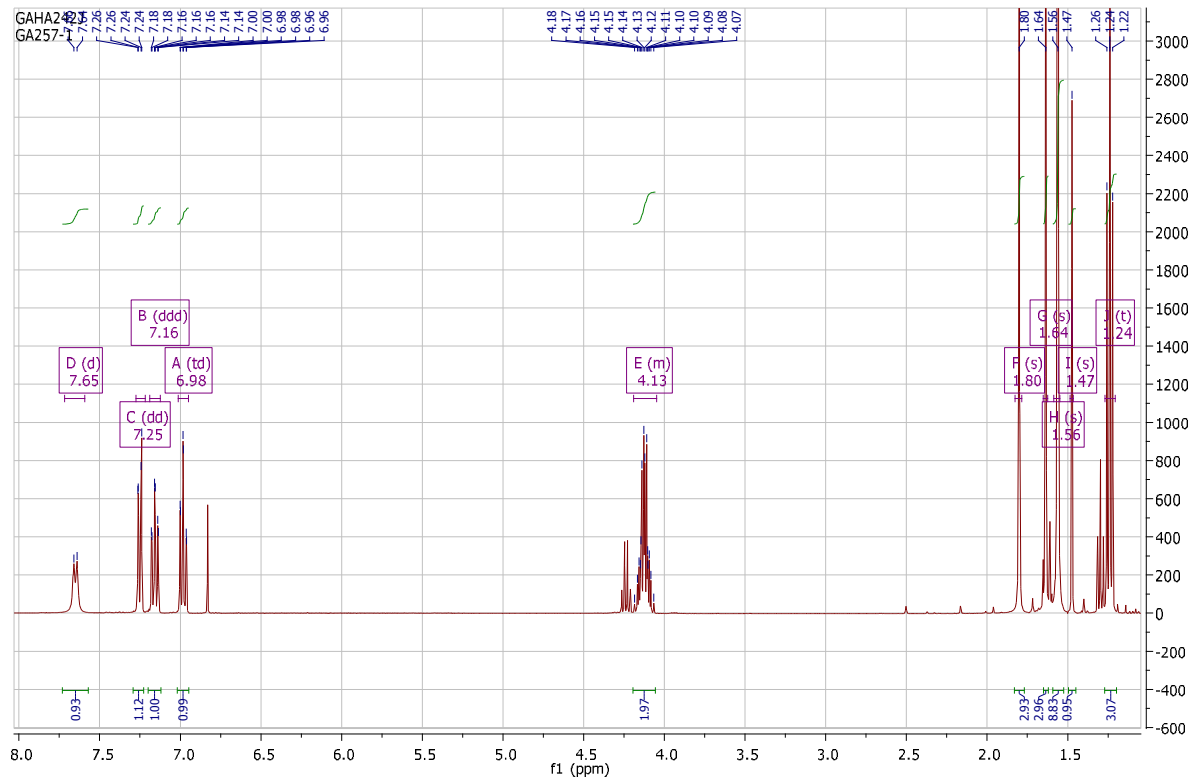
## C-NMR





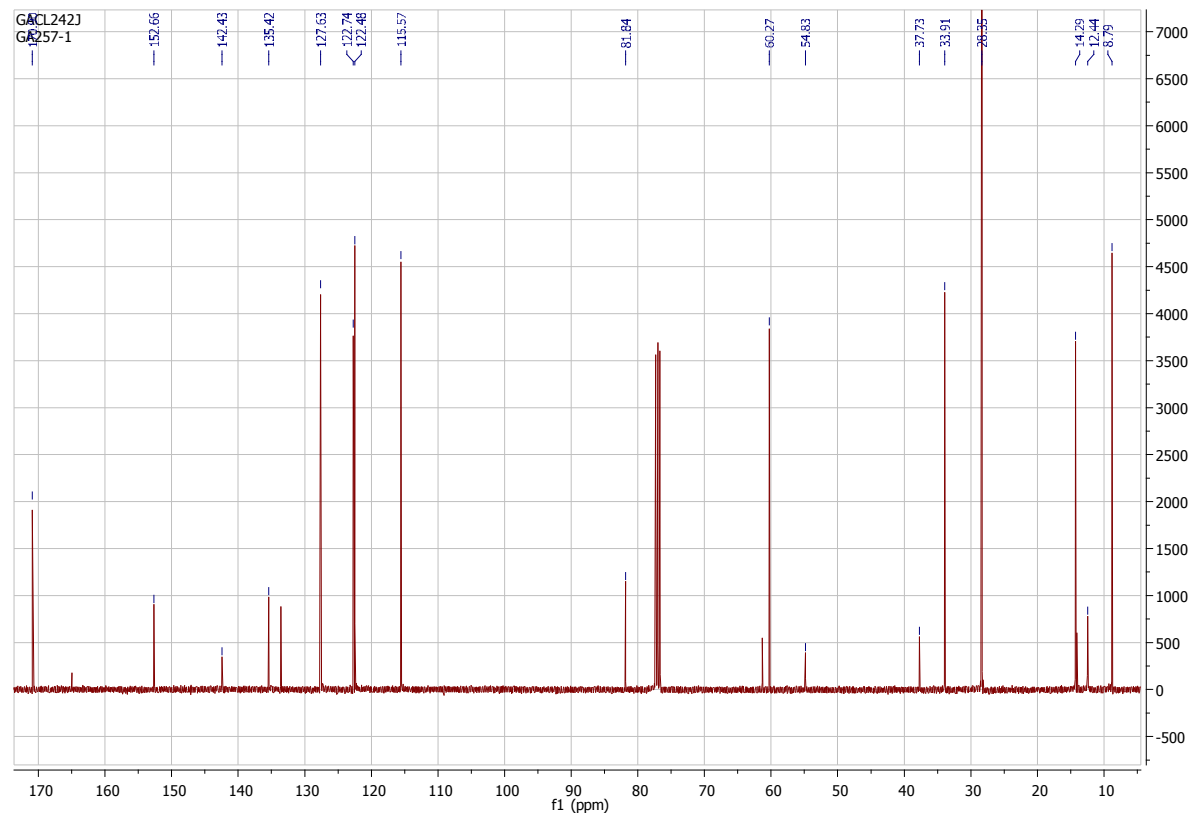
# Verbindung exo-112

## H-NMR



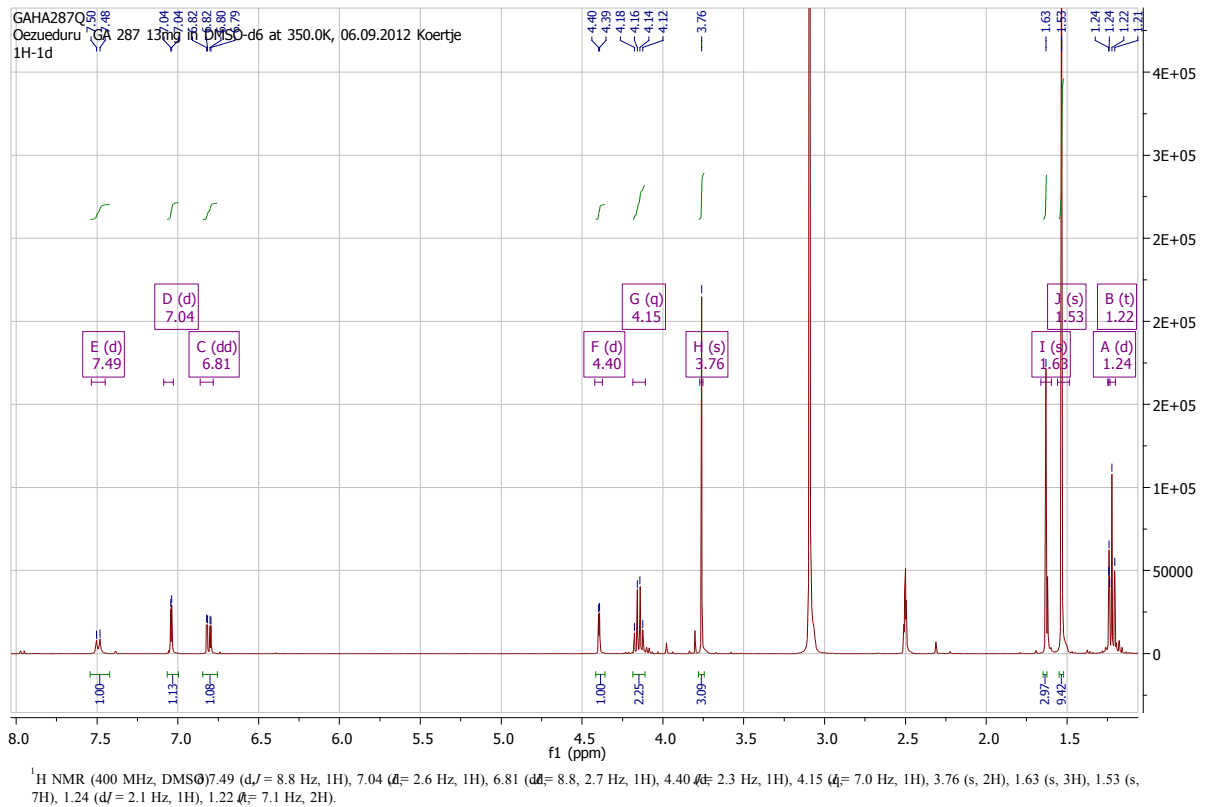
<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) 7.65 (d, *J* = 7.9 Hz, 1H), 7.25 (dd, *J* = 7.8, 1.2 Hz, 1H), 7.16 (ddd, *J* = 8.9, 7.9, 1.3 Hz, 1H), 6.98 (td, *J* = 7.5, 1.0 Hz, 1H), 4.19 – 4.05 (m, 2H), 1.80 (s, 3H), 1.64 (s, 3H), 1.56 (s, 9H), 1.47 (s, 1H), 1.24 (t, *J* = 7.1 Hz, 3H).

## C-NMR

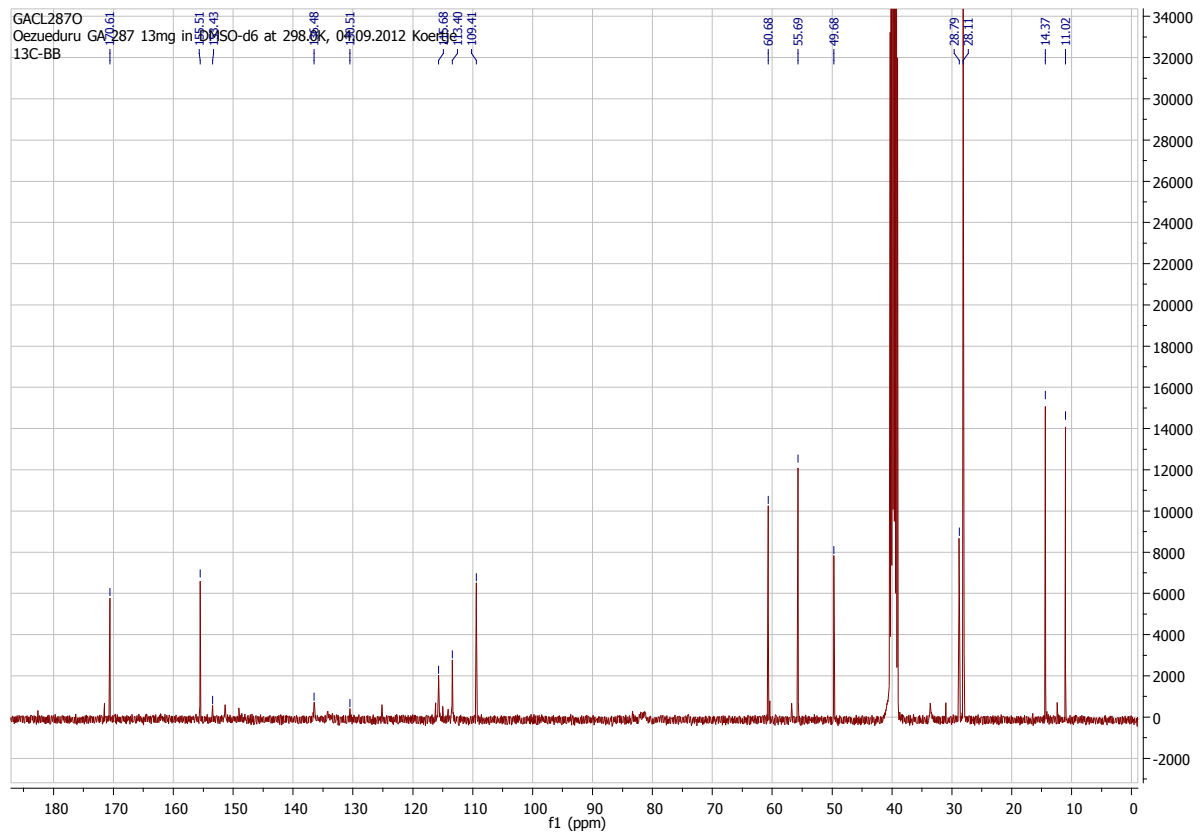


# Verbindung exo-116

## H-NMR

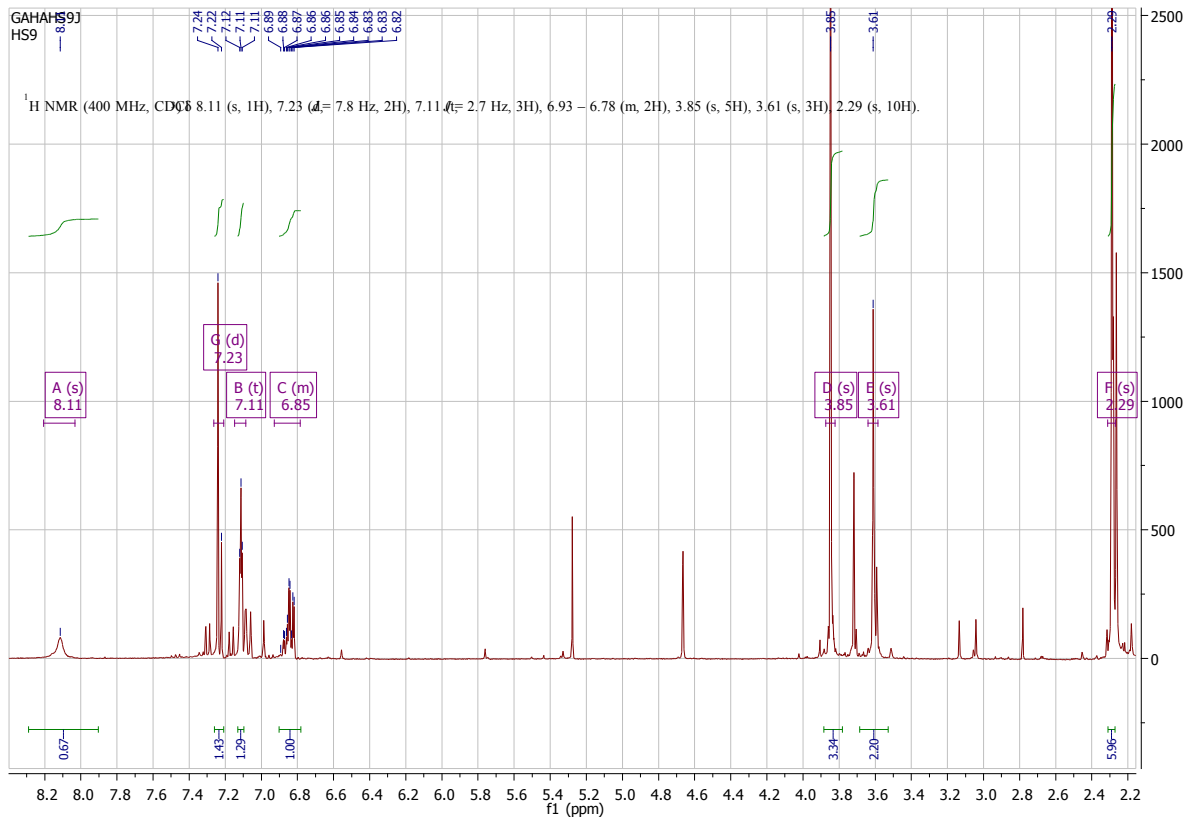


## C-NMR

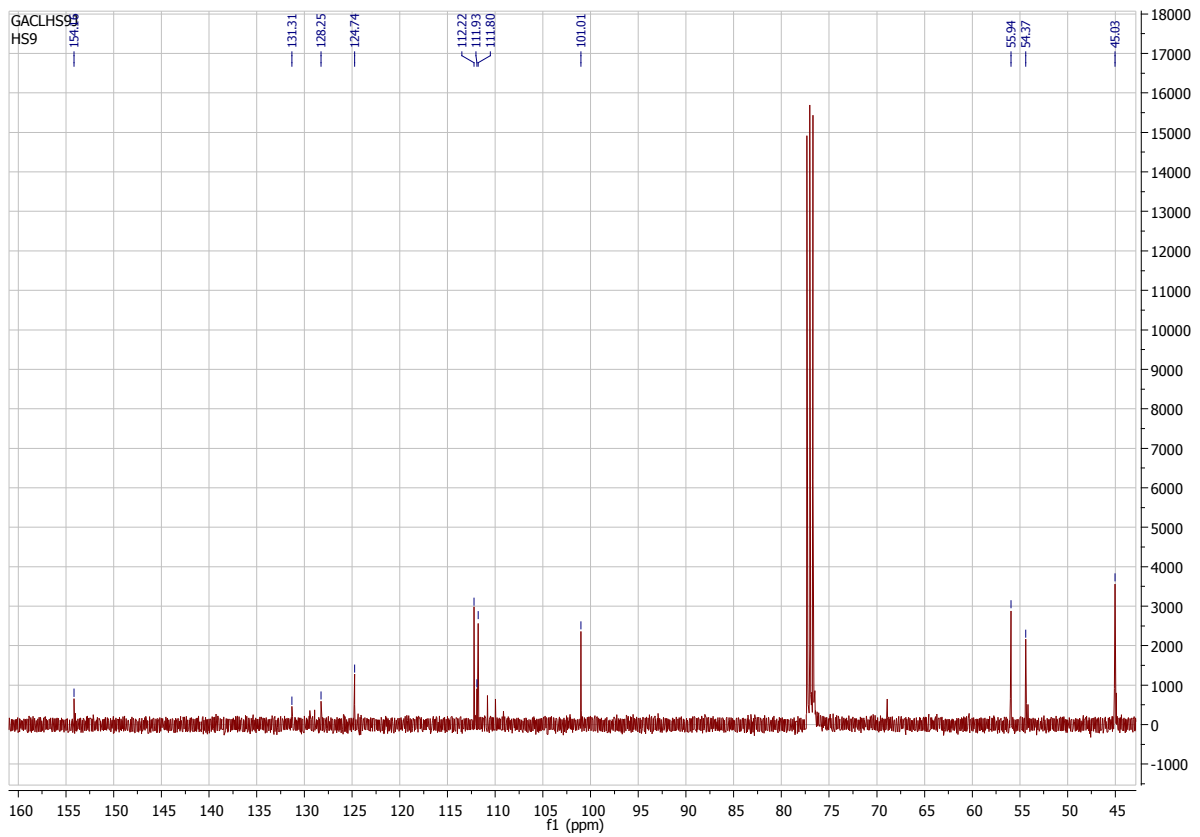


# Verbindung 115a

## H-NMR

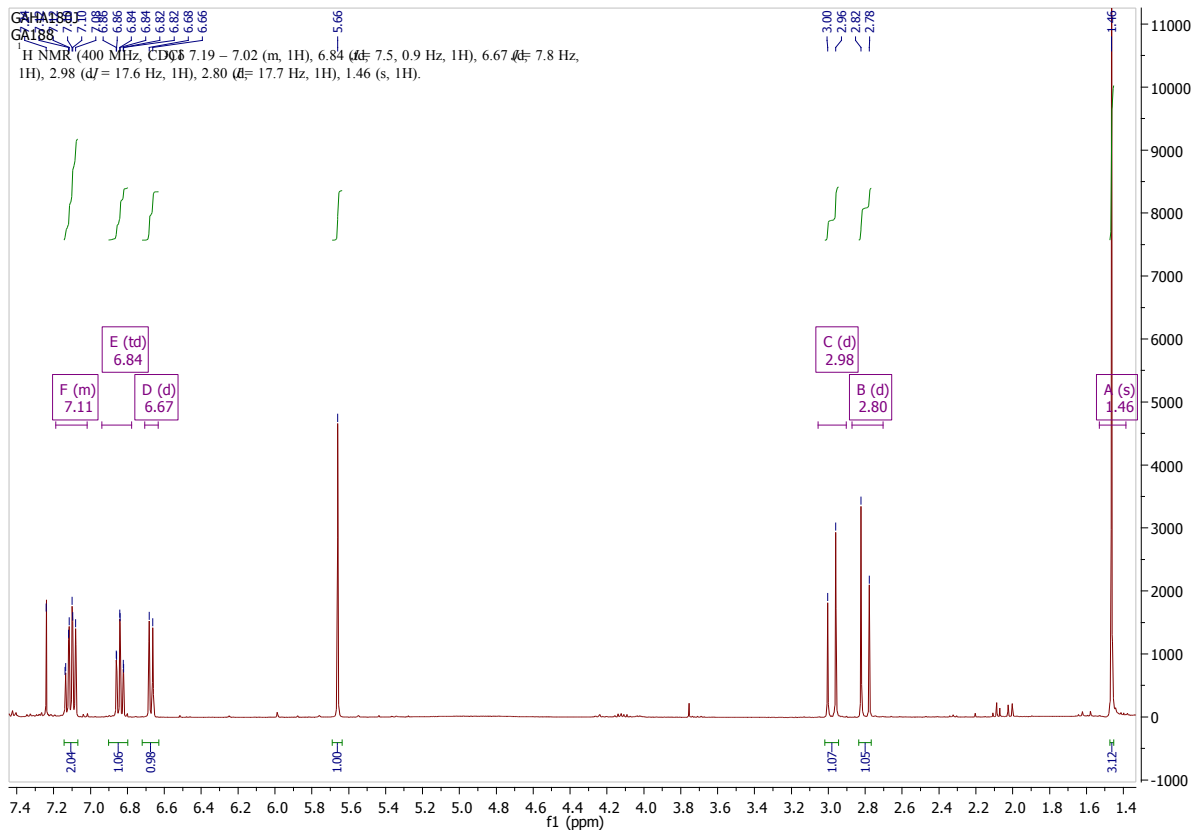


## C-NMR

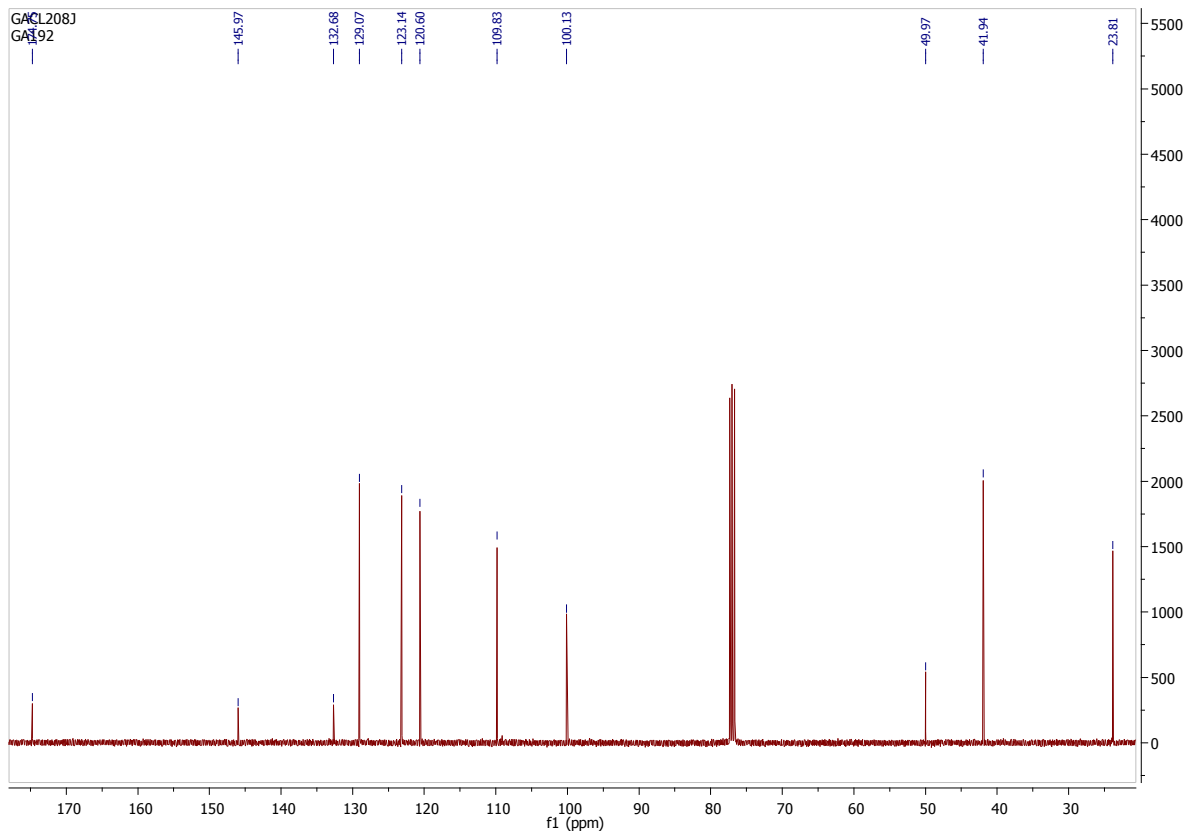


# Verbindung 104

## H-NMR

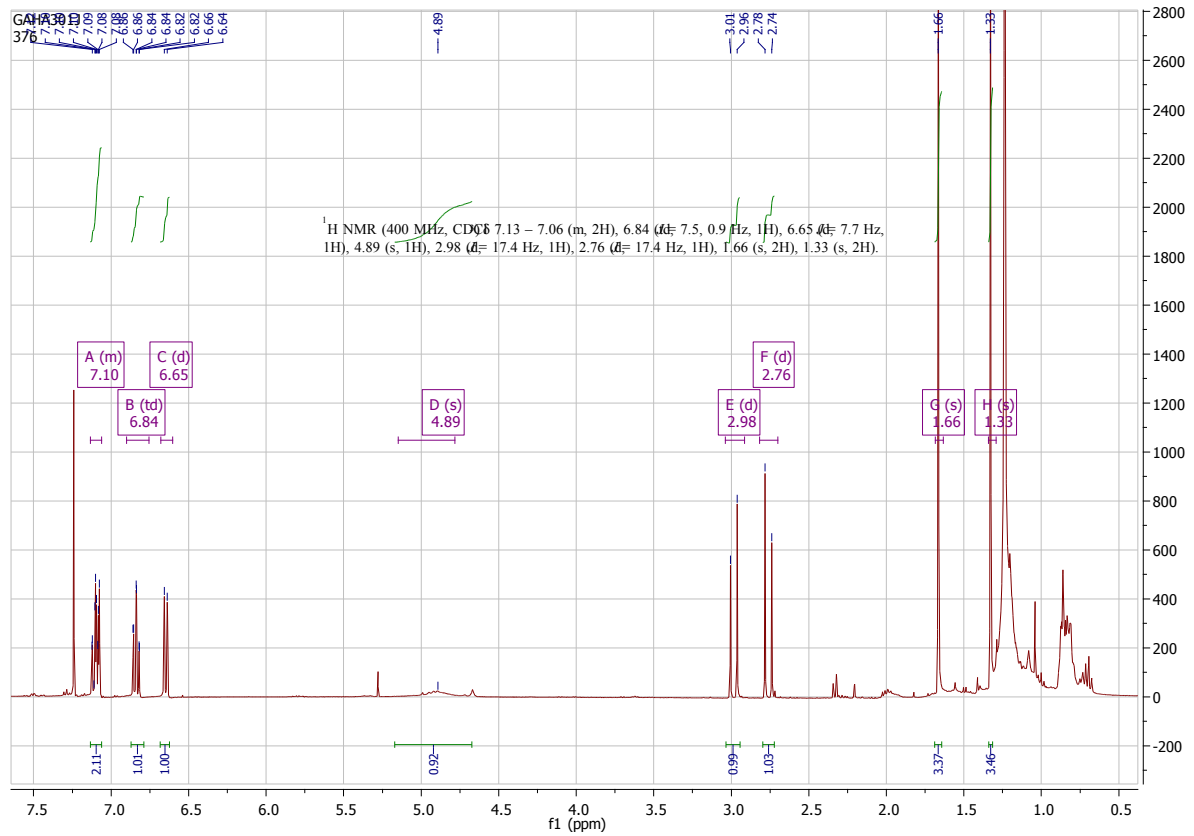


## C-NMR

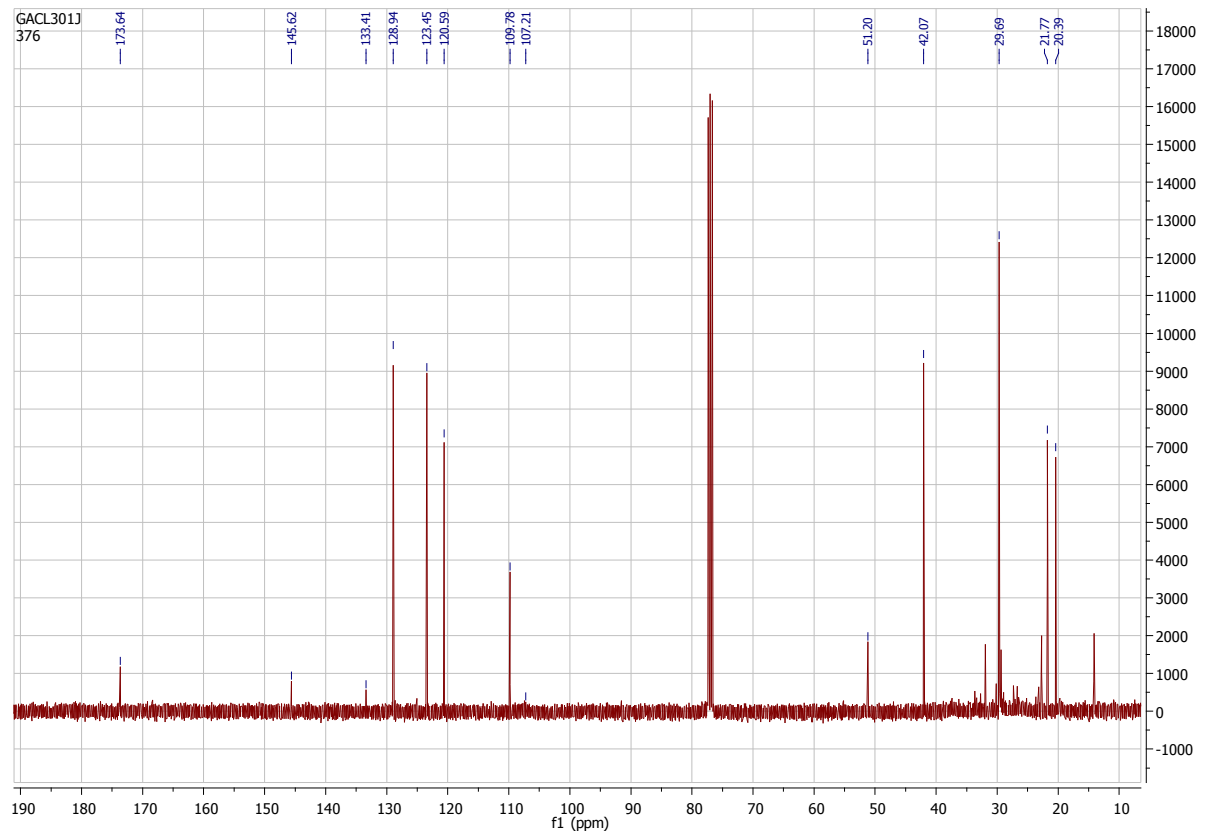


# Verbindung 114

## H-NMR

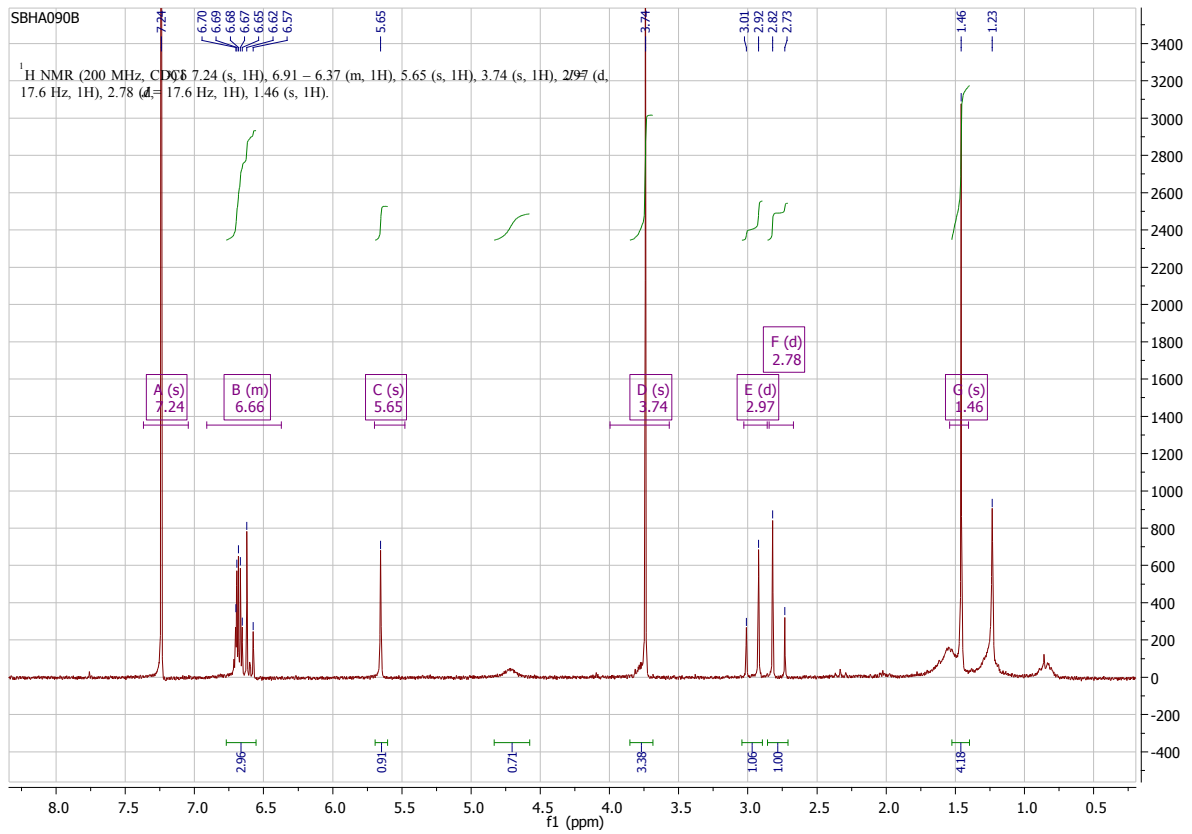


## C-NMR

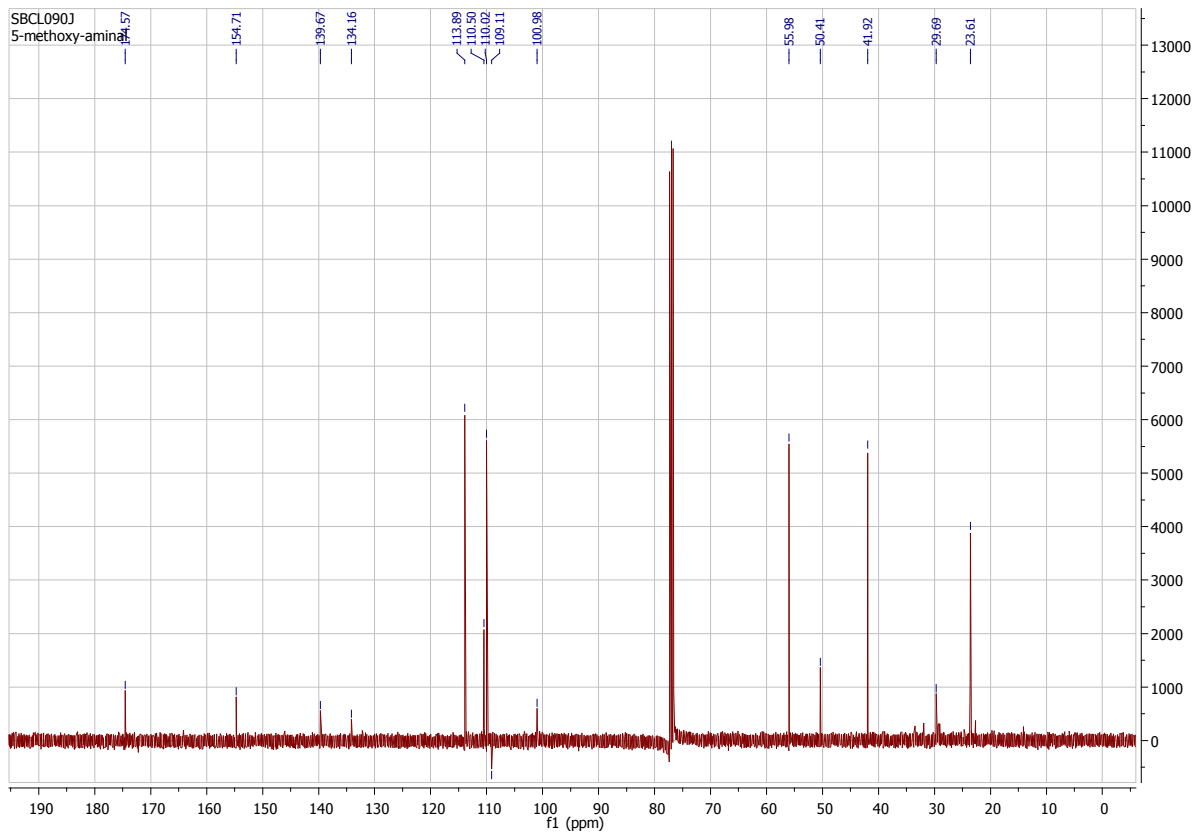


# Verbindung 118

## H-NMR

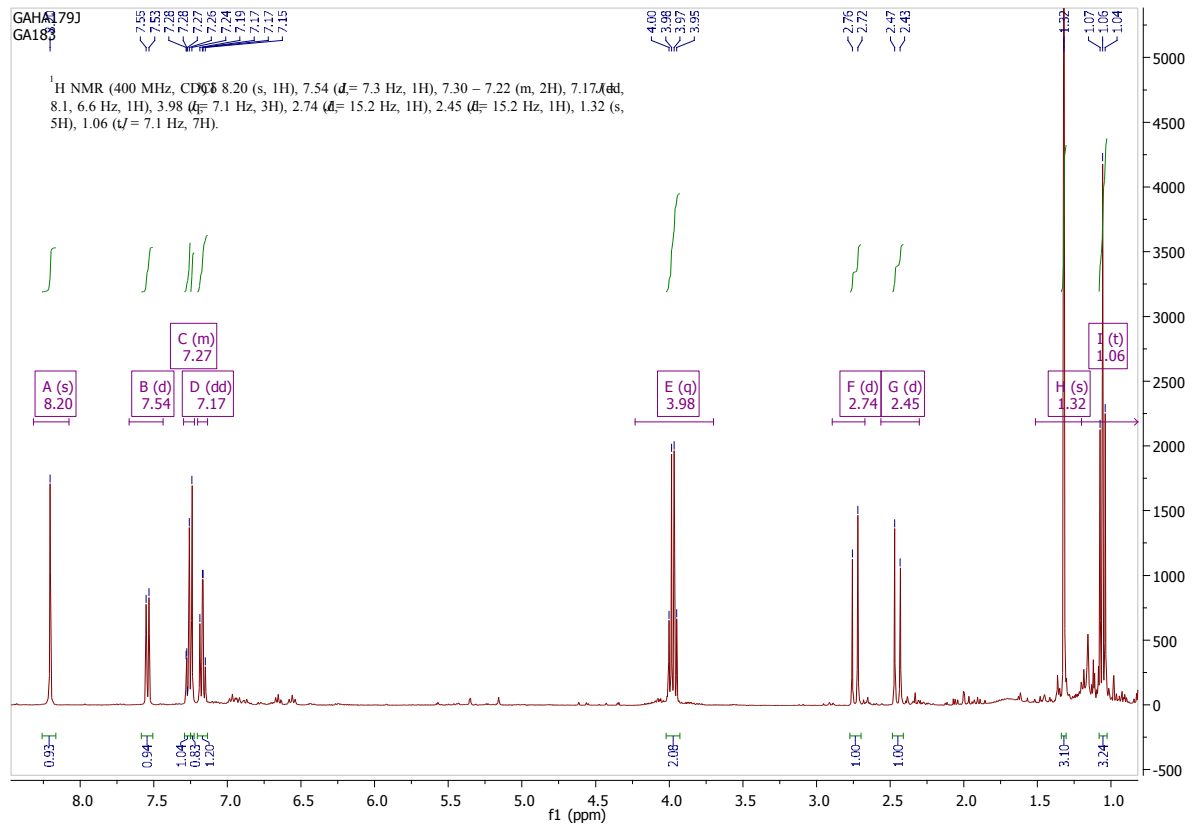


## C-NMR

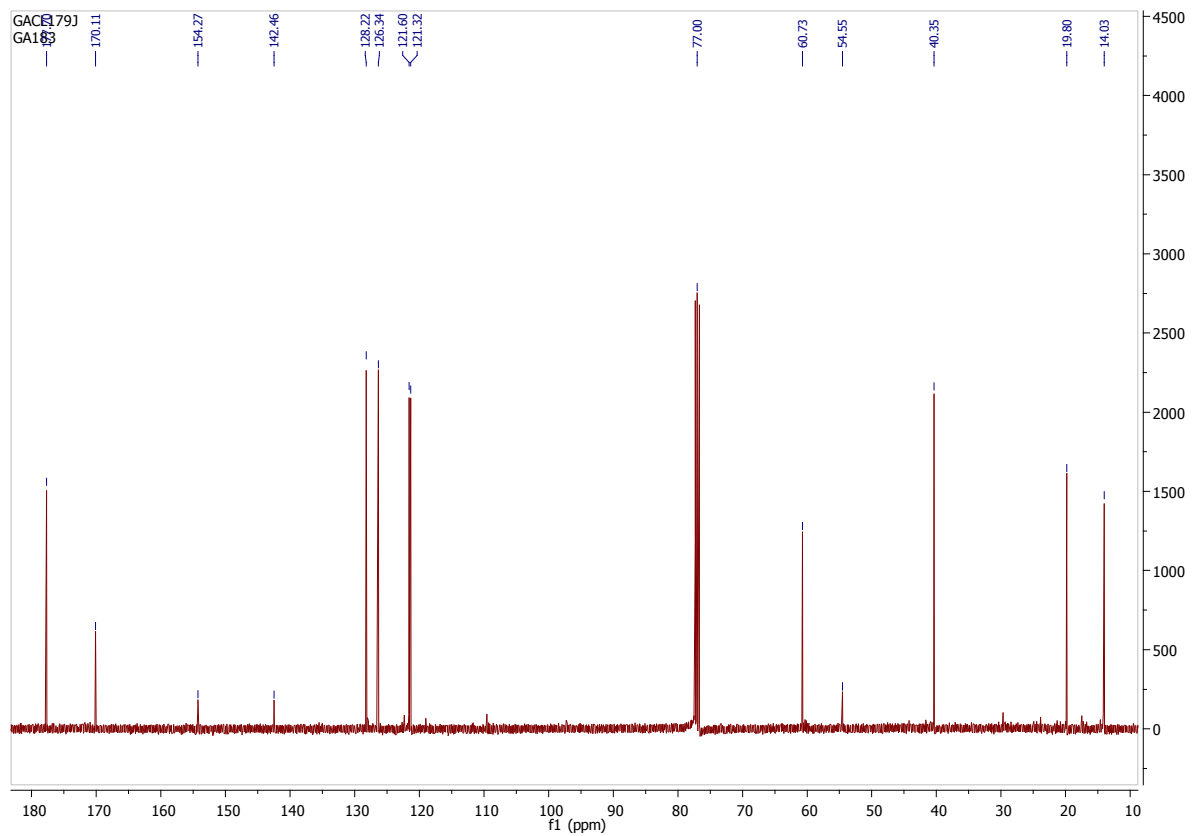


# Verbindung 103

## H-NMR

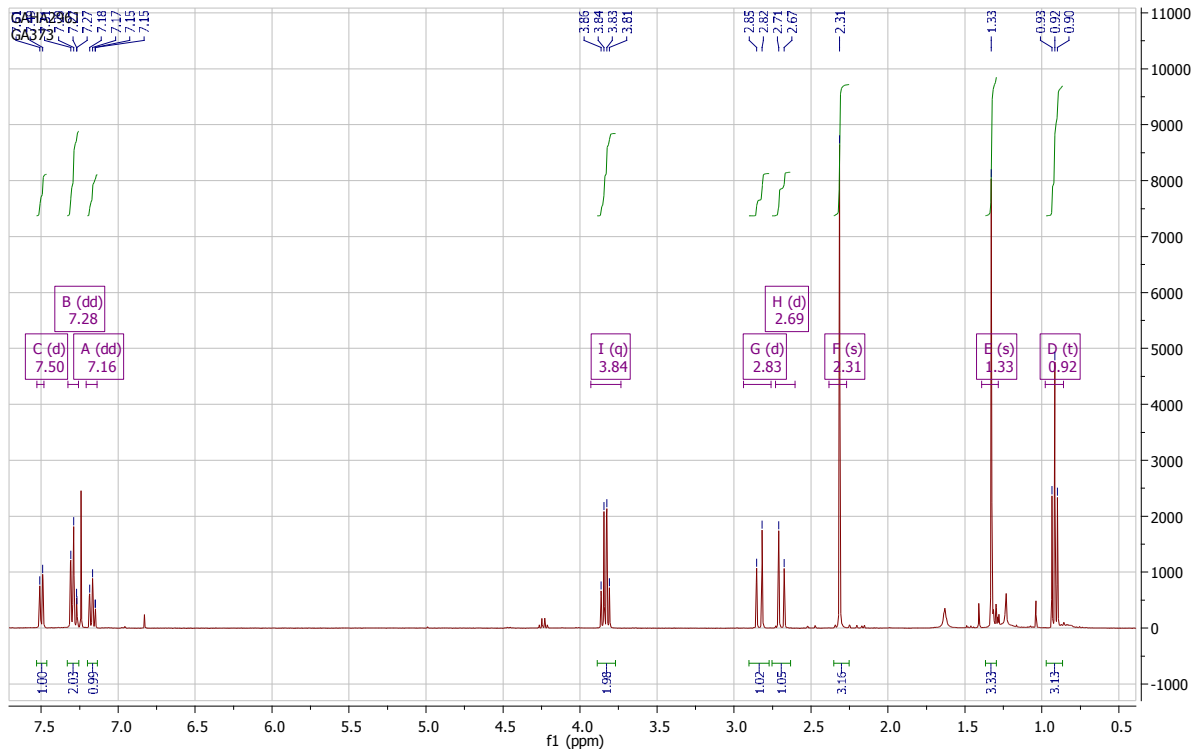


## C-NMR



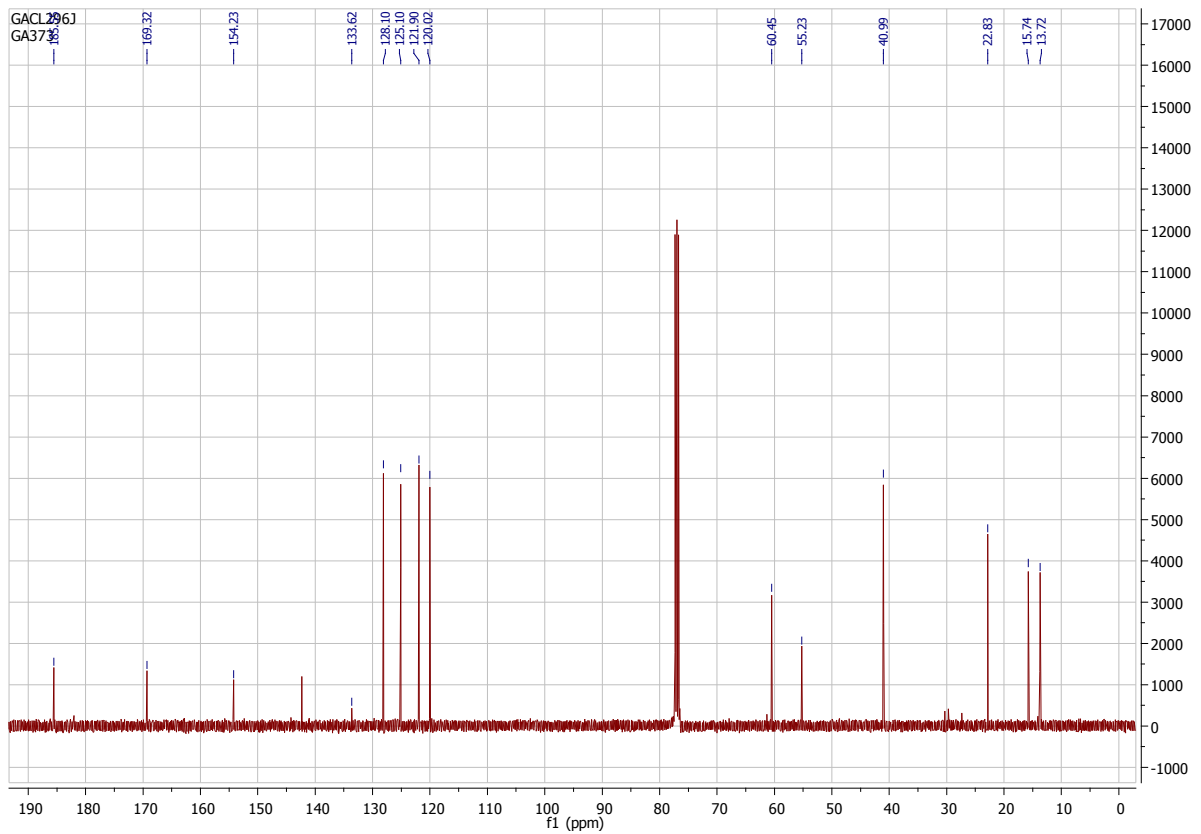
# Verbindung 113

## H-NMR



<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) δ 7.50 (d, J = 7.5 Hz, 1H), 7.28 (dd, J = 12.0, 4.4 Hz, 2H), 7.16 (dd, J = 10.8, 4.0 Hz, 1H), 3.84 (q, J = 7.1 Hz, 2H), 2.83 (d, J = 14.5 Hz, 1H), 2.69 (d, J = 14.5 Hz, 1H), 2.31 (s, 3H), 1.33 (s, 3H), 0.92 (t, J = 7.1 Hz, 3H).

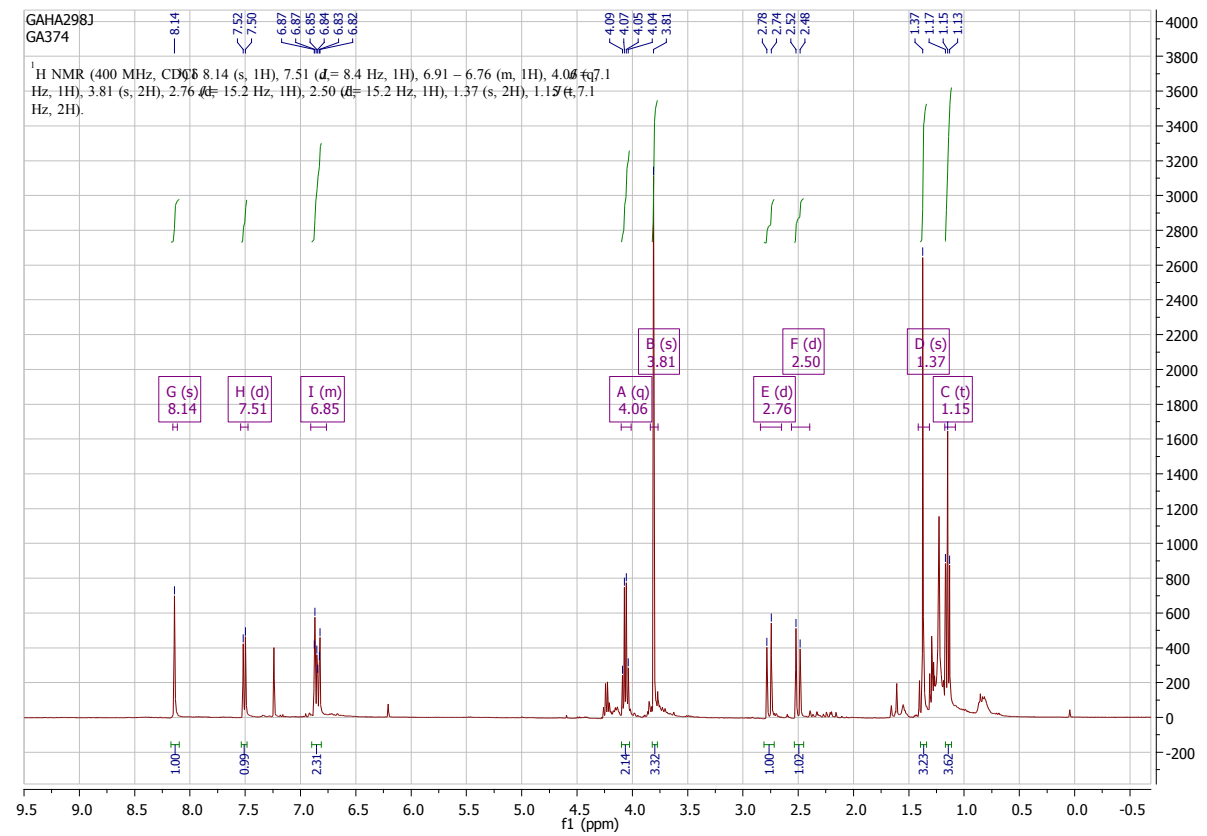
## C-NMR



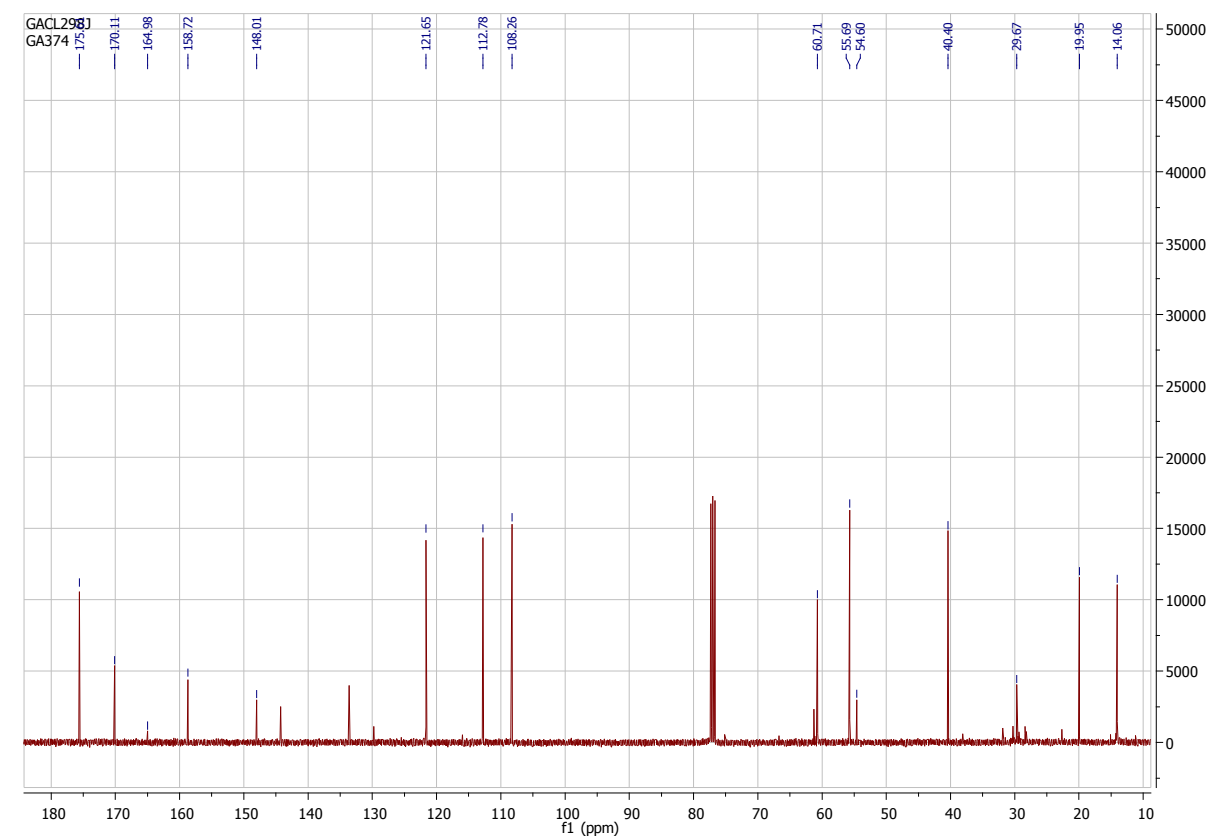


# Verbindung 117

## H-NMR

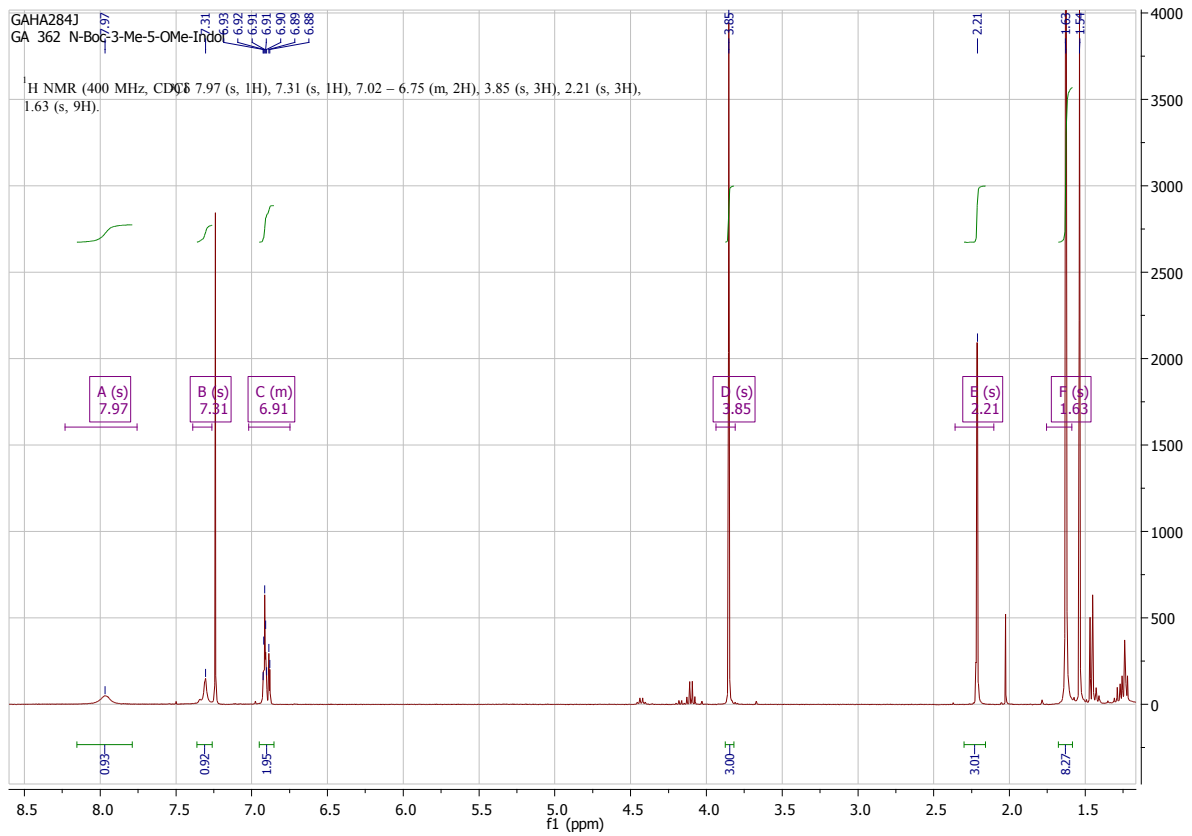


## C-NMR

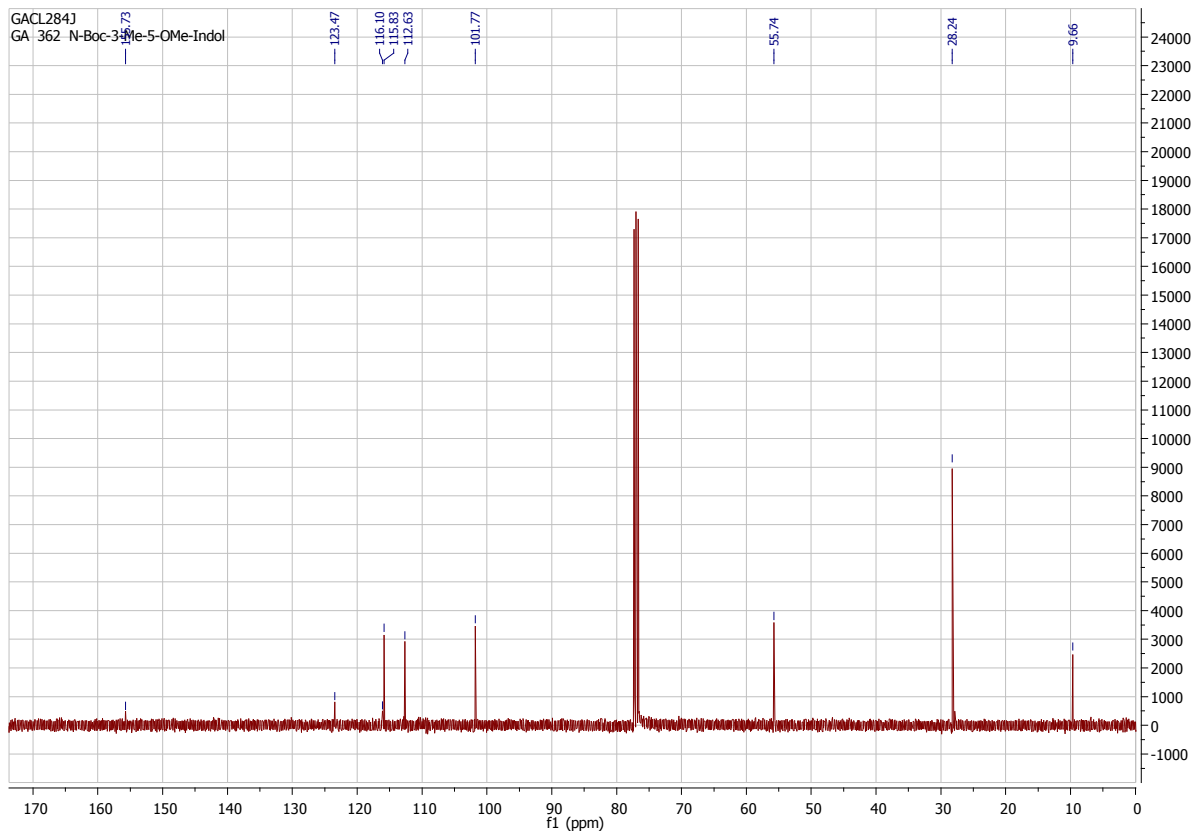


# Verbindung 115

## H-NMR

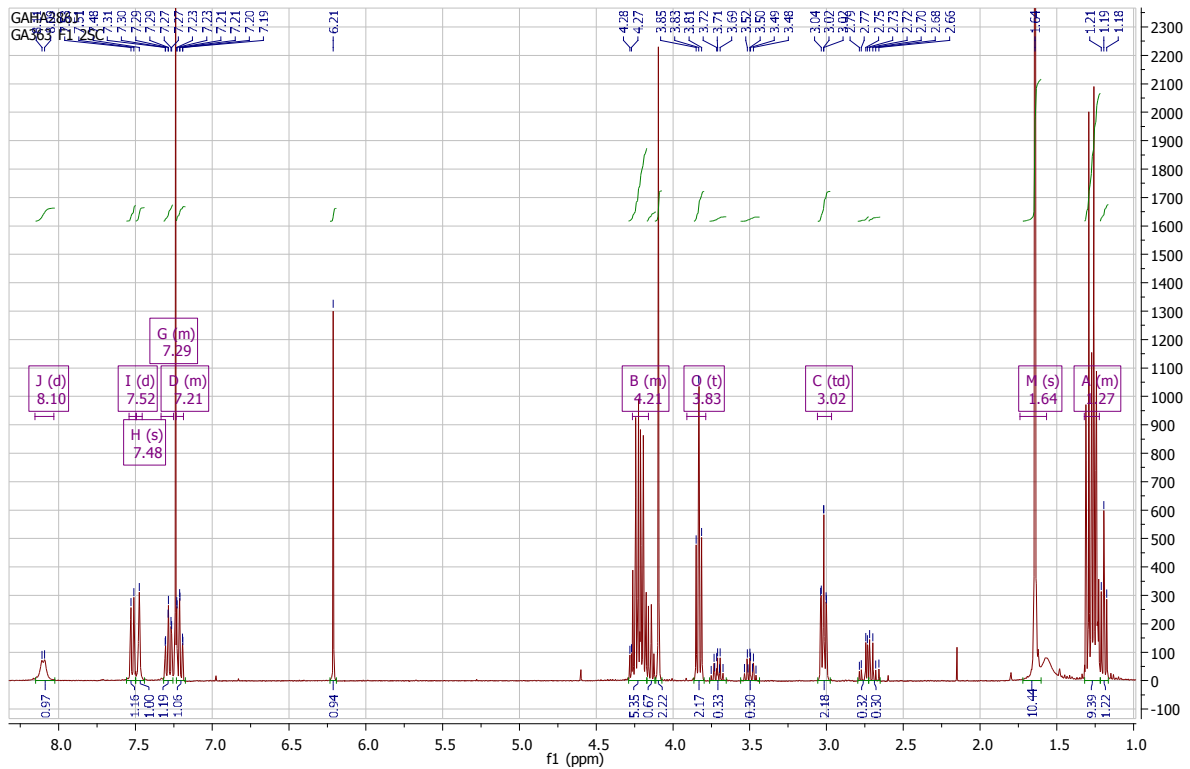


## C-NMR



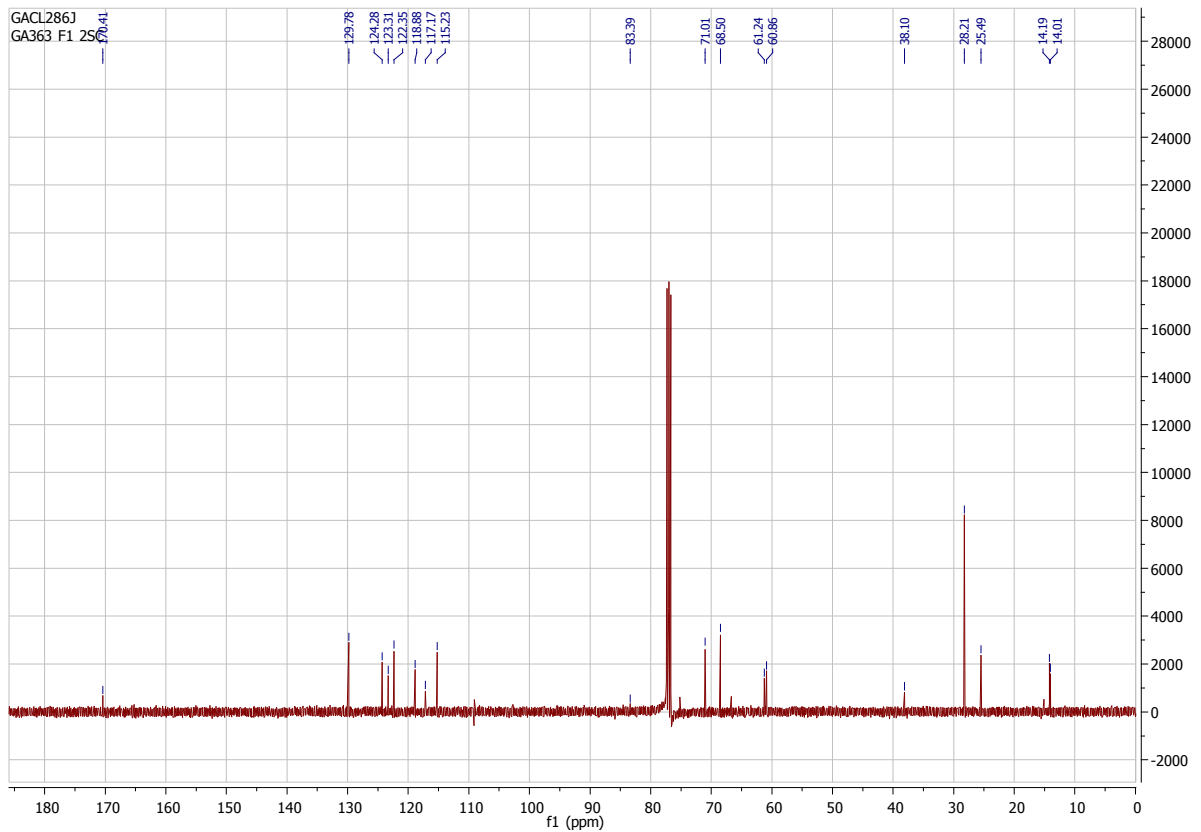
# Verbindung 121

## H-NMR



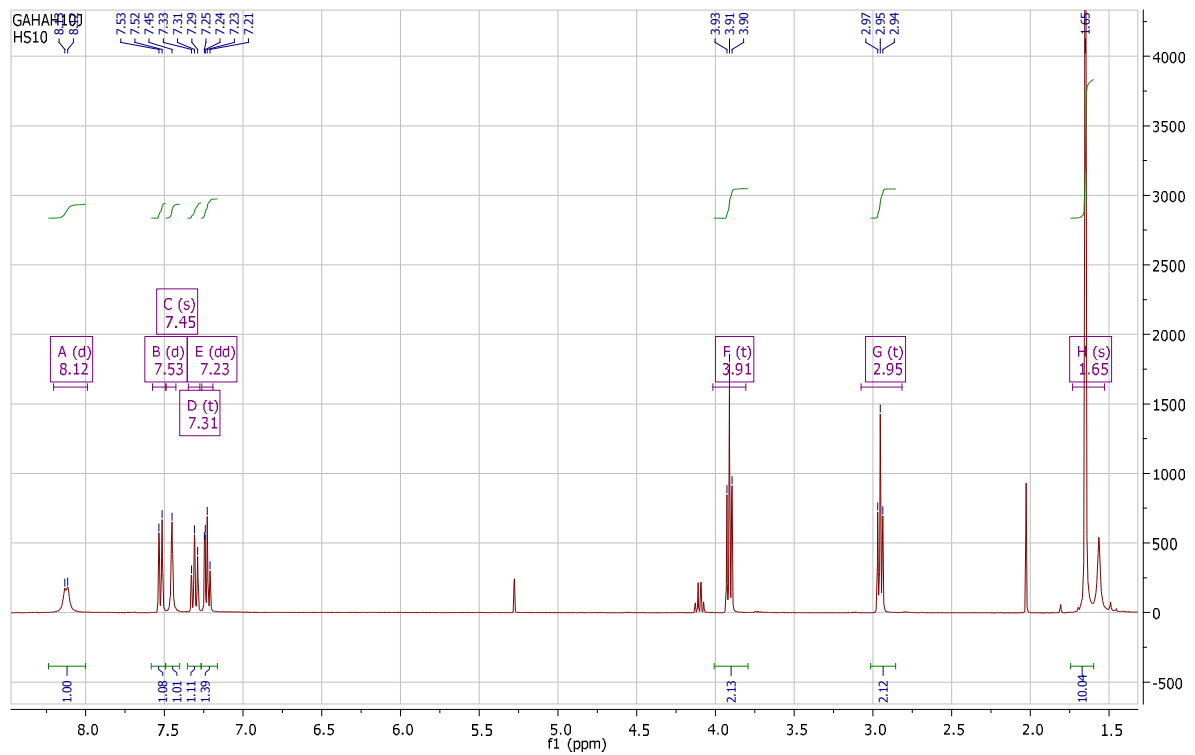
<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) 8.10 (d, J = 6.9 Hz, 3H), 7.52 (d, J = 7.3 Hz, 3H), 7.48 (s, 3H), 7.33 – 7.25 (m, 4H), 7.24 – 7.19 (m, 3H), 4.26 – 4.16 (m, 4H), 3.83 (t, 7H), 3.02 (td, 7.0, 1.0 Hz, 2H), 1.64 (s, 34H), 1.32 – 1.22 (m, 8H).

## C-NMR



# Verbindung 119

## H-NMR



<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) δ 8.12 (d, *J* = 6.8 Hz, 1H), 7.53 (d, *J* = 7.7 Hz, 1H), 7.45 (s, 1H), 7.31 (t, *J* = 7.7 Hz, 1H), 7.23 (dd, *J* = 10.1, 4.9 Hz, 1H), 3.91 (t, *J* = 6.4 Hz, 2H), 2.95 (t, *J* = 6.4 Hz, 2H), 1.65 (s, 12H).

## C-NMR

