Supplementary Materials: 2-*C*-Alkynyl and 2-*C*-*cis*-Alkenyl β-Mannosides with Acetal Protected γ-Aldehyde Functionality via 2-Uloside Alkynylation and Lindlar Hydrogenation

Daniel Borowski, Melchior Menzel and Thomas Ziegler

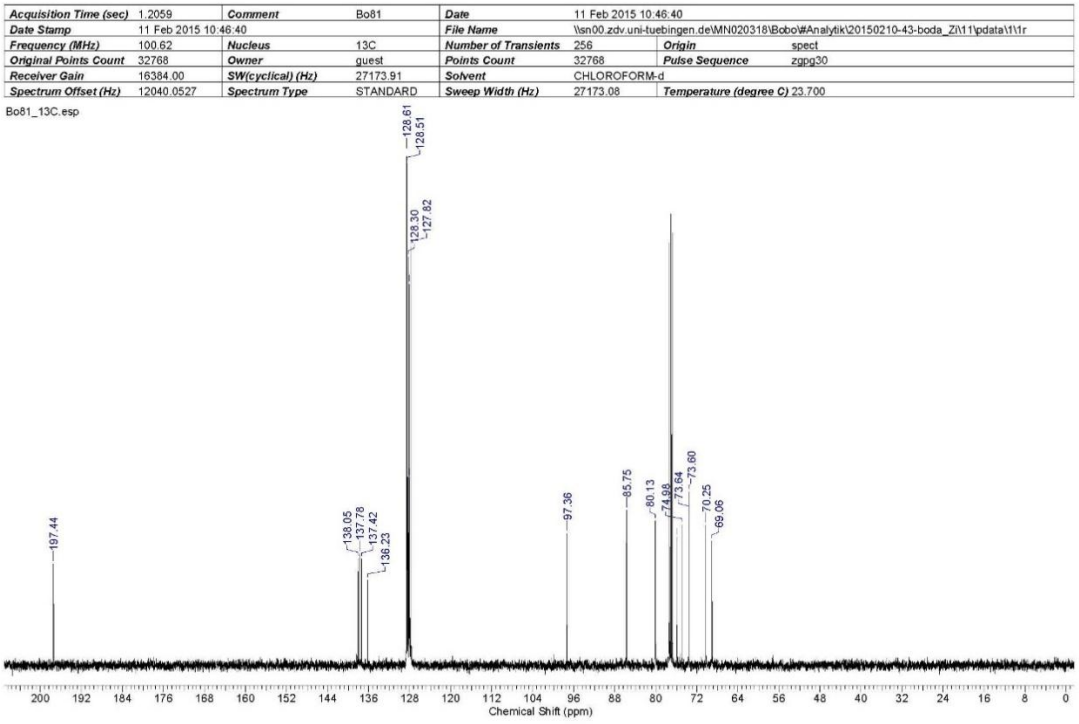

Figure S1. Compound **2** ^{13}C-NMR.

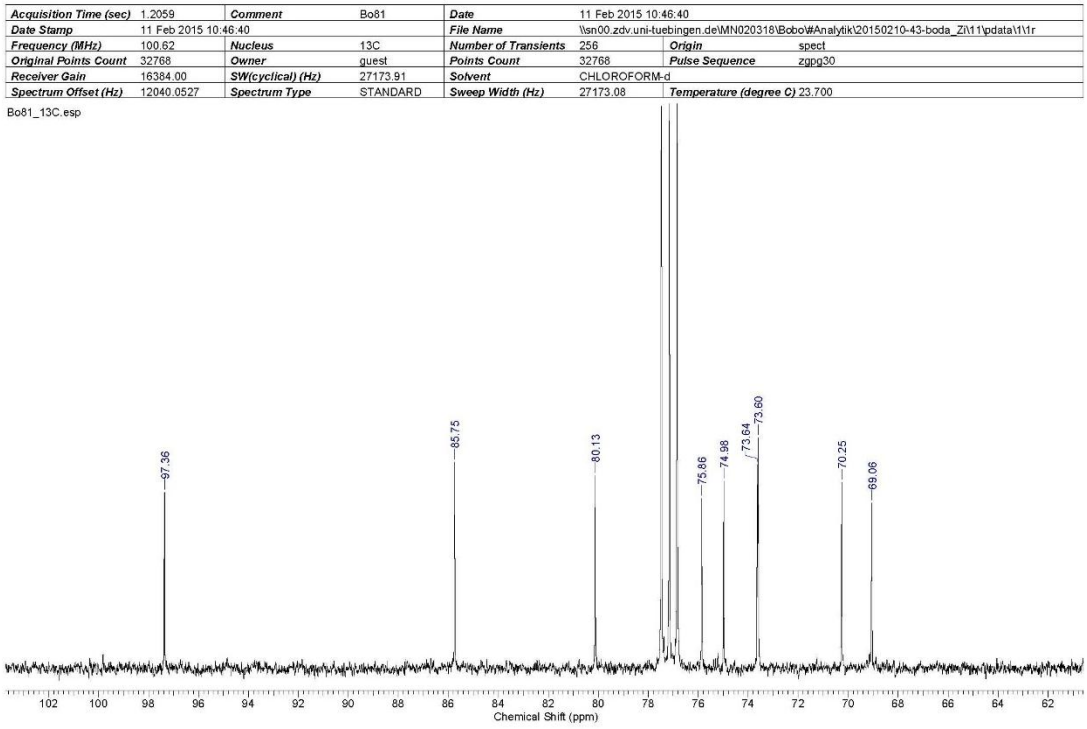

Figure S2. Compound **2** ^{13}C-NMR Zoom.

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Date Stamp	29 Aug 2016 16:21:52			***File Name***	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\20160829-14-boda_Zi\10\PDATA\1\1r		
Frequency (MHz)	400.16	***Nucleus***	1H	***Number of Transients***	16	***Origin***	spect
Original Points Count	32768	***Owner***	nmrsu	***Points Count***	65536	***Pulse Sequence***	zg30
Receiver Gain	200.95	***SW(cyclical) (Hz)***	8012.82	***Solvent***	CHLOROFORM-d		
Spectrum Offset (Hz)	2461.2754	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	8012.70	***Temperature (degree C)***	25.124

Bo81_1H_supersauber.esp

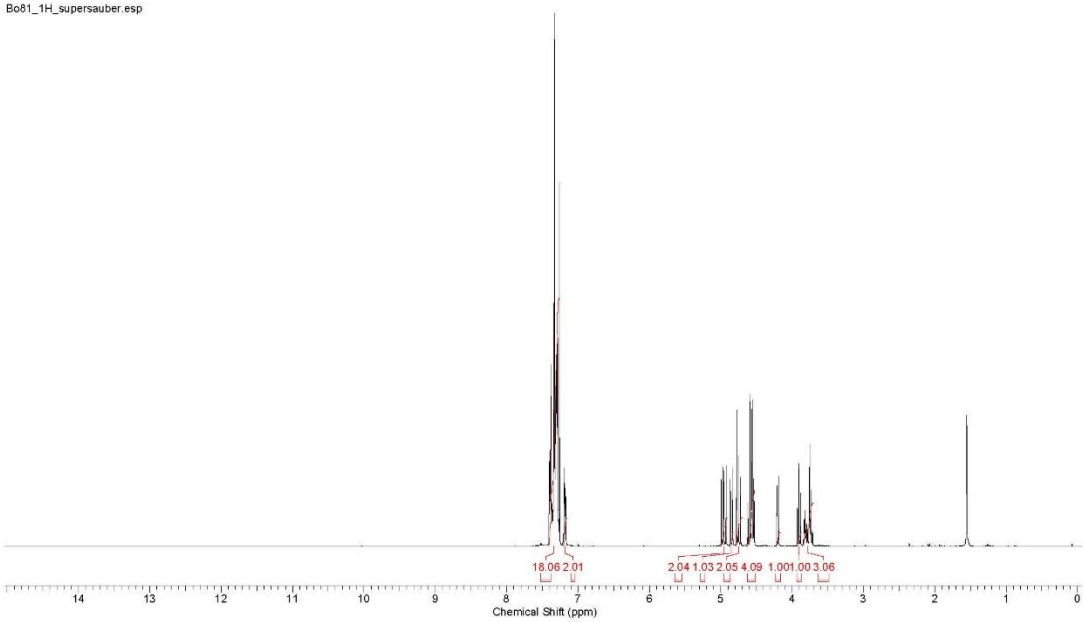

Figure S3. Compound **2** ^{1}H-NMR.

Acquisition Time (sec)	4.0894	***Comment***	Bo81.7	***Date***	29 Aug 2016 16:21:52		
Date Stamp	29 Aug 2016 16:21:52			***File Name***	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\20160829-14-boda_Zi\10\PDATA\1\1r		
Frequency (MHz)	400.16	***Nucleus***	1H	***Number of Transients***	16	***Origin***	spect
Original Points Count	32768	***Owner***	nmrsu	***Points Count***	65536	***Pulse Sequence***	zg30
Receiver Gain	200.95	***SW(cyclical) (Hz)***	8012.82	***Solvent***	CHLOROFORM-d		
Spectrum Offset (Hz)	2461.2754	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	8012.70	***Temperature (degree C)***	25.124

Bo81_1H_supersauber.esp

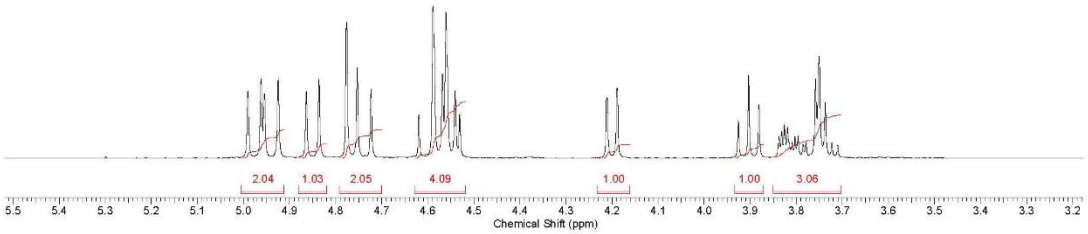

Figure S4. Compound **2** ^{1}H-NMR Zoom.

Acquisition Time (sec)	1.2059	***Comment***	Bo85	***Date***	26 Feb 2015 11:35:44		
Date Stamp	26 Feb 2015 11:35:44			***File Name***	\\134.2.180.232\NMR\avance400\data\boda_Zi\nmr\20150226-2-boda_Zi\11\pdata\1\1r		
Frequency (MHz)	100.62	***Nucleus***	13C	***Number of Transients***	256	***Origin***	spect
Original Points Count	32768	***Owner***	guest	***Points Count***	32768	***Pulse Sequence***	zgpg30
Receiver Gain	18390.40	***SW(cyclical) (Hz)***	27173.91	***Solvent***	CHLOROFORM-d		
Spectrum Offset (Hz)	12029.2725	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	27173.08	***Temperature (degree C)***	24.200

Bo85_13C.esp

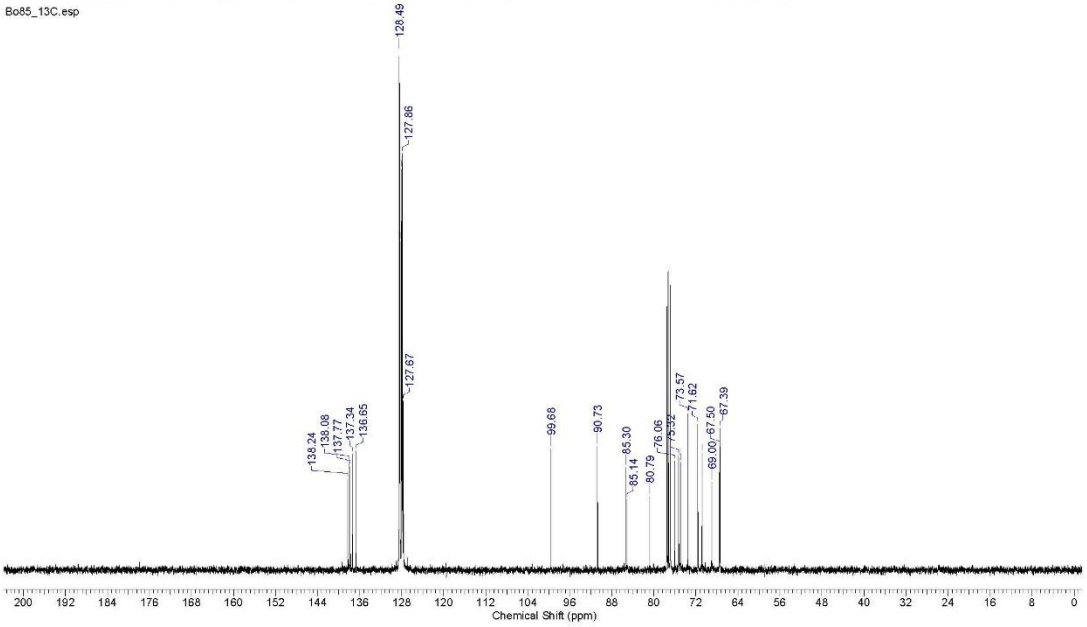

Figure S5. Compound **3a** ^{13}C-NMR.

Acquisition Time (sec)	1.2059	***Comment***	Bo85	***Date***	26 Feb 2015 11:35:44		
Date Stamp	26 Feb 2015 11:35:44			***File Name***	\\134.2.180.232\NMR\avance400\data\boda_Zi\nmr\20150226-2-boda_Zi\11\pdata\1\1r		
Frequency (MHz)	100.62	***Nucleus***	13C	***Number of Transients***	256	***Origin***	spect
Original Points Count	32768	***Owner***	guest	***Points Count***	32768	***Pulse Sequence***	zgpg30
Receiver Gain	18390.40	***SW(cyclical) (Hz)***	27173.91	***Solvent***	CHLOROFORM-d		
Spectrum Offset (Hz)	12029.2725	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	27173.08	***Temperature (degree C)***	24.200

Bo85_13C.esp

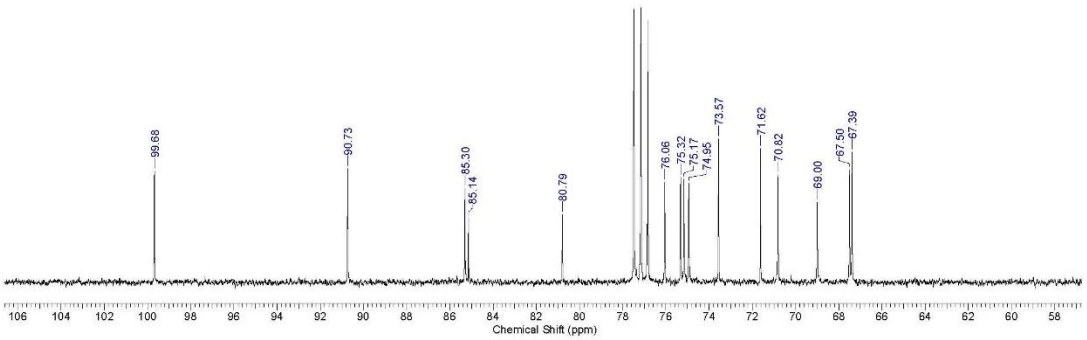

Figure S6. Compound **3a** ^{13}C-NMR Zoom.

Acquisition Time (sec)	3.9584	***Comment***	Bo85	***Date***	26 Feb 2015 11:25:04				
Date Stamp	26 Feb 2015 11:25:04			***File Name***	\\134.2.180.232\NMR\avance400\data\boda_Zi\nmr\20150226-2-boda_Zi\10\pdata\1\1r				
Frequency (MHz)	400.16	***Nucleus***	1H	***Number of Transients***	32	***Origin***	spect	***Original Points Count***	32768
Owner	guest	***Points Count***	32768	***Pulse Sequence***	zg30	***Receiver Gain***	35.90	***SW(cyclical) (Hz)***	8278.15
Solvent	CHLOROFORM-d			***Spectrum Offset (Hz)***	2463.1875	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	8277.89
Temperature (degree C) 23.900									

Bo85_1H.esp

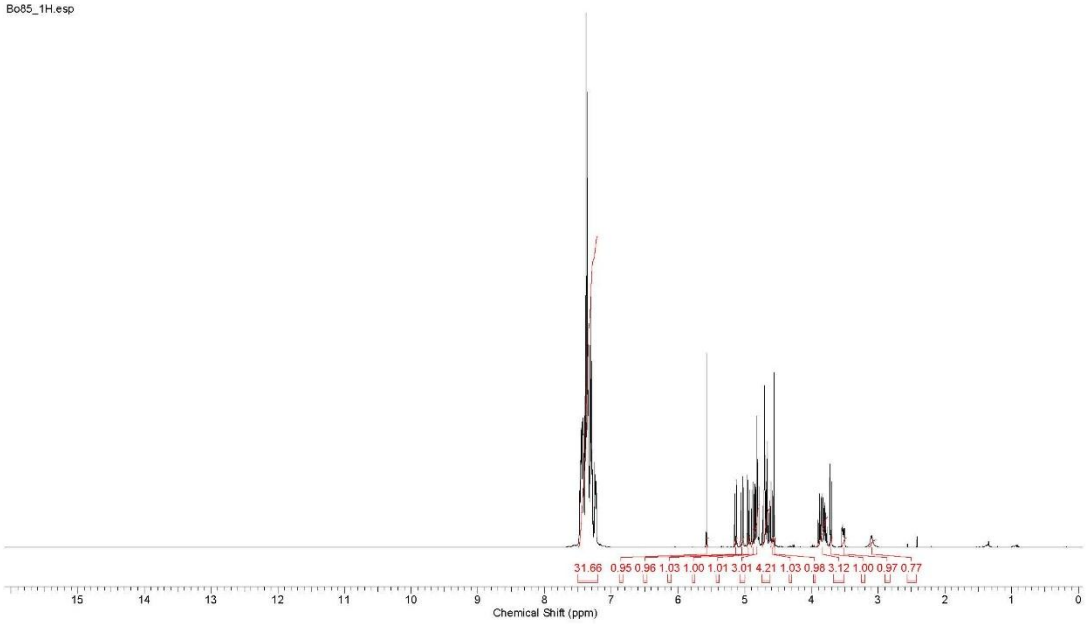

Figure S7. Compound **3a** ^{1}H-NMR.

Acquisition Time (sec)	3.9584	***Comment***	Bo85	***Date***	26 Feb 2015 11:25:04				
Date Stamp	26 Feb 2015 11:25:04			***File Name***	\\134.2.180.232\NMR\avance400\data\boda_Zi\nmr\20150226-2-boda_Zi\10\pdata\1\1r				
Frequency (MHz)	400.16	***Nucleus***	1H	***Number of Transients***	32	***Origin***	spect	***Original Points Count***	32768
Owner	guest	***Points Count***	32768	***Pulse Sequence***	zg30	***Receiver Gain***	35.90	***SW(cyclical) (Hz)***	8278.15
Solvent	CHLOROFORM-d			***Spectrum Offset (Hz)***	2463.1875	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	8277.89
Temperature (degree C) 23.900									

Bo85_1H.esp

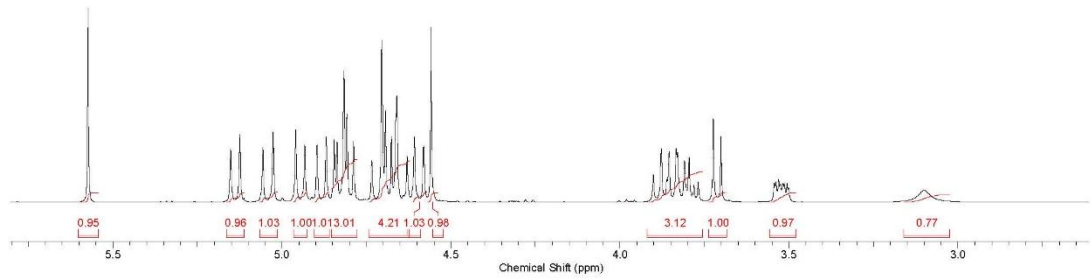

Figure S8. Compound **3a** ^{1}H-NMR Zoom.

Acquisition Time (sec)	1.2059	**Comment**	Bo93	**Date**	08 Apr 2015 20:27:12		
Date Stamp	08 Apr 2015 20:27:12			**File Name**	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\20150408-19-boda_Zi\11\PDATA\1\1r		
Frequency (MHz)	100.62	**Nucleus**	13C	**Number of Transients**	512	**Origin**	spect
Original Points Count	32768	**Owner**	guest	**Points Count**	32768	**Pulse Sequence**	zgpg30
Receiver Gain	18390.40	**SW(cyclical) (Hz)**	27173.91	**Solvent**	CHLOROFORM-d		
Spectrum Offset (Hz)	12040.0527	**Spectrum Type**	STANDARD	**Sweep Width (Hz)**	27173.08	**Temperature (degree C)**	25.000

Bo92_13C.esp

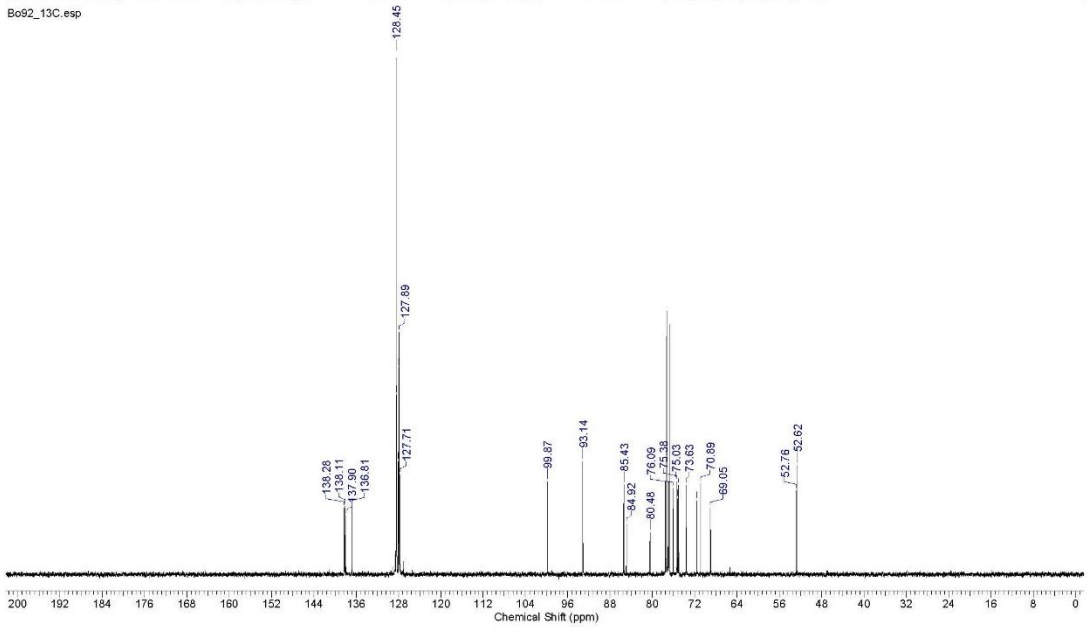

Figure S9. Compound **3b** ^{13}C-NMR.

Acquisition Time (sec)	1.2059	**Comment**	Bo93	**Date**	08 Apr 2015 20:27:12		
Date Stamp	08 Apr 2015 20:27:12			**File Name**	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\20150408-19-boda_Zi\11\PDATA\1\1r		
Frequency (MHz)	100.62	**Nucleus**	13C	**Number of Transients**	512	**Origin**	spect
Original Points Count	32768	**Owner**	guest	**Points Count**	32768	**Pulse Sequence**	zgpg30
Receiver Gain	18390.40	**SW(cyclical) (Hz)**	27173.91	**Solvent**	CHLOROFORM-d		
Spectrum Offset (Hz)	12040.0527	**Spectrum Type**	STANDARD	**Sweep Width (Hz)**	27173.08	**Temperature (degree C)**	25.000

Bo92_13C.esp

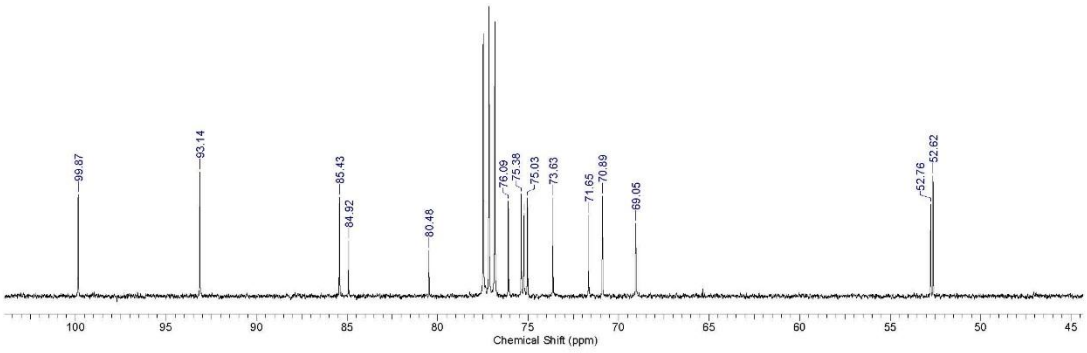

Figure S10. Compound **3b** ^{13}C-NMR Zoom.

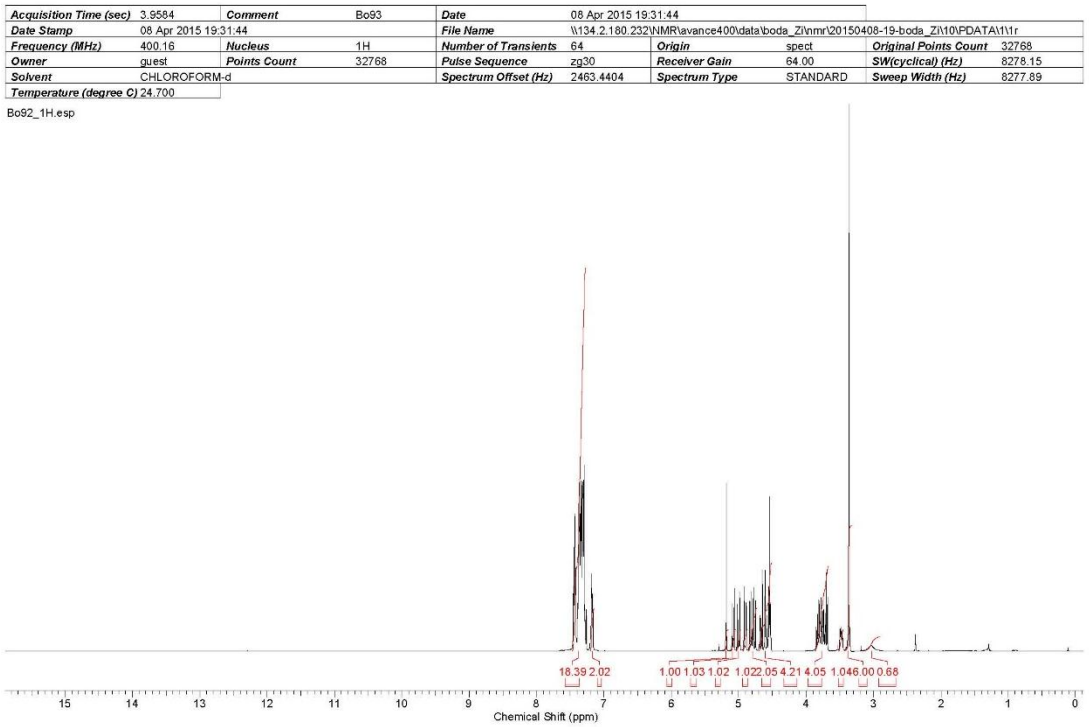

Figure S11. Compound **3b** ^{1}H-NMR.

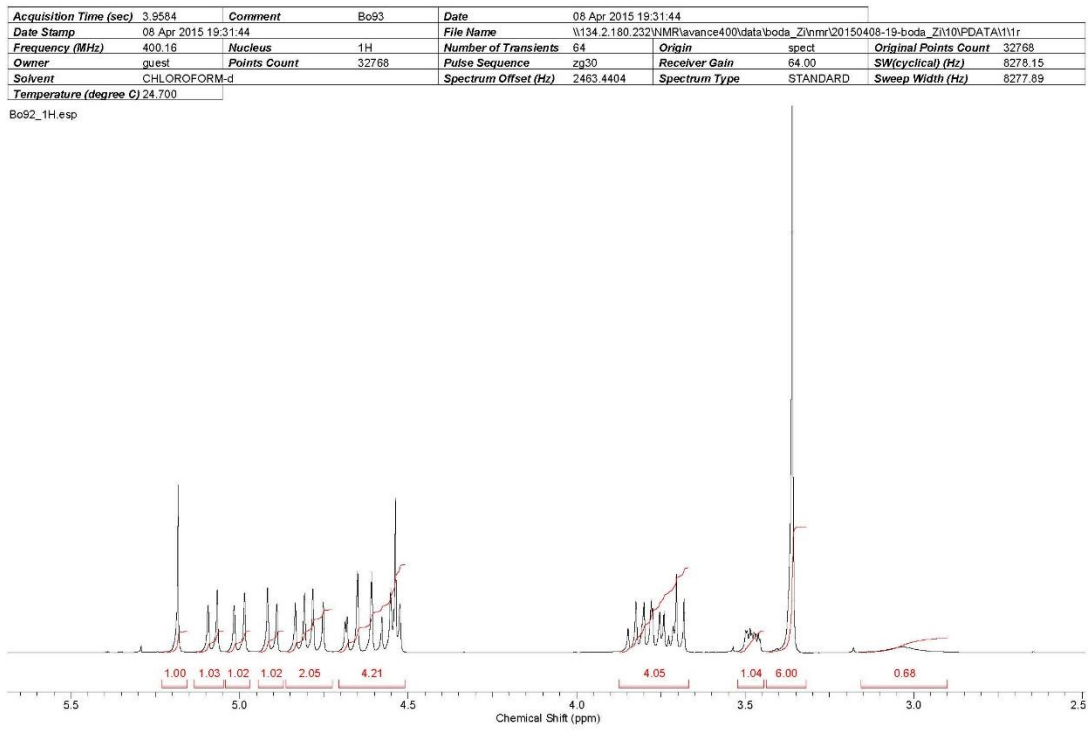

Figure S12. Compound **3b** ^{1}H-NMR Zoom.

Acquisition Time (sec)	1.2059	Comment	Bo118	Date	16 Jul 2015 11:27:28			Date Stamp	16 Jul 2015 11:27:28
File Name	C:\#Uni\#Analytik\20150716-9-boda_Zi\11\PDATA\1\1r			Frequency (MHz)	100.62	Nucleus	13C	Number of Transients	256
Origin	spect	Original Points Count	32768	Owner	guest	Points Count	32768	Pulse Sequence	zgpg30
Receiver Gain	20642.50	SW(cyclical) (Hz)	27173.91	Solvent	CHLOROFORM-d			Spectrum Offset (Hz)	12037.5654
Spectrum Type	STANDARD	Sweep Width (Hz)	27173.08	Temperature (degree C)	26.300				

Bo118_13C.esp

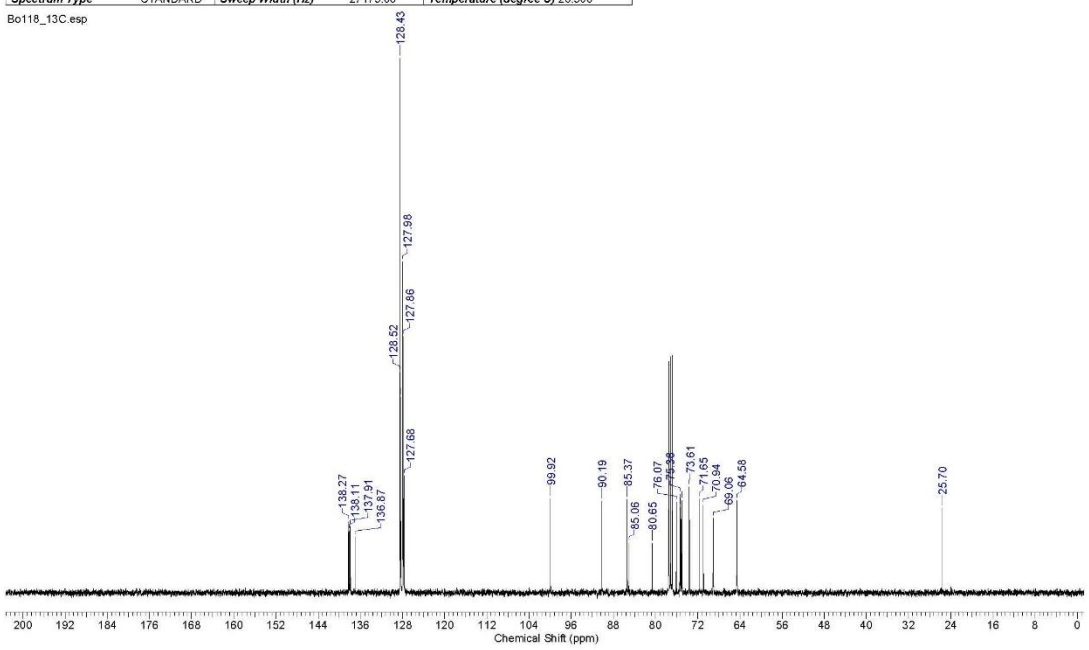

Figure S13. Compound **3c** ^{13}C-NMR.

Acquisition Time (sec)	1.2059	Comment	Bo118	Date	16 Jul 2015 11:27:28			Date Stamp	16 Jul 2015 11:27:28
File Name	C:\#Uni\#Analytik\20150716-9-boda_Zi\11\PDATA\1\1r			Frequency (MHz)	100.62	Nucleus	13C	Number of Transients	256
Origin	spect	Original Points Count	32768	Owner	guest	Points Count	32768	Pulse Sequence	zgpg30
Receiver Gain	20642.50	SW(cyclical) (Hz)	27173.91	Solvent	CHLOROFORM-d			Spectrum Offset (Hz)	12037.5654
Spectrum Type	STANDARD	Sweep Width (Hz)	27173.08	Temperature (degree C)	26.300				

Bo118_13C.esp

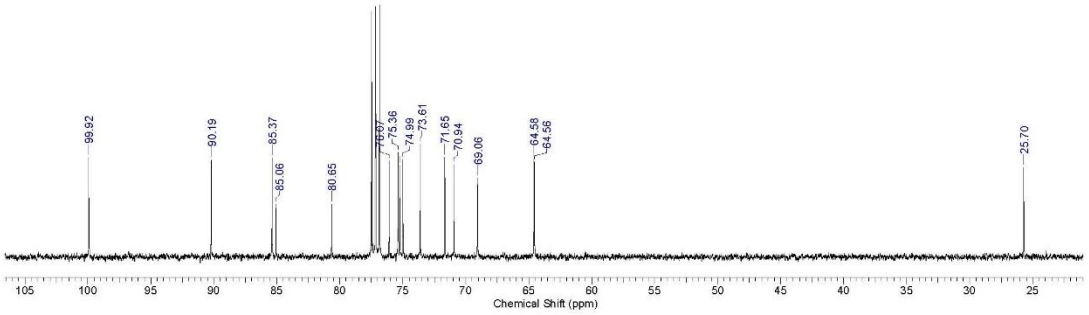

Figure S14. Compound **3c** ^{13}C-NMR Zoom.

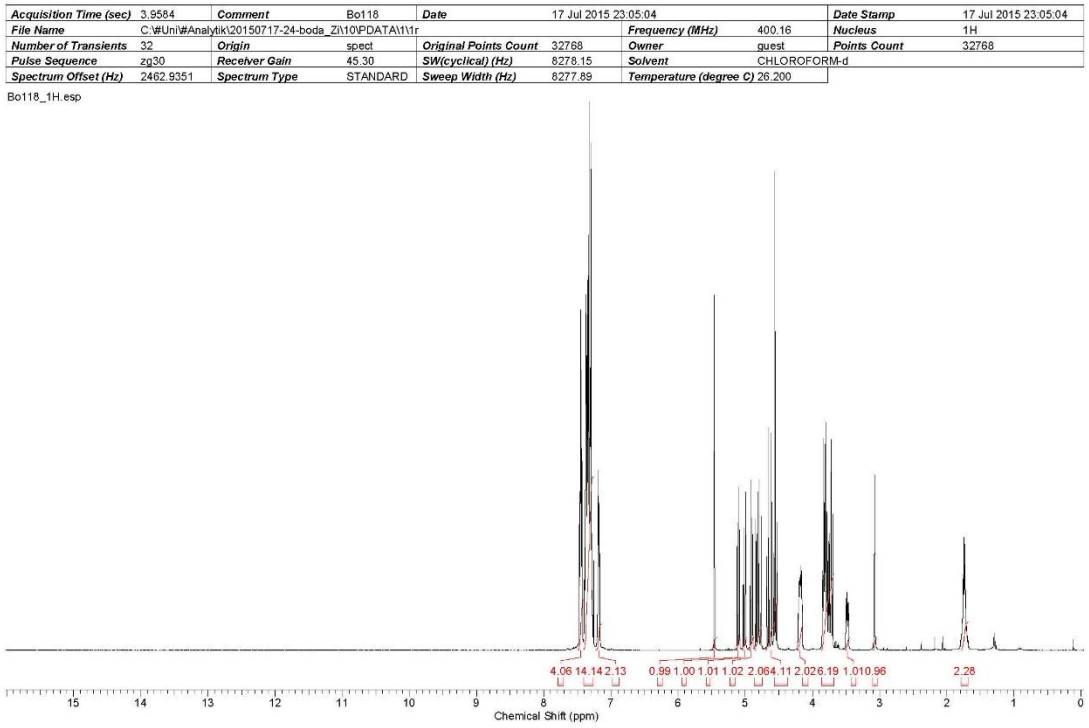

Figure S15. Compound **3c** 1H-NMR.

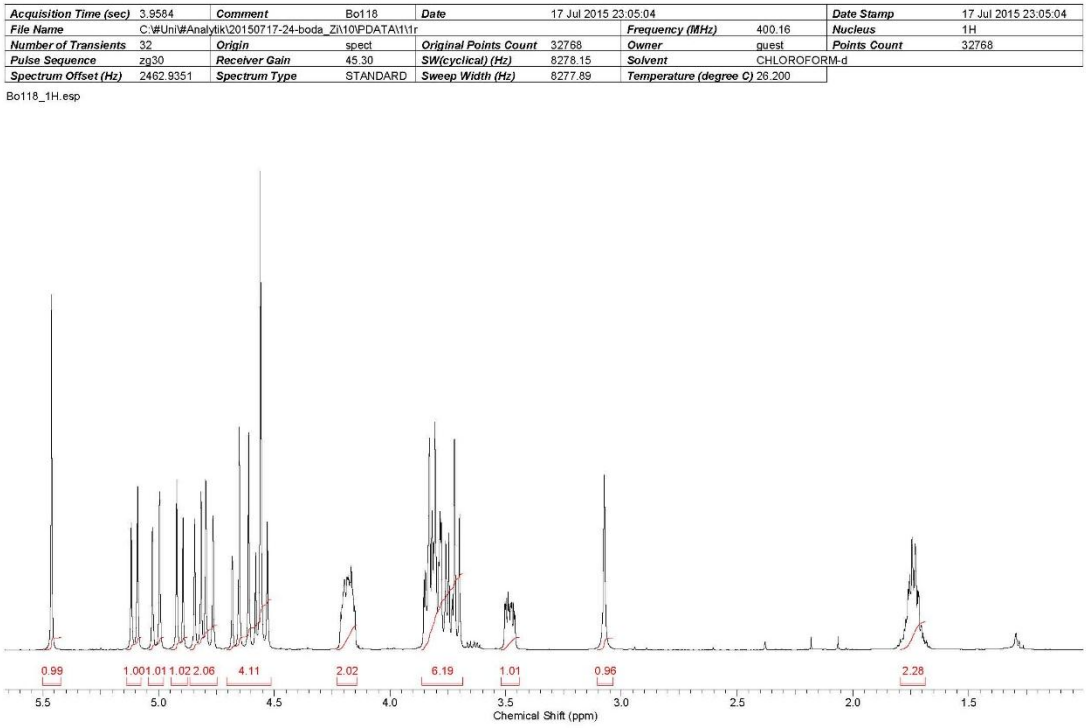

Figure S16. Compound **3c** [1]H-NMR Zoom.

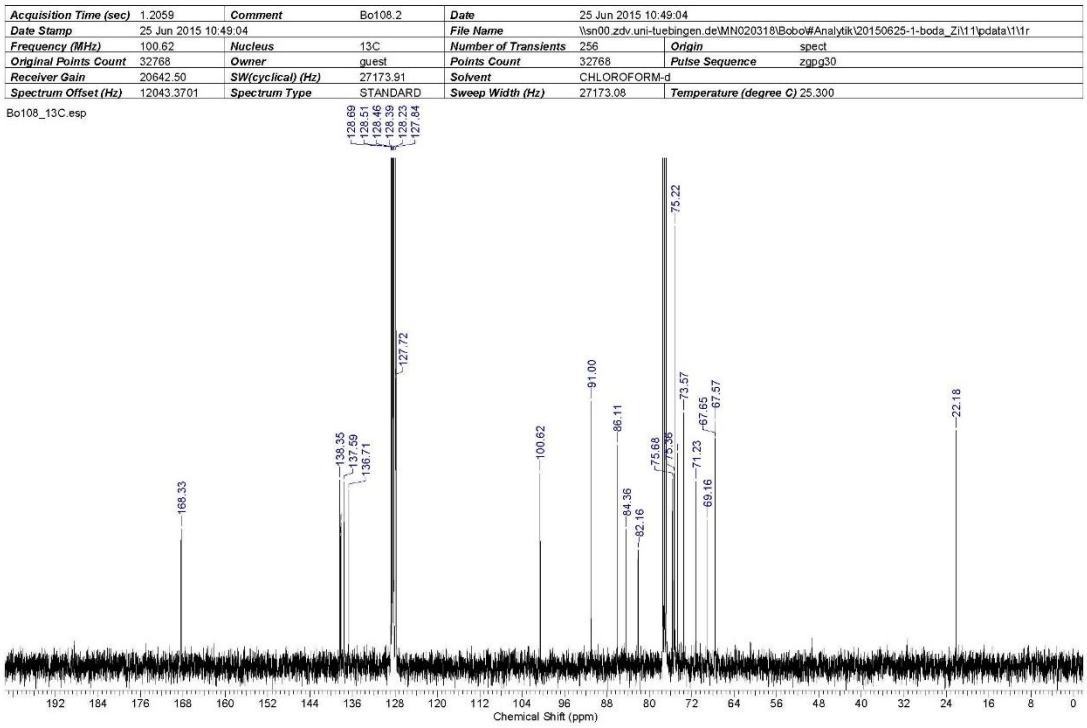

Figure S17. Compound **3d** ^{13}C-NMR.

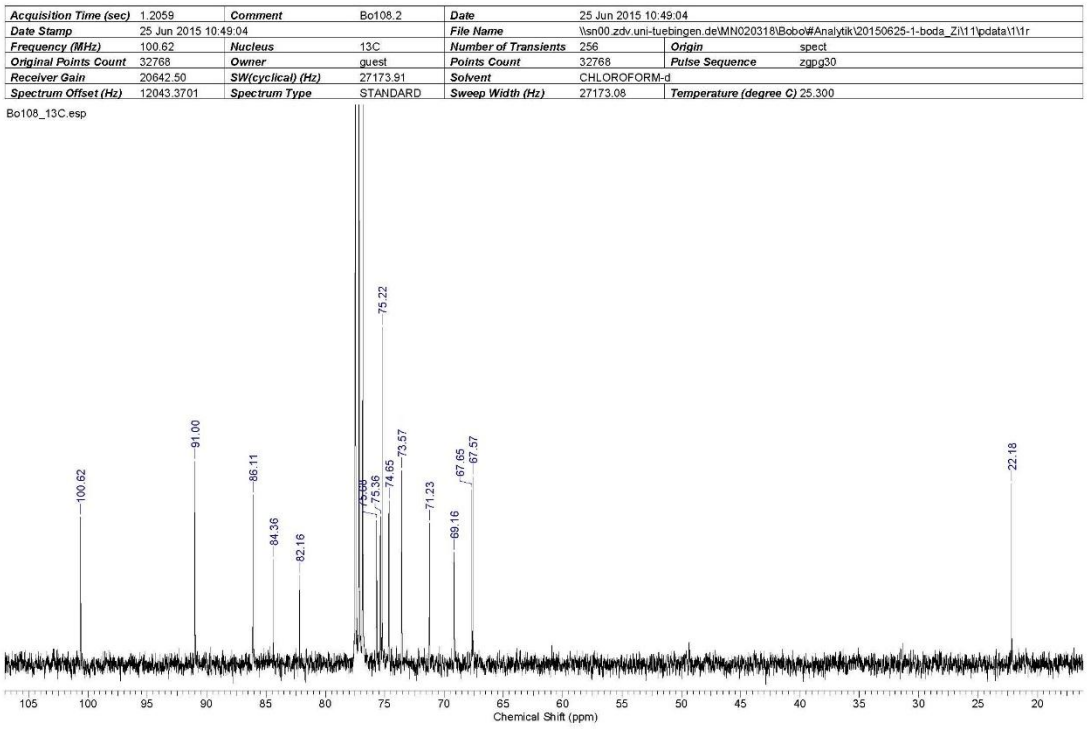

Figure S18. Compound **3d** ^{13}C-NMR Zoom.

Acquisition Time (sec)	3.9584	***Comment***	Bo108.2	***Date***	25 Jun 2015 10:38:24		
Date Stamp	25 Jun 2015 10:38:24			***File Name***	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\20150625-1-boda_Zi\10\PDATA\1\1r		
Frequency (MHz)	400.16	***Nucleus***	1H	***Number of Transients***	32	***Origin***	spect
Original Points Count	32768	***Owner***	guest	***Points Count***	32768	***Pulse Sequence***	zg30
Receiver Gain	90.50	***SW(cyclical) (Hz)***	8278.15	***Solvent***	CHLOROFORM-d		
Spectrum Offset (Hz)	2460.0828	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	8277.89	***Temperature (degree C)***	24.900

Bo108_1H.esp

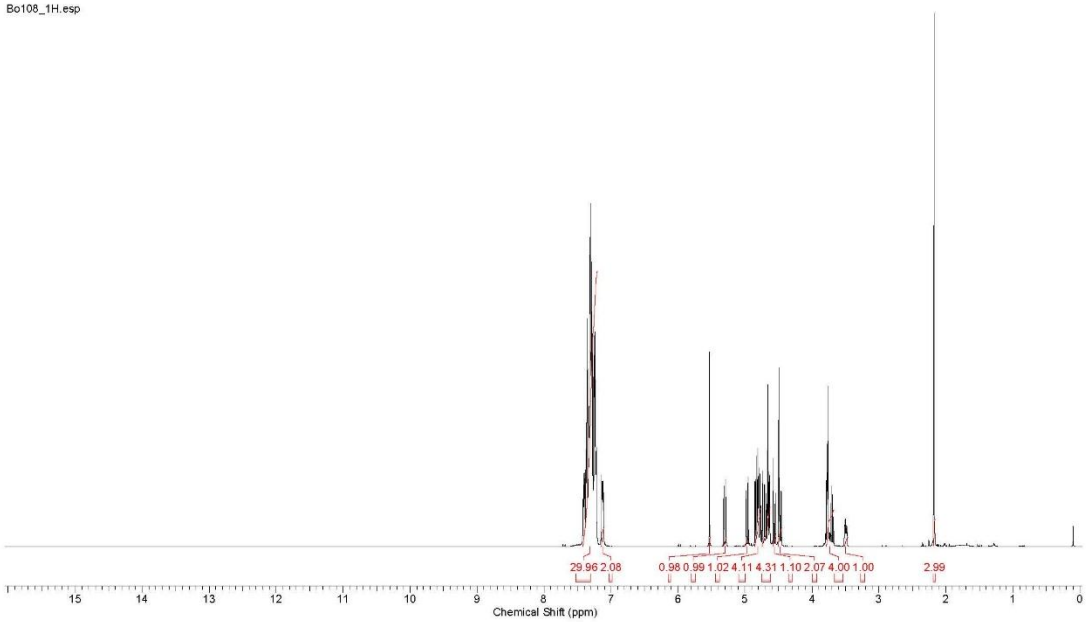

Figure S19. Compound **3d** ^{1}H-NMR.

Acquisition Time (sec)	3.9584	***Comment***	Bo108.2	***Date***	25 Jun 2015 10:38:24		
Date Stamp	25 Jun 2015 10:38:24			***File Name***	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\20150625-1-boda_Zi\10\PDATA\1\1r		
Frequency (MHz)	400.16	***Nucleus***	1H	***Number of Transients***	32	***Origin***	spect
Original Points Count	32768	***Owner***	guest	***Points Count***	32768	***Pulse Sequence***	zg30
Receiver Gain	90.50	***SW(cyclical) (Hz)***	8278.15	***Solvent***	CHLOROFORM-d		
Spectrum Offset (Hz)	2460.0828	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	8277.89	***Temperature (degree C)***	24.900

Bo108_1H.esp

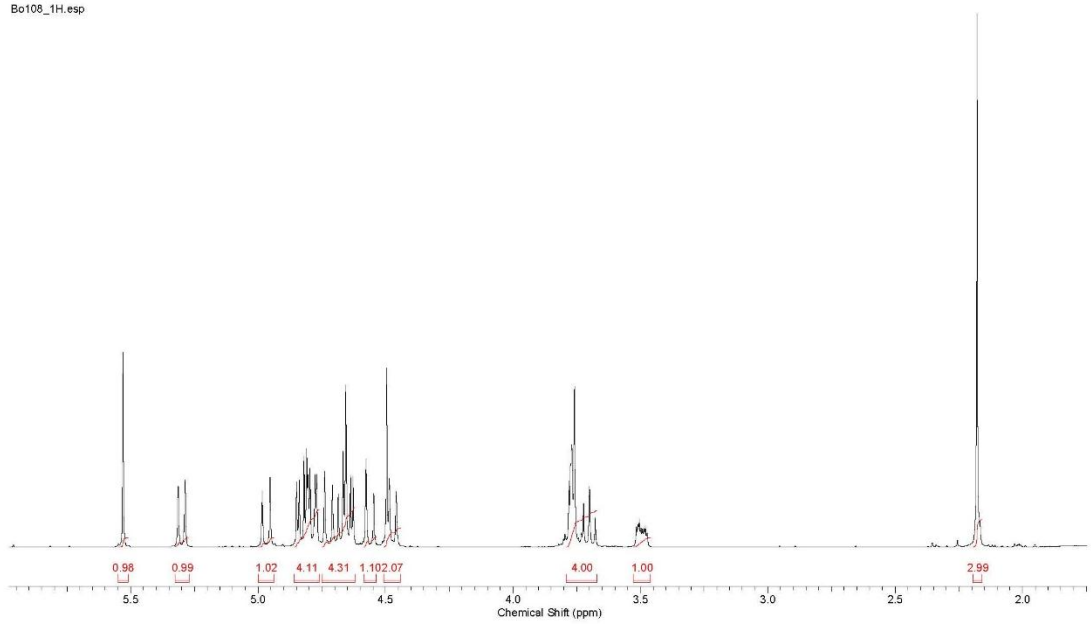

Figure S20. Compound **3d** ^{1}H-NMR Zoom.

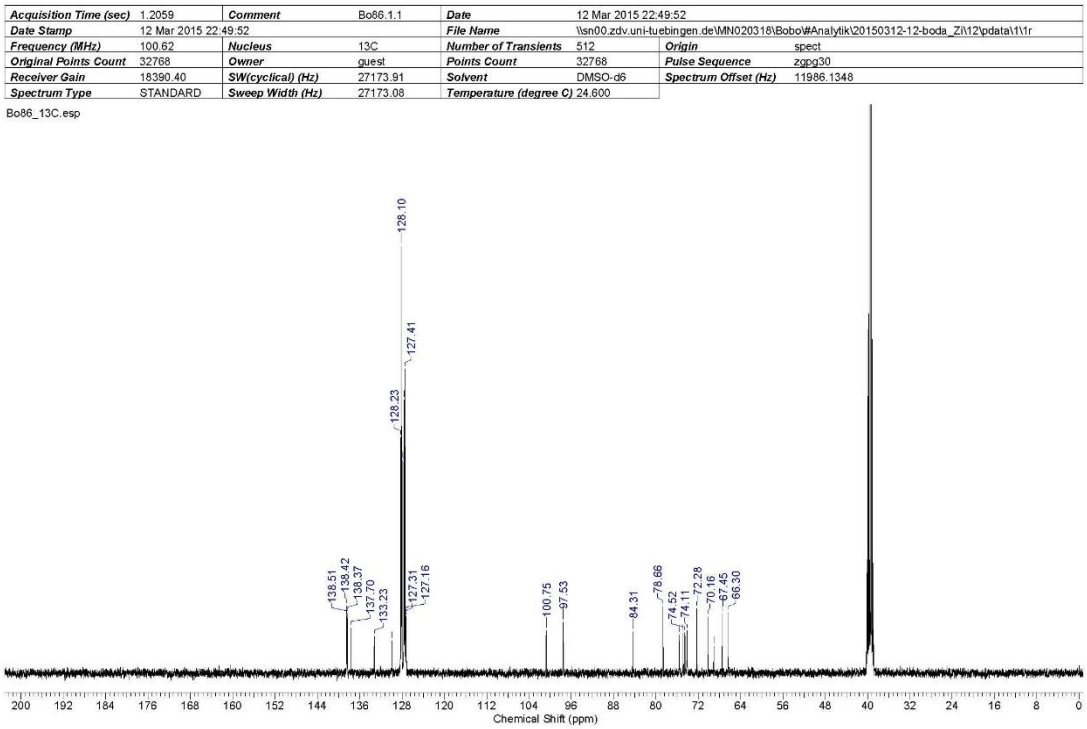

Figure S21. Compound **4a** 13C-NMR.

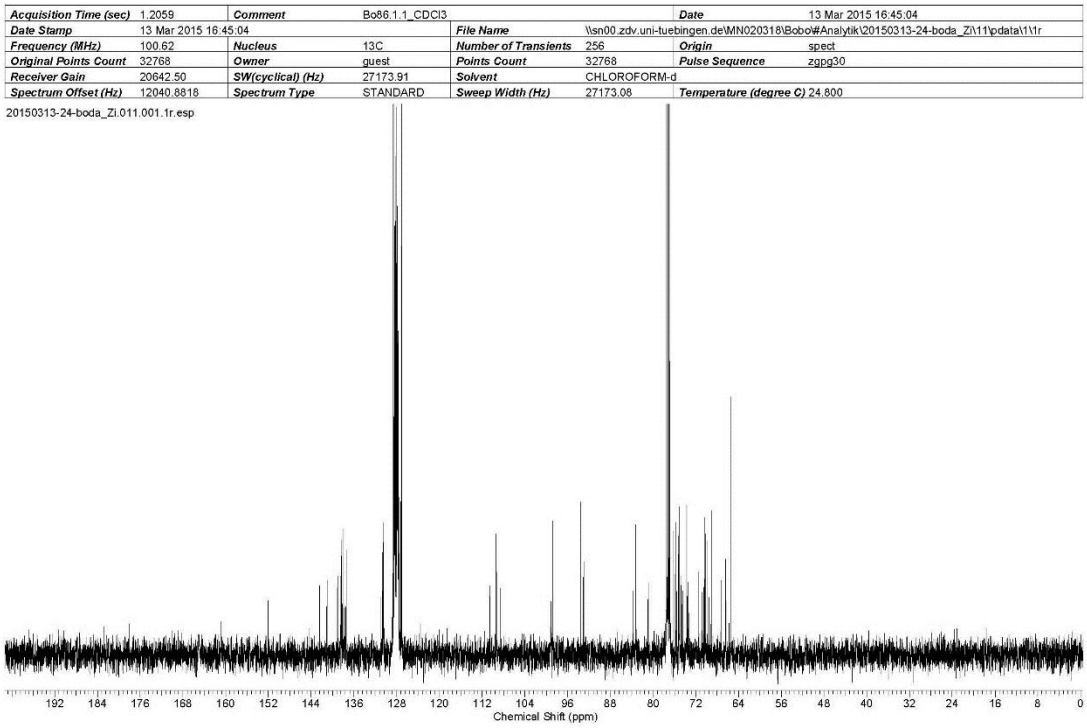

Figure S22. Compound **4a** ^{13}C-NMR chloroform.

Acquisition Time (sec)	1.2059	***Comment***	Bo86.1.1	***Date***	12 Mar 2015 22:49:52		
Date Stamp	12 Mar 2015 22:49:52			***File Name***	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\20150312-12-boda_Zi\12\pdata\1\1r		
Frequency (MHz)	100.62	***Nucleus***	13C	***Number of Transients***	512	***Origin***	spect
Original Points Count	32768	***Owner***	guest	***Points Count***	32768	***Pulse Sequence***	zgpg30
Receiver Gain	18390.40	***SW(cyclical) (Hz)***	27173.91	***Solvent***	DMSO-d6	***Spectrum Offset (Hz)***	11986.1348
Spectrum Type	STANDARD	***Sweep Width (Hz)***	27173.08	***Temperature (degree C)***	24.600		

Bo86_13C.esp

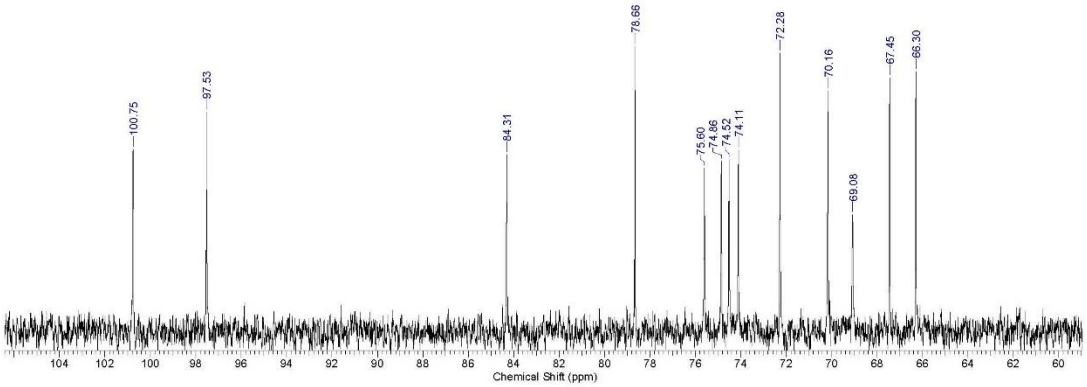

Figure S23. Compound **4a** ^{13}C-NMR Zoom.

Acquisition Time (sec)	3.9584	***Comment***	Bo86.1.1	***Date***	12 Mar 2015 22:28:32				
Date Stamp	12 Mar 2015 22:28:32			***File Name***	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\20150312-12-boda_Zi\10\pdata\1\1r				
Frequency (MHz)	400.16	***Nucleus***	1H	***Number of Transients***	32	***Origin***	spect	***Original Points Count***	32768
Owner	guest	***Points Count***	32768	***Pulse Sequence***	zg30	***Receiver Gain***	71.80	***SW(cyclical) (Hz)***	8278.15
Solvent	DMSO-d6	***Spectrum Offset (Hz)***	2469.5637	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	8277.89	***Temperature (degree C)***	24.400

Bo86_1H.esp

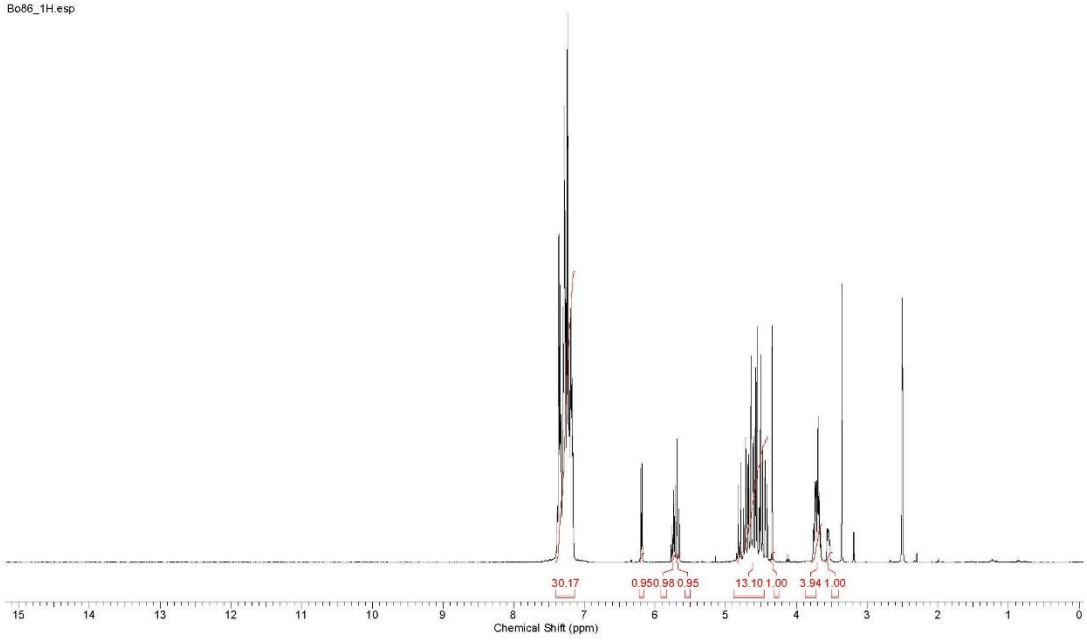

Figure S24. Compound **4a** ^{1}H-NMR.

Acquisition Time (sec)	3.9584	*Comment*	Bo86.1.1_CDCl3			*Date*	13 Mar 2015 16:34:24
Date Stamp	13 Mar 2015 16:34:24			*File Name*	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\20150313-24-boda_ZI\10\pdata\1\1r		
Frequency (MHz)	400.16	*Nucleus*	1H	*Number of Transients*	32	*Origin*	spect
Original Points Count	32768	*Owner*	guest	*Points Count*	32768	*Pulse Sequence*	zg30
Receiver Gain	71.80	*SW(cyclical) (Hz)*	8278.15	*Solvent*	CHLOROFORM-d		
Spectrum Offset (Hz)	2417.1821	*Spectrum Type*	STANDARD	*Sweep Width (Hz)*	8277.89	*Temperature (degree C)*	24.500

20150313-24-boda_ZI.010.001.1r.esp

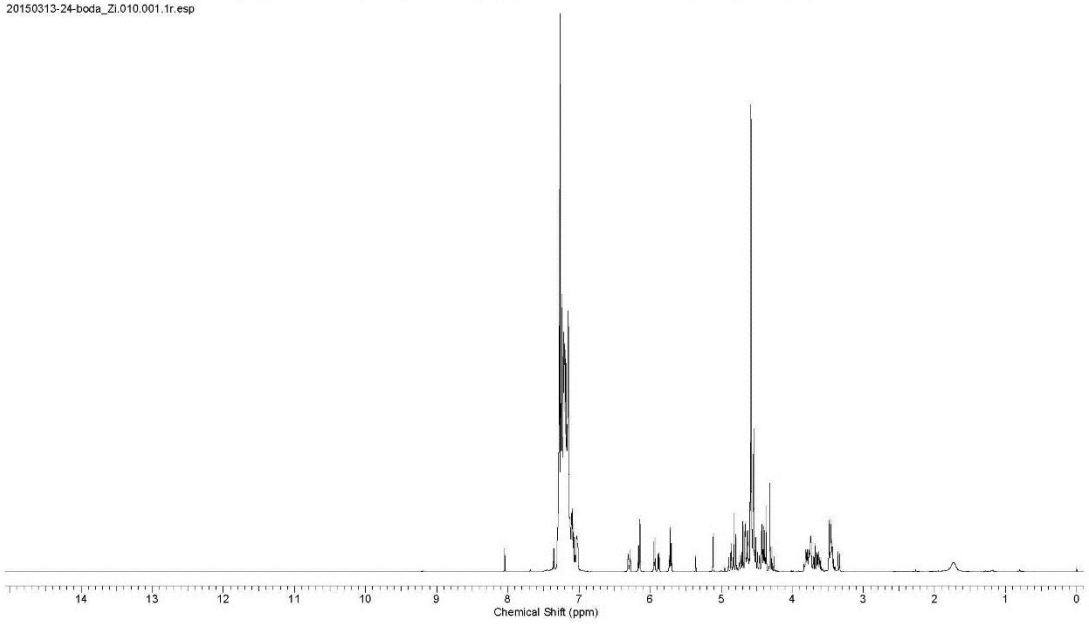

Figure S25. Compound **4a** ^{1}H-NMR chloroform.

Acquisition Time (sec)	3.9584	*Comment*	Bo86.1.1	*Date*	12 Mar 2015 22:28:32				
Date Stamp	12 Mar 2015 22:28:32			*File Name*	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\20150312-12-boda_ZI\10\pdata\1\1r				
Frequency (MHz)	400.16	*Nucleus*	1H	*Number of Transients*	32	*Origin*	spect	*Original Points Count*	32768
Owner	guest	*Points Count*	32768	*Pulse Sequence*	zg30	*Receiver Gain*	71.80	*SW(cyclical) (Hz)*	8278.15
Solvent	DMSO-d6	*Spectrum Offset (Hz)*	2469.5637	*Spectrum Type*	STANDARD	*Sweep Width (Hz)*	8277.89	*Temperature (degree C)*	24.400

Bo86_1H.esp

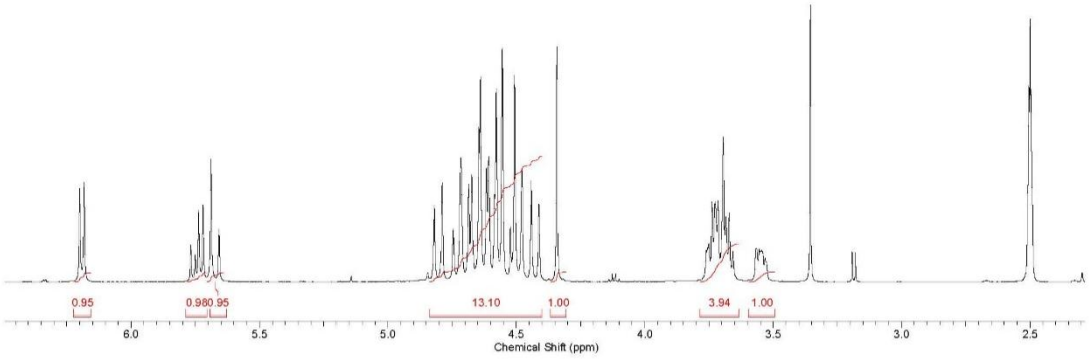

Figure S26. Compound **4a** ^{1}H-NMR Zoom.

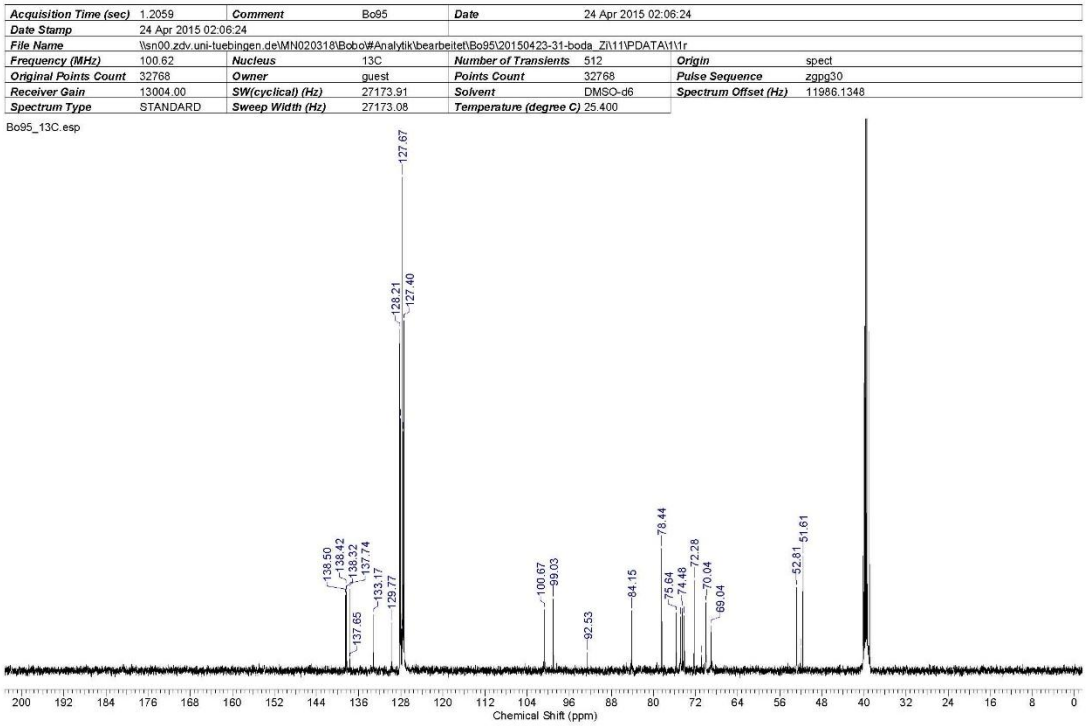

Figure S27. Compound **4b** 13C-NMR.

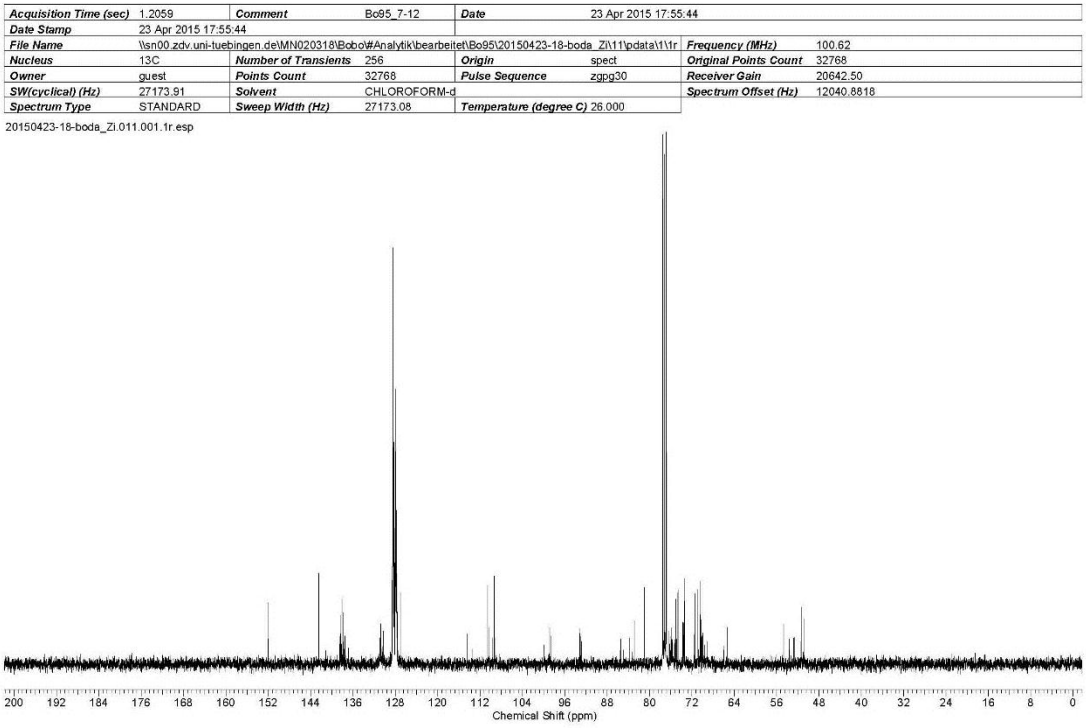

Figure S28. Compound **4b** ^{13}C-NMR chloroform.

Acquisition Time (sec)	1.2059	***Comment***	Bo95	***Date***	24 Apr 2015 02:06:24		
Date Stamp	24 Apr 2015 02:06:24						
File Name	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\bearbeitet\Bo95\20150423-31-boda_Zi\11\PDATA\1\1r						
Frequency (MHz)	100.62	***Nucleus***	13C	***Number of Transients***	512	***Origin***	spect
Original Points Count	32768	***Owner***	guest	***Points Count***	32768	***Pulse Sequence***	zgpg30
Receiver Gain	13004.00	***SW(cyclical) (Hz)***	27173.91	***Solvent***	DMSO-d6	***Spectrum Offset (Hz)***	11986.1348
Spectrum Type	STANDARD	***Sweep Width (Hz)***	27173.08	***Temperature (degree C)***	25.400		

Bo95_13C.esp

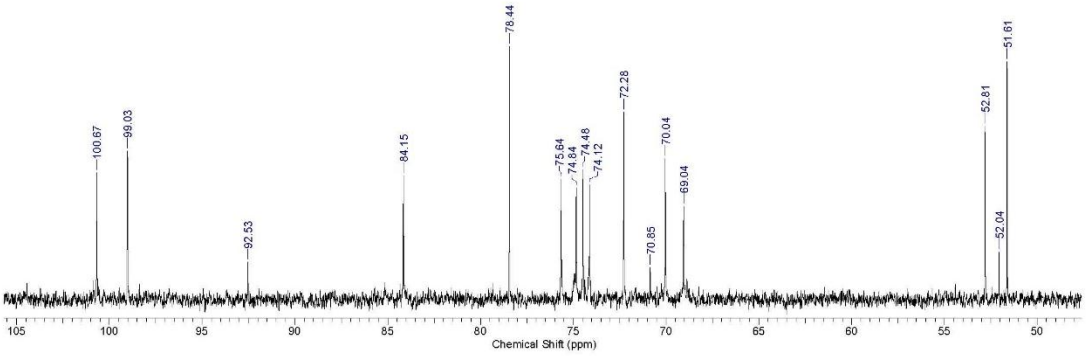

Figure S29. Compound **4b** ^{13}C-NMR Zoom.

Acquisition Time (sec)	3.9584	***Comment***	Bo95	***Date***	24 Apr 2015 01:47:12		
Date Stamp	24 Apr 2015 01:47:12						
File Name	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\bearbeitet\Bo95\20150423-31-boda_Zi\10\PDATA\1\1r						
Frequency (MHz)	400.16	***Nucleus***	1H	***Number of Transients***	32	***Origin***	spect
Original Points Count	32768	***Owner***	guest	***Points Count***	32768	***Pulse Sequence***	zg30
Receiver Gain	71.80	***SW(cyclical) (Hz)***	8278.15	***Solvent***	DMSO-d6	***Spectrum Offset (Hz)***	2471.1501
Spectrum Type	STANDARD	***Sweep Width (Hz)***	8277.89	***Temperature (degree C)***	25.200		

Bo95_1H.esp

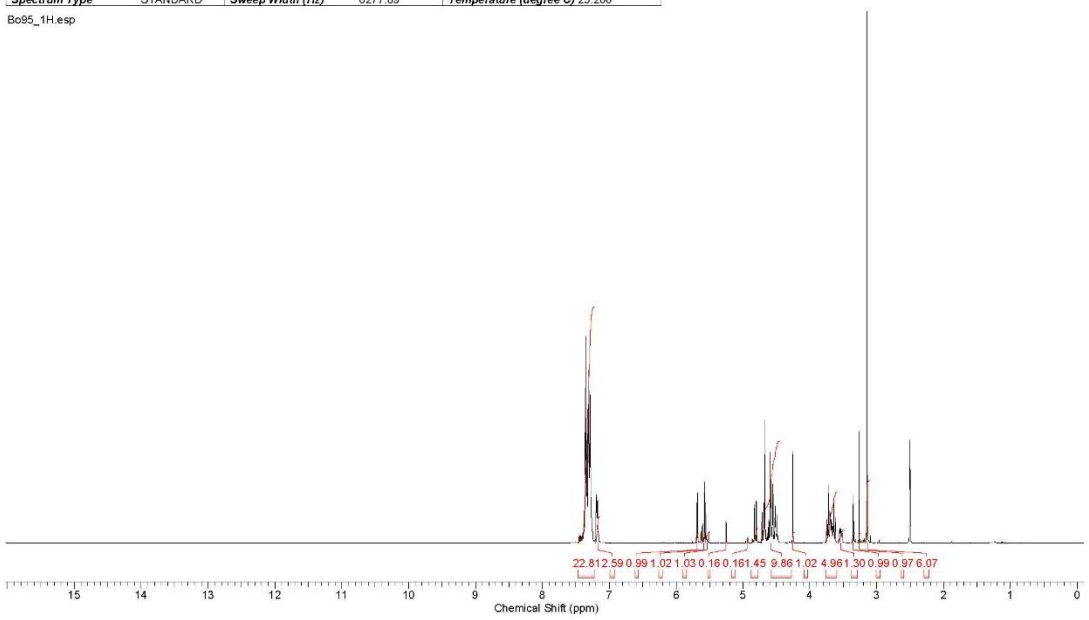

Figure S30. Compound **4b** ^{1}H-NMR.

Acquisition Time (sec)	3.9584	**Comment**	Bo95_7-12	**Date**	23 Apr 2015 17:45:04		
Date Stamp	23 Apr 2015 17:45:04						
File Name	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\bearbeitet\Bo95\20150423-18-boda_Zi\10\pdata\1\1r					**Frequency (MHz)**	400.16
Nucleus	1H	**Number of Transients**	32	**Origin**	spect	**Original Points Count**	32768
Owner	guest	**Points Count**	32768	**Pulse Sequence**	zg30	**Receiver Gain**	64.00
SW(cyclical) (Hz)	8278.15	**Solvent**	CHLOROFORM-d			**Spectrum Offset (Hz)**	2463.1877
Spectrum Type	STANDARD	**Sweep Width (Hz)**	8277.89	**Temperature (degree C)**	25.700		

20150423-18-boda_Zi.010.001.1r.esp

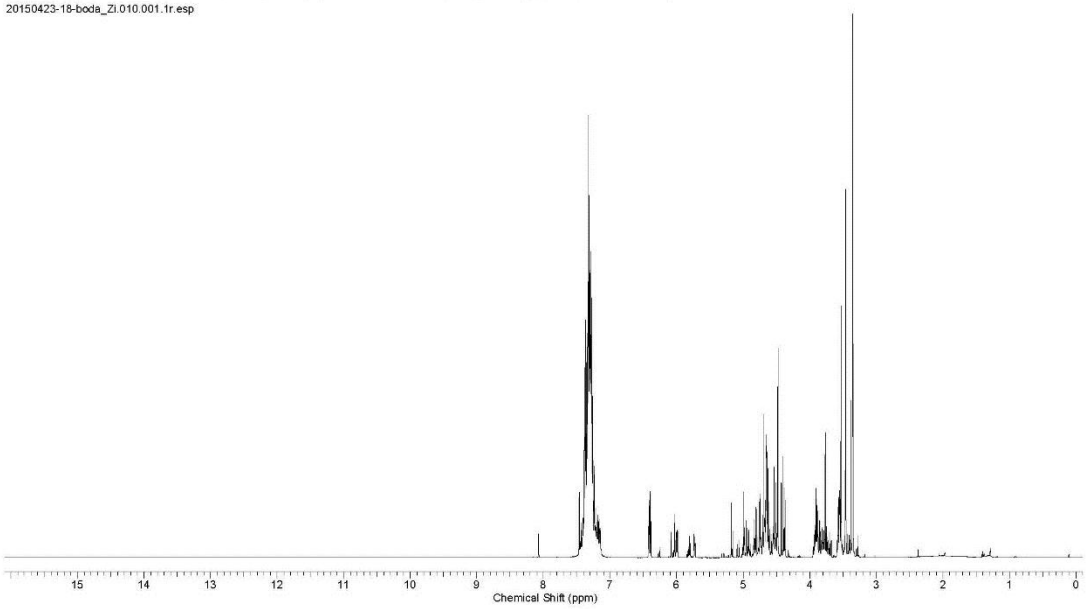

Figure S31. Compound **4b** ^{1}H-NMR chloroform.

Acquisition Time (sec)	3.9584	**Comment**	Bo95	**Date**	24 Apr 2015 01:47:12		
Date Stamp	24 Apr 2015 01:47:12						
File Name	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\bearbeitet\Bo95\20150423-31-boda_Zi\10\PDATA\1\1r						
Frequency (MHz)	400.16	**Nucleus**	1H	**Number of Transients**	32	**Origin**	spect
Original Points Count	32768	**Owner**	guest	**Points Count**	32768	**Pulse Sequence**	zg30
Receiver Gain	71.80	**SW(cyclical) (Hz)**	8278.15	**Solvent**	DMSO-d6	**Spectrum Offset (Hz)**	2471.1501
Spectrum Type	STANDARD	**Sweep Width (Hz)**	8277.89	**Temperature (degree C)**	25.200		

Bo95_1H.esp

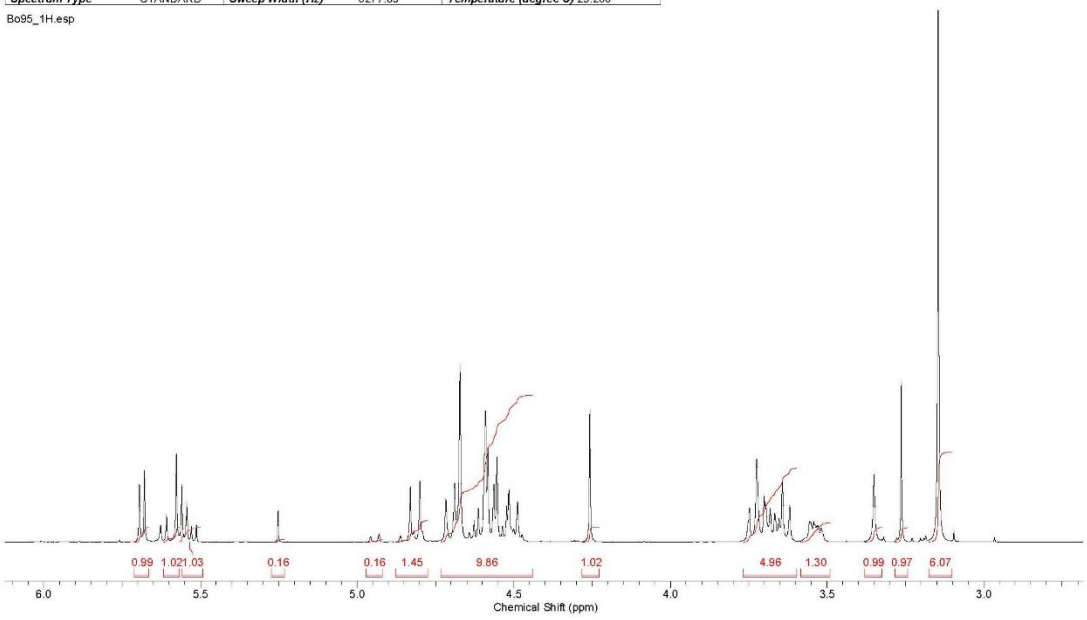

Figure S32. Compound **4b** ^{1}H-NMR Zoom.

Acquisition Time (sec)	1.2059	***Comment***	Bo121	***Date***	22 Aug 2015 15:07:12				
Date Stamp	22 Aug 2015 15:07:12			***File Name***	C:\#Uni\#Analytik\20150822-25-boda_Zi\11\pdata\1\1r			***Frequency (MHz)***	100.62
Nucleus	13C	***Number of Transients***	2048	***Origin***	spect	***Original Points Count***	32768	***Owner***	guest
Points Count	32768	***Pulse Sequence***	zgpg30	***Receiver Gain***	18390.40	***SW(cyclical) (Hz)***	27173.91	***Solvent***	CHLOROFORM-d
Spectrum Offset (Hz)	12045.0283	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	27173.08	***Temperature (degree C)***	26.200		

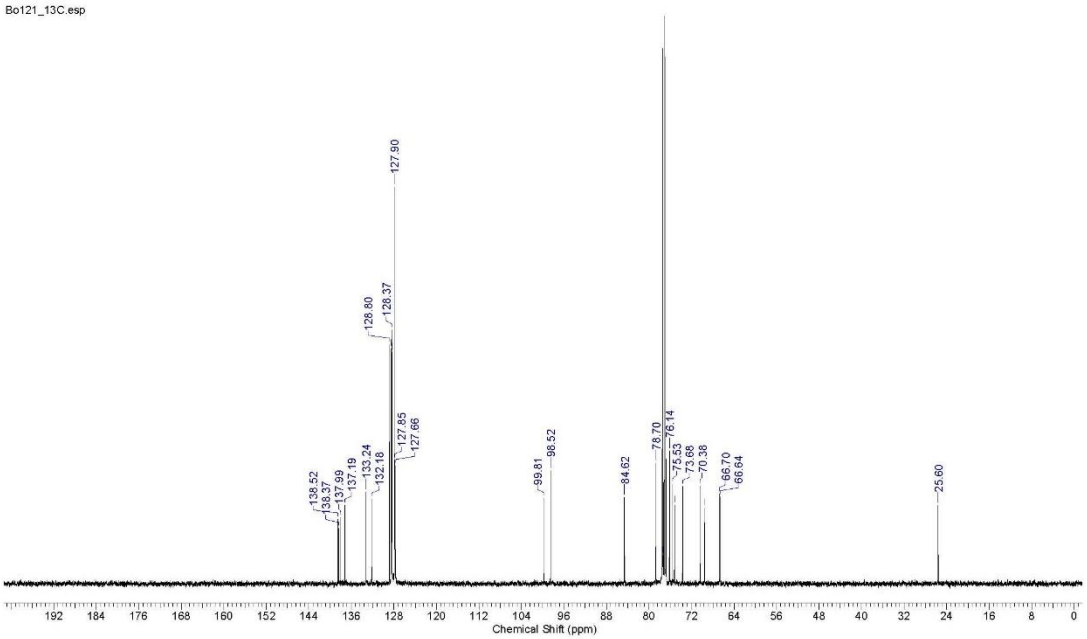

Figure S33. Compound **4c** ^{13}C-NMR.

Acquisition Time (sec)	1.2059	***Comment***	Bo121	***Date***	22 Aug 2015 15:07:12				
Date Stamp	22 Aug 2015 15:07:12			***File Name***	C:\#Uni\#Analytik\20150822-25-boda_Zi\11\pdata\1\1r			***Frequency (MHz)***	100.62
Nucleus	13C	***Number of Transients***	2048	***Origin***	spect	***Original Points Count***	32768	***Owner***	guest
Points Count	32768	***Pulse Sequence***	zgpg30	***Receiver Gain***	18390.40	***SW(cyclical) (Hz)***	27173.91	***Solvent***	CHLOROFORM-d
Spectrum Offset (Hz)	12045.0283	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	27173.08	***Temperature (degree C)***	26.200		

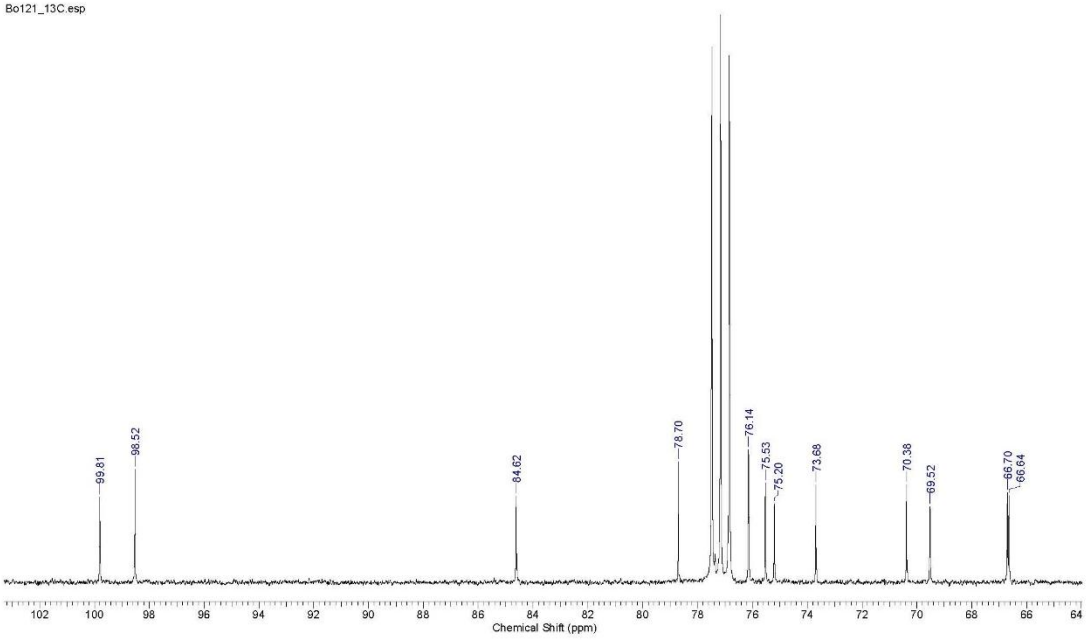

Figure S34. Compound **4c** ^{13}C-NMR Zoom.

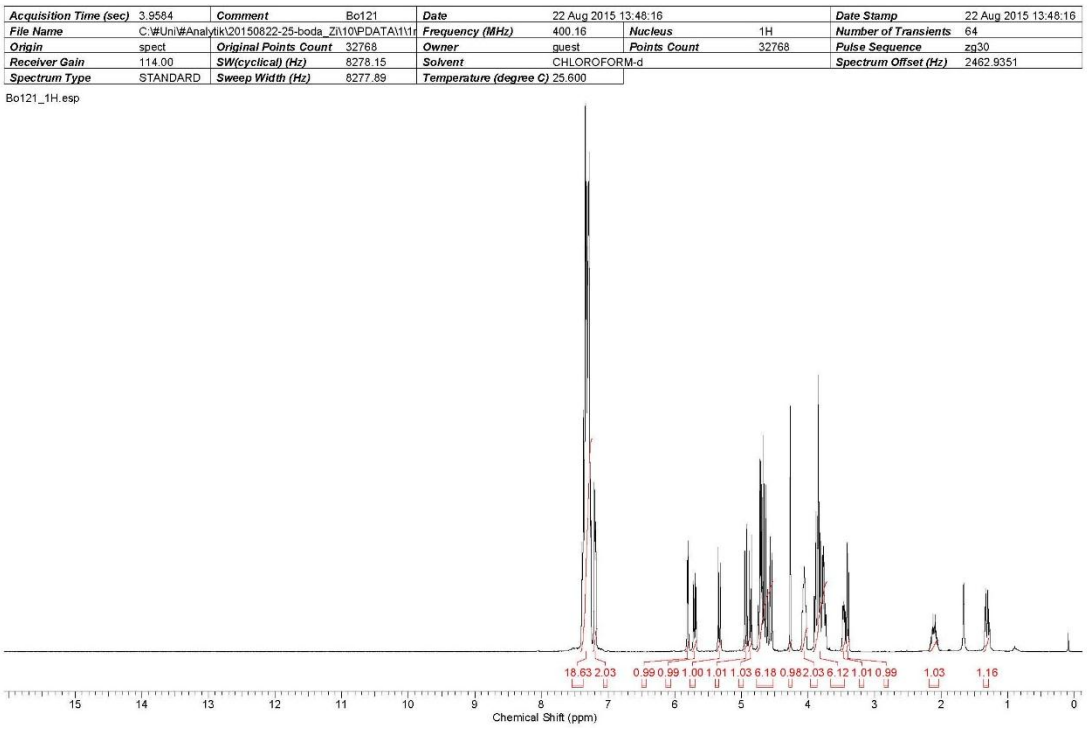

Figure S35. Compound **4c** ^{1}H-NMR.

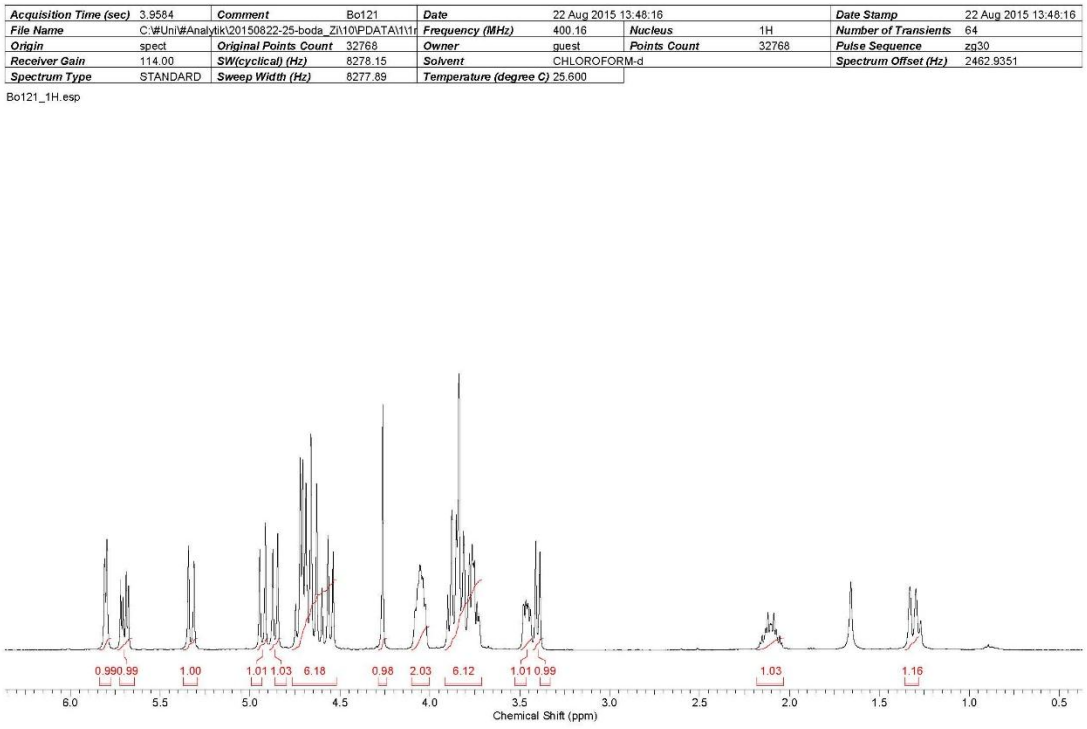

Figure S36. Compound **4c** ^{1}H-NMR Zoom.

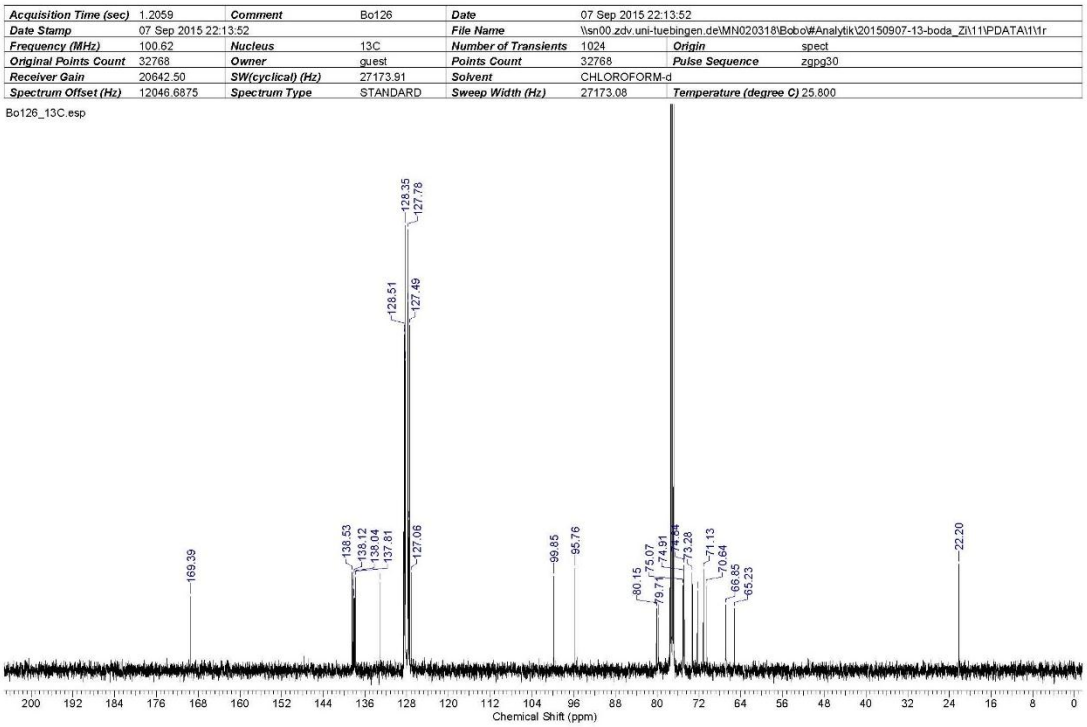

Figure S37. Compound **4d** ^{13}C-NMR.

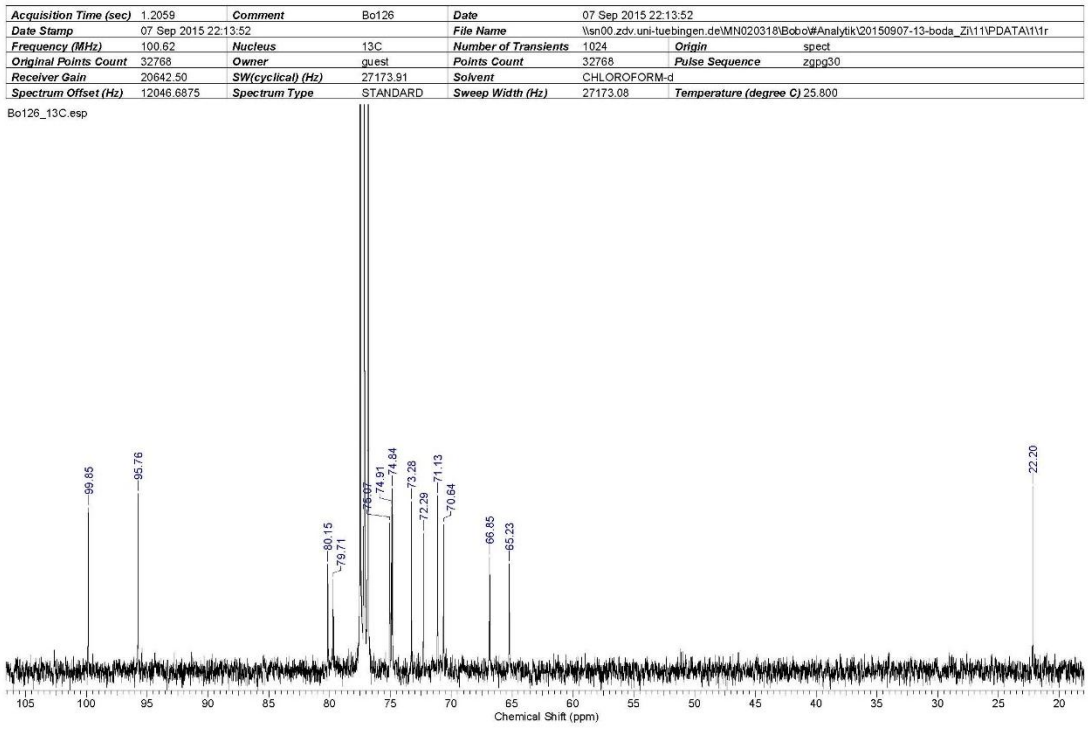

Figure S38. Compound **4d** ^{13}C-NMR Zoom.

Acquisition Time (sec)	3.9584	***Comment***	Bo126	***Date***	07 Sep 2015 16:26:08		
Date Stamp	07 Sep 2015 16:26:08			***File Name***	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\20150907-13-boda_Zi\10\pdata\1\1r		
Frequency (MHz)	400.16	***Nucleus***	1H	***Number of Transients***	64	***Origin***	spect
Original Points Count	32768	***Owner***	guest	***Points Count***	32768	***Pulse Sequence***	zg30
Receiver Gain	128.00	***SW(cyclical) (Hz)***	8278.15	***Solvent***	CHLOROFORM-d		
Spectrum Offset (Hz)	2460.4089	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	8277.89	***Temperature (degree C)***	25.400

Bo126_1H.esp

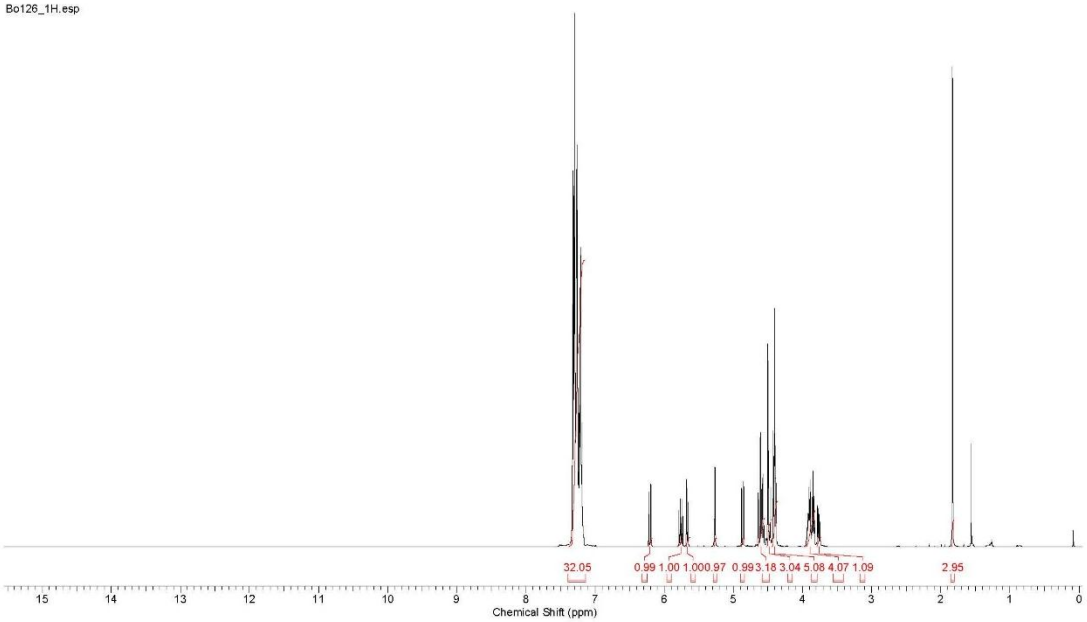

Figure S39. Compound **4d** ^{1}H-NMR.

Acquisition Time (sec)	3.9584	***Comment***	Bo126	***Date***	07 Sep 2015 16:26:08		
Date Stamp	07 Sep 2015 16:26:08			***File Name***	\\sn00.zdv.uni-tuebingen.de\MN020318\Bobo\#Analytik\20150907-13-boda_Zi\10\pdata\1\1r		
Frequency (MHz)	400.16	***Nucleus***	1H	***Number of Transients***	64	***Origin***	spect
Original Points Count	32768	***Owner***	guest	***Points Count***	32768	***Pulse Sequence***	zg30
Receiver Gain	128.00	***SW(cyclical) (Hz)***	8278.15	***Solvent***	CHLOROFORM-d		
Spectrum Offset (Hz)	2460.4089	***Spectrum Type***	STANDARD	***Sweep Width (Hz)***	8277.89	***Temperature (degree C)***	25.400

Bo126_1H.esp

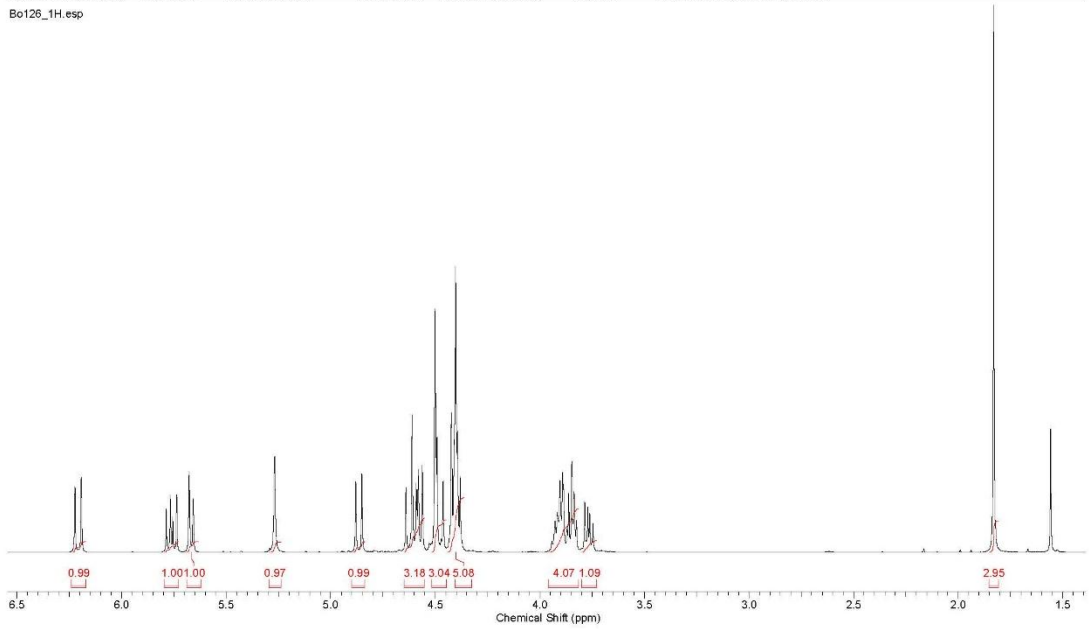

Figure S40. Compound **4d** ^{1}H-NMR Zoom.