Supporting Information

Synthesis of DEFG Ring of Complestatin and Chloropeptin I: Highly Atropdiastereoselective Macrocyclization by Intramolecular Suzuki-Miyaura Reaction

By Yanxing Jia, Michèle Bois-Choussy, Jieping Zhu*

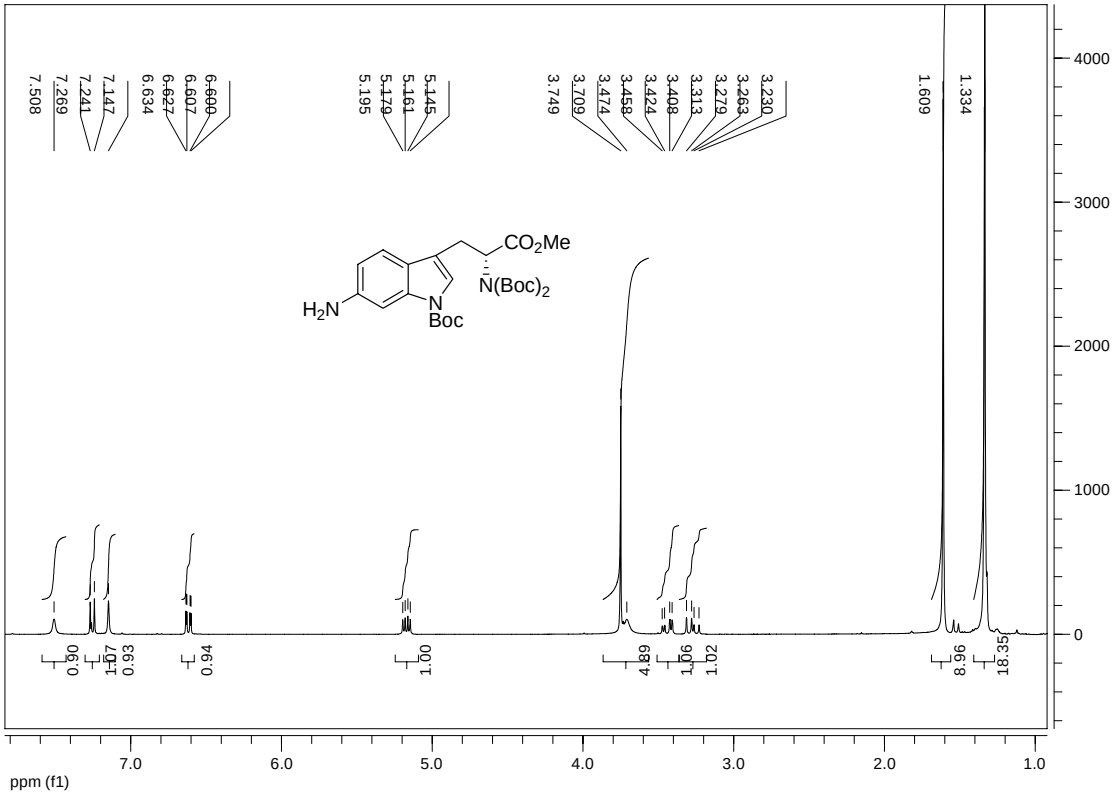
Institut de Chimie des Substances Naturelles, CNRS, 91198 Gif-sur-Yvette Cedex, France

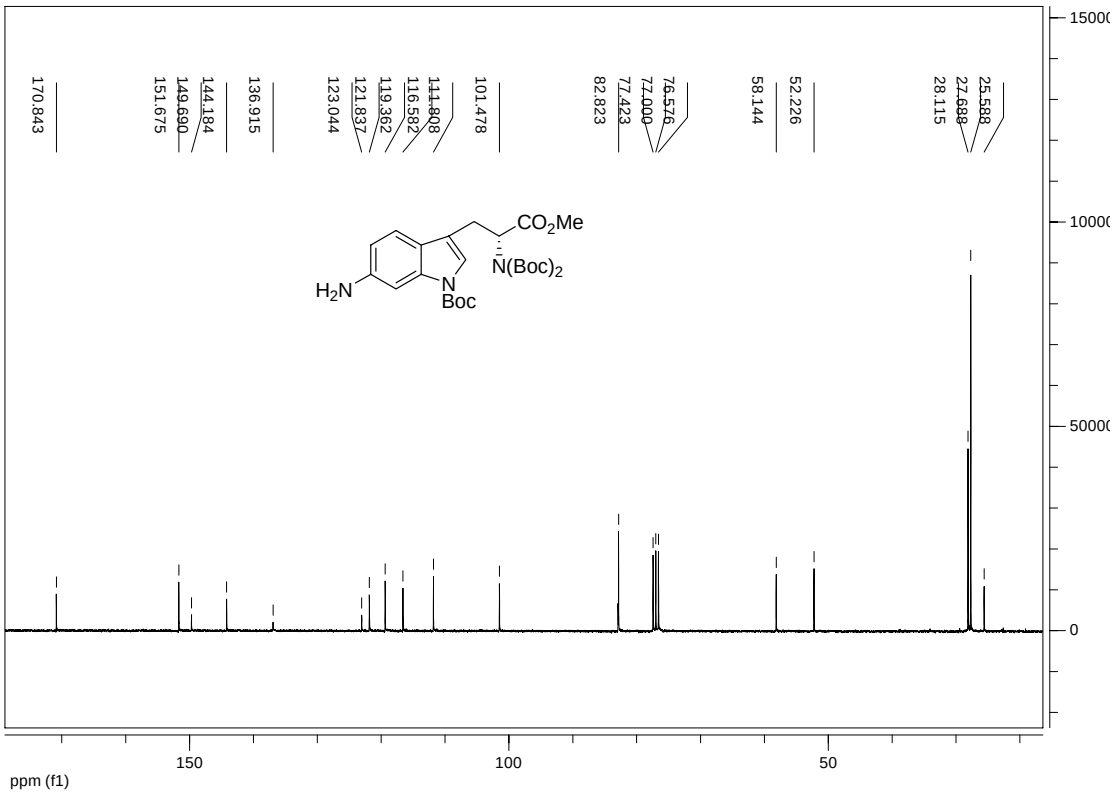
S2-S16 ^{1}H NMR and ^{13}C NMR Spectra of compounds **8-10, 12-19, 22, 23, 3, 4**

S17-S19 HPLC analysis of **15**

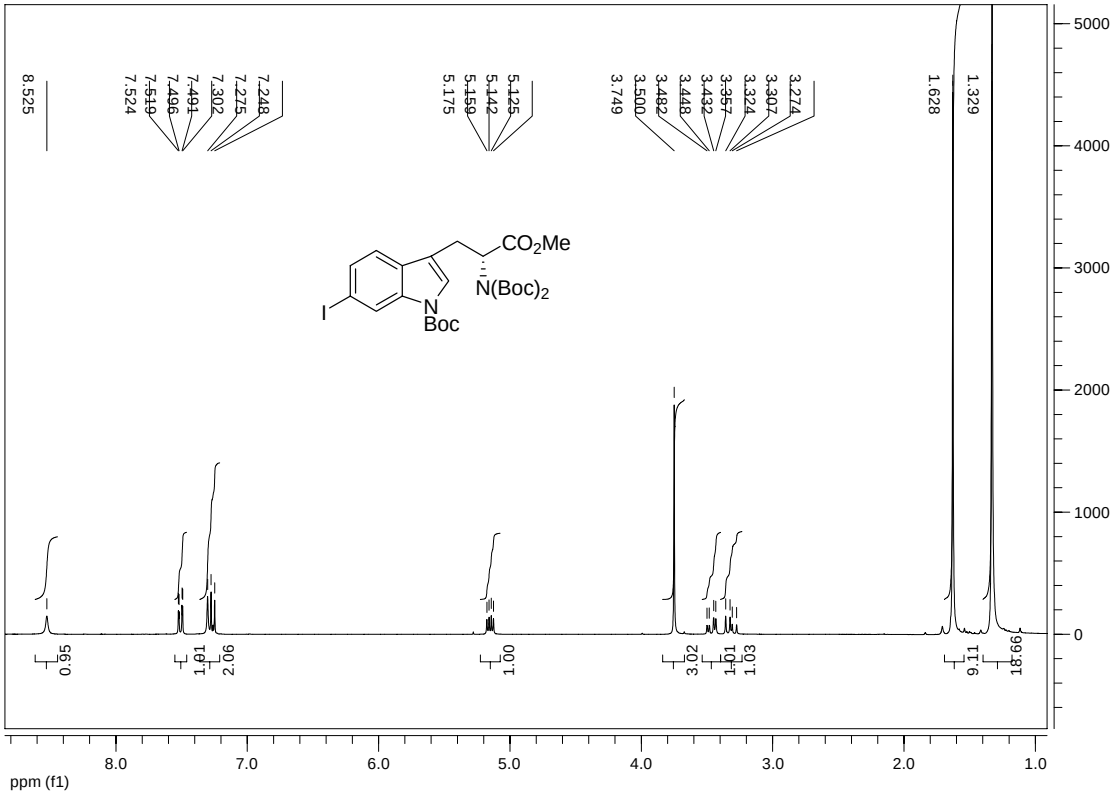
S20-S21 HPLC analysis of **17**

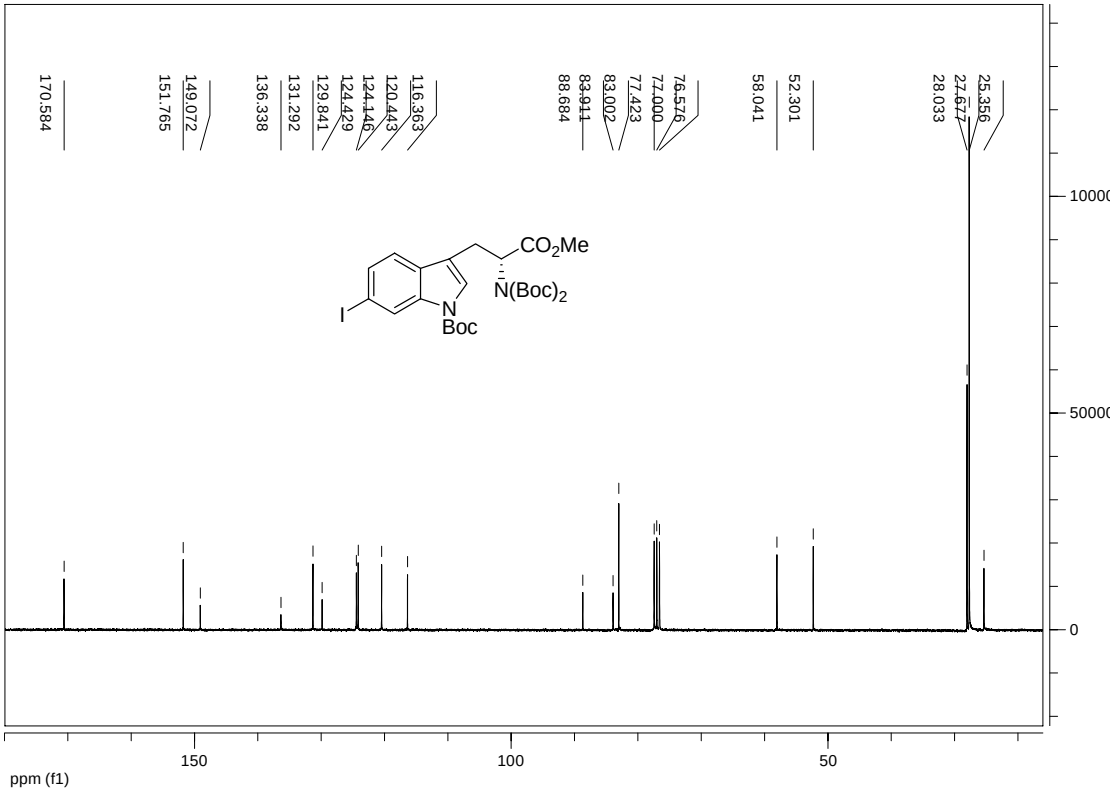
^{1}H NMR and ^{13}C NMR Spectra of compound **8**



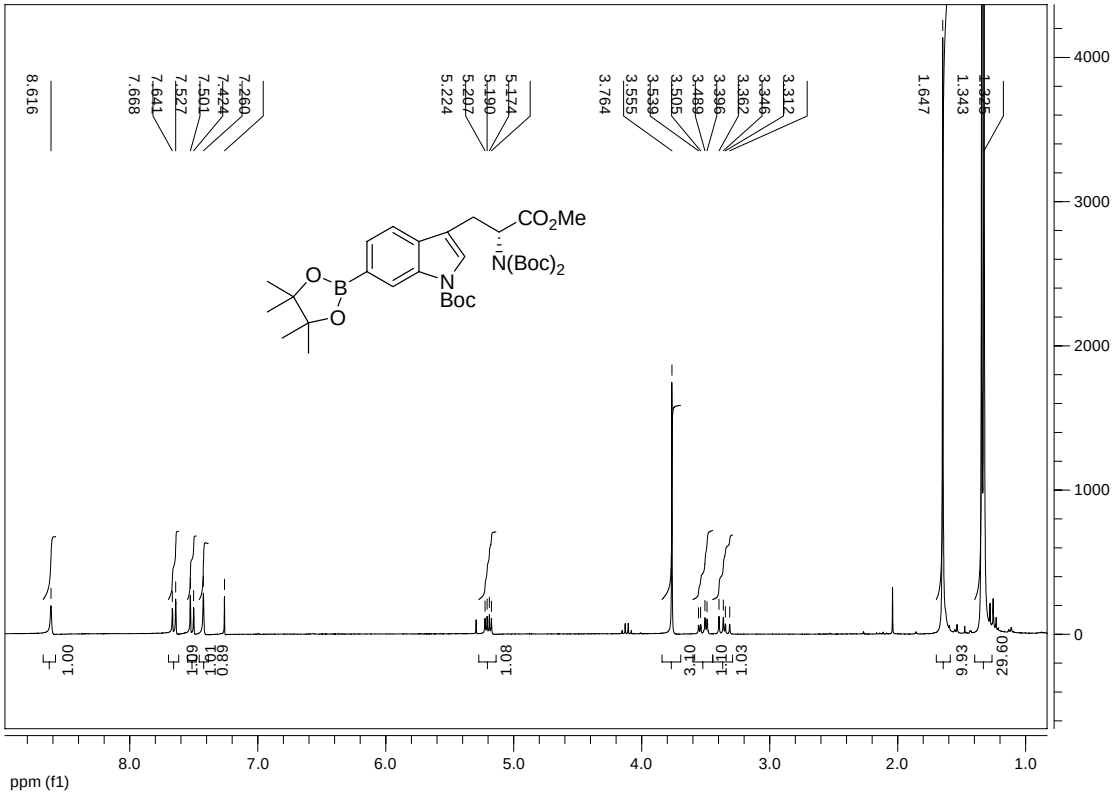


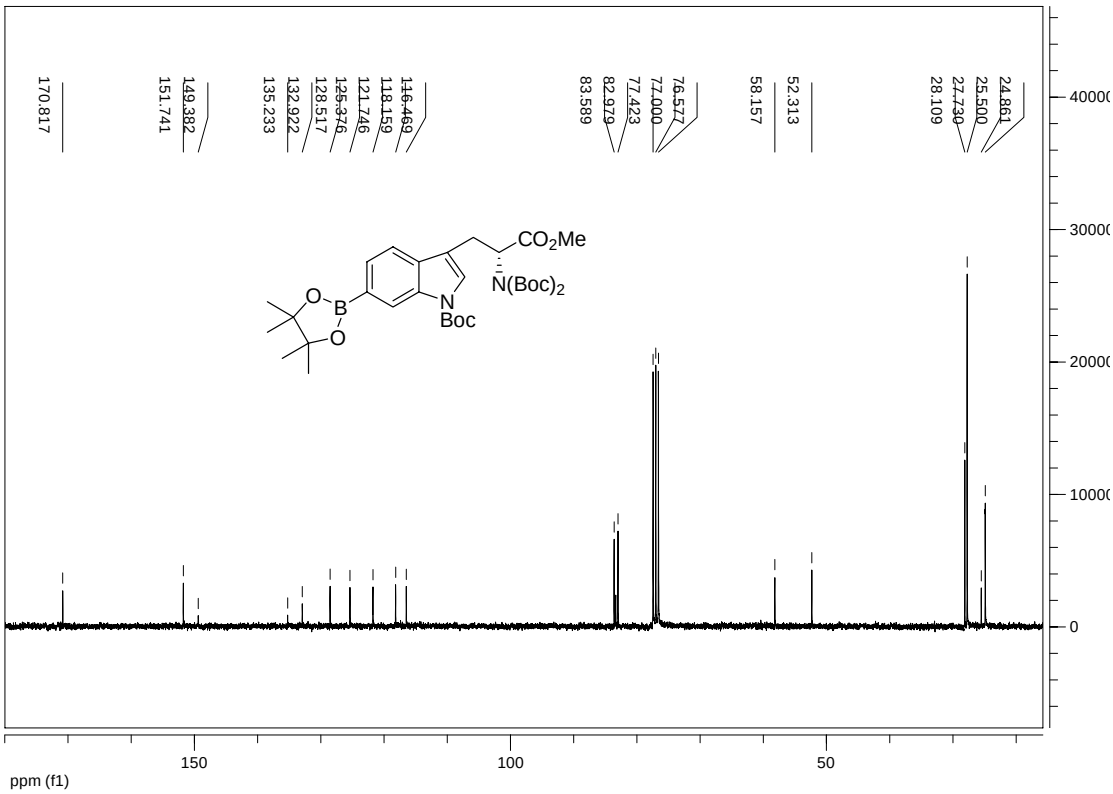
^{1}H NMR and ^{13}C NMR Spectra of compound **9**



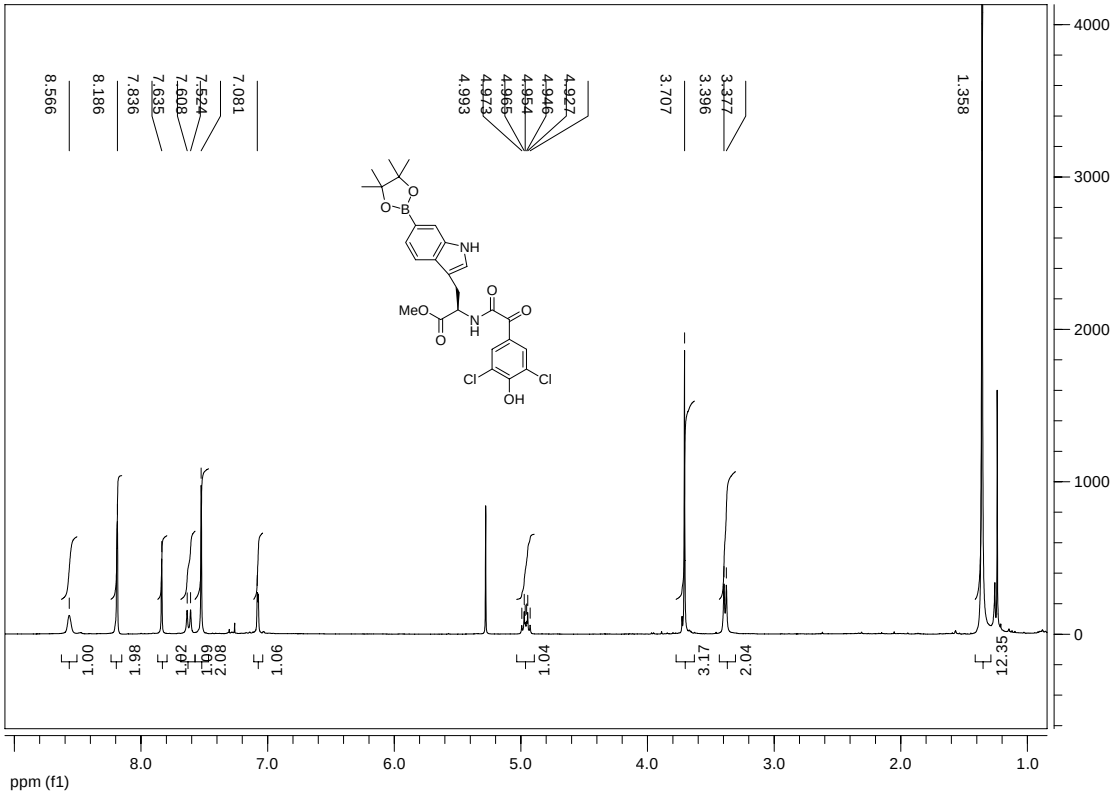


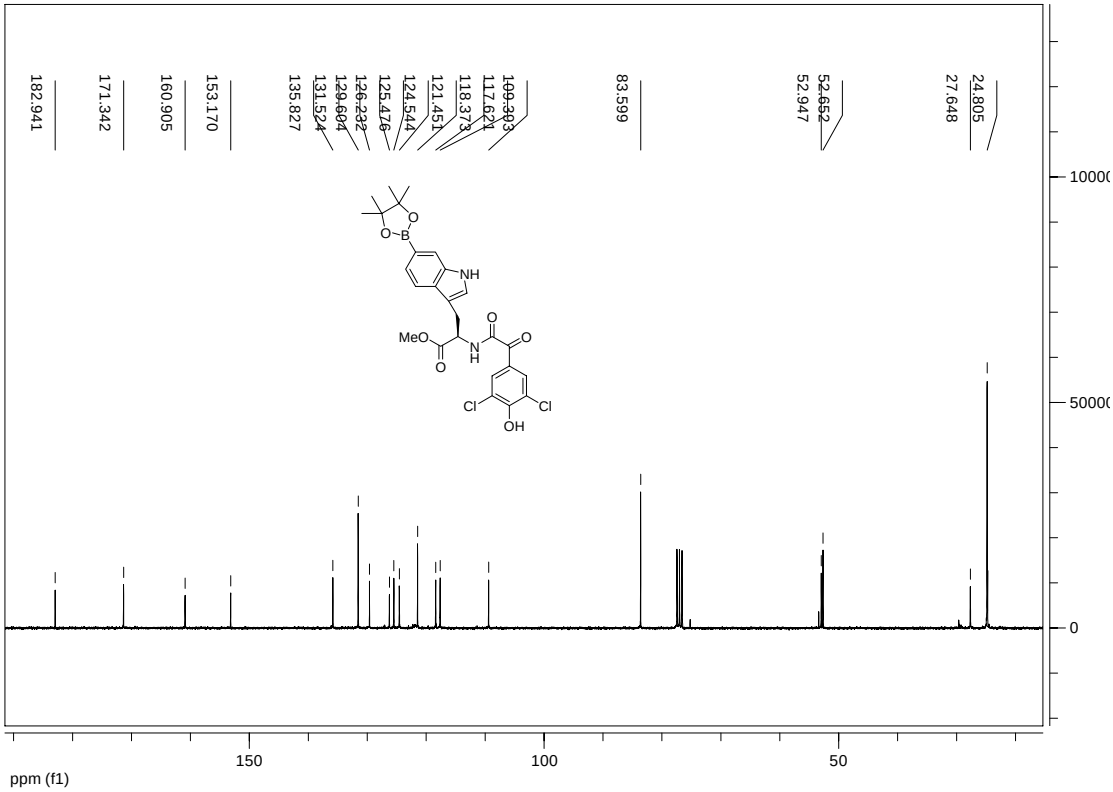
^{1}H NMR and ^{13}C NMR Spectra of compound **10**



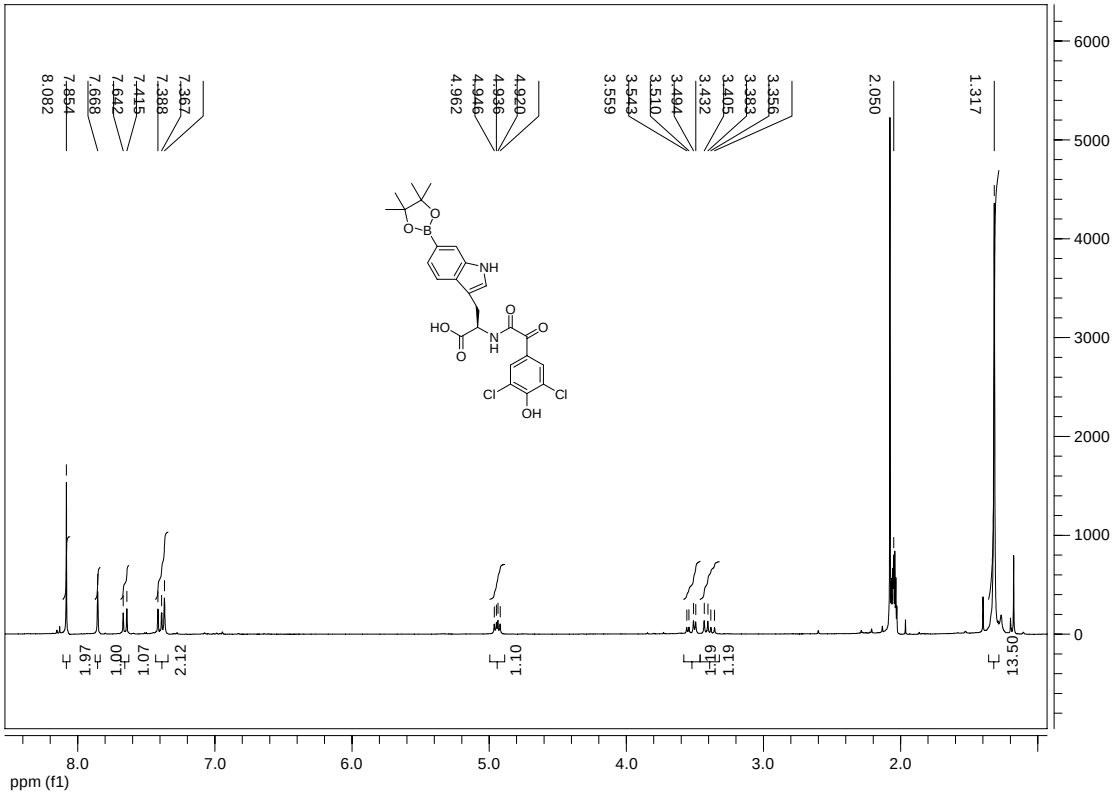


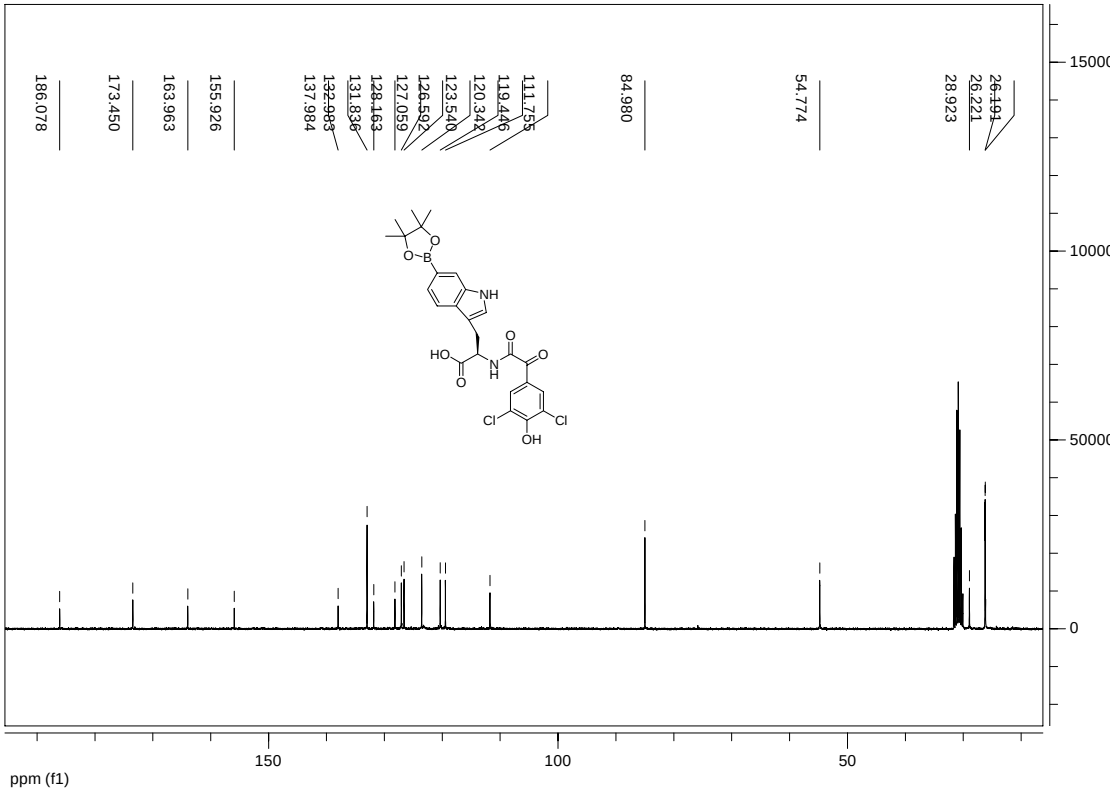
^{1}H NMR and ^{13}C NMR Spectra of compound **12**



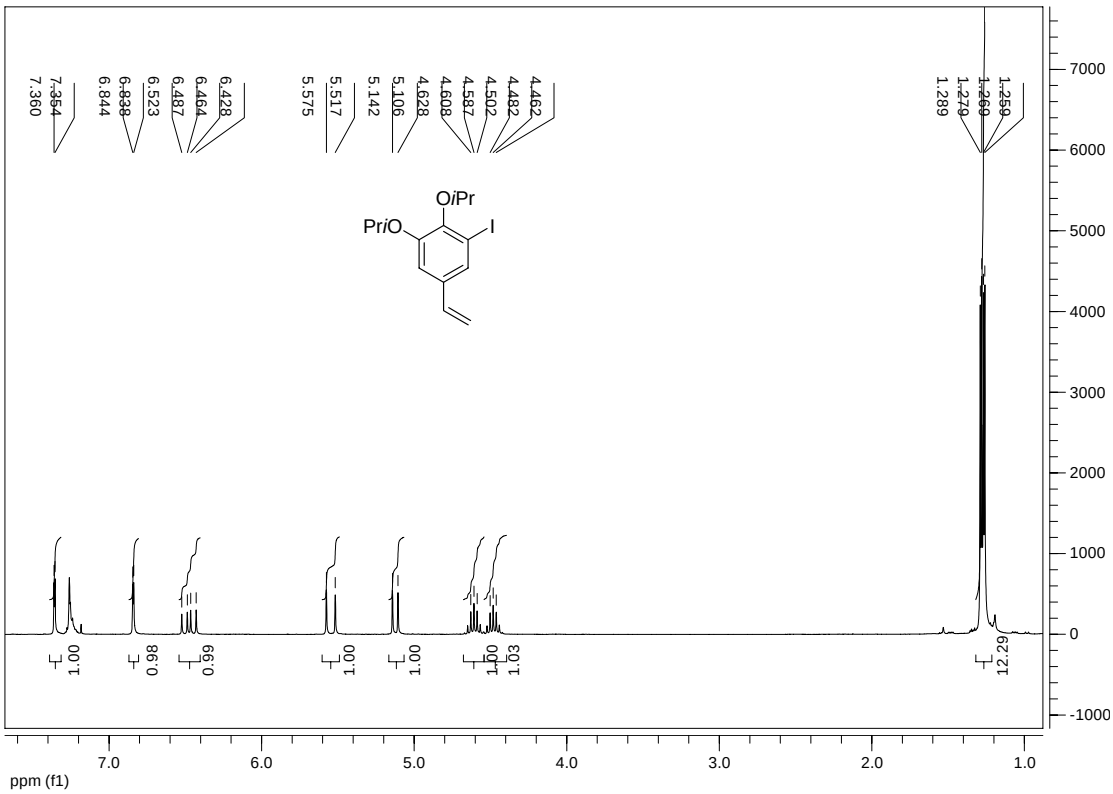


^{1}H NMR and ^{13}C NMR Spectra of compound **13**

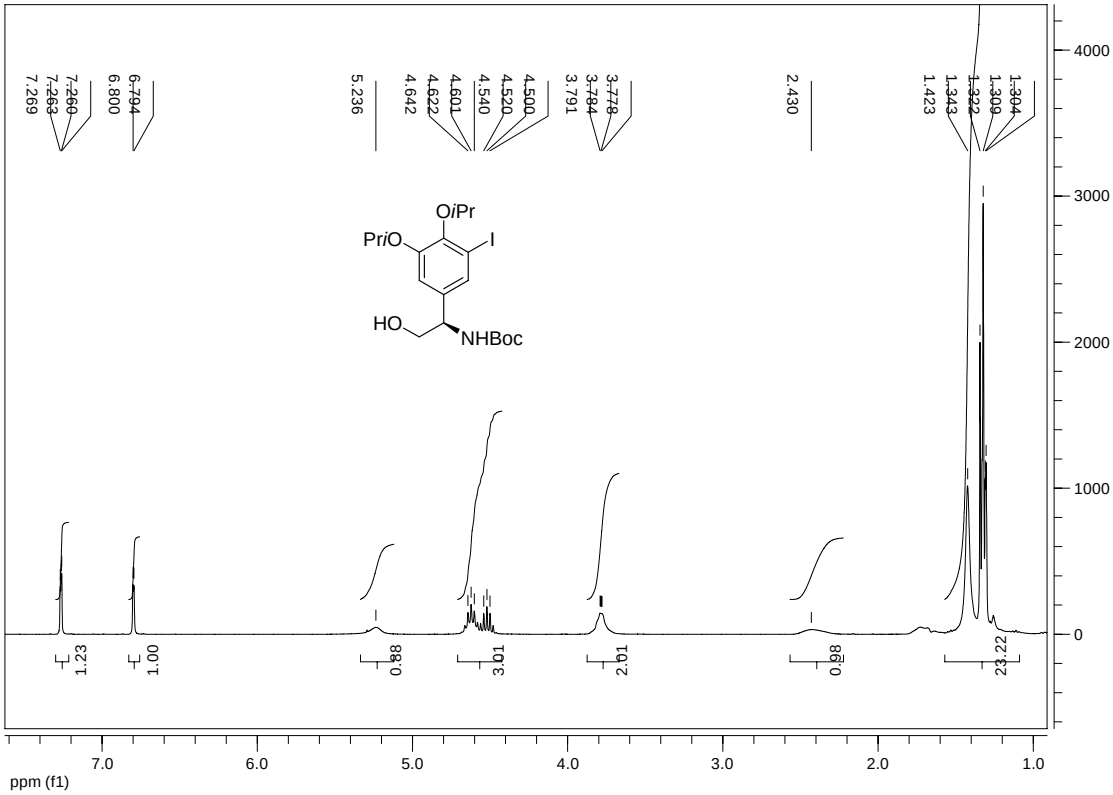


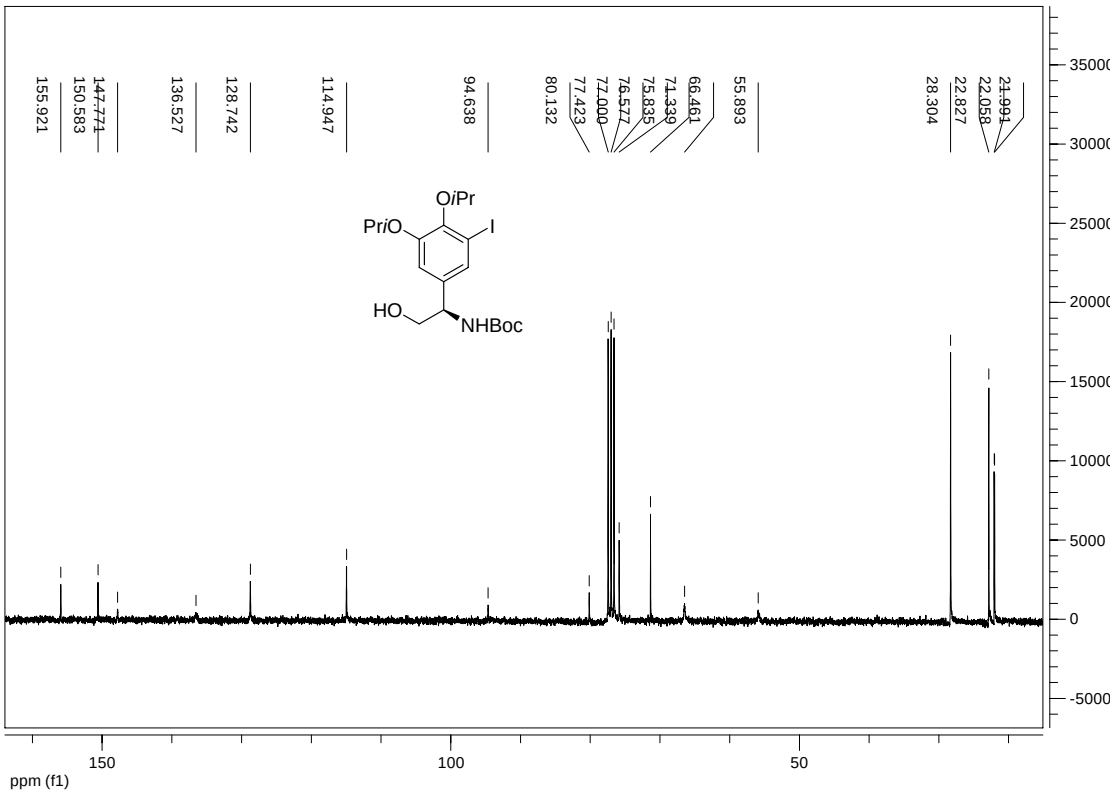


^{1}H NMR Spectrum of compound **14**

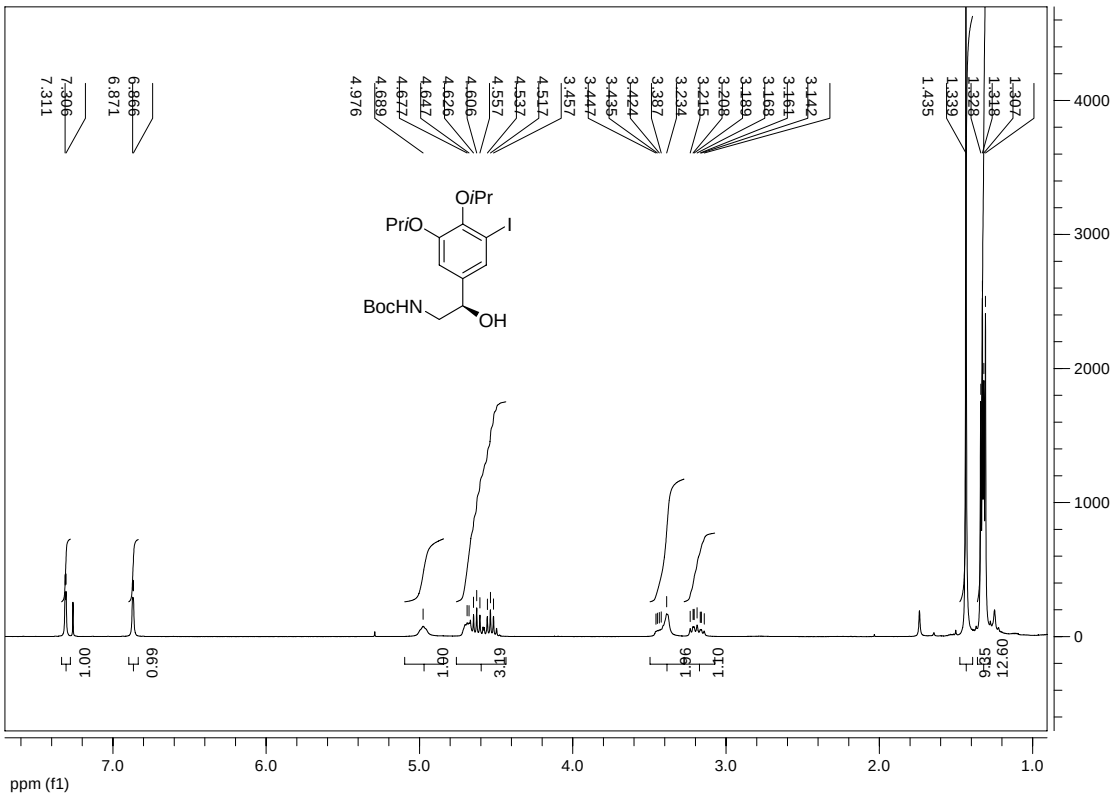


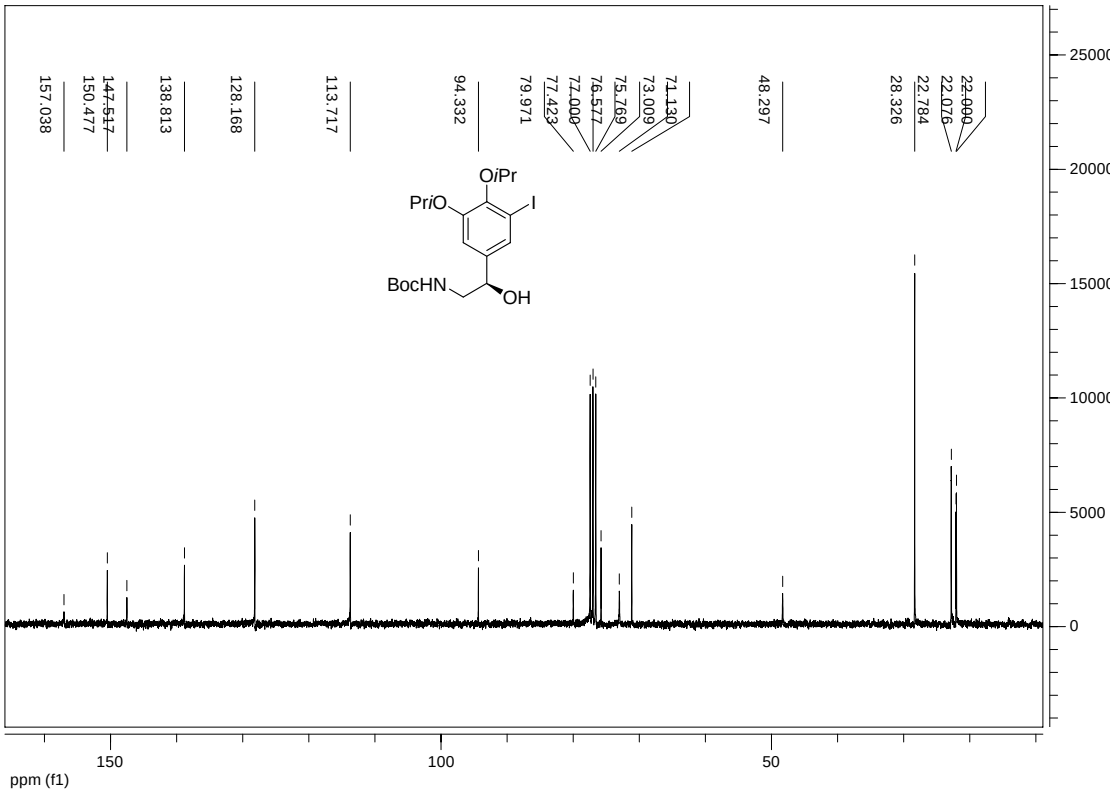
^{1}H NMR and ^{13}C NMR Spectra of compound **15**



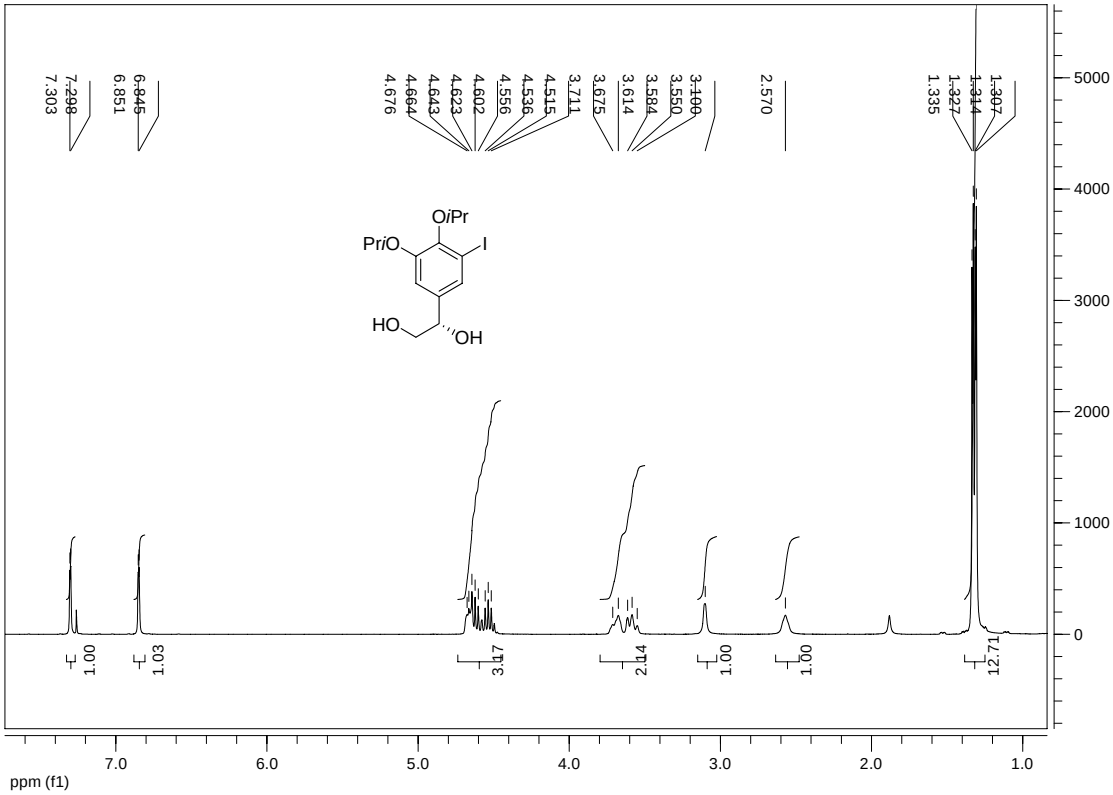


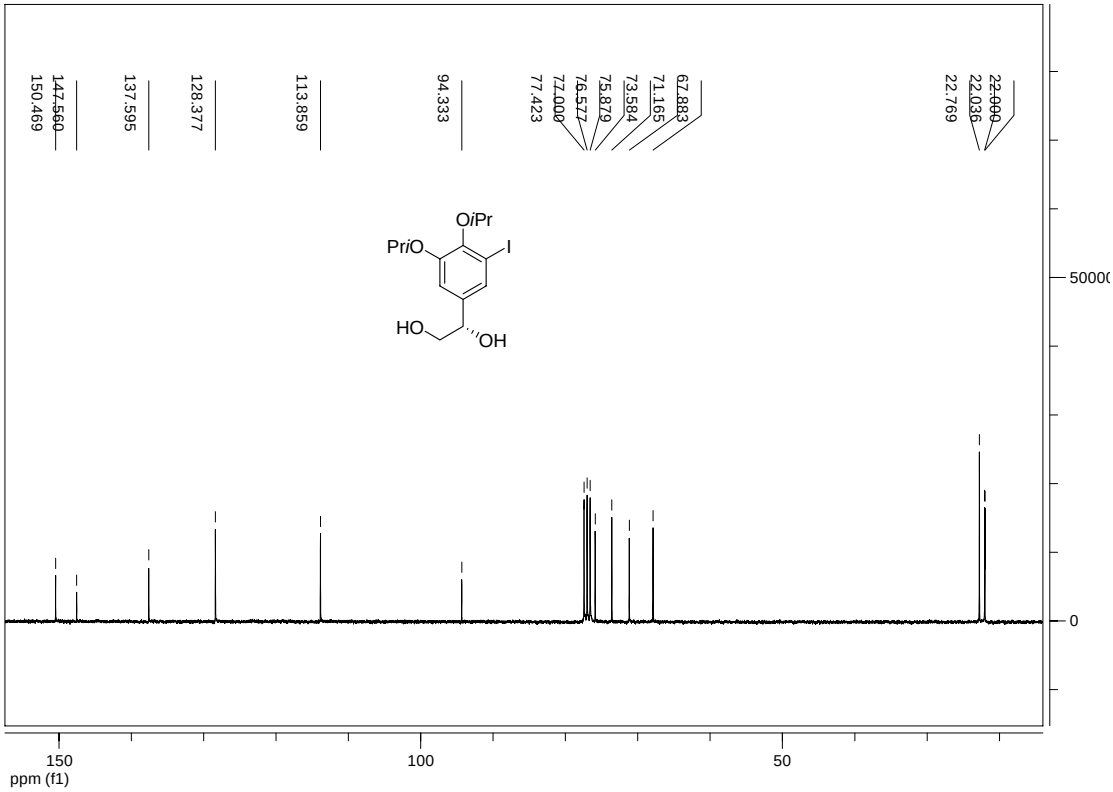
^{1}H NMR and ^{13}C NMR Spectra of compound **16**



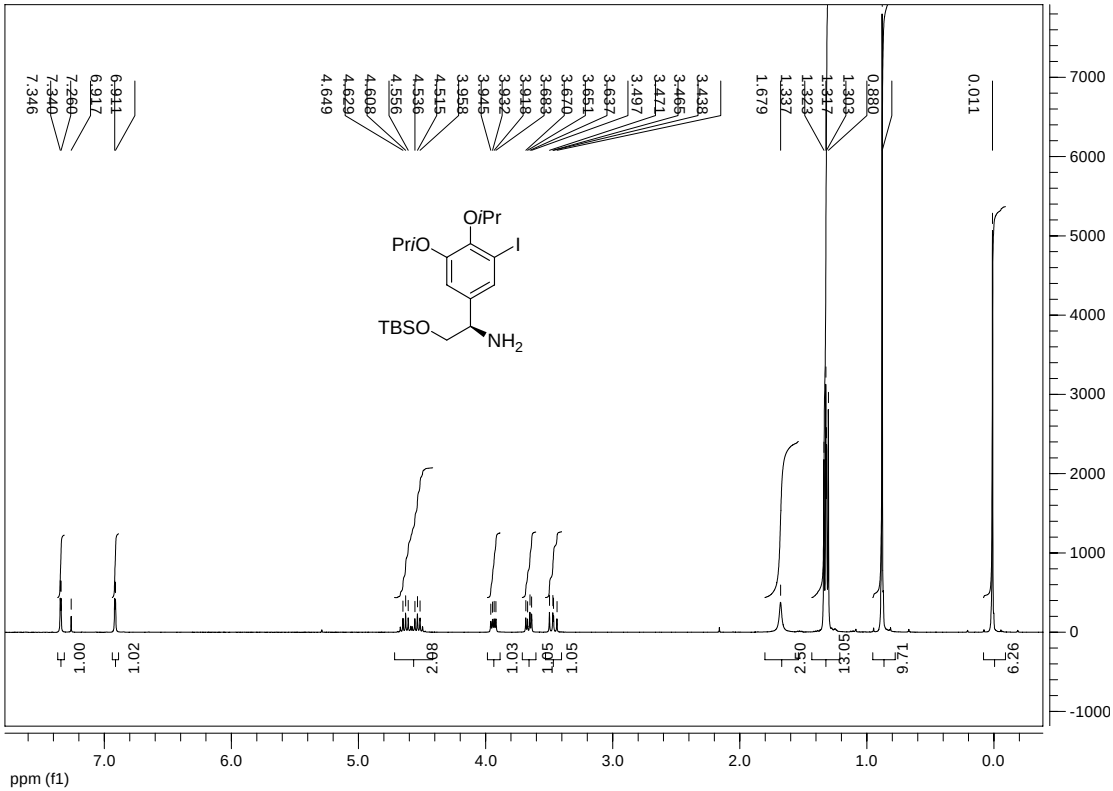


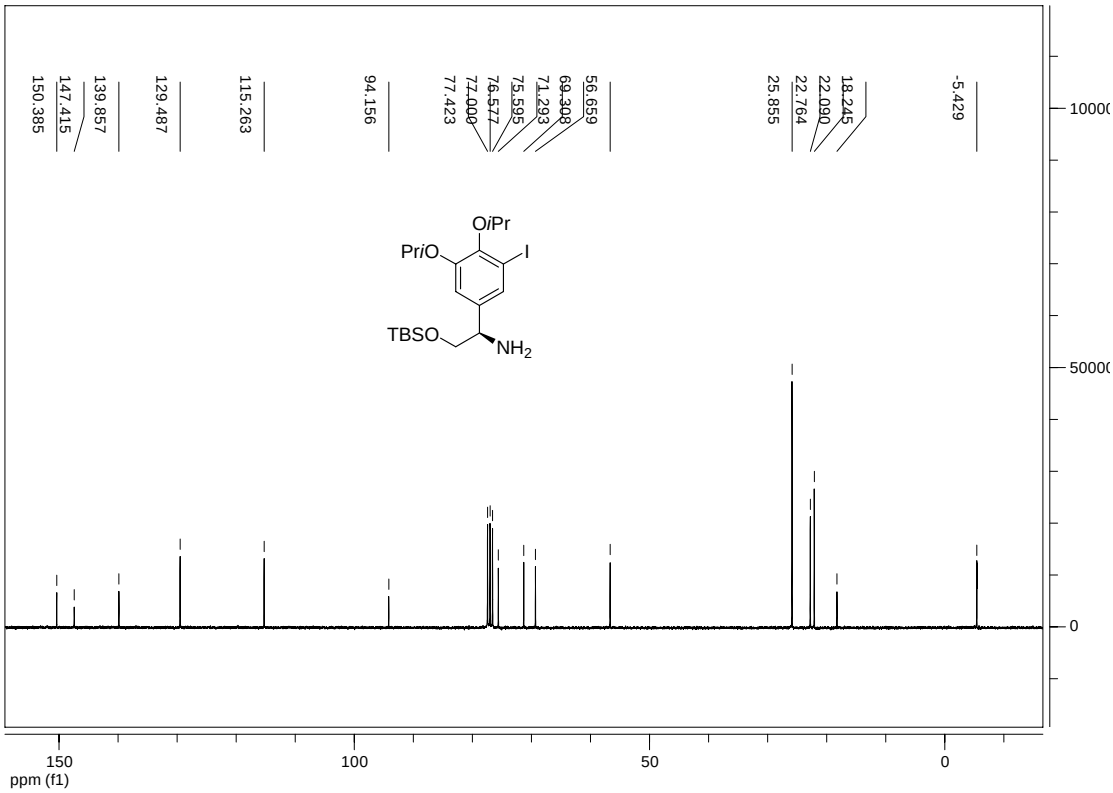
^{1}H NMR and ^{13}C NMR Spectra of compound **17**



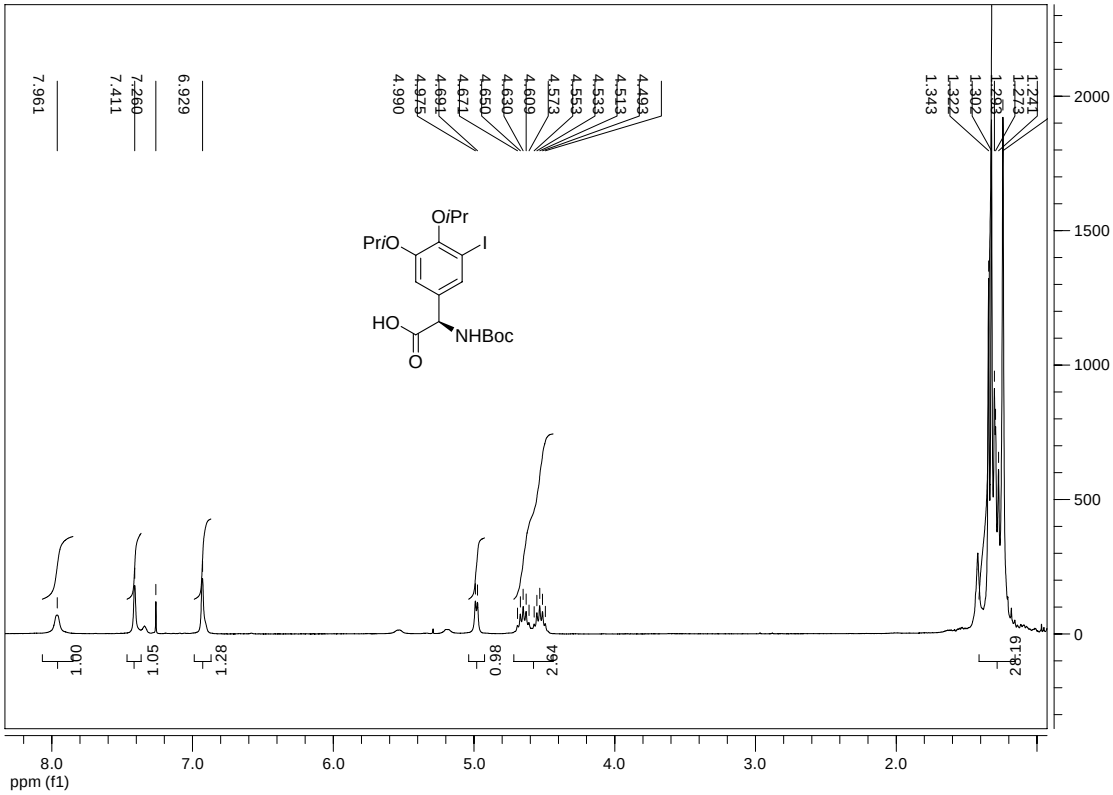


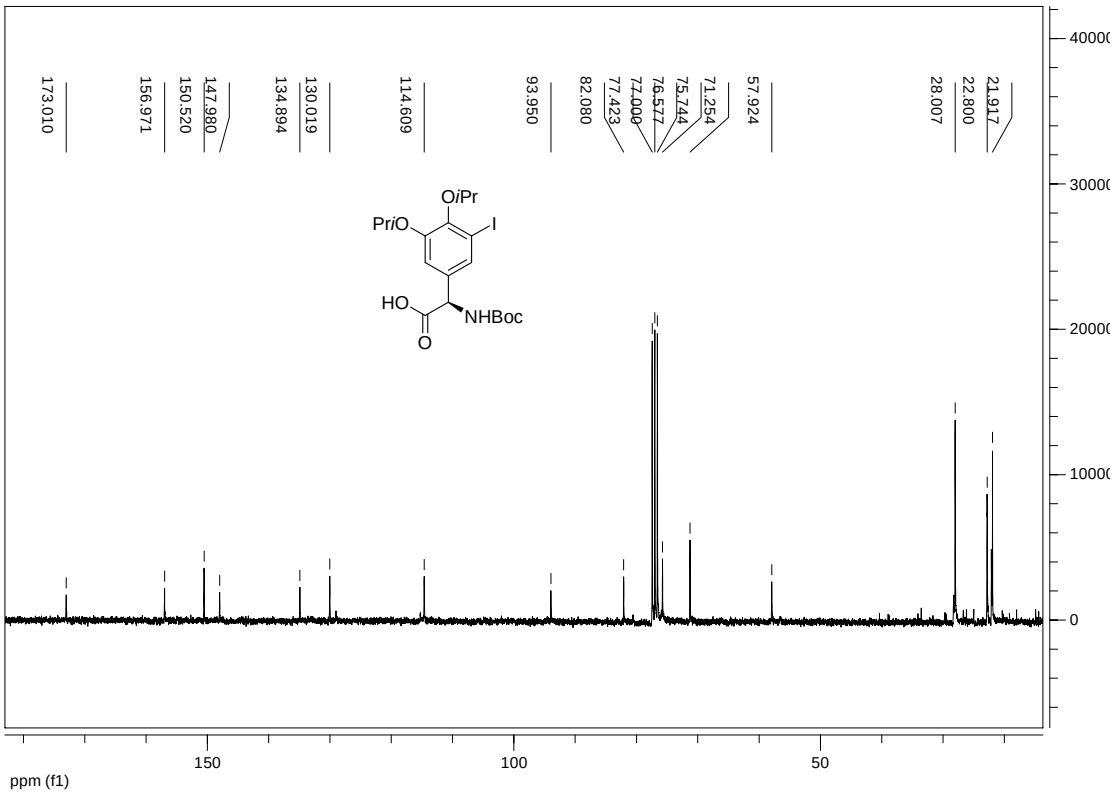
^{1}H NMR and ^{13}C NMR Spectra of compound **18**



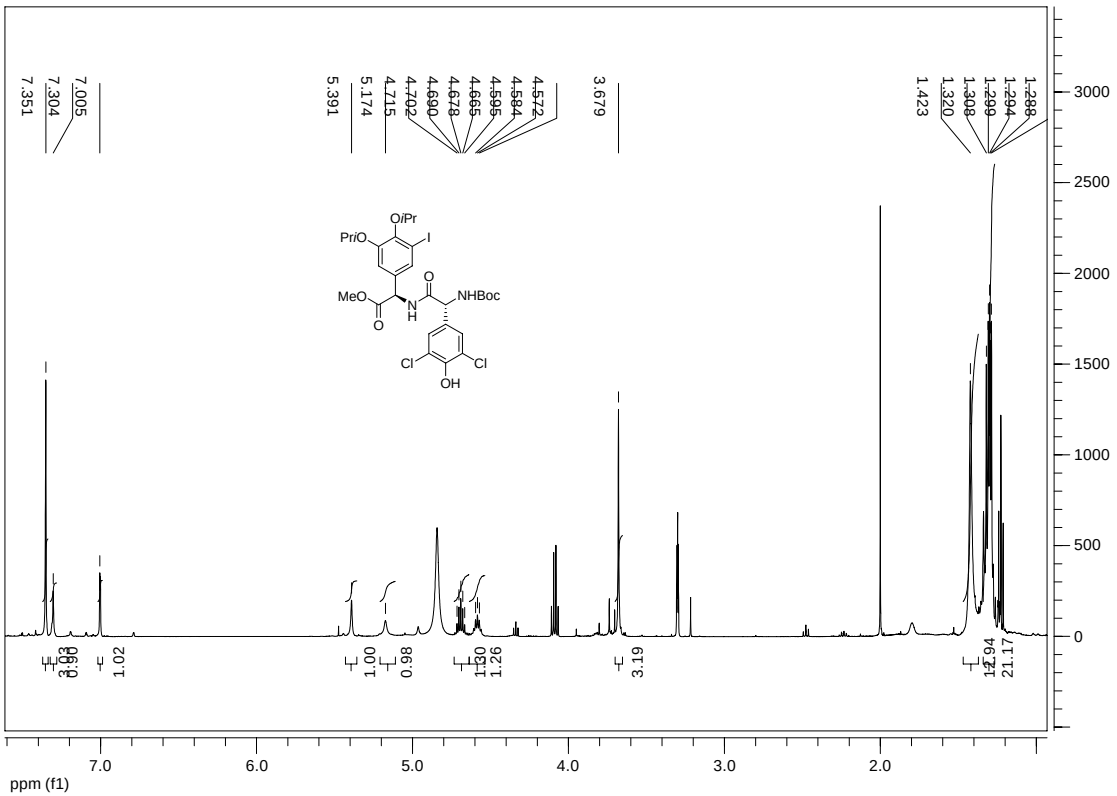


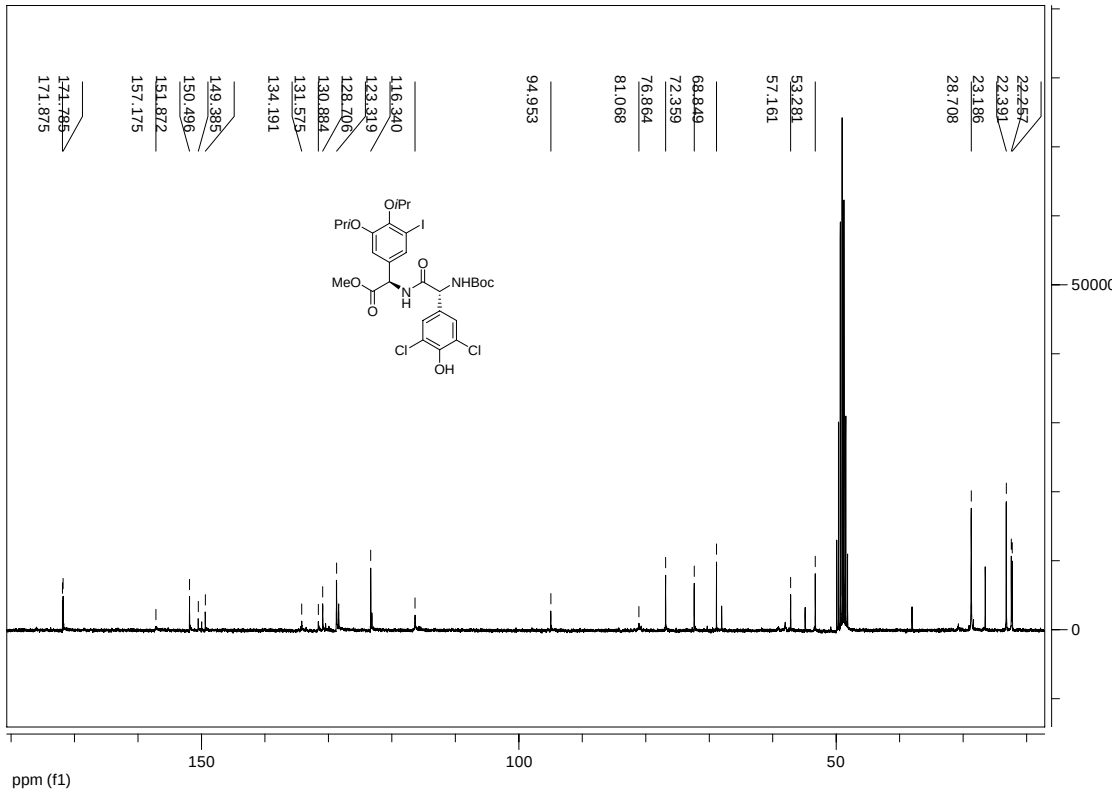
^{1}H NMR and ^{13}C NMR Spectra of compound **19**



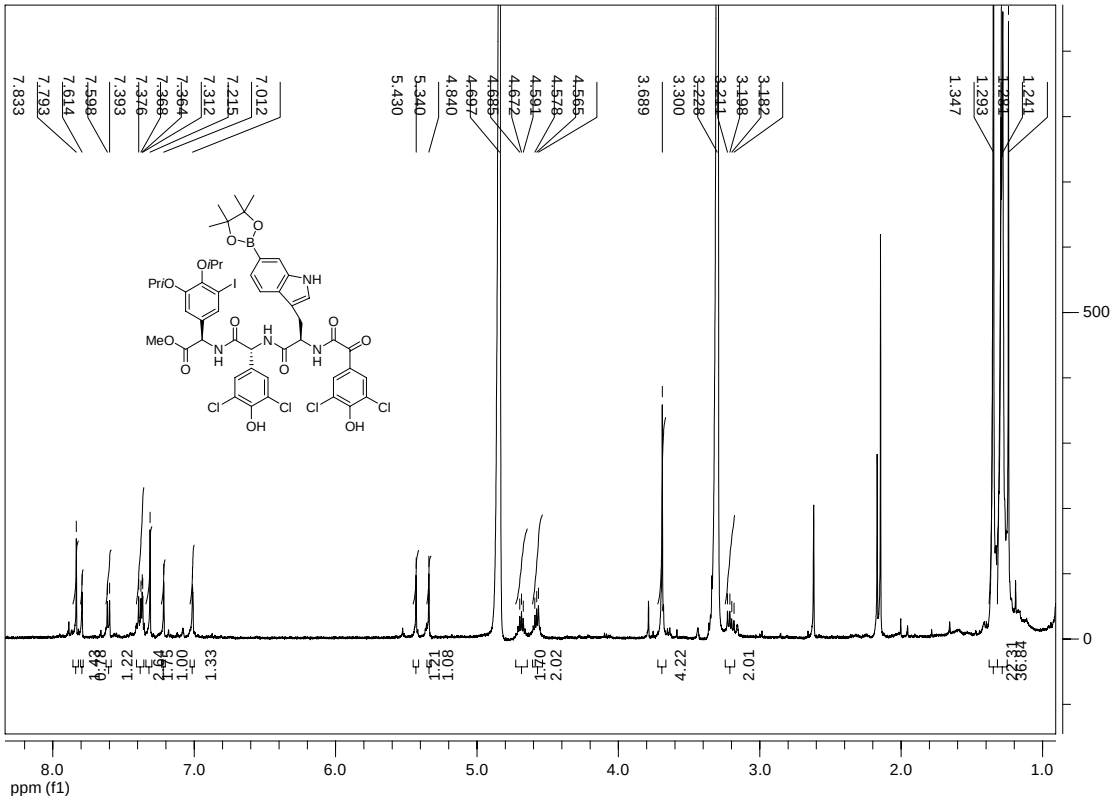


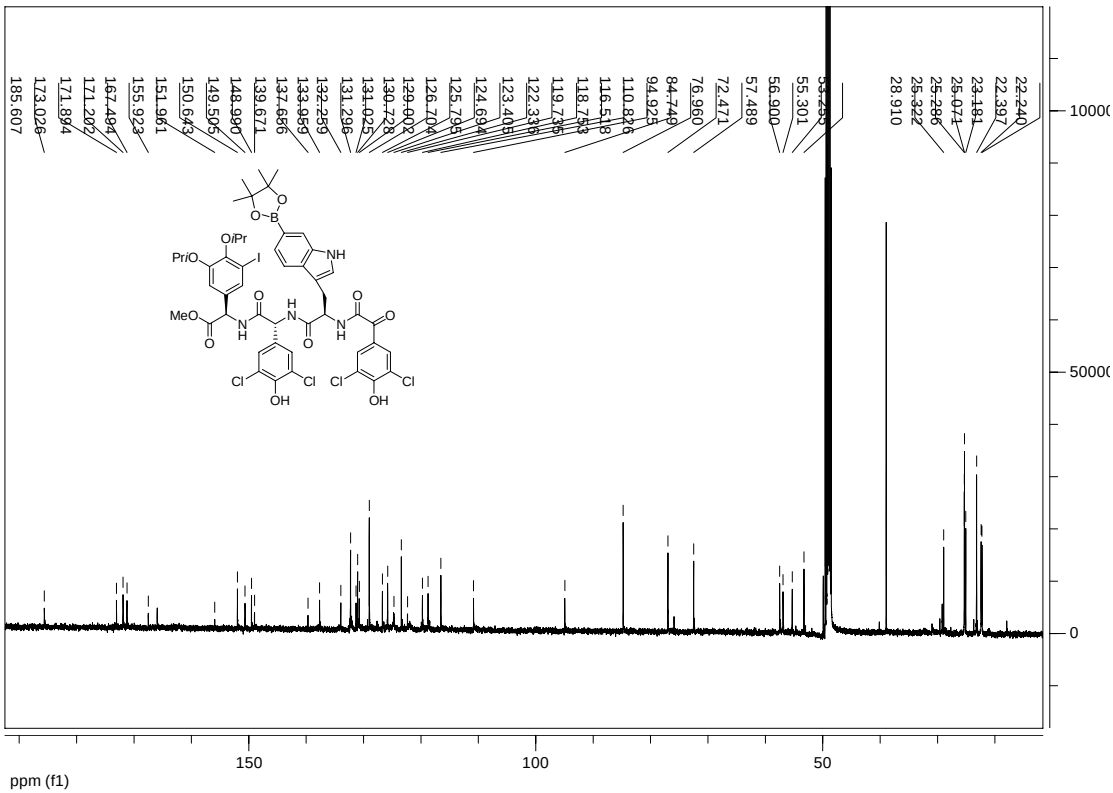
^{1}H NMR and ^{13}C NMR Spectra of compound **22**



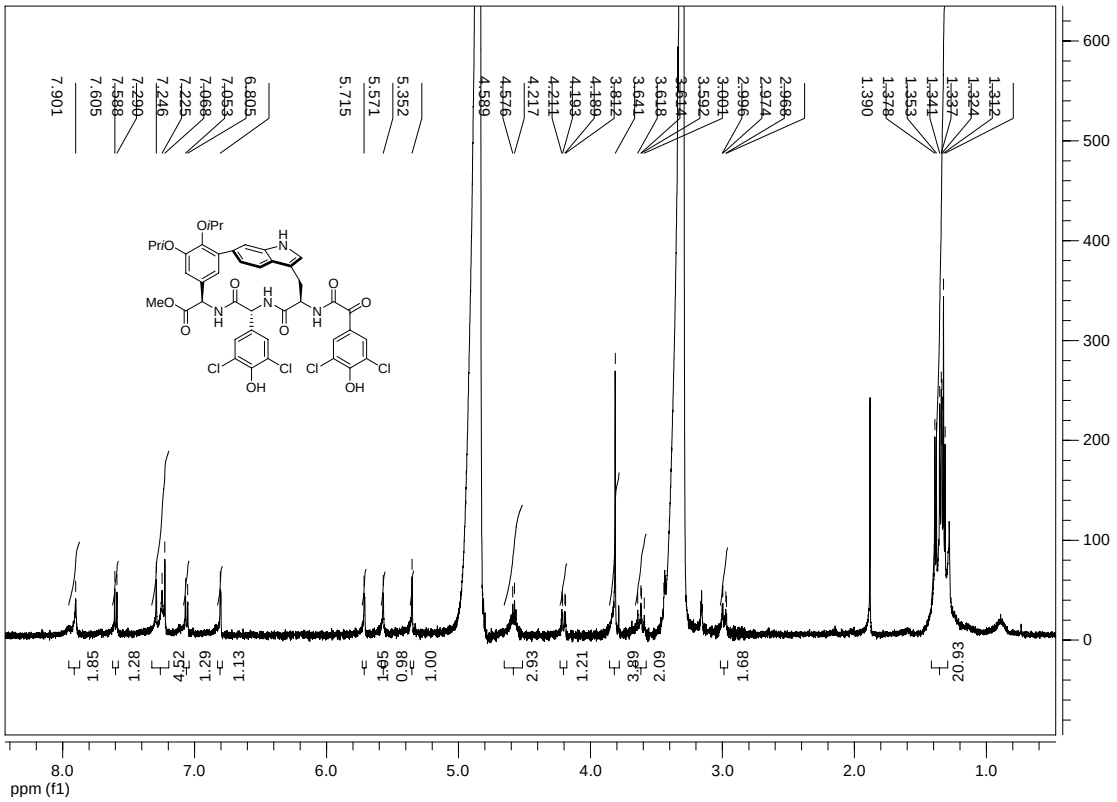


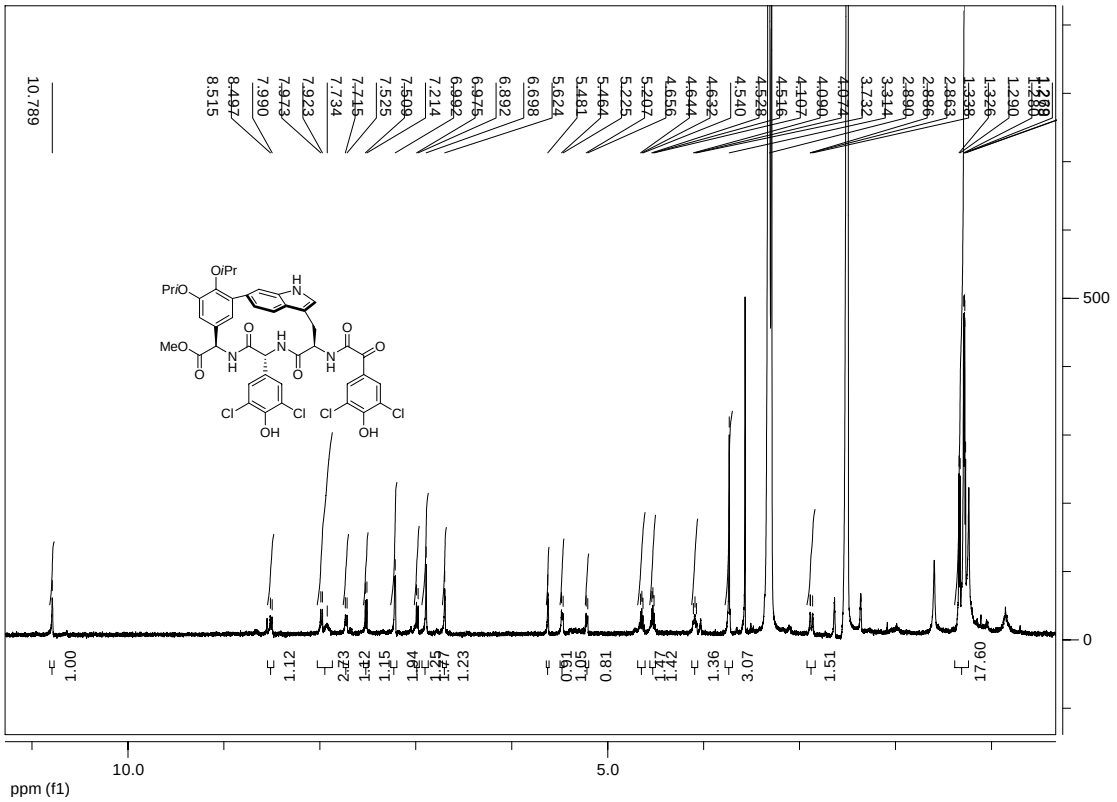
^{1}H NMR and ^{13}C NMR Spectra of compound **23**



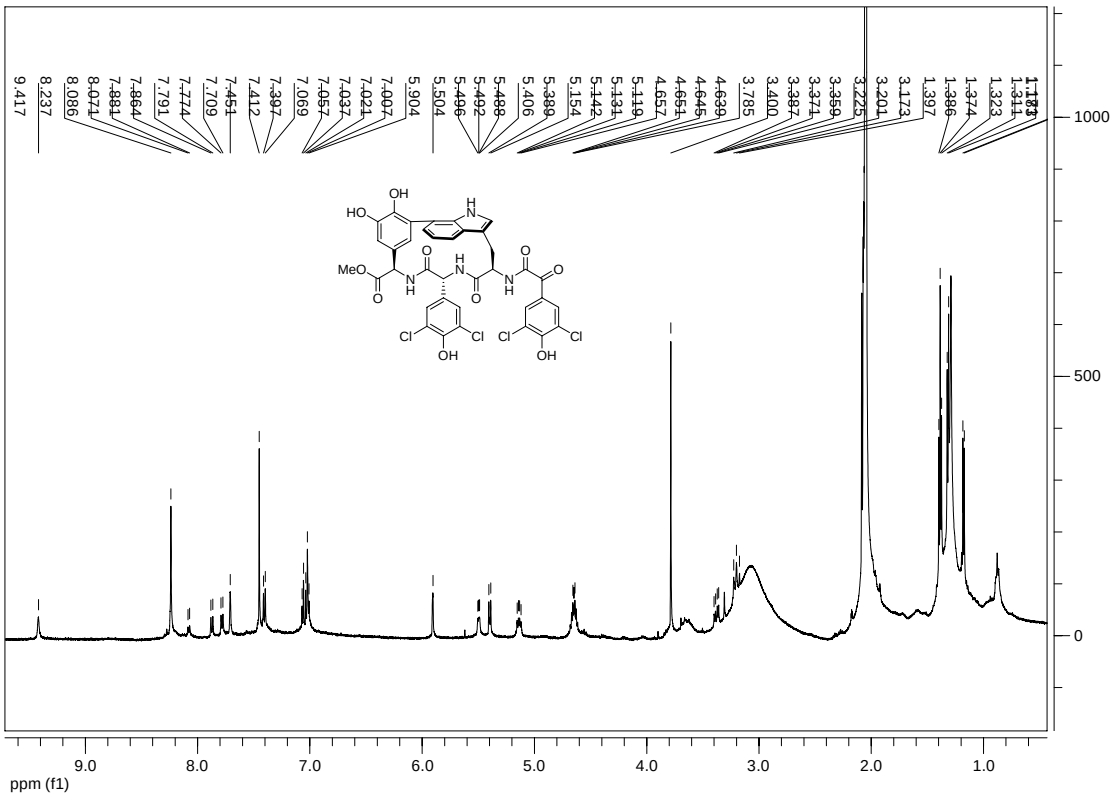


^{1}H NMR Spectra of compound **3**

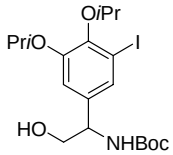




^{1}H NMR Spectrum of compound **4**



HPLC spectrum of racemic **15**



Empower software

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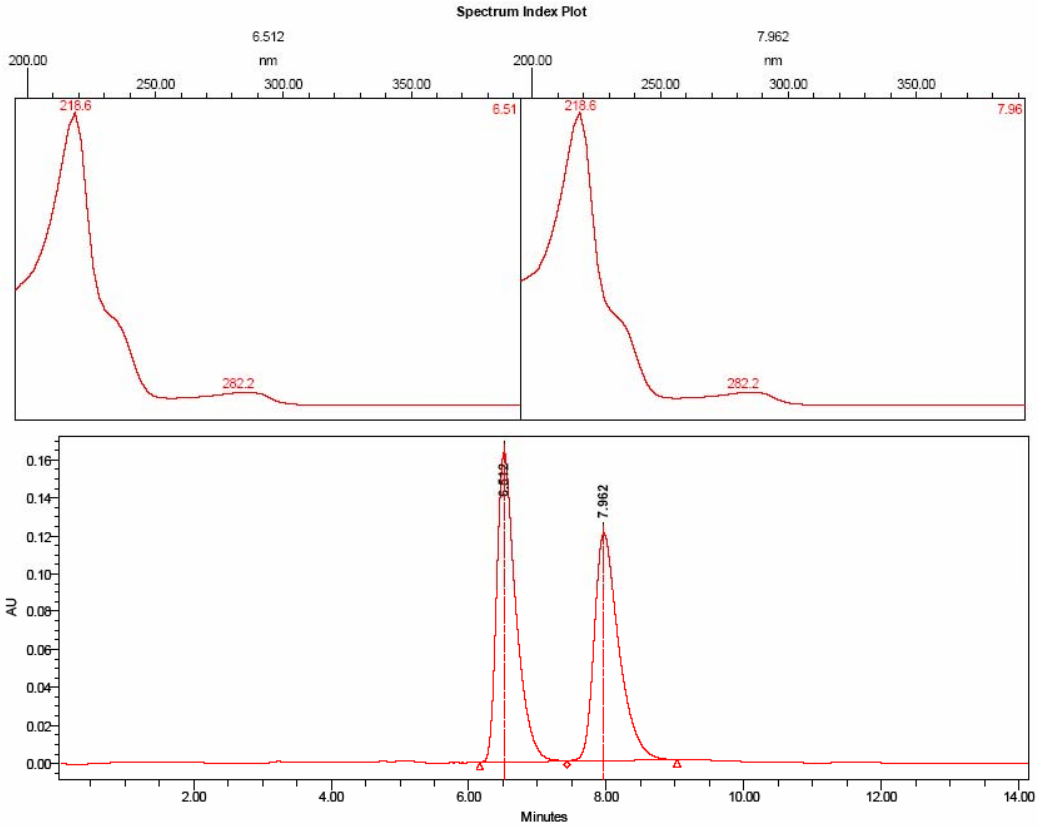


SampleName racemique5/95; Date Acquired 12/19/2006 11:28:56 AM CET; Processed Channel Descr. PDA 230.0 nm; Colonne

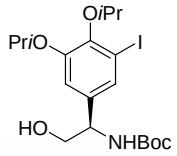
Peak Results

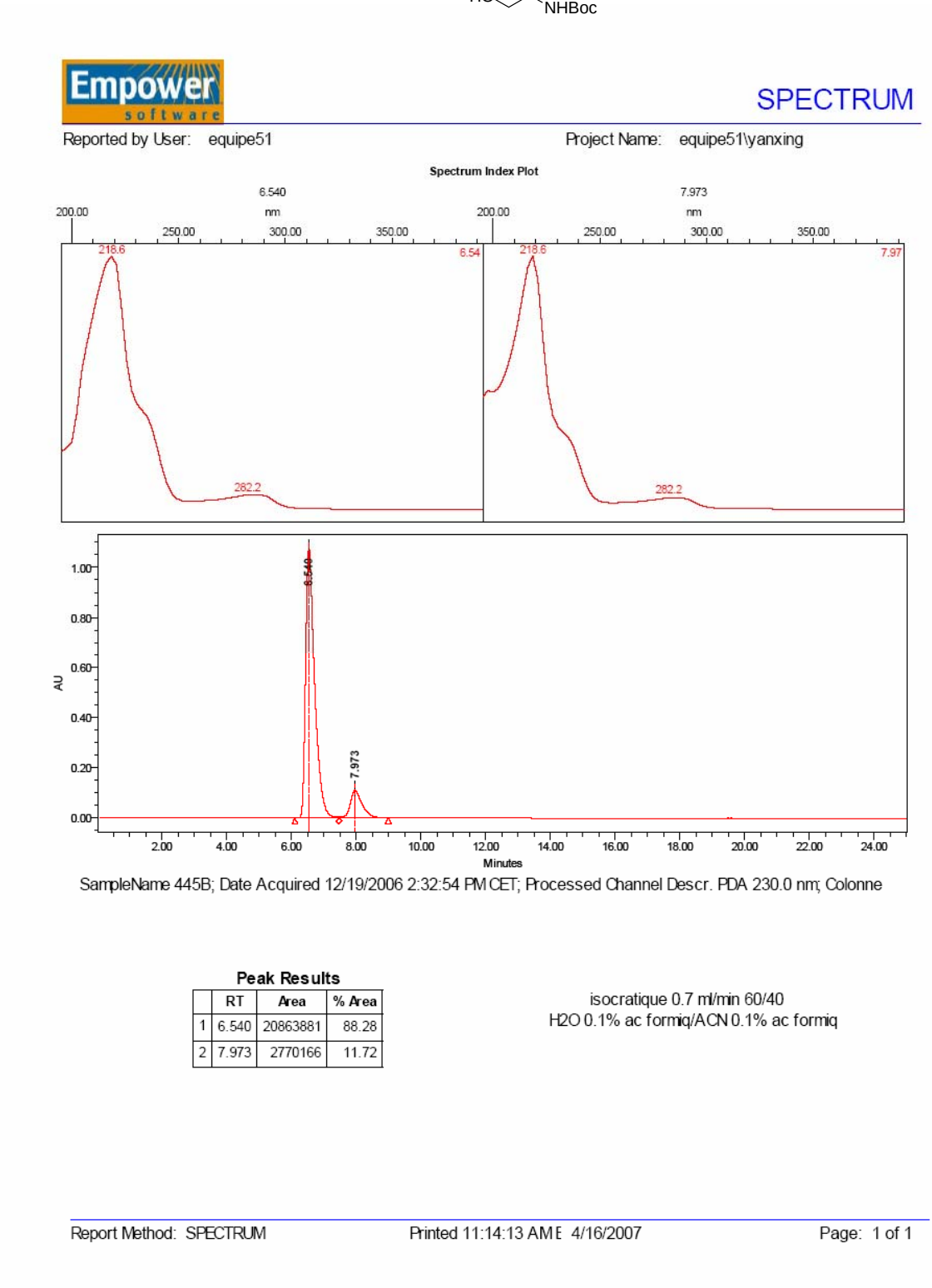
	RT	Area	% Area
1	6.512	3156328	51.47
2	7.962	2975462	48.53

isocratique 0.7 ml/min 60/40
H2O 0.1% ac formiq/ACN 0.1% ac formiq

Report Method: SPECTRUM Printed 11:11:44 AM E 4/16/2007 Page: 1 of 1

HPLC spectrum of (*R*)-**15** from **14** using Sharpless asymmetric aminohydroxylation reaction





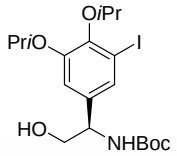
Peak Results

	RT	Area	% Area
1	6.540	20863881	88.28
2	7.973	2770166	11.72

isocratique 0.7 ml/min 60/40
H2O 0.1% ac formiq/ACN 0.1% ac formiq

Report Method: SPECTRUM Printed 11:14:13 AM E 4/16/2007 Page: 1 of 1

HPLC spectrum of (*R*)-**15** from **18**



Empower software

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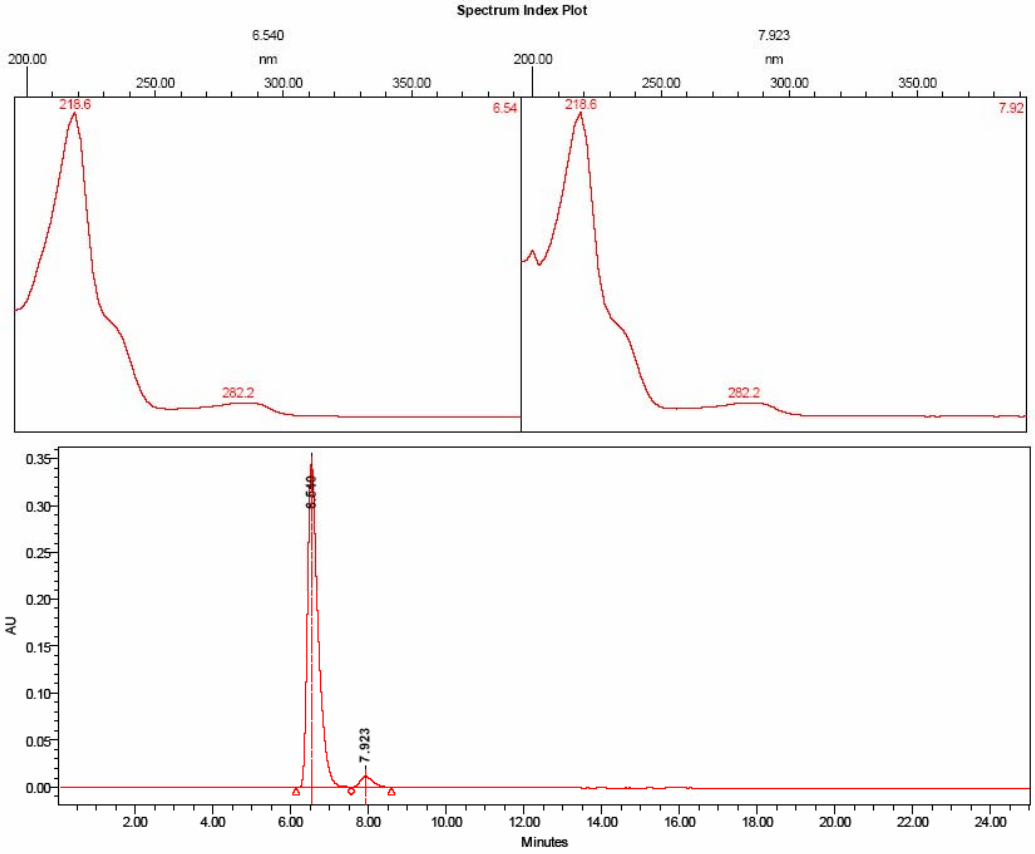

SampleName 519; Date Acquired 12/19/2006 2:58:45 PM CET; Processed Channel Descr. PDA 230.0 nm; Colonne

Peak Results

	RT	Area	% Area
1	6.540	6537240	95.93
2	7.923	277155	4.07

isocratique 0.7 ml/min 60/40
H2O 0.1% ac formiq/ACN 0.1% ac formiq

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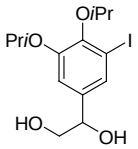
HPLC spectrum of racemic **17**



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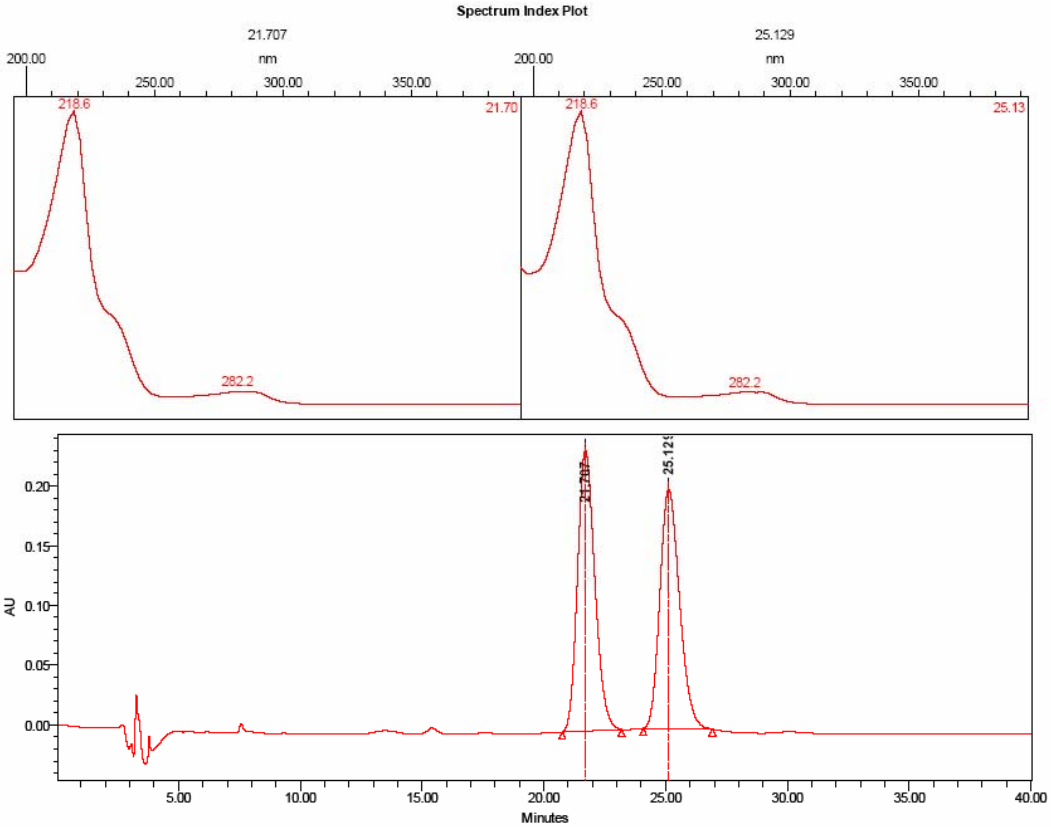

SampleName 146345 alpha _béta ; Date Acquired 10/20/2004 1:34:08 PM CEST; Processed Channel Descr. PDA 220.0 nm; Column OD OD

Peak Results

	RT	Area	% Area
1	21.707	11609599	50.82
2	25.129	11235247	49.18

hexane / iPrOH 94 / 6
débit 1 mL / min

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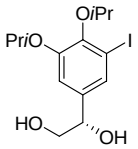
HPLC spectrum of (*S*)-**17**



Empower software

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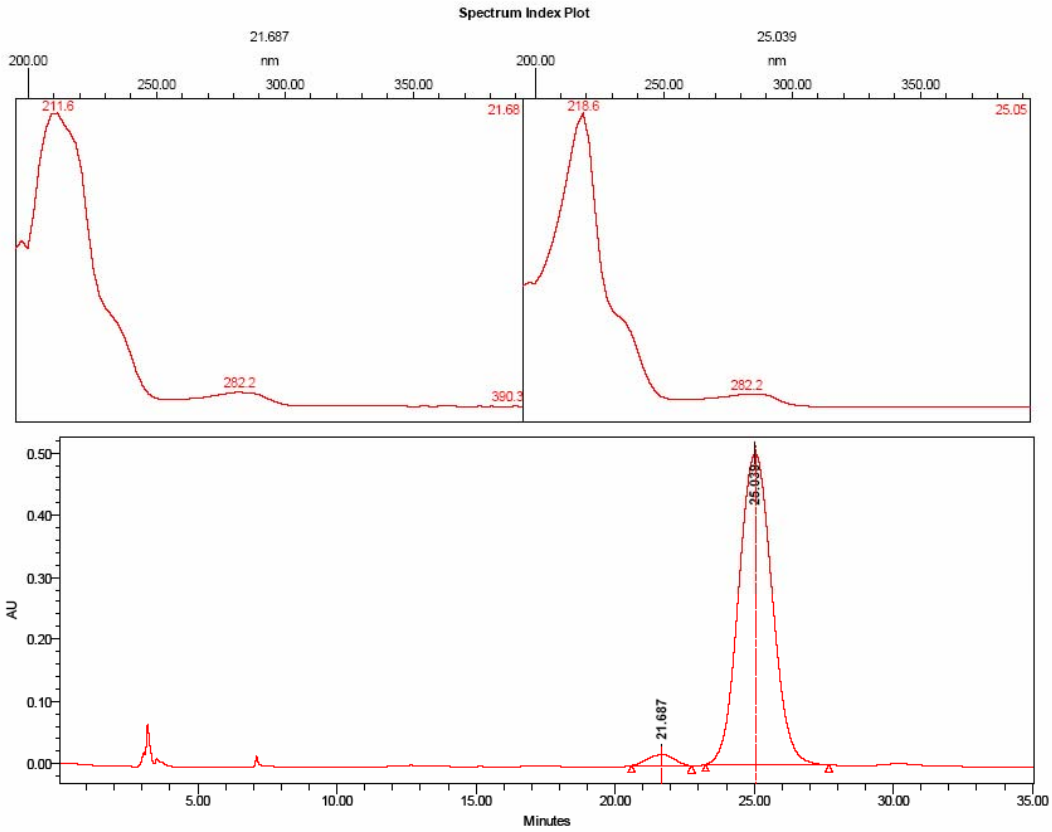

SampleName 146345 alpha ; Date Acquired 10/20/2004 4:12:54 PM CEST; Processed Channel Descr. PDA 220.0 nm; Column OD OD

Peak Results

	RT	Area	% Area
1	21.687	1175674	2.75
2	25.039	41603391	97.25

hexane / iPrOH 94 / 6
débit 1 mL / min

Report Method: SPECTRUM Printed 1:49:15 PM Eu 2/10/2006 Page: 1 of 1