Supplementary Materials: Assignment of the CD Cotton Effect to the Chiral Center in Pseurotins, and the Stereochemical Revision of Pseurotin A_2

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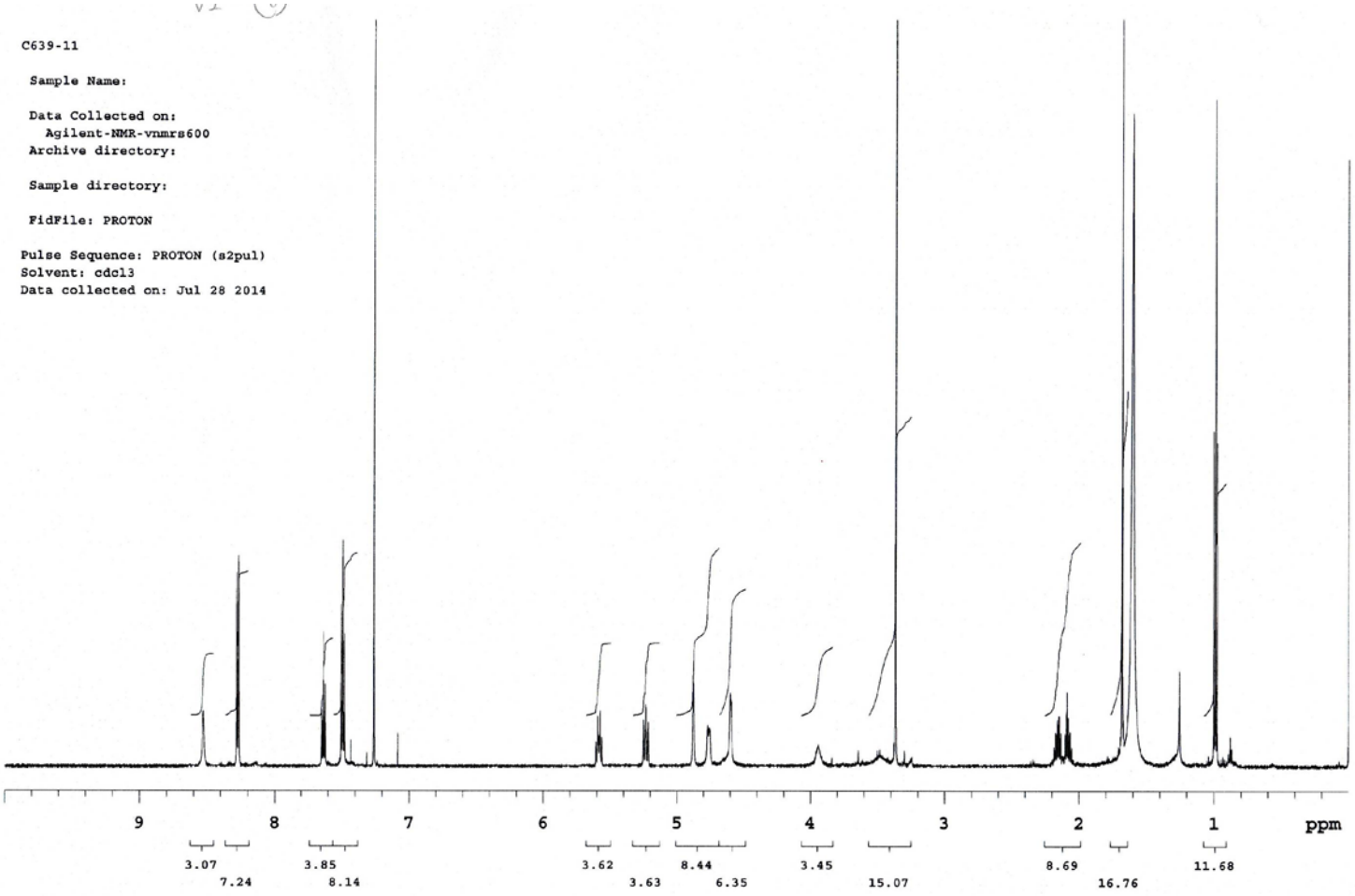

Figure S1. ^{1}H NMR spectrum in $CDCl_3$ of pseurotin A_1 (**1**).

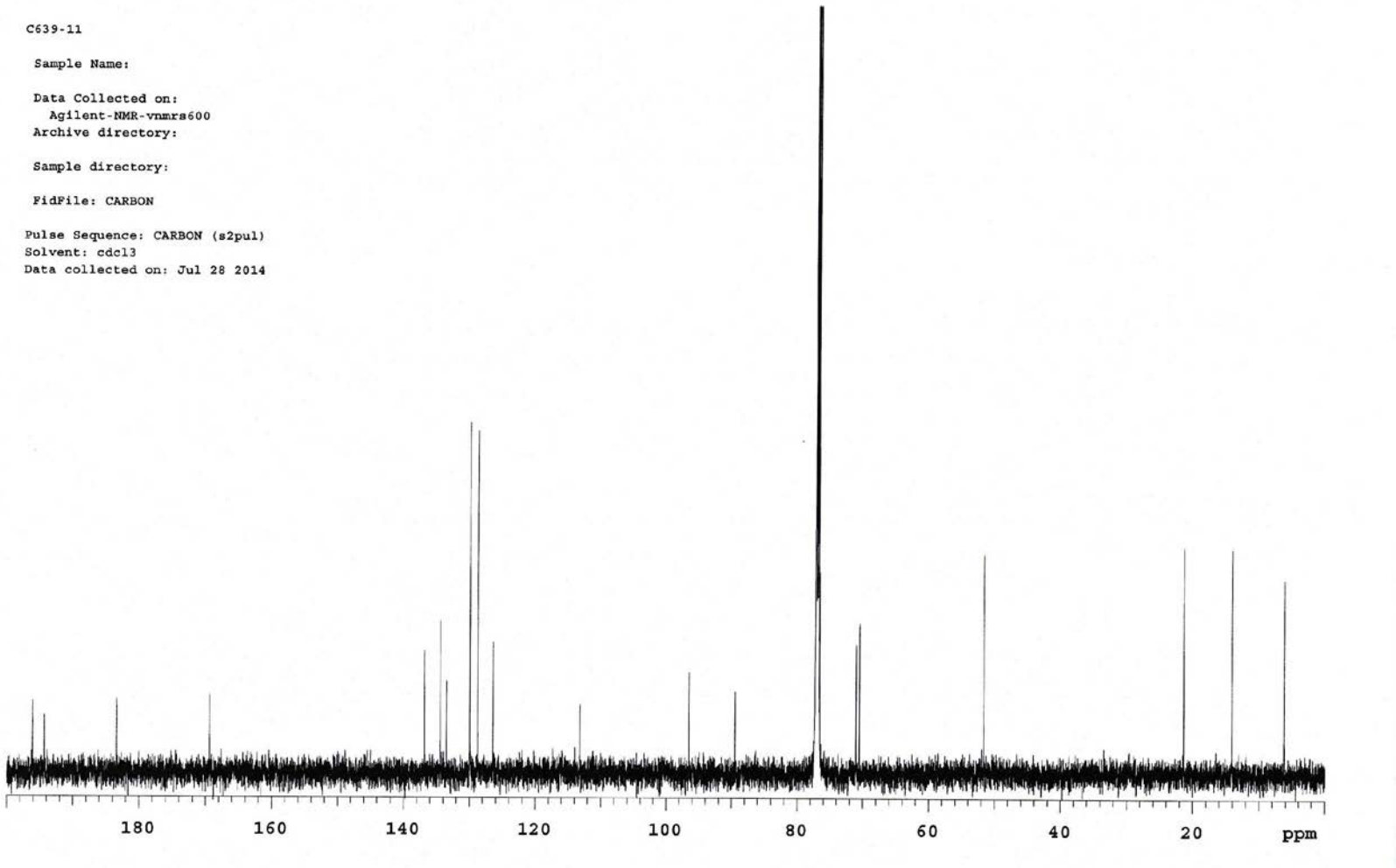

Figure S2. ^{13}C **NMR** spectrum in $CDCl_3$ of pseurotin A_1 (**1**).

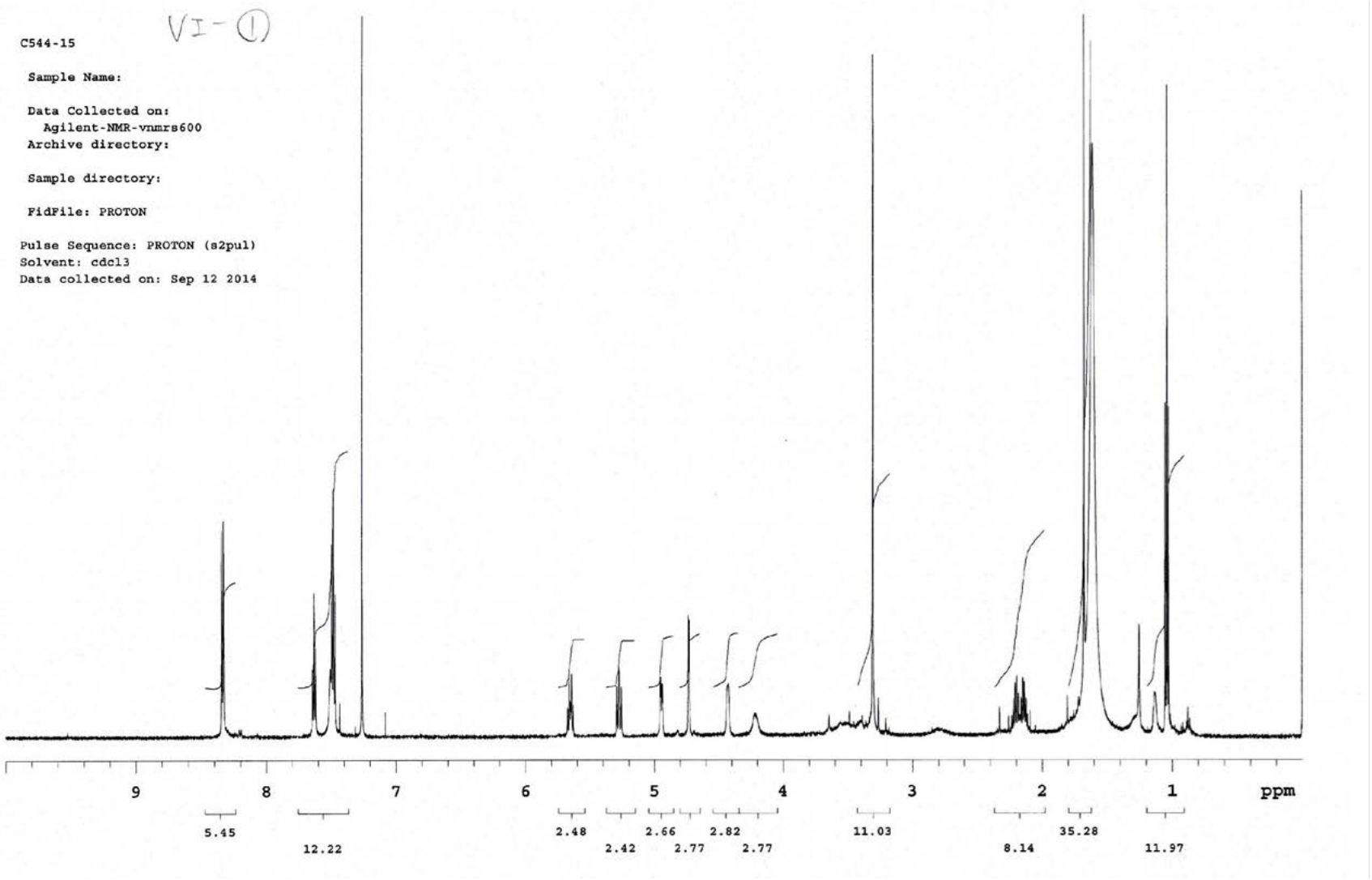

Figure S3. ^{1}H NMR spectrum in $CDCl_3$ of pseurotin A_2 (**4**).

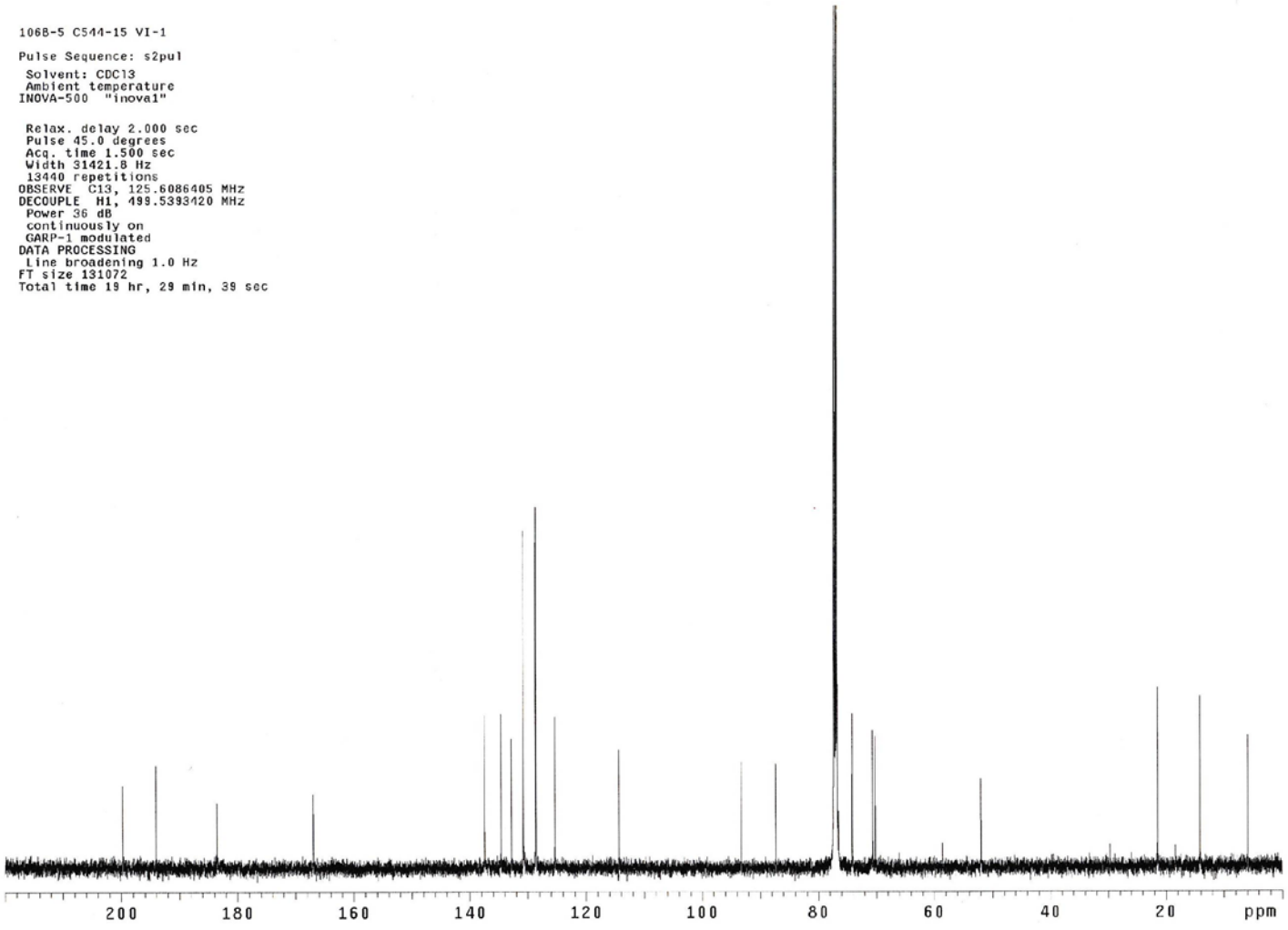

Figure S4. 13C NMR spectrum in $CDCl_3$ of pseurotin A_2 (**4**).

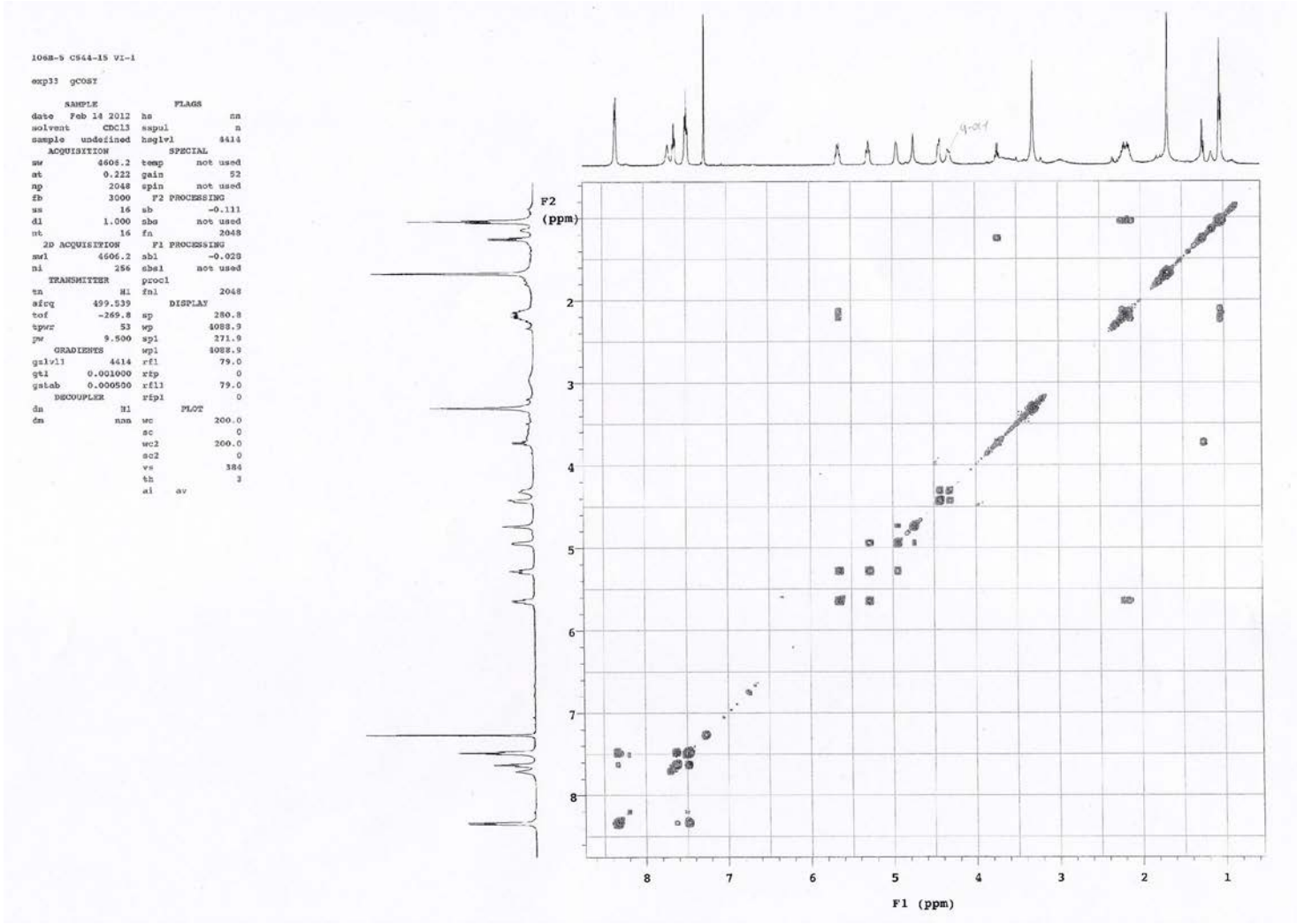

Figure S5. 2D NMR spectra of pseurotin A_2 (**4**) (^1H–^1H COSY).

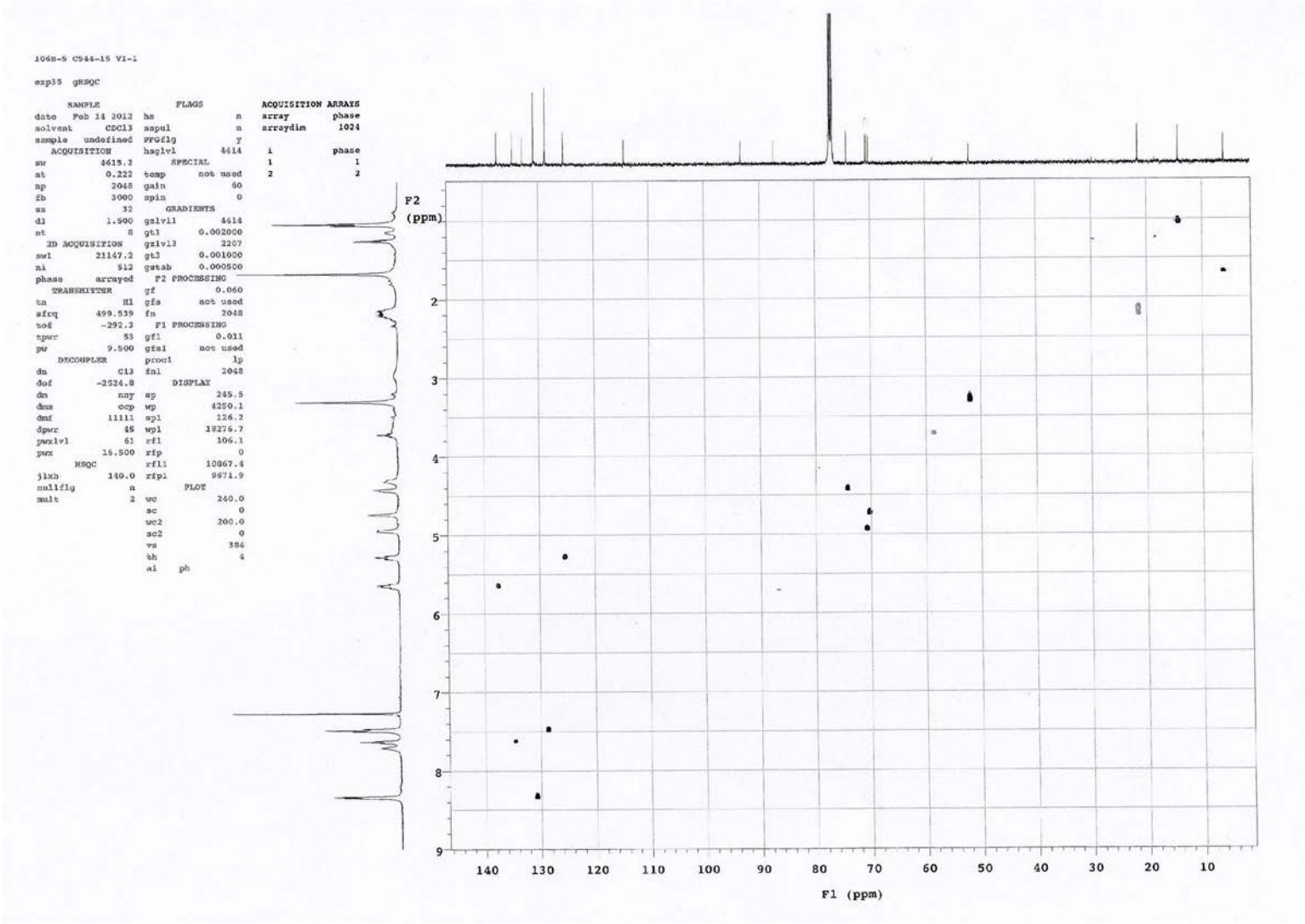

Figure S6. 2D NMR spectra of pseurotin A_2 (**4**) (HMQC).

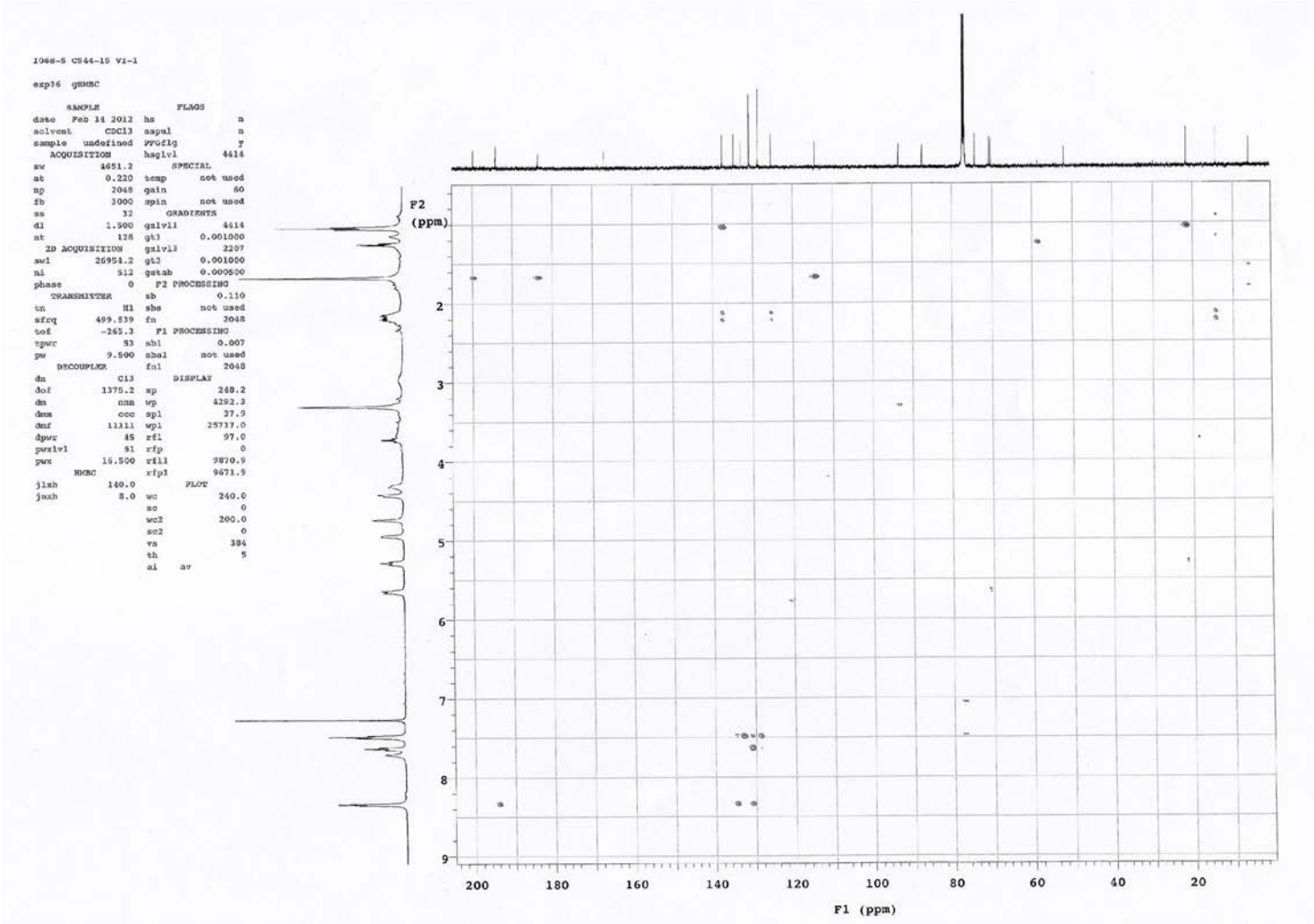

Figure S7. 2D NMR spectra of pseurotin A_2 (**4**) (HMBC).

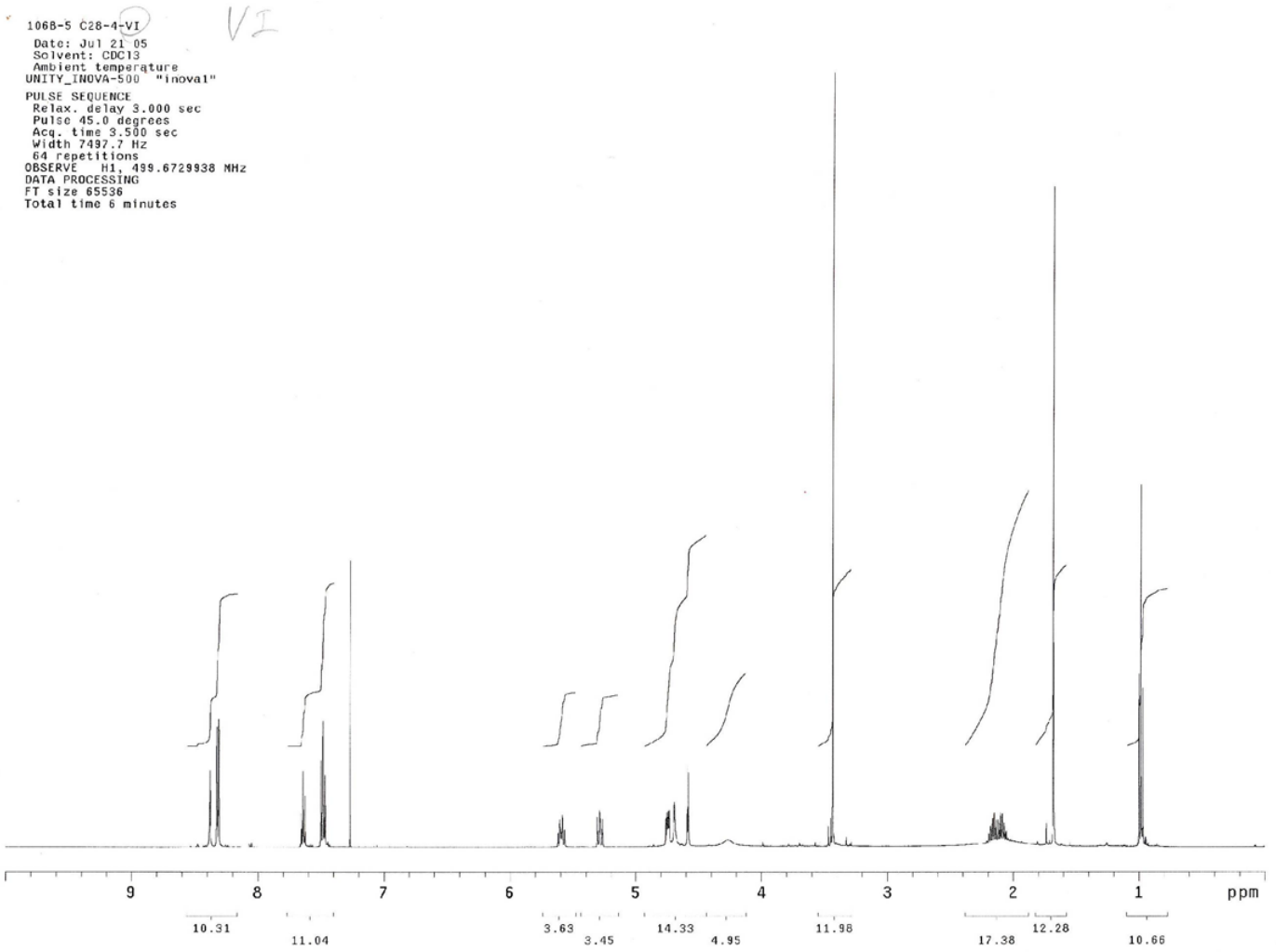

Figure S8. ^{1}H NMR spectrum in $CDCl_3$ of pseurotin A (**3**).

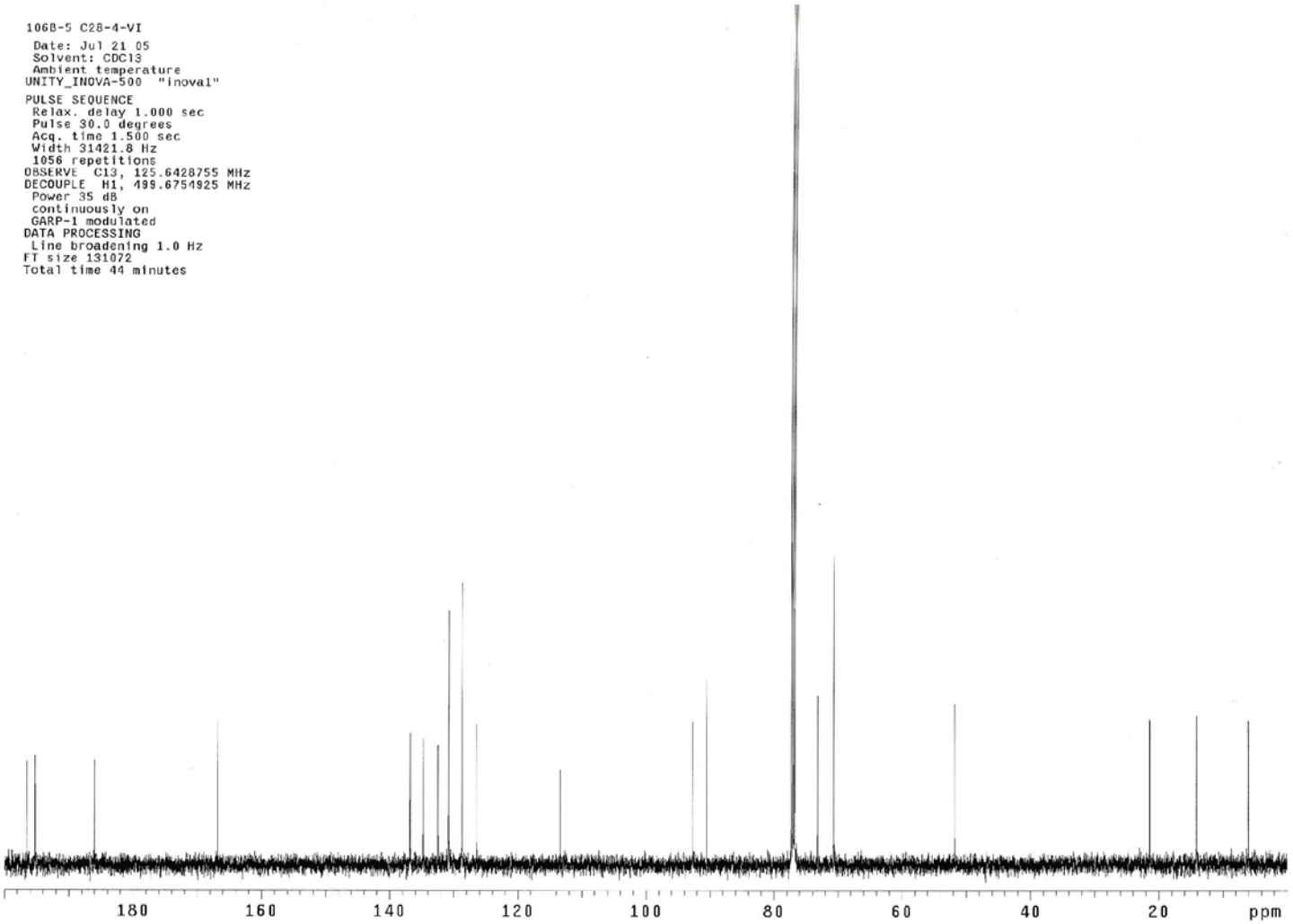

Figure S9. 13C NMR spectrum in $CDCl_3$ of pseurotin A (**3**).

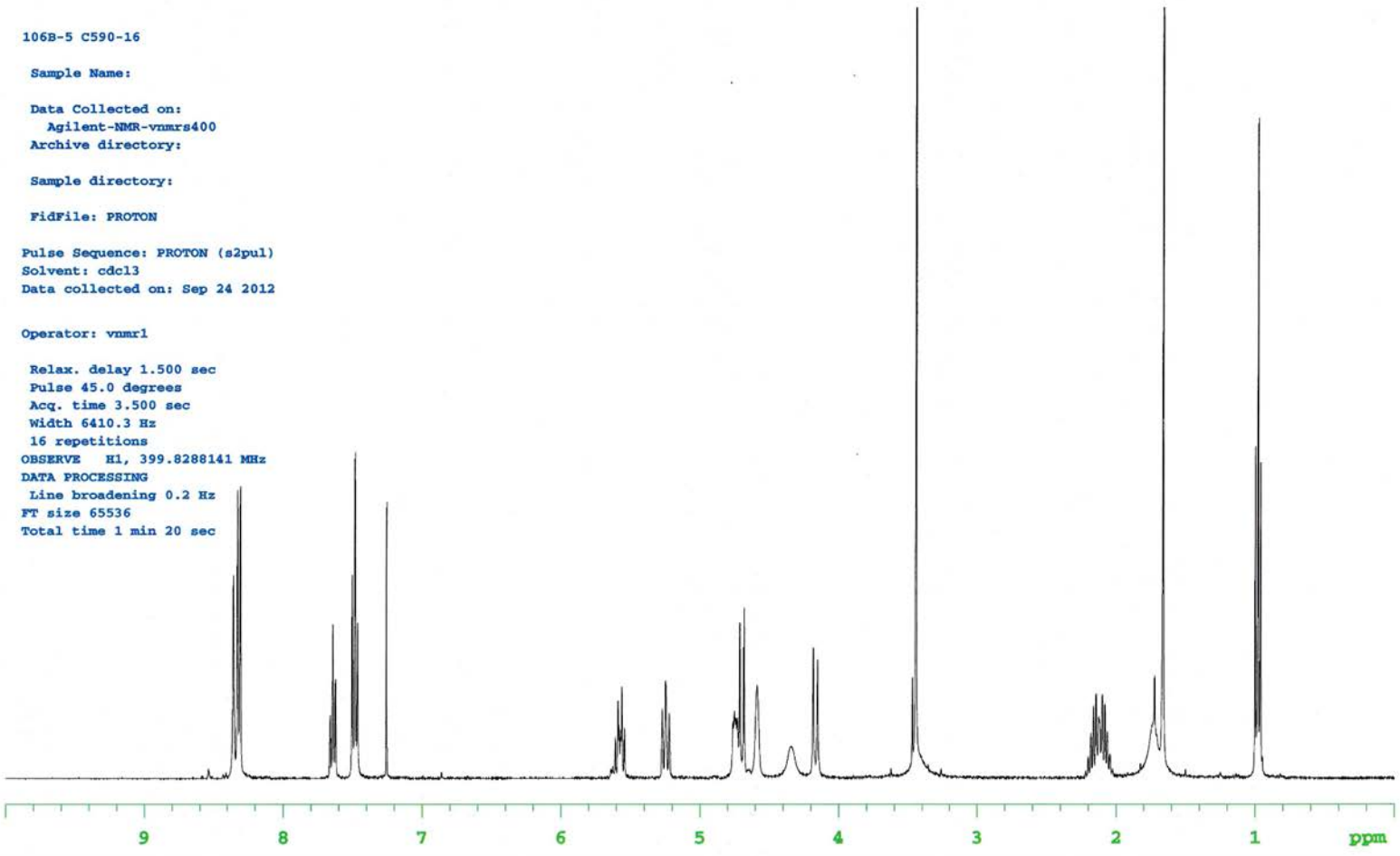

Figure S10. ^{1}H NMR spectrum in $CDCl_3$ of pseurotin A (**3**) (400 MHz).

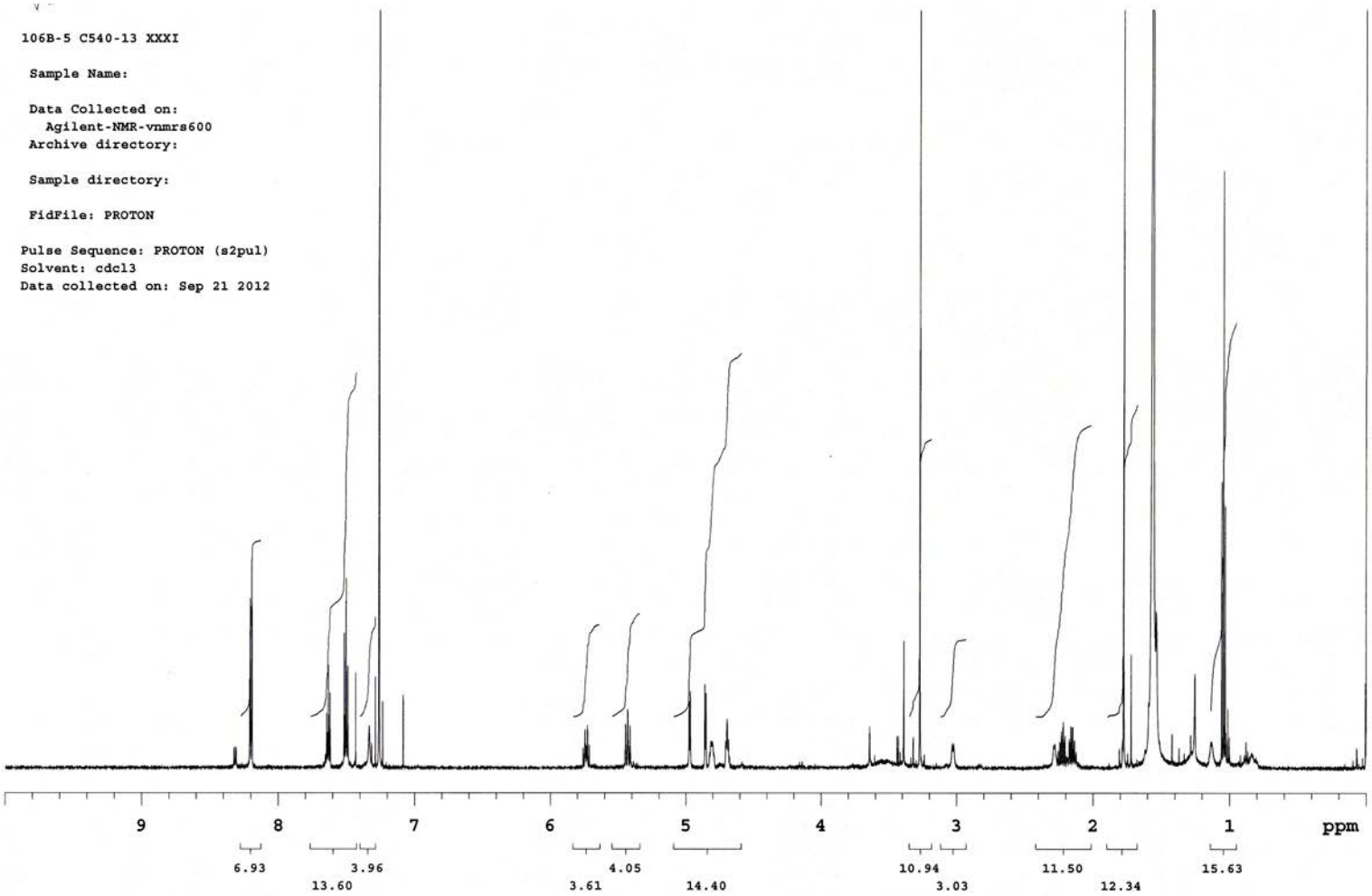

Figure S11. ^{1}H NMR spectrum in $CDCl_3$ of **5** (8-epimer of **3**).

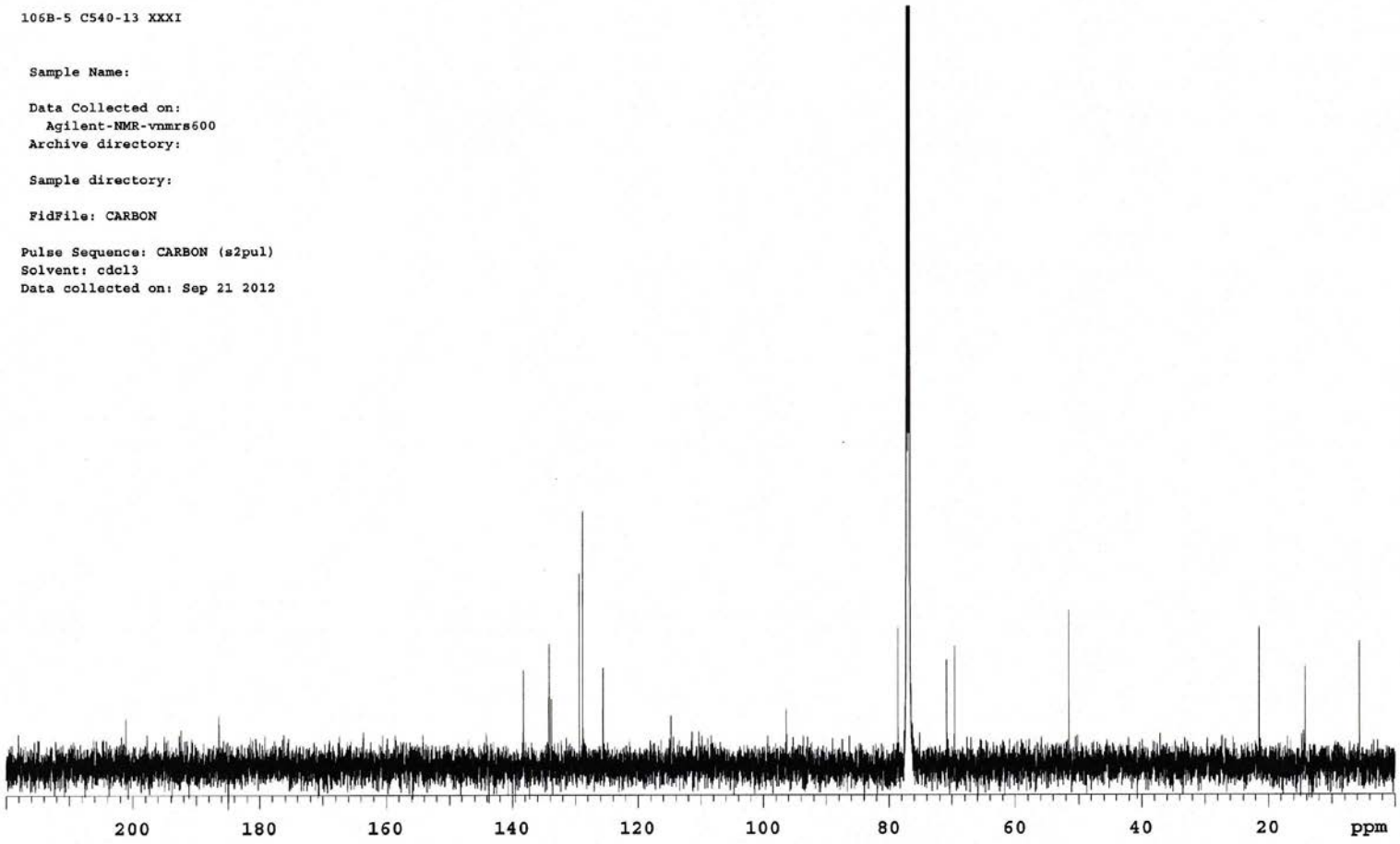

Figure S12. ^{13}C NMR spectrum in $CDCl_3$ of **5** (8-epimer of **3**).

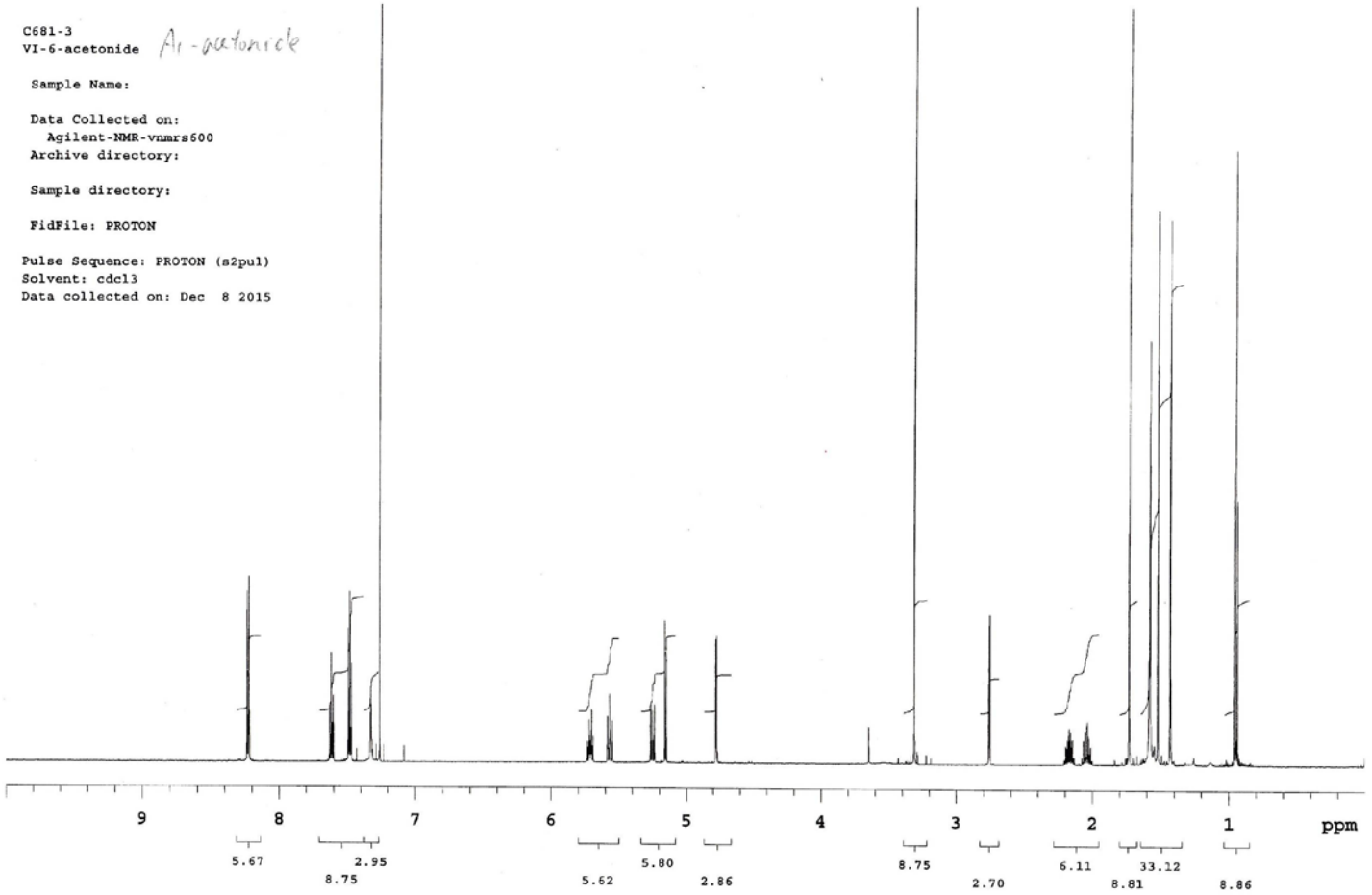

Figure S13. ^{1}H NMR spectrum in $CDCl_3$ of **6** (acetonide of **1**).

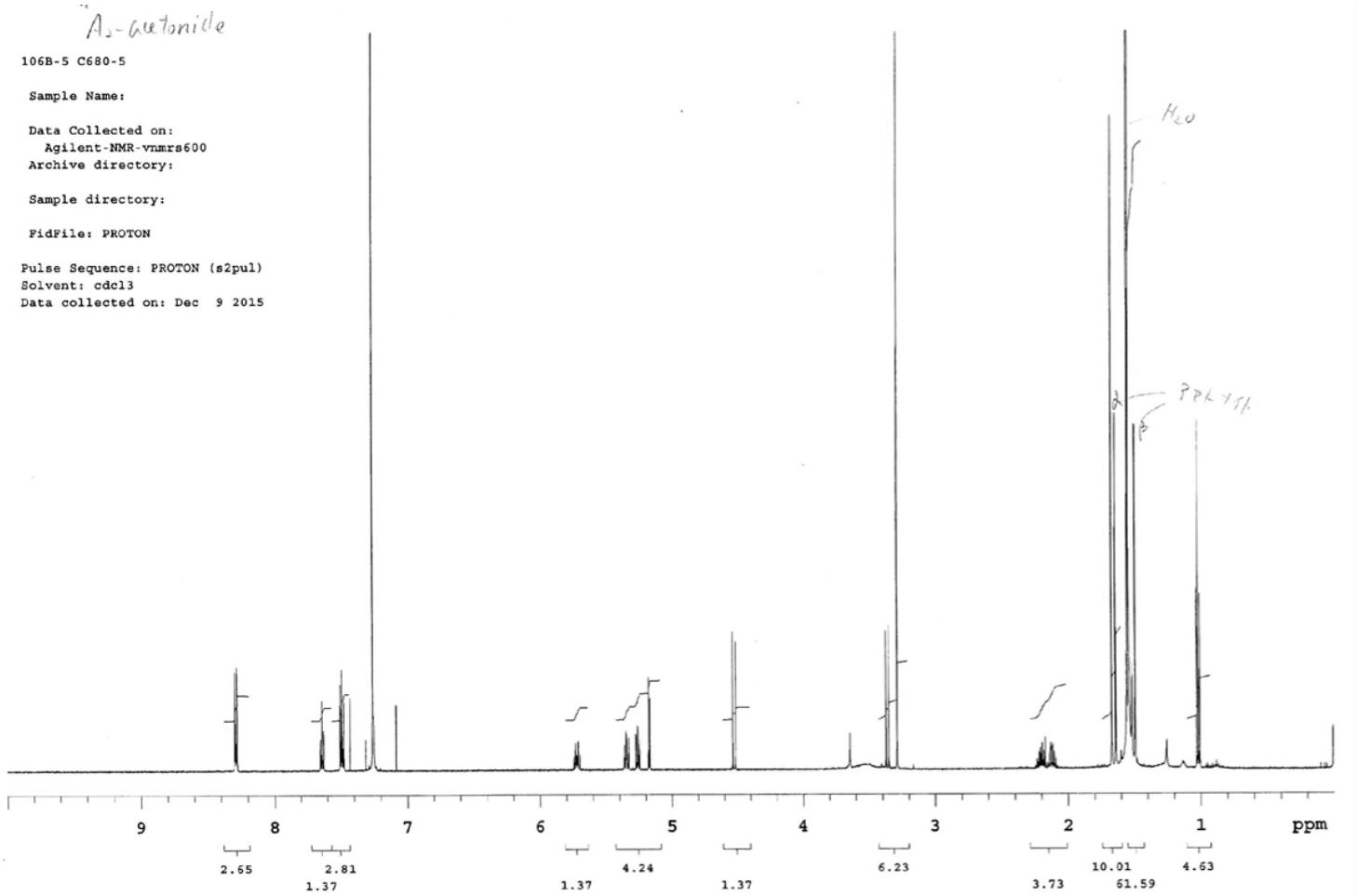

Figure S14. ^{1}H NMR spectrum in $CDCl_3$ of **7** (acetonide of **4**).

C681-3
VI-6-acetonide

exp43 NOESY

SAMPLE		FLAGS	
date	Dec 8 2015	hs	nn
solvent	cdcl3	sspul	y
sample		PFGflg	y
ACQUISITION		hsglvl	6120
sw	5387.9	SPECIAL	
at	0.150	temp	not used
np	1616	gain	52
fb	4000	spin	0
ss	32	F2 PROCESSING	
d1	1.300	gf	0.060
nt	16	gfs	not used
2D ACQUISITION		fn	2048
sw1	5387.9	F1 PROCESSING	
ni	256	gf1	0.030
TRANSMITTER		gfs1	not used
tn	H1	proc1	lp
sfrq	599.898	fn1	2048
tof	-426.0	DISPLAY	
tpwr	58	sp	354.5
pw	9.600	wp	4882.8
NOESY		sp1	349.2
mixN	0.800	wp1	4882.8
PRESATURATION		rf1	119.1
satmode	n	rfp	0
wet	n	rfl1	119.1
DECOUPLER		rfp1	0
dn	C13	PLOT	
dm	nnn	wc	200.0
		sc	0
		wc2	200.0
		sc2	0
		vs	508
		th	2
		ai cdc ph	

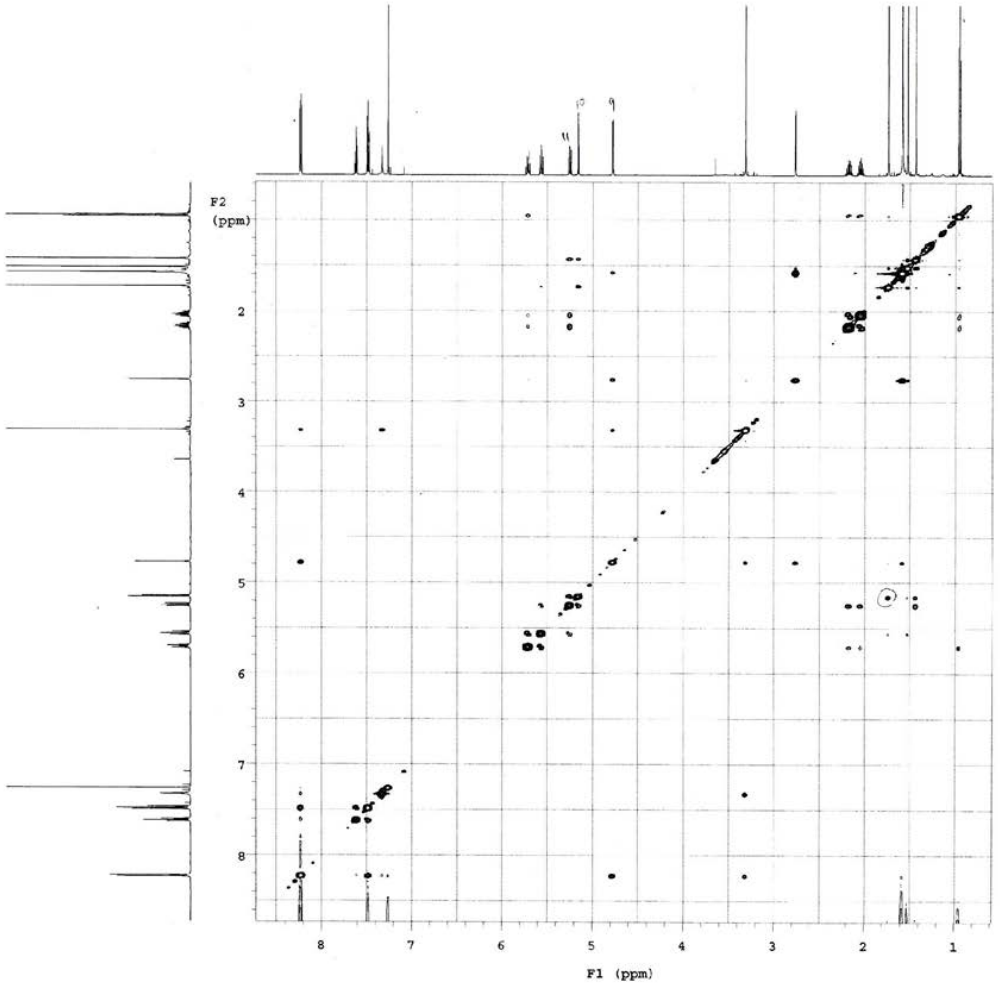

Figure S15. NOESY of **6** (acetonide of **1**).

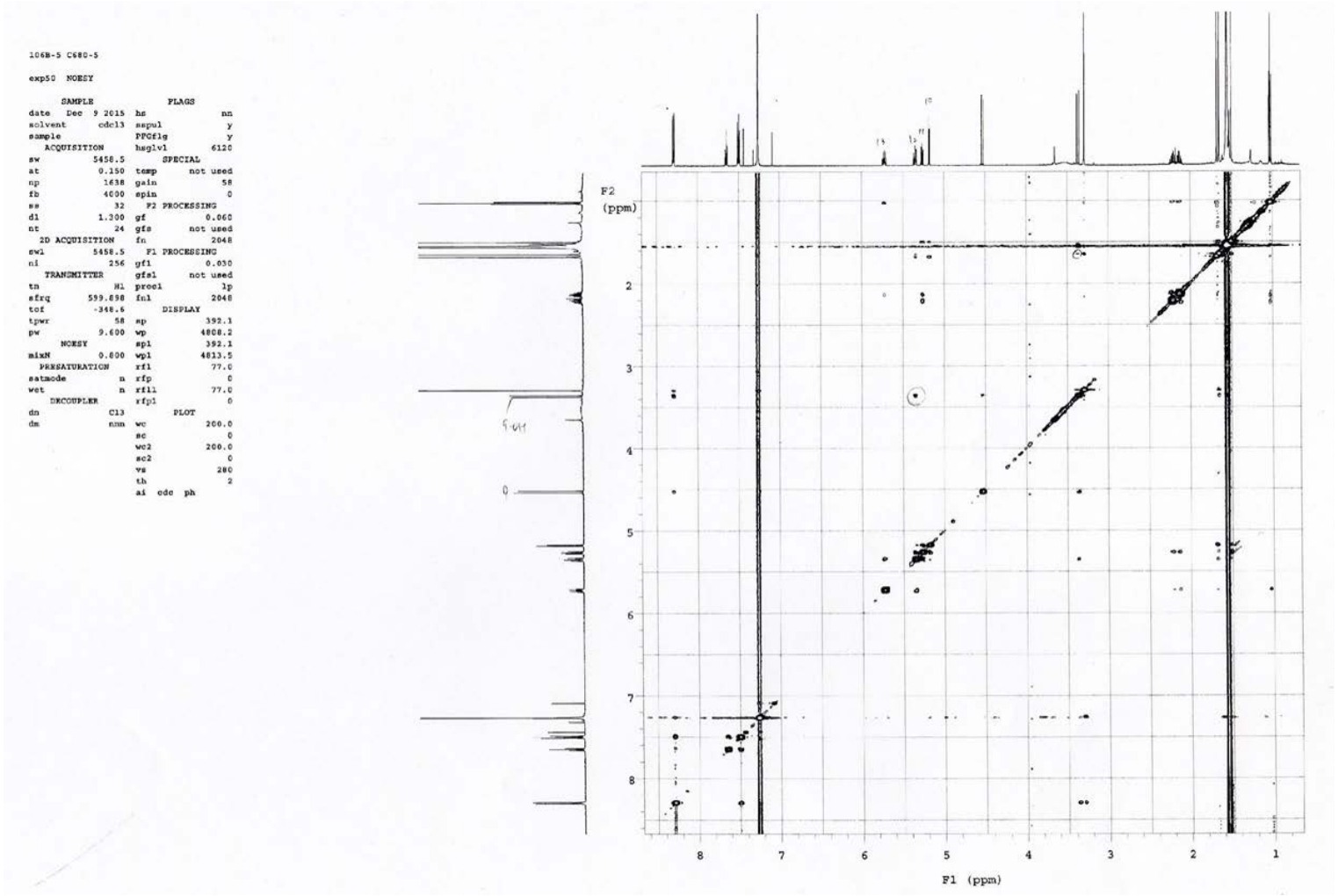

Figure S16. NOESY of **7** (acetonide of **4**).