

Supporting Information

New Diterpenes from the Marine Sponge *Spongionella* sp. Overcome Drug Resistance in Prostate Cancer by Inhibition of P-Glycoprotein

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Table S1. List of antibodies used.

Antibodies	Clonality	Source	Cat.-No.	Dilution	Manufacturer
anti-AR	pAb	rabbit	sc-816	1:200	Santa Cruz
anti-AR-V7	mAb	rabbit	198394	1:1000	abcam
anti-cleaved caspase-3	mAb	rabbit	#9664	1:1000	Cell Signaling
anti-PARP	pAb	rabbit	#9542	1:1000	Cell Signaling
anti-PSA/KLK3	mAb	rabbit	#5365	1:1000	Cell Signaling
anti-survivin	pAb	rabbit	NB500-201	1:1000	Novus
anti-LC3B-I/II	pAb	rabbit	#2775	1:1000	Cell Signaling
anti-MDR1 (p-gp)	mAb	rabbit	#13342	1:1000	Cell Signaling
anti-rabbit IgG-HRP		goat	#7074	1:5000	Cell Signaling
anti-mouse IgG-HRP		sheep	NXA931	1:10000	GE Healthcare
anti- α -Tubulin	mAb	mouse	T5168	1:5000	Sigma-Aldrich
anti- β -Actin-HRP	pAb	goat	sc-1616	1:10000	Santa Cruz

Figure S1. ^1H NMR spectrum of spongionellol A (**1**) in CDCl_3 .

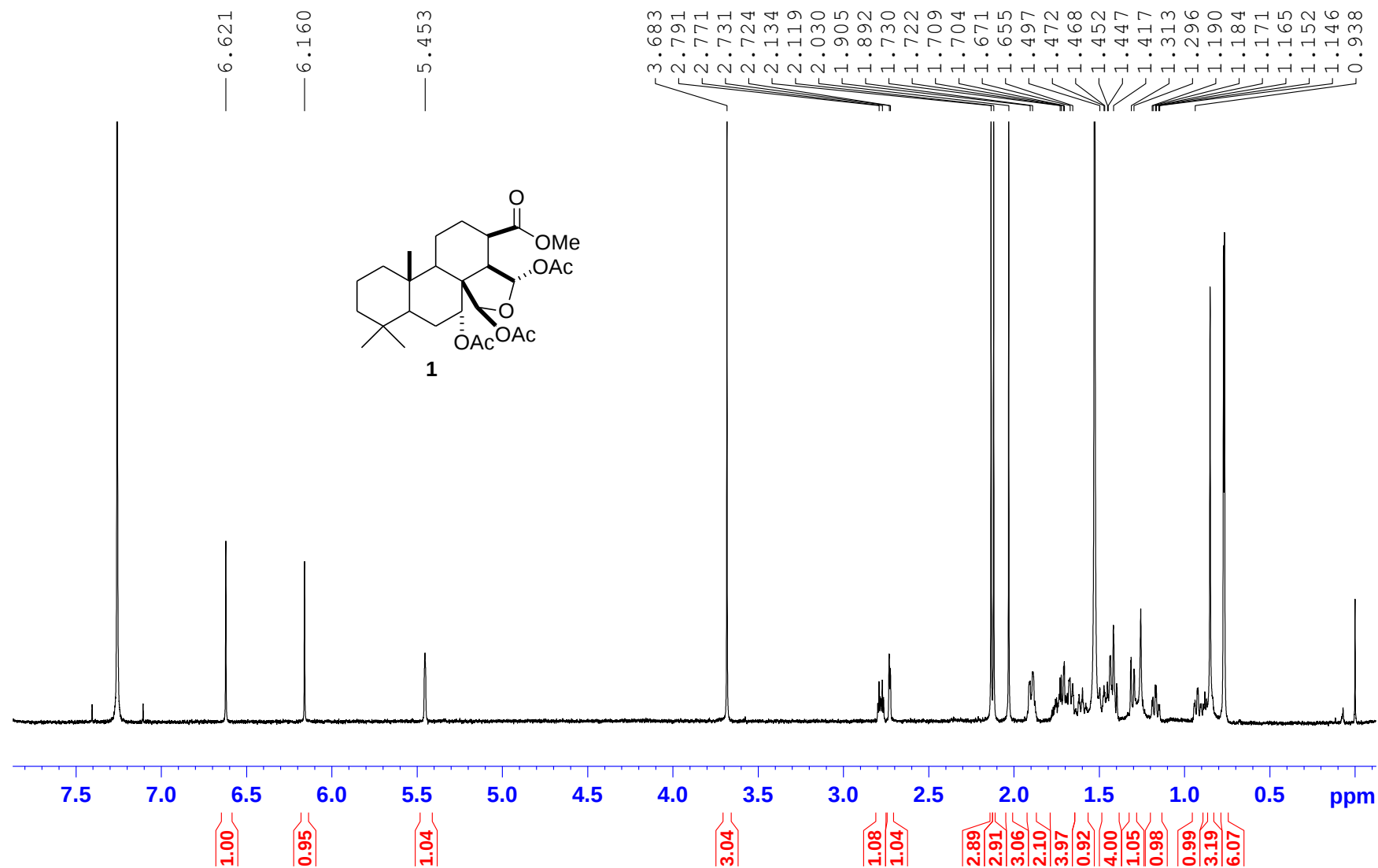


Figure S2. ^{13}C NMR spectrum of spongionellol A (**1**) in CDCl_3 .

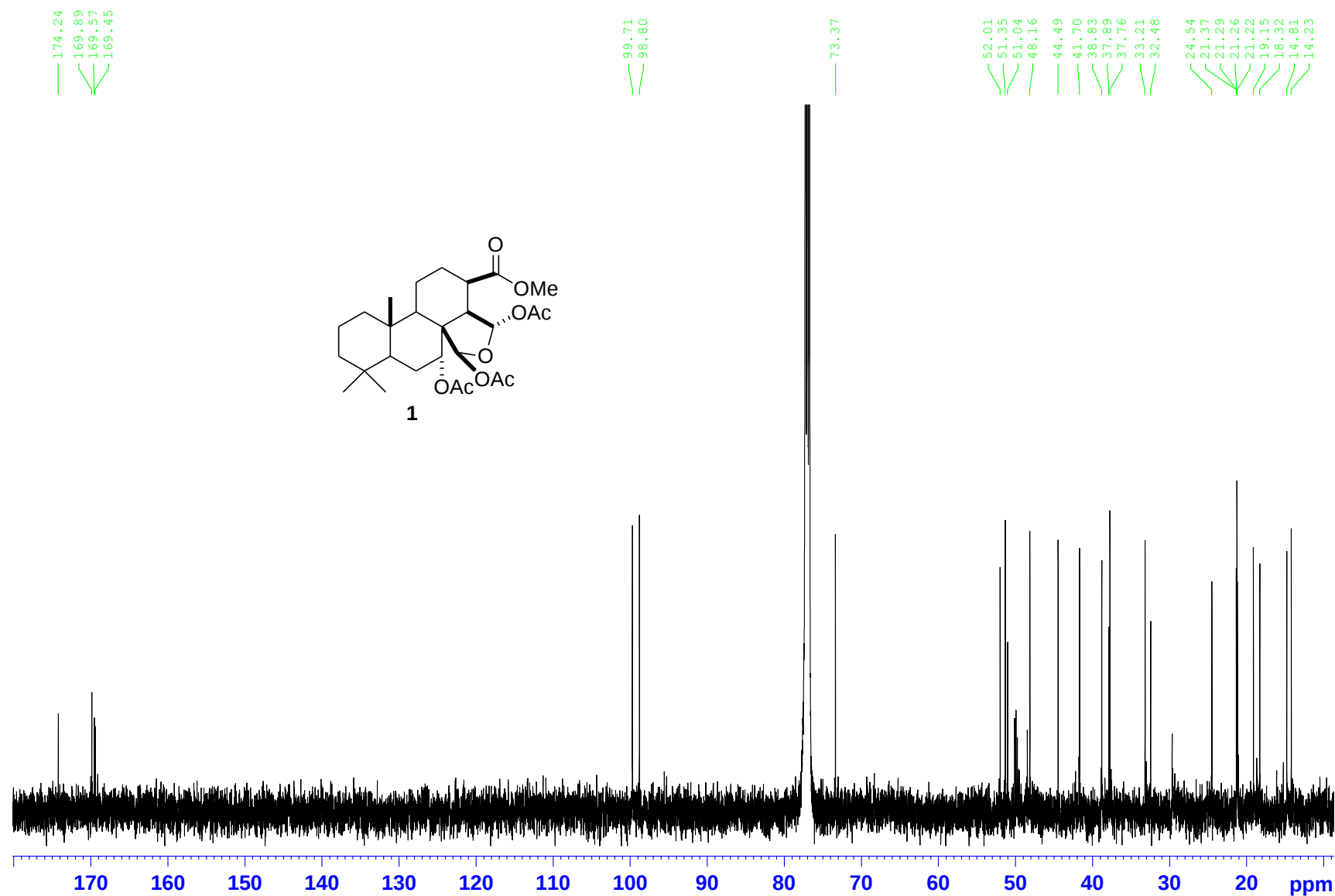


Figure S3. ^1H - ^1H -COSY spectrum of spongionellol A (**1**) in CDCl_3 .

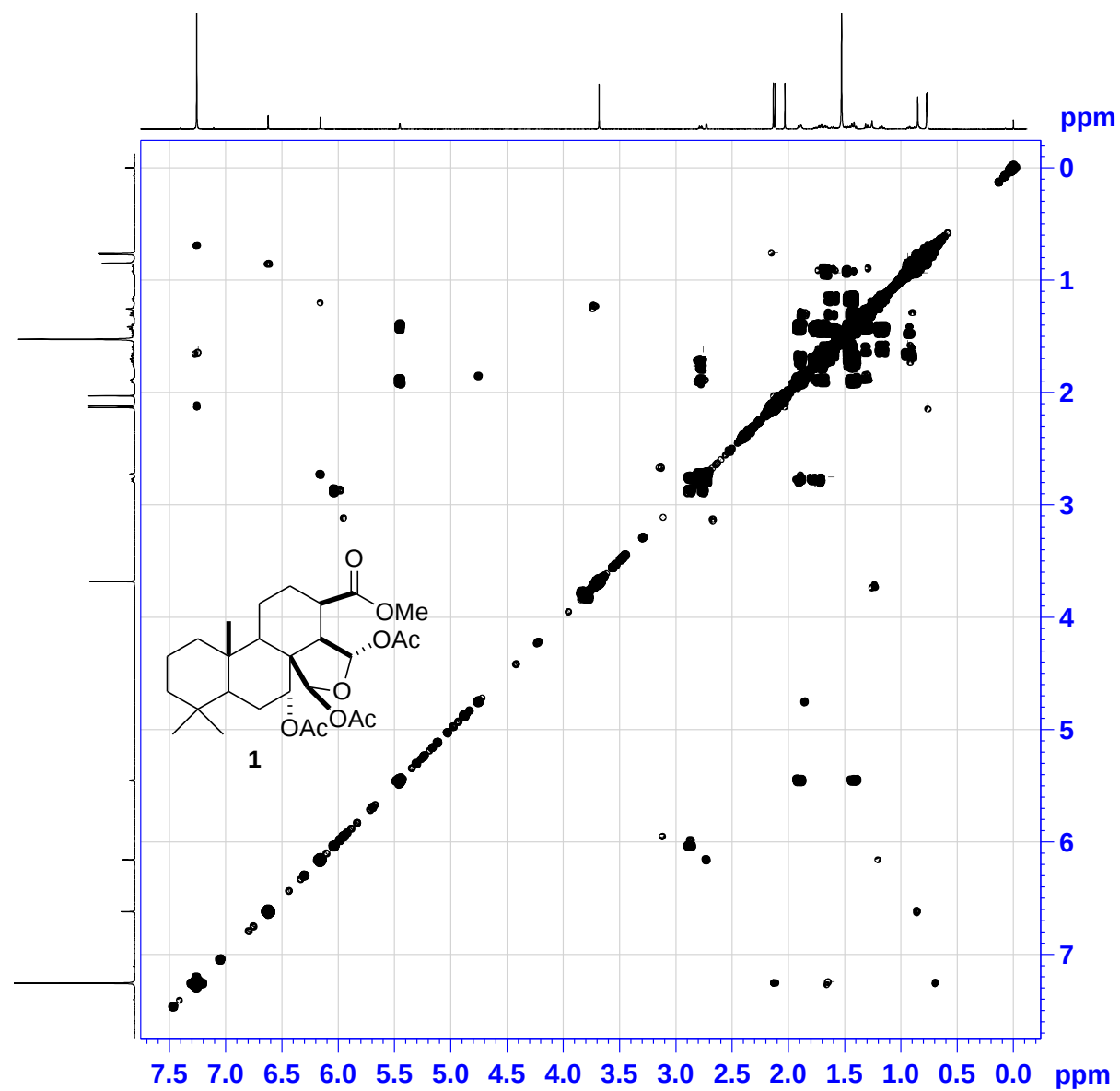


Figure S4. HSQC spectrum of spongionellol A (**1**) in CDCl₃.

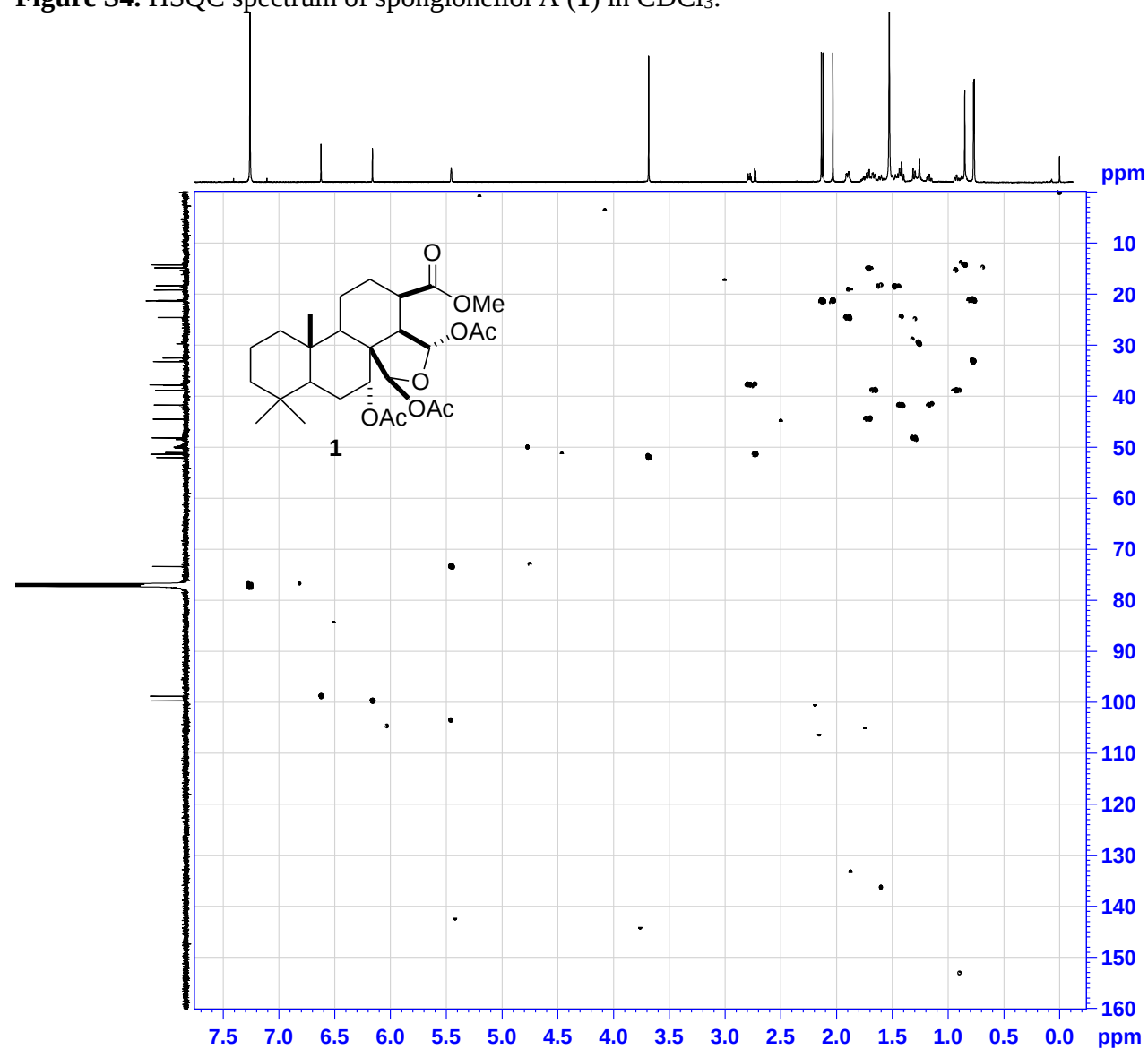


Figure S5. HMBC spectrum of spongionellol A (**1**) in CDCl₃.

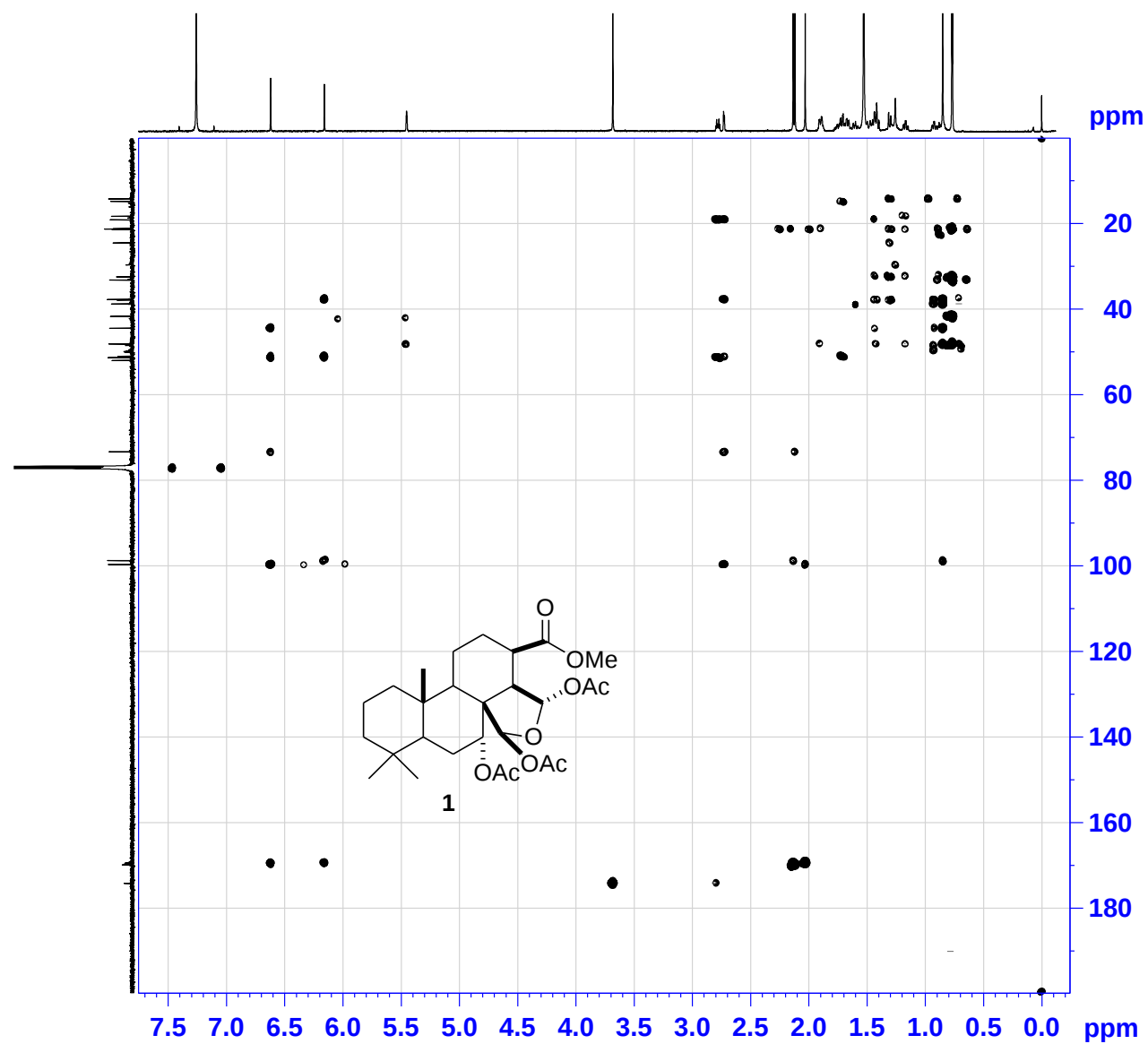


Figure S6. NOESY spectrum of spongionellol A (**1**) in CDCl₃.

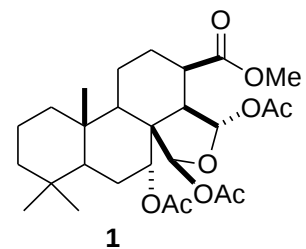
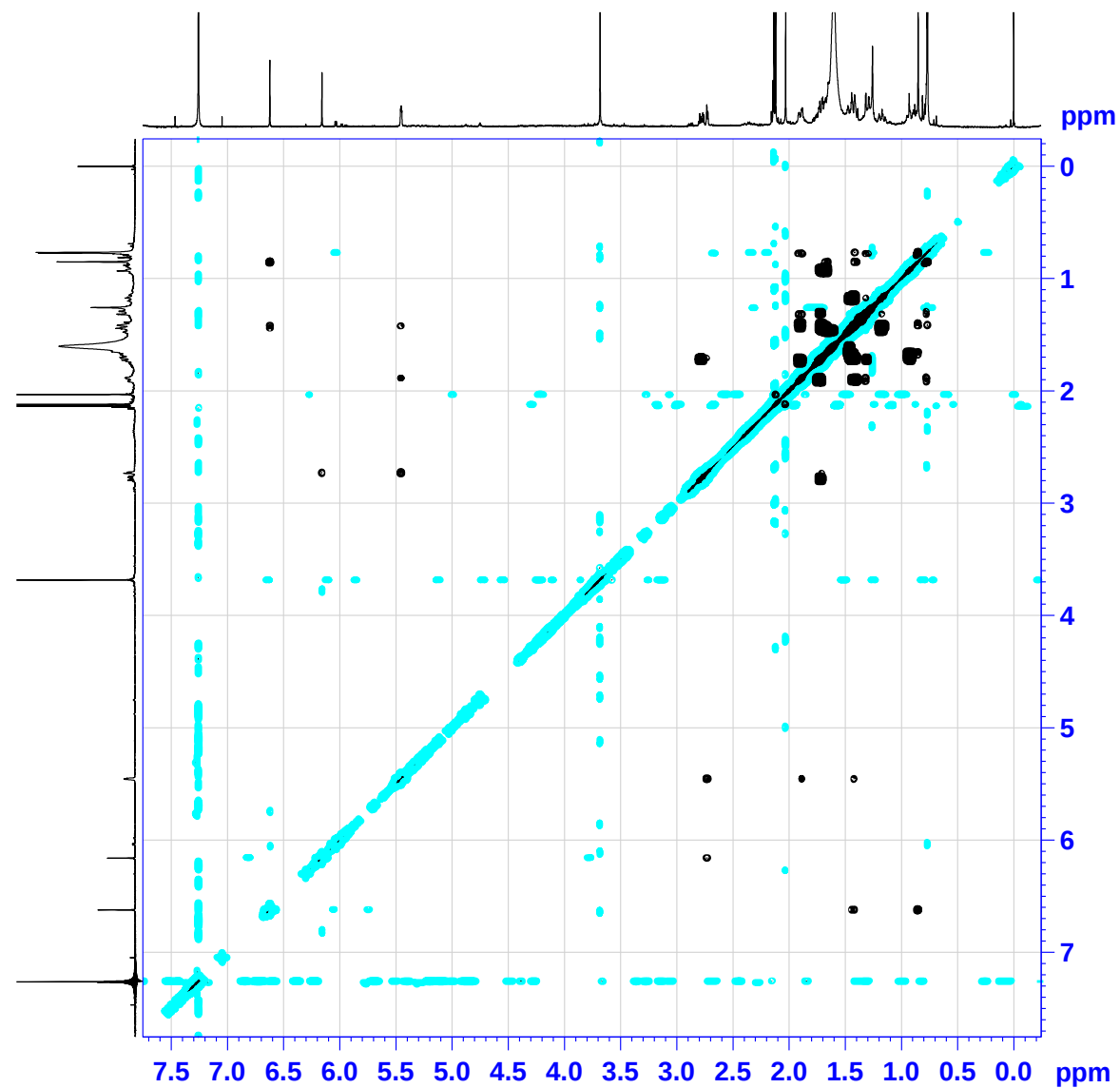


Figure S7. The HRESIMS and MS/MS spectra of compound **1**.

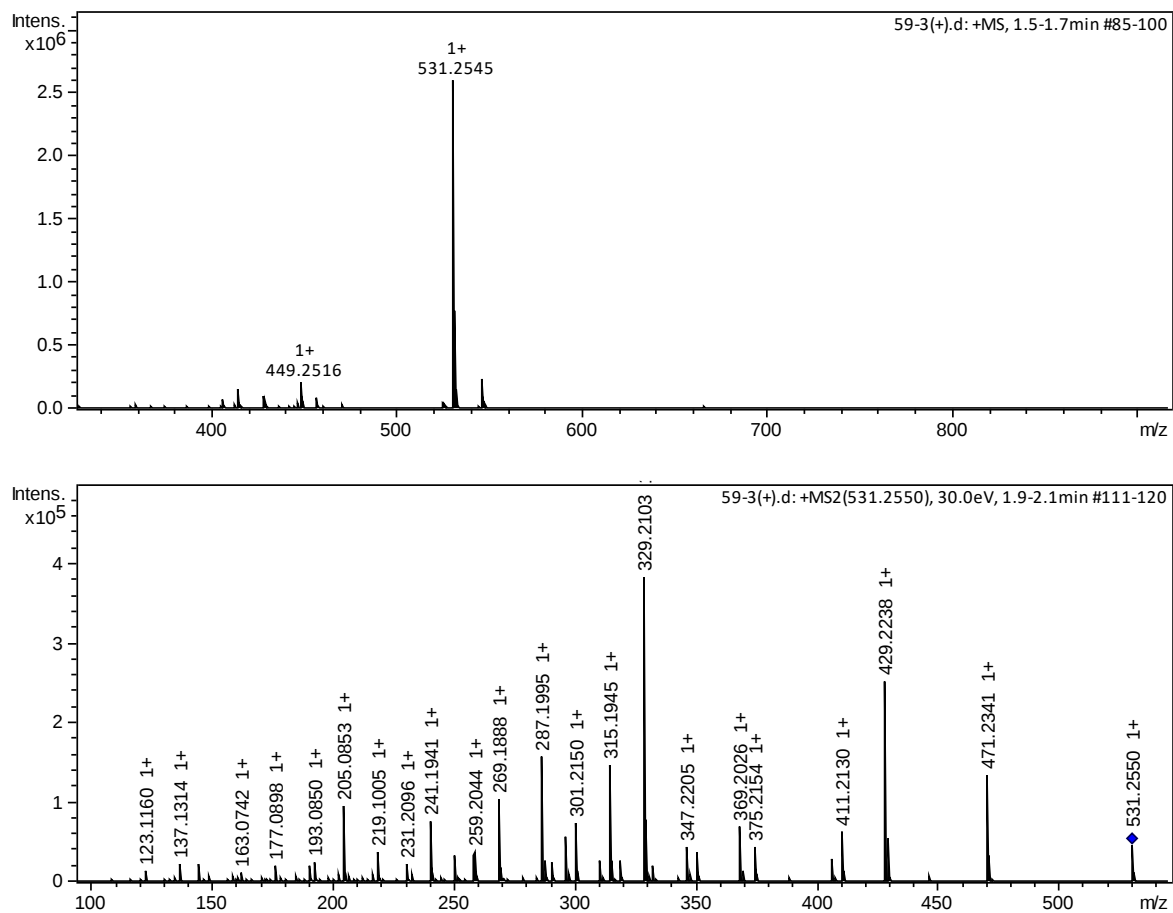


Figure S8. ^1H NMR spectrum of compound **2** in CDCl_3 .

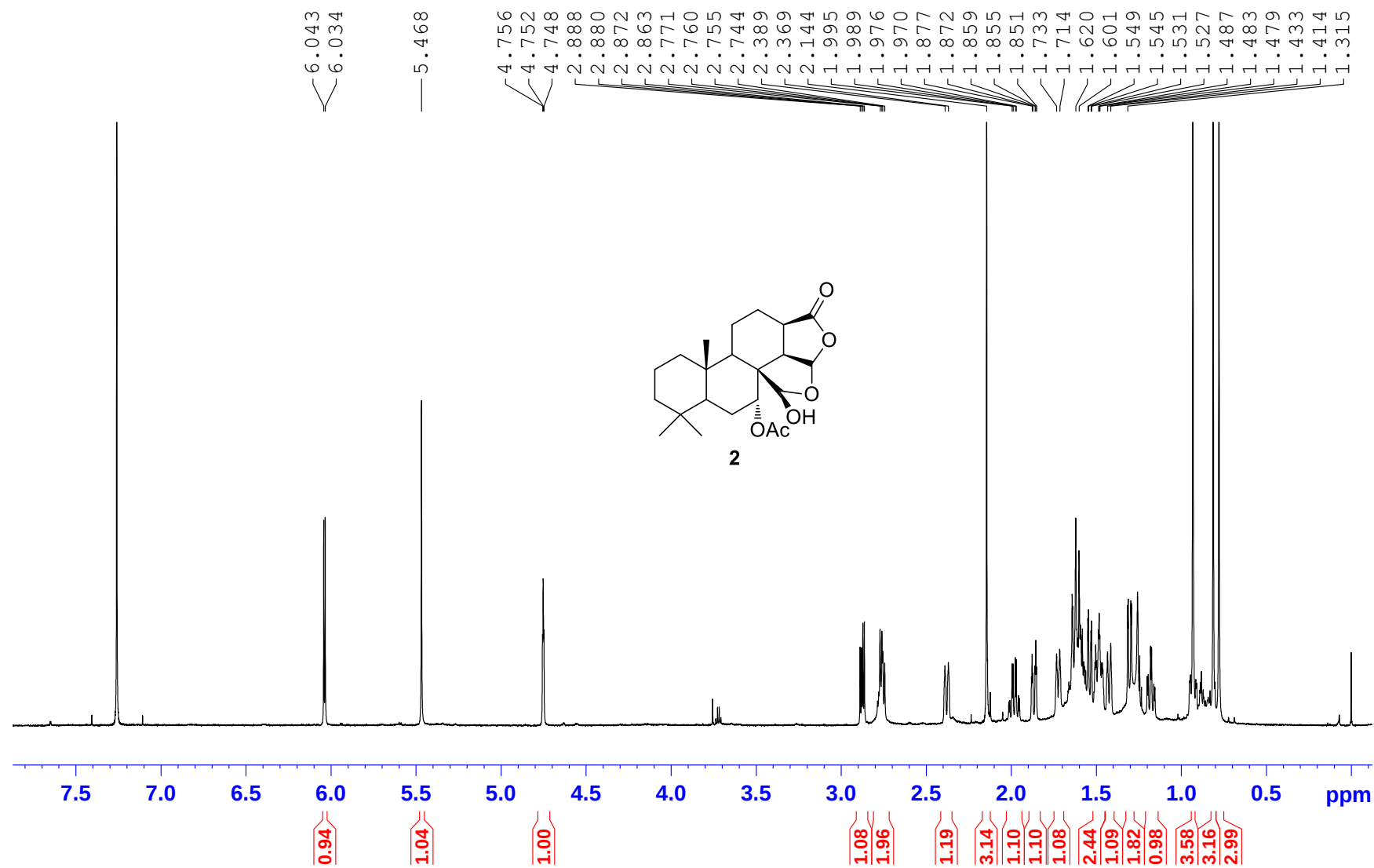


Figure S9. ^{13}C NMR spectrum of compound **2** in CDCl_3 .

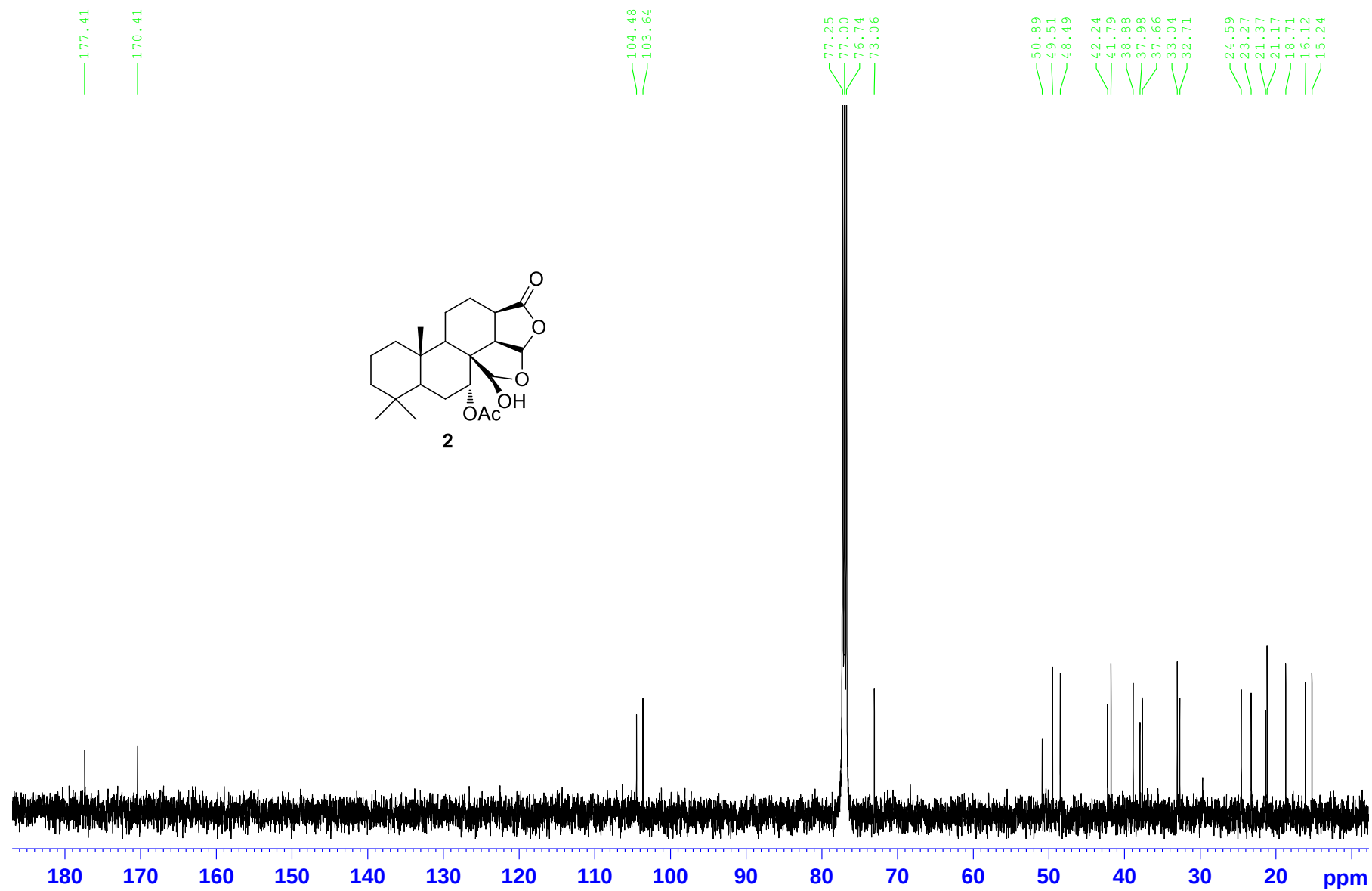


Figure S10. ^1H NMR spectrum of compound **3** in CDCl_3 .

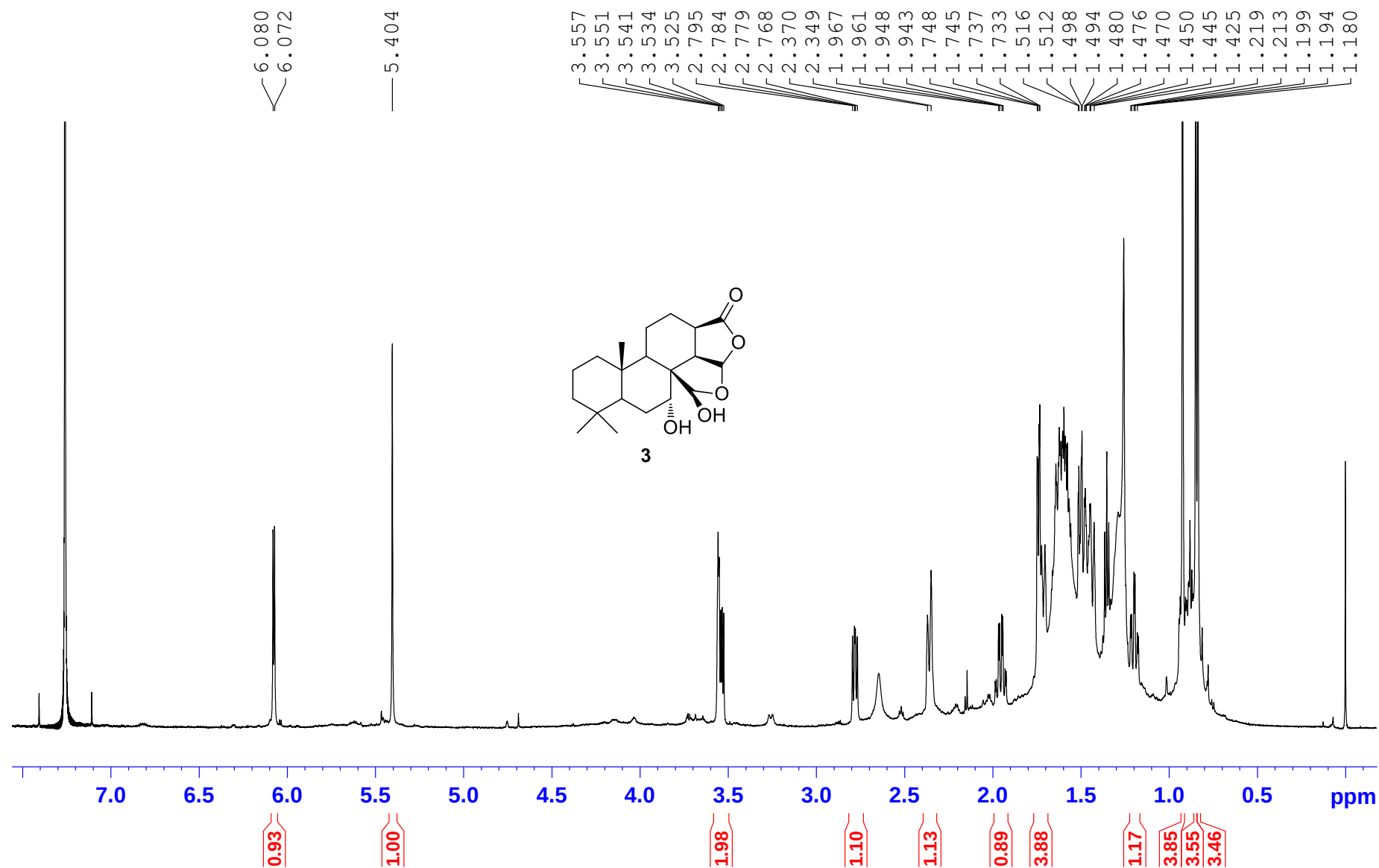


Figure S11. ^{13}C NMR spectrum of compound **3** in CDCl_3 .

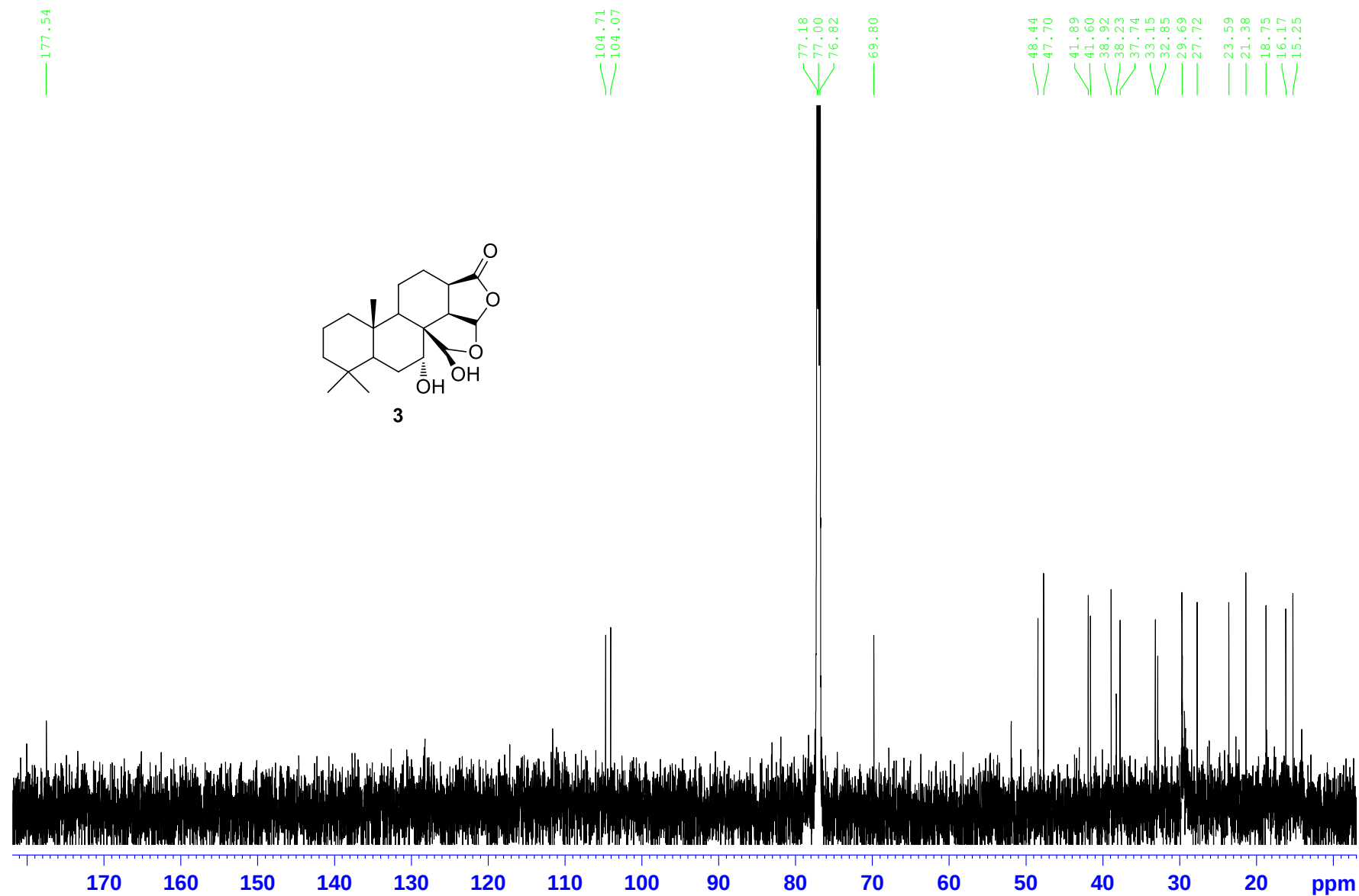


Figure S12. ^1H NMR spectrum of compound **4** in CDCl_3 .

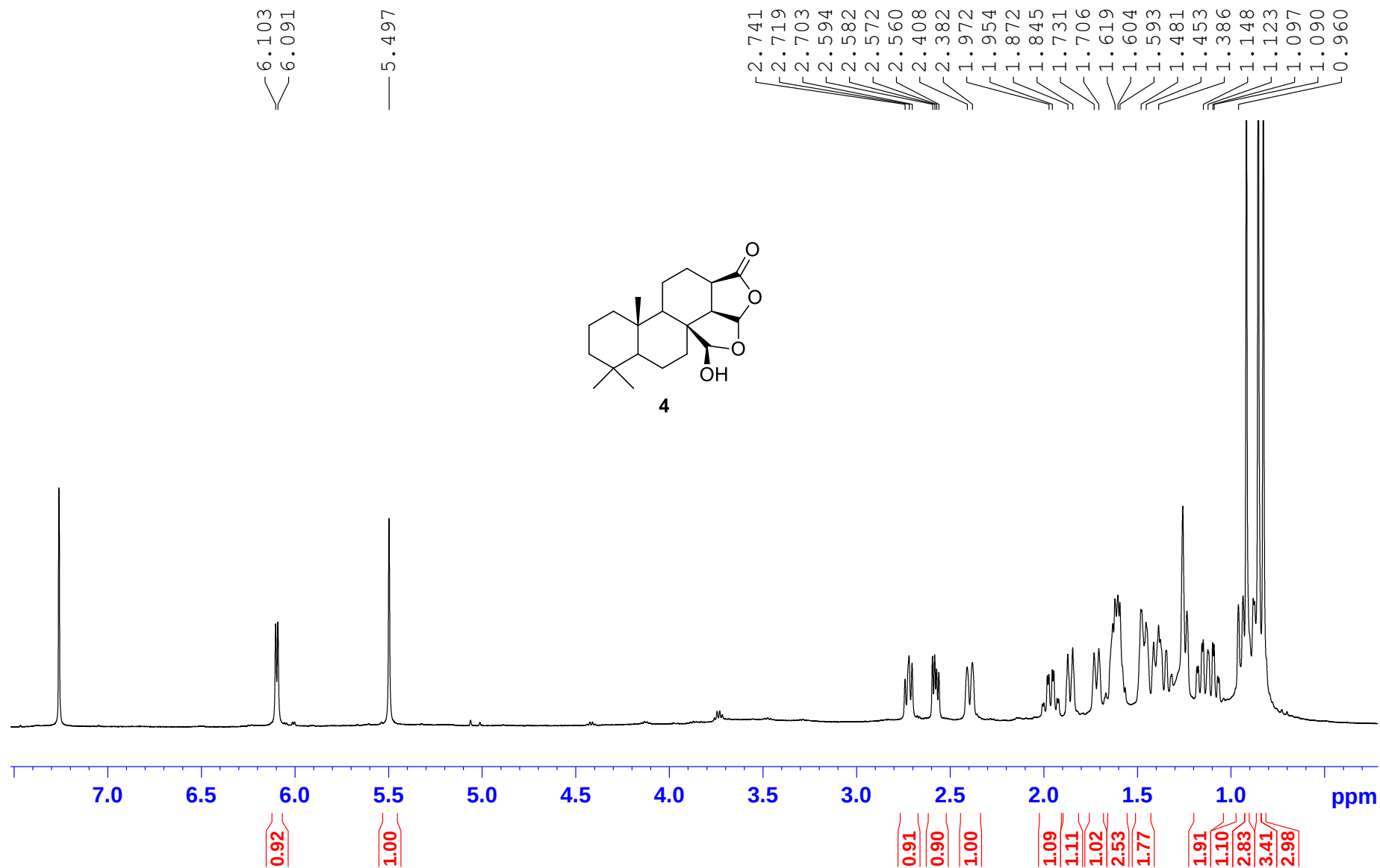


Figure S13. ^{13}C NMR spectrum of compound **4** in CDCl_3 .

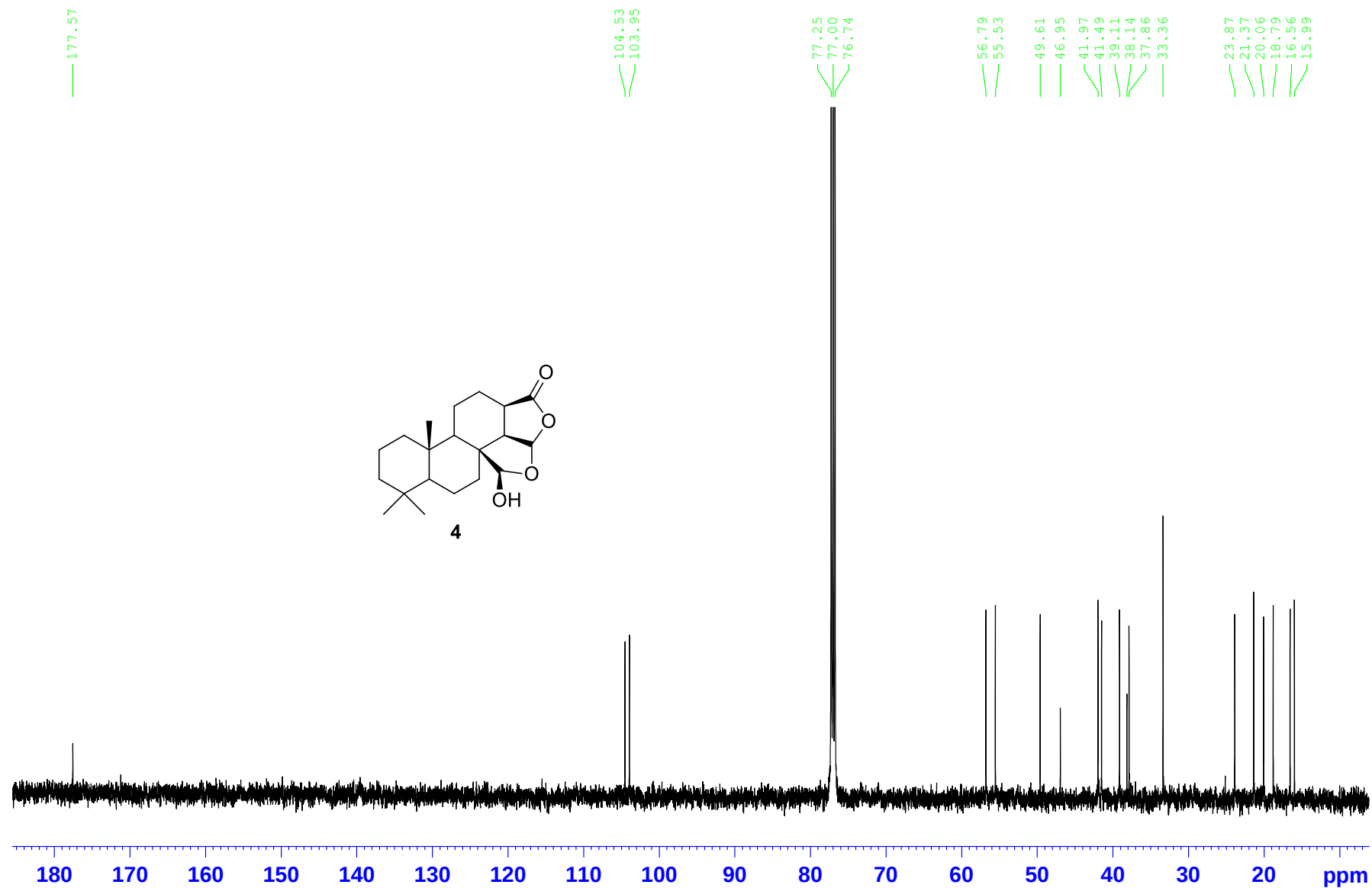


Figure S14. ^1H NMR spectrum of compound **5** in CDCl_3 .

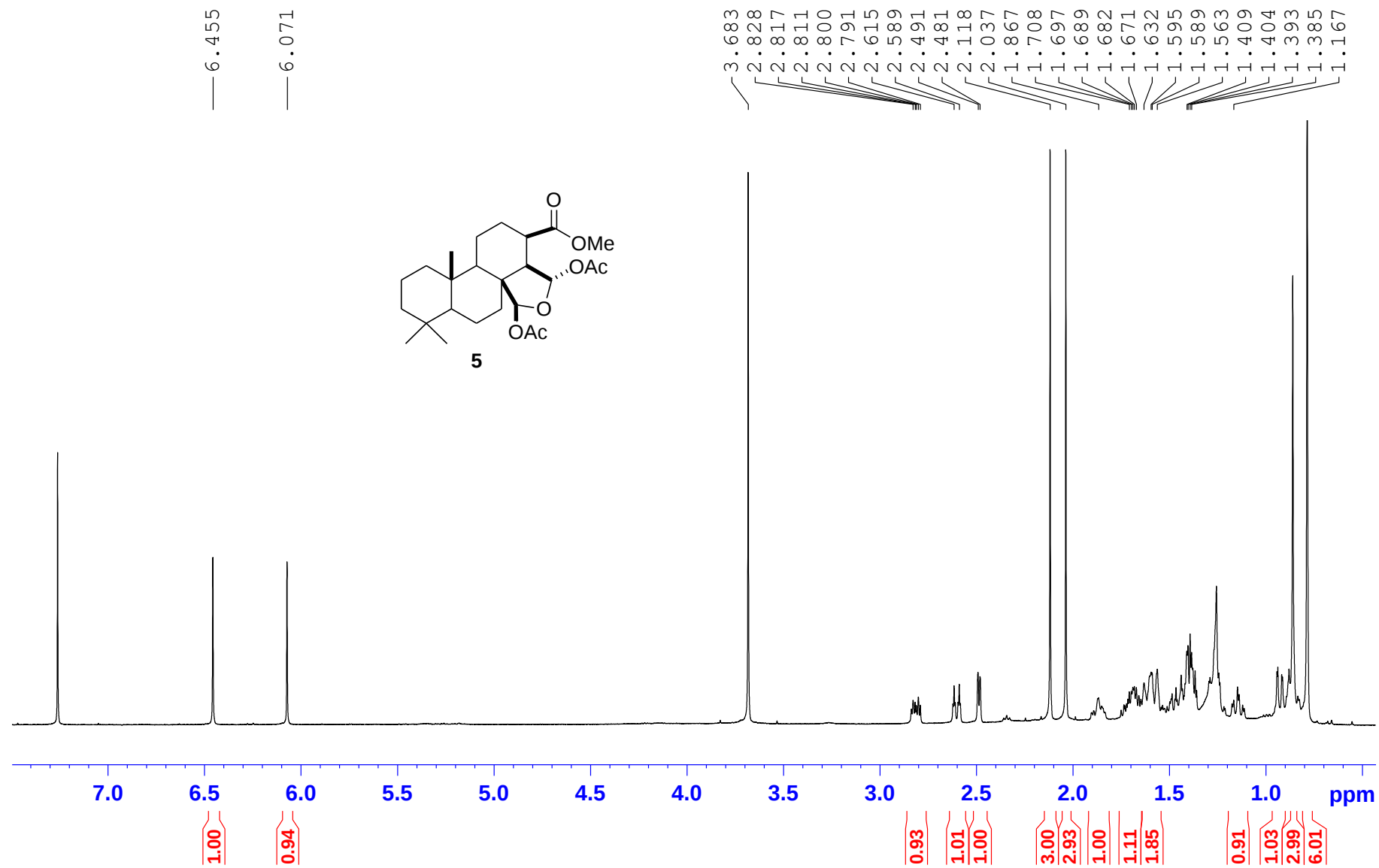


Figure S15. ^{13}C NMR spectrum of compound **5** in CDCl_3 .

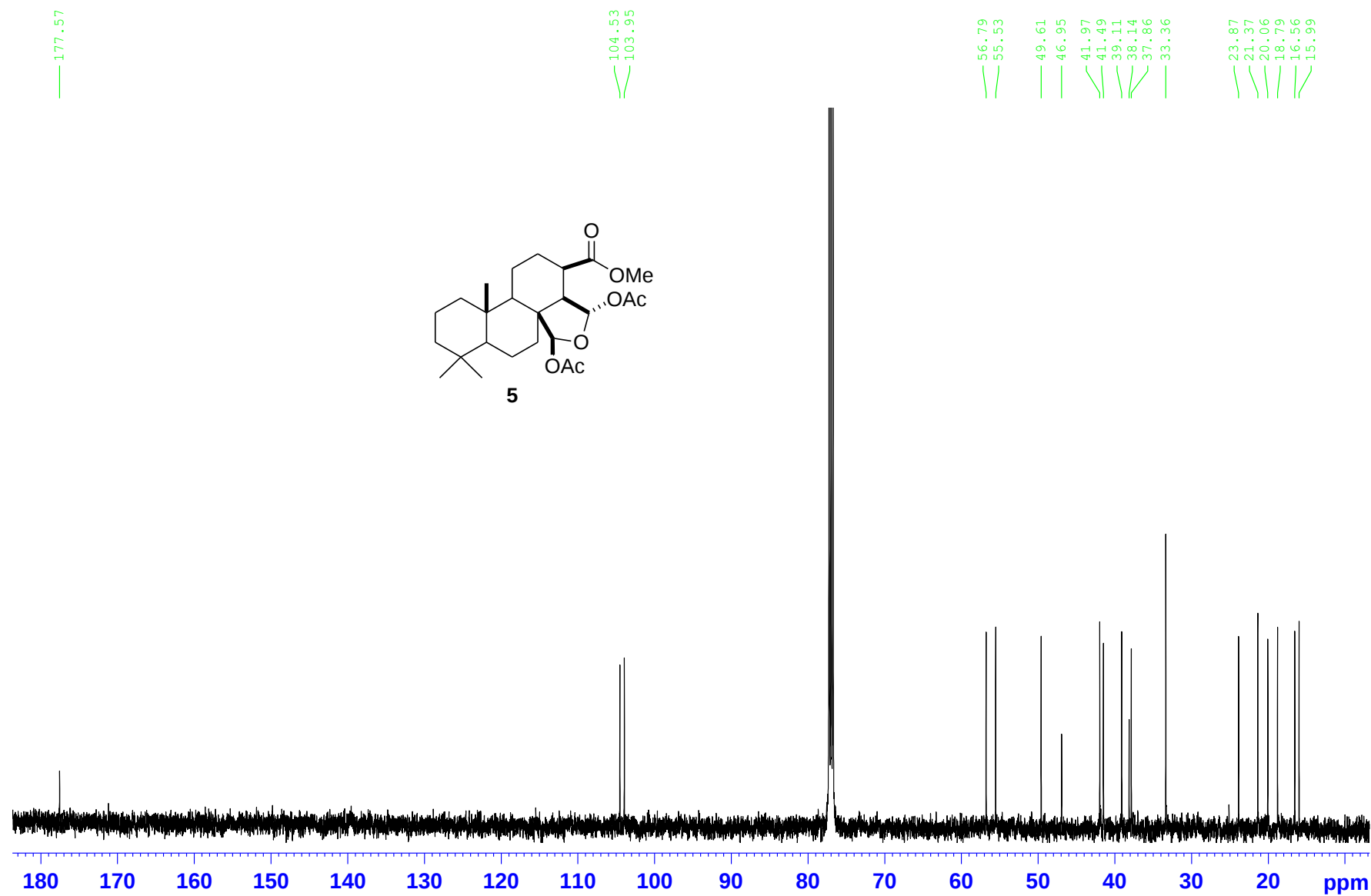


Figure S16. ^1H NMR spectrum of compound **6** in CDCl_3 .

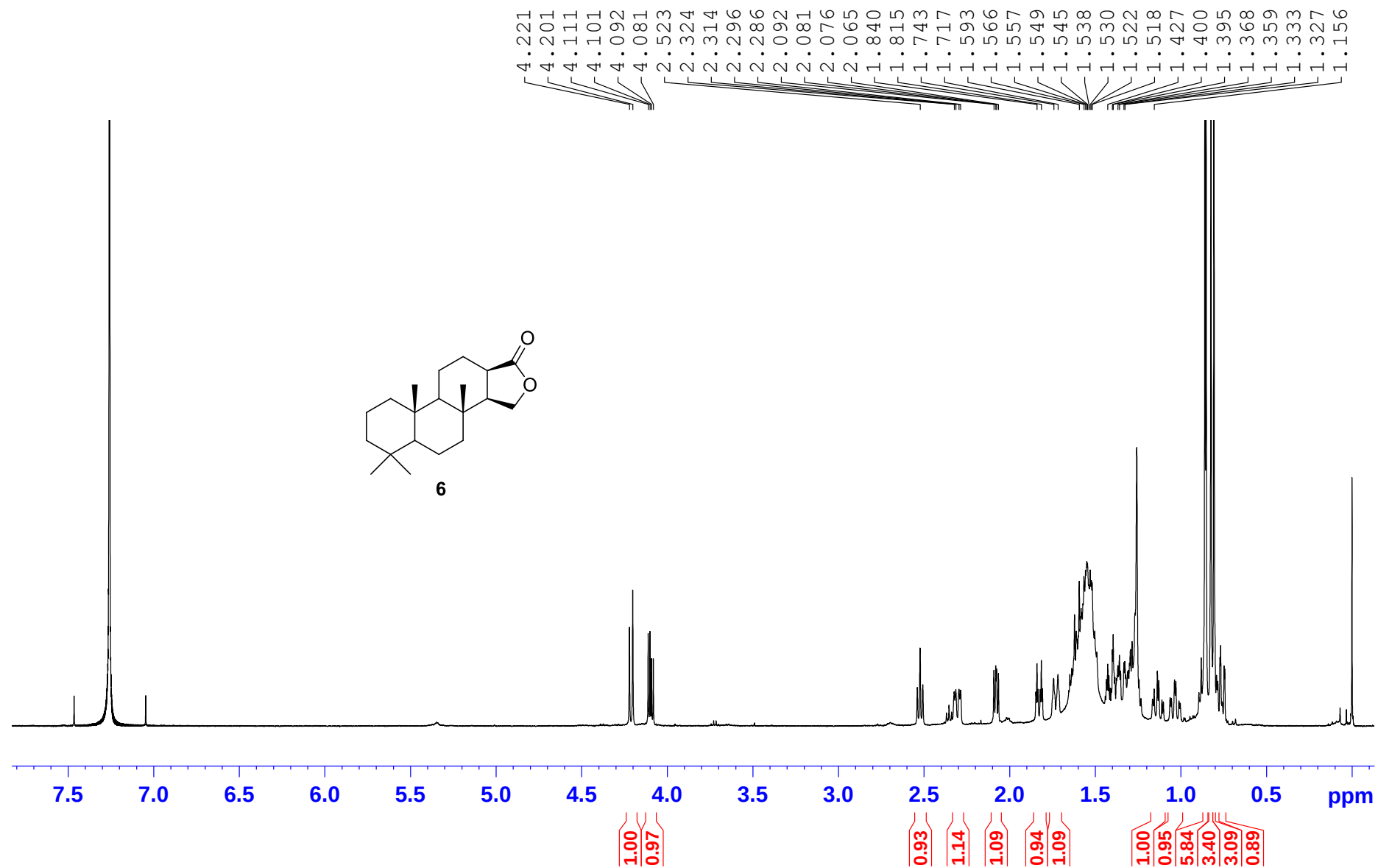


Figure S17. ^{13}C NMR spectrum of compound **6** in CDCl_3 .

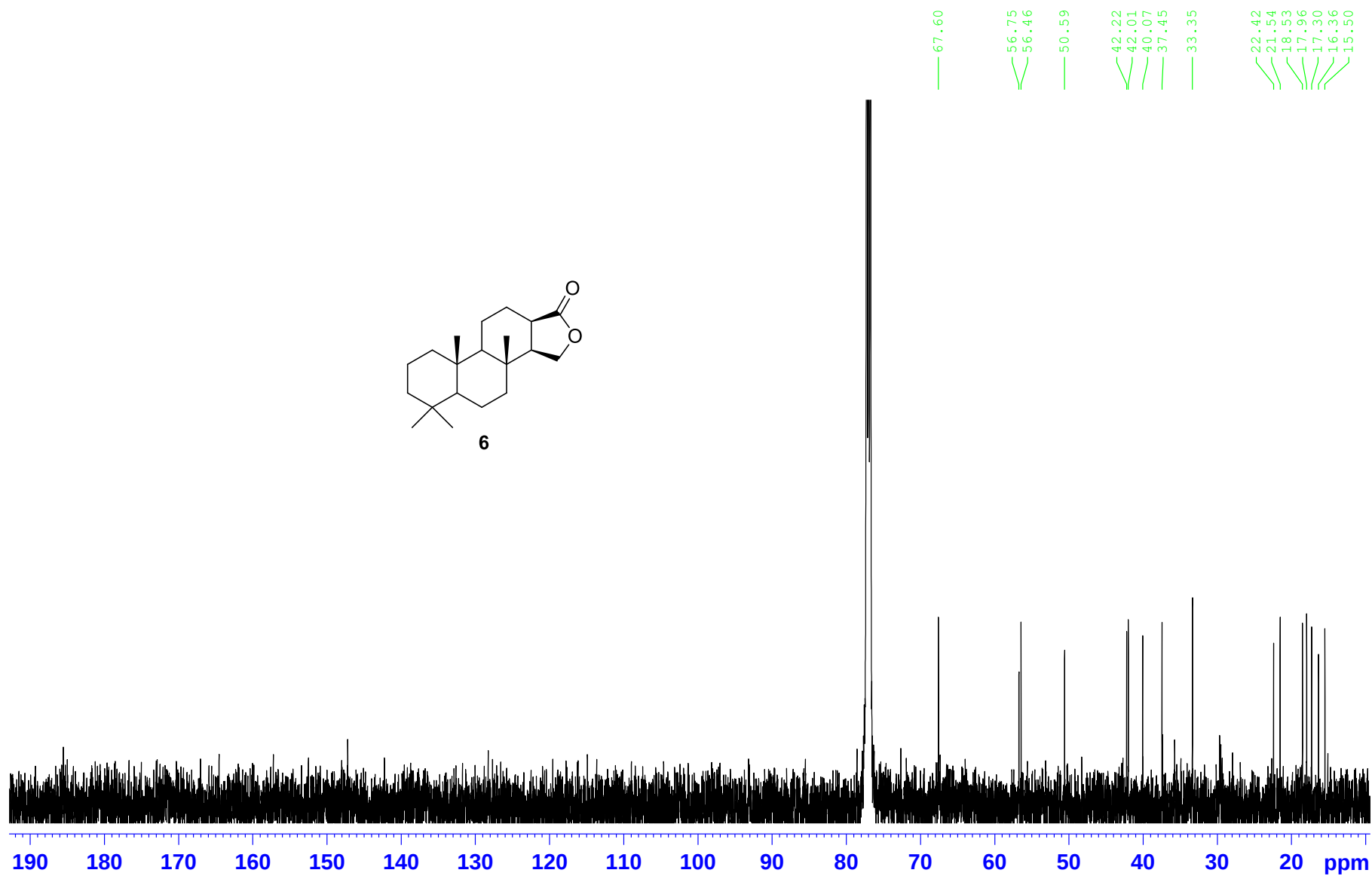


Figure S18. The original full-size blots corresponding to the data represented on Fig. 3a. Red box and arrow indicates relevant bands represented in the Manuscript.

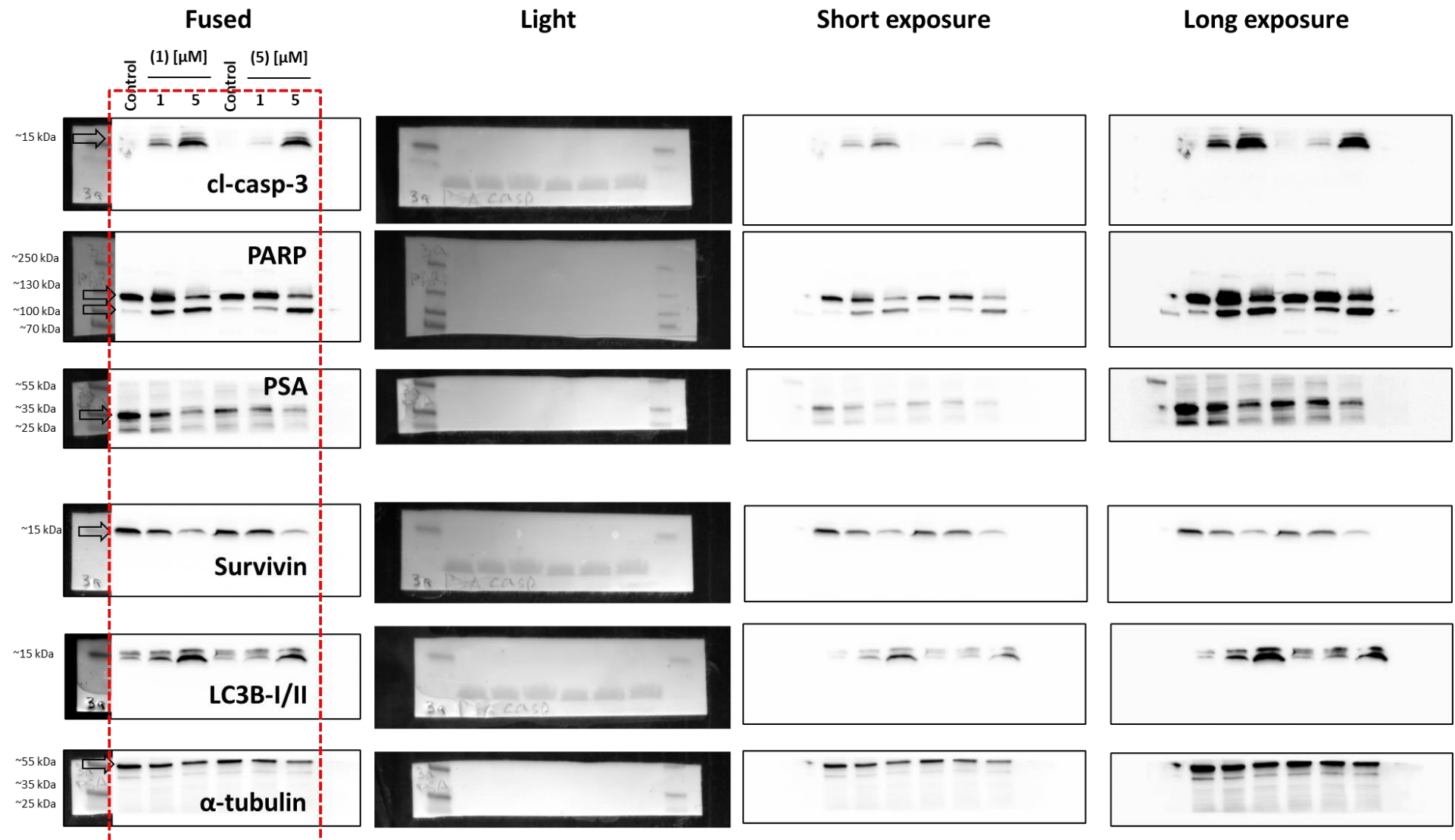


Figure S18 (continuation). The original full-size blots corresponding to the data represented on Fig. 3a. Red box and arrow indicates relevant bands represented in the Manuscript.

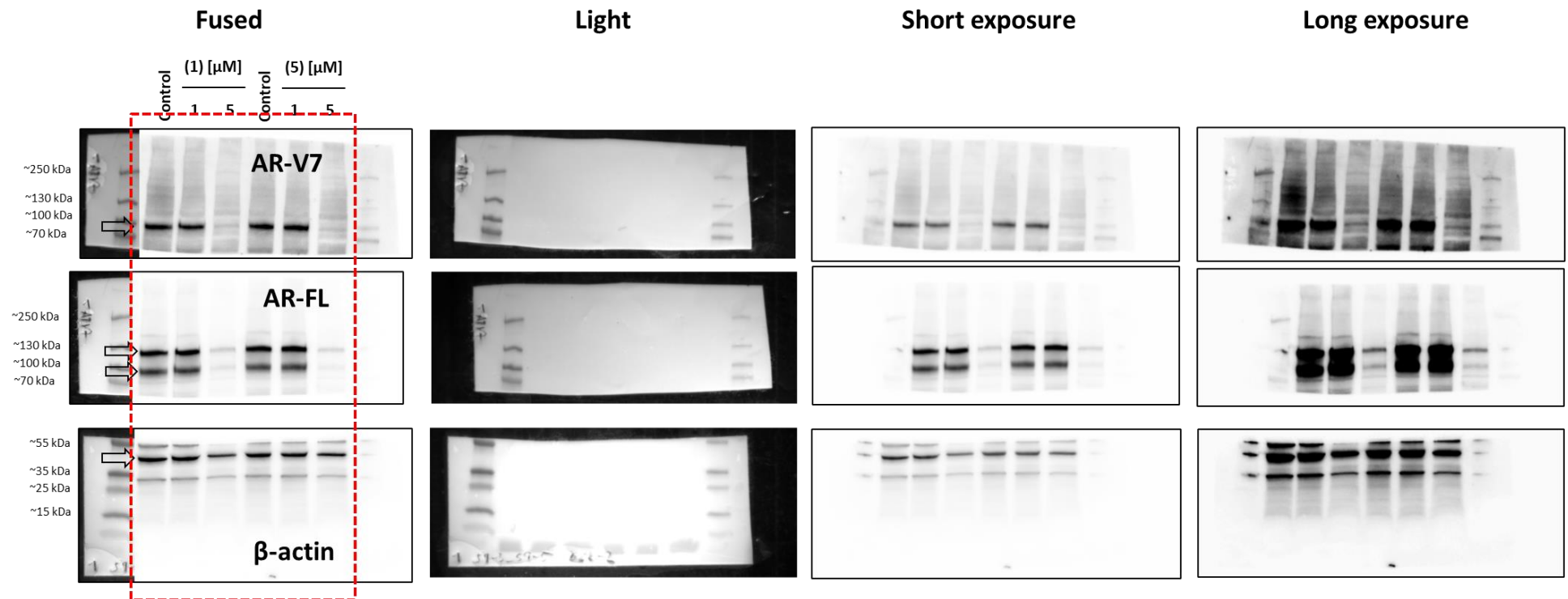


Figure S19. The original full-size blots corresponding to the data represented on Fig. 4a. Red box and arrow indicates relevant bands represented in the Manuscript.

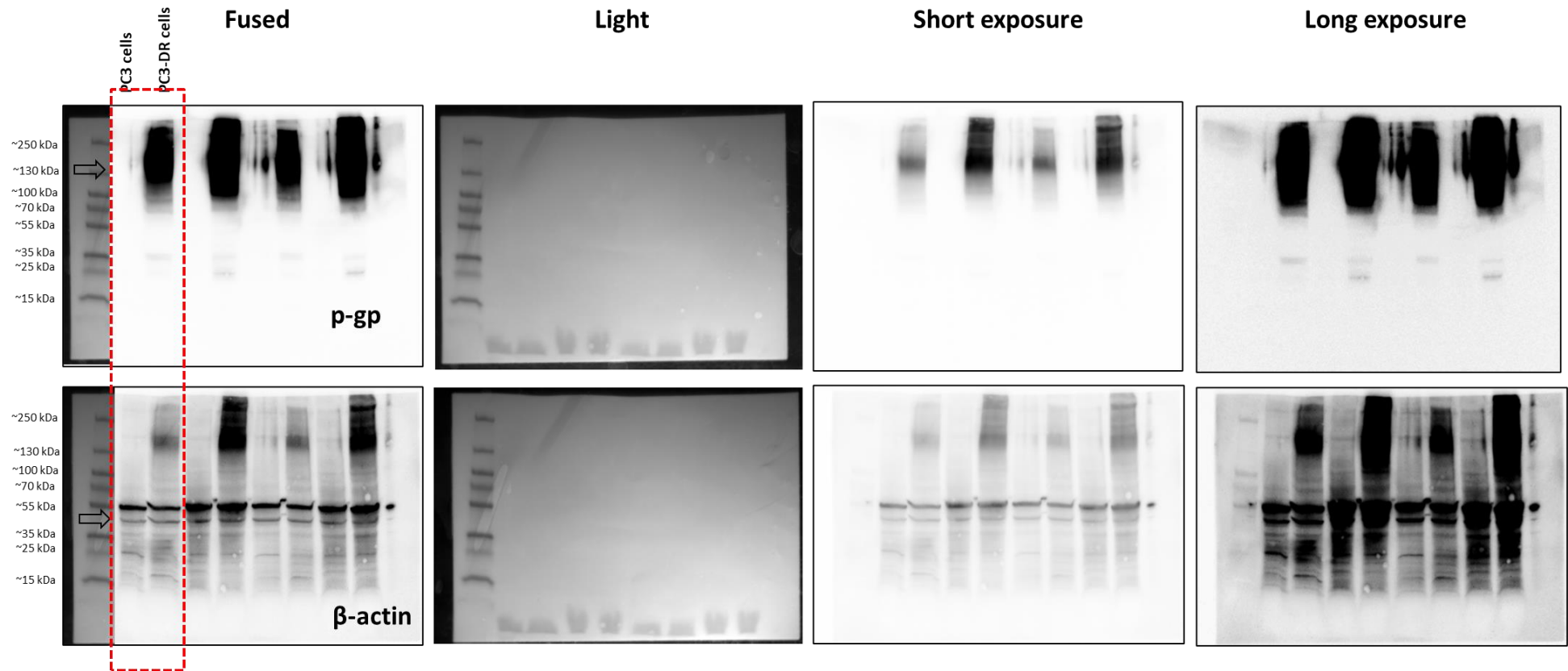


Figure S19 (continuation). The original full-size blots corresponding to the data represented on Fig. 4a. Red box and arrow indicates relevant bands represented in the Manuscript.

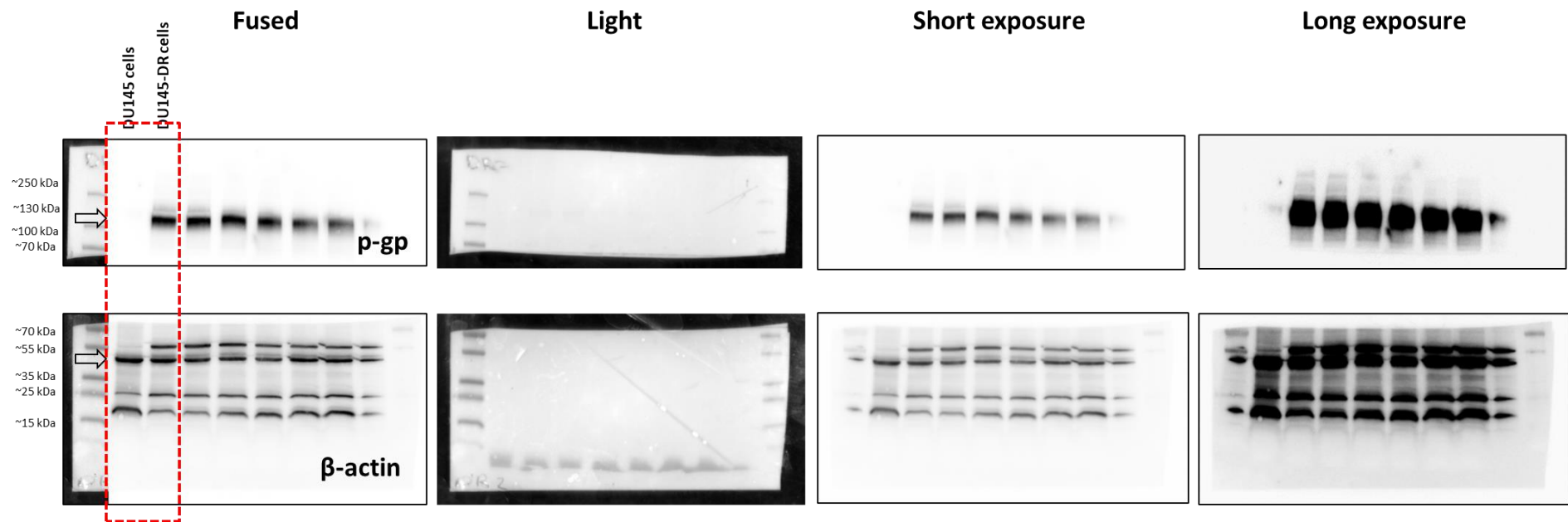


Figure S20. The original full-size blots corresponding to the data represented on Fig. 5a. Red box and arrow indicates relevant bands represented in the Manuscript.

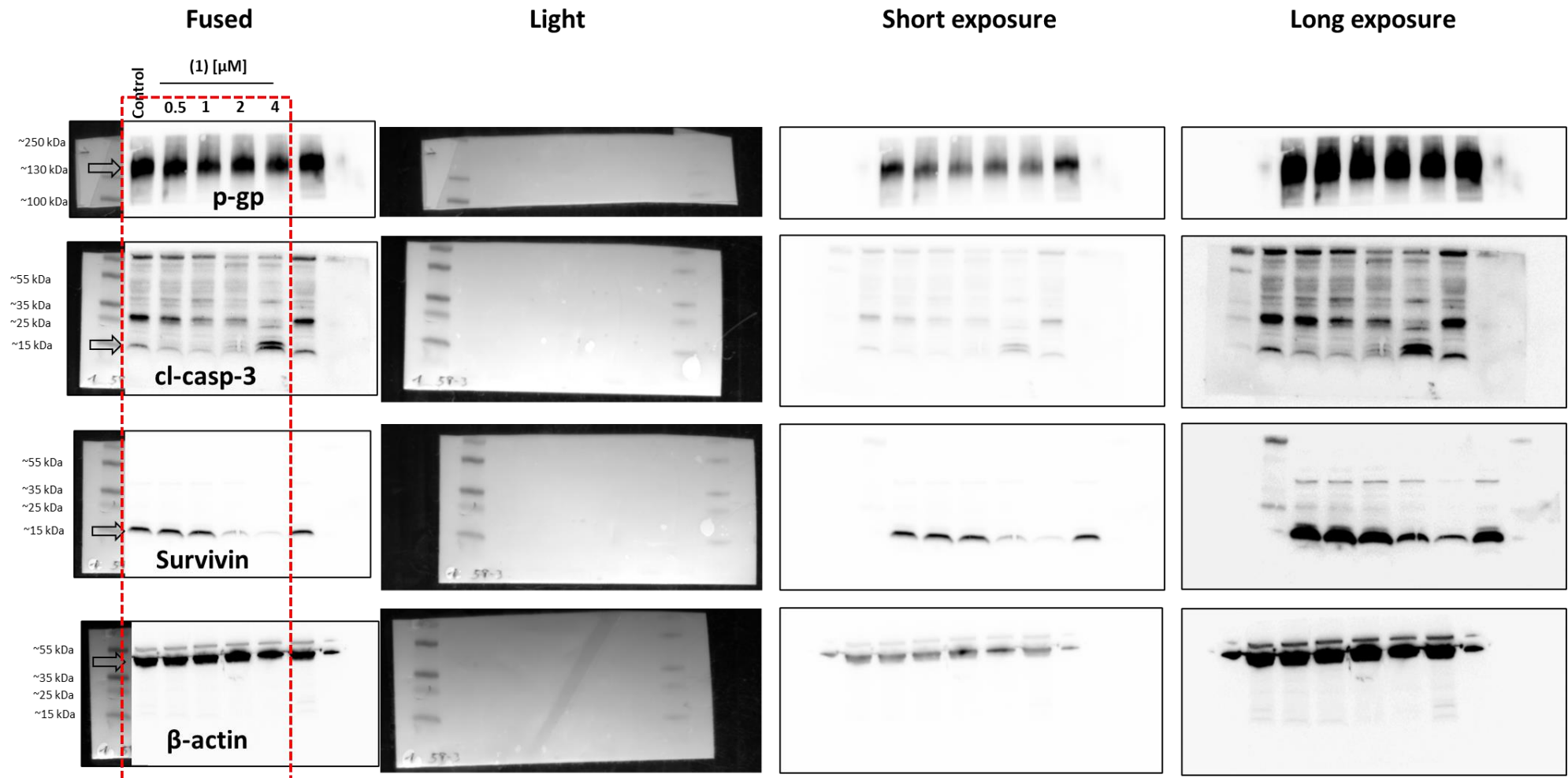


Figure S20 (continuation). The original full-size blots corresponding to the data represented on Fig. 5a. Red box and arrow indicates relevant bands represented in the Manuscript.

