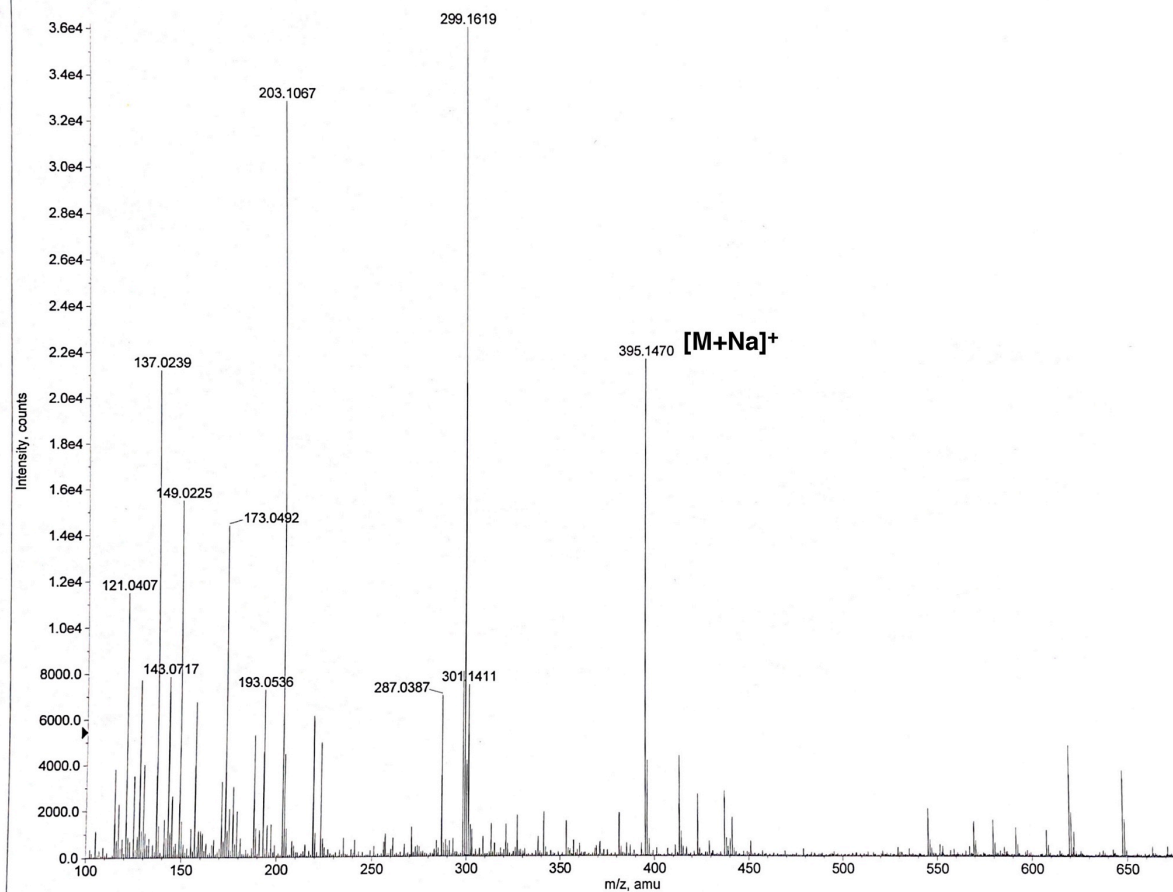


Supplementary Materials

Therapeutic effect of Renifolin F on airway allergy in an ovalbumin-induced asthma mouse model In vivo

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Elemental composition calculator

Target m/z: +395.1470 amu
Tolerance: +10.0000 ppm
Result type: Elemental
Max num of results: 20
Min DBE: -0.5000 Max DBE: +50.0000
Electron state: OddAndEven
Num of charges: 0
Add water: N/A
Add proton: N/A
File Name: SBD-5.wiff

	Formula	Calculated m/z (amu)	mDa Error	PPM Error	DBE
1	C21 H24 O6 Na	395.1470	-0.0585	-0.1480	9.5
2	C23 H23 O6	395.1494	-2.4637	-6.2350	12.5
3	C30 H19 O	395.1435	3.4095	8.6286	21.5

Figure S1: HRMS-ES of Renifolin F

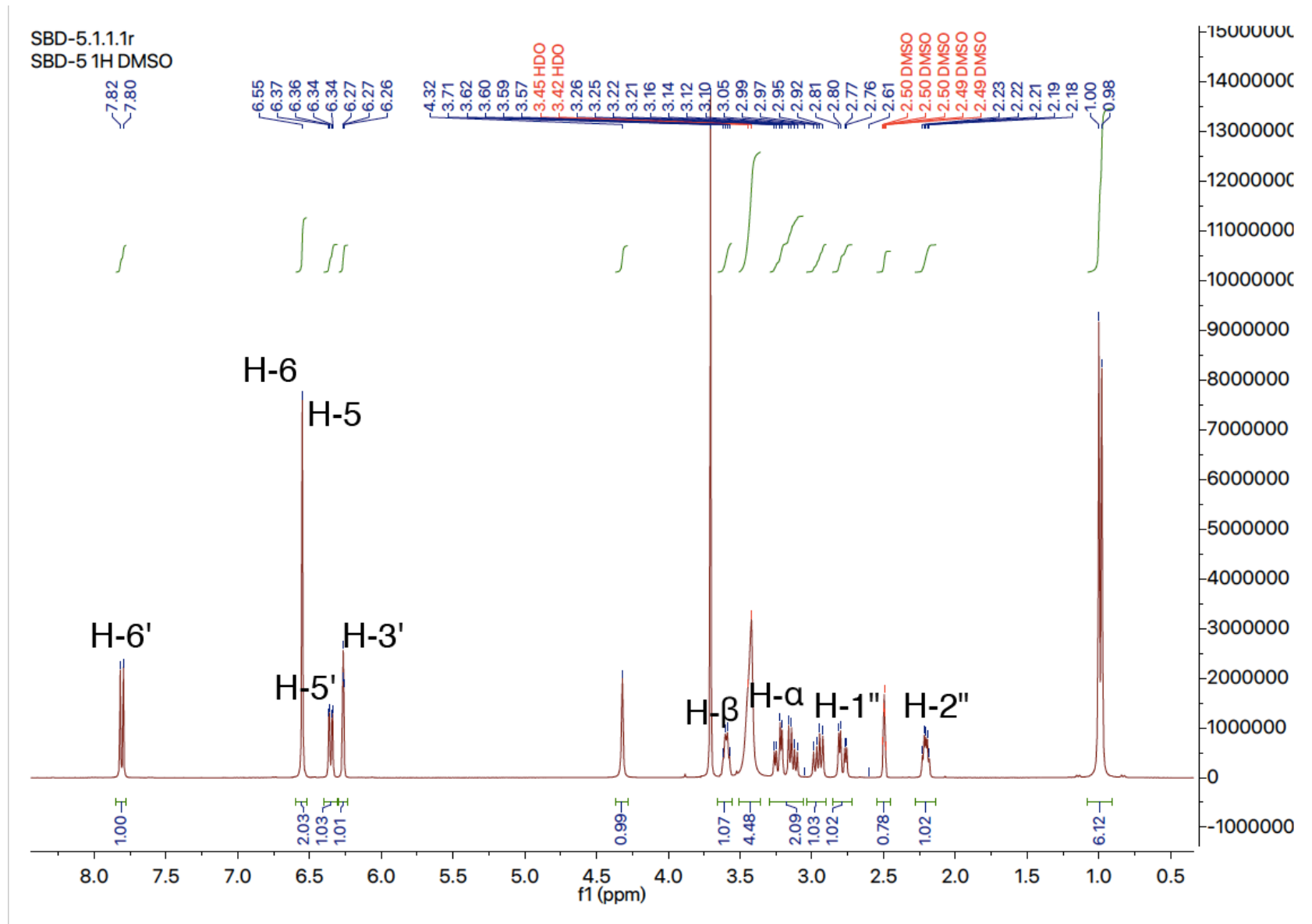


Figure S2: ^1H -NMR of Renifolin F (400MHz, $\text{DMSO}-d_6$)

SBD-5.2.1.1r
SBD-5 ^{13}C DMSO

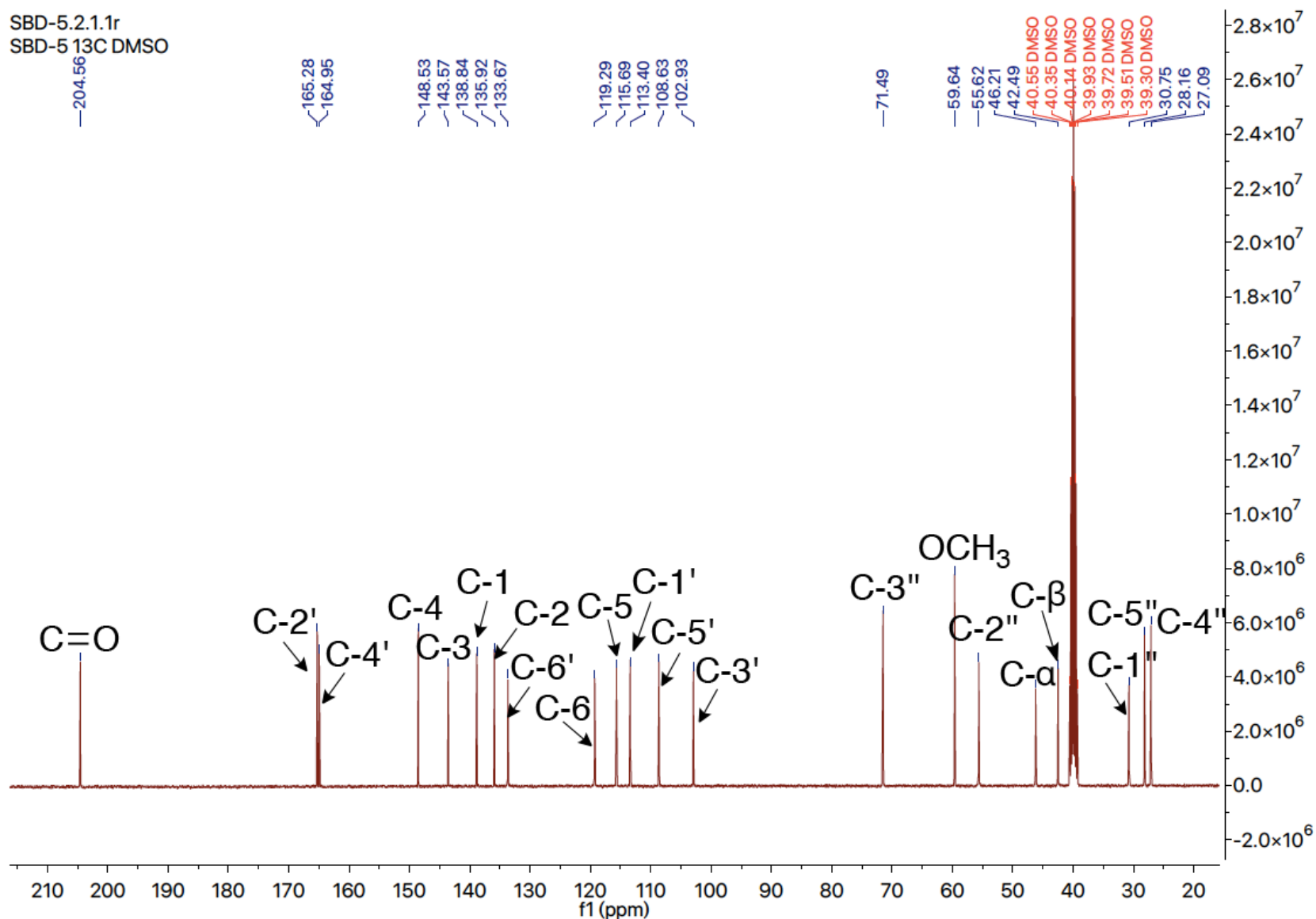


Figure S3: ^{13}C -NMR of Renifolin F (100MHz, DMSO- d_6)

SBD-5.3.1.1r
SBD-5 DEPT135 DMSO

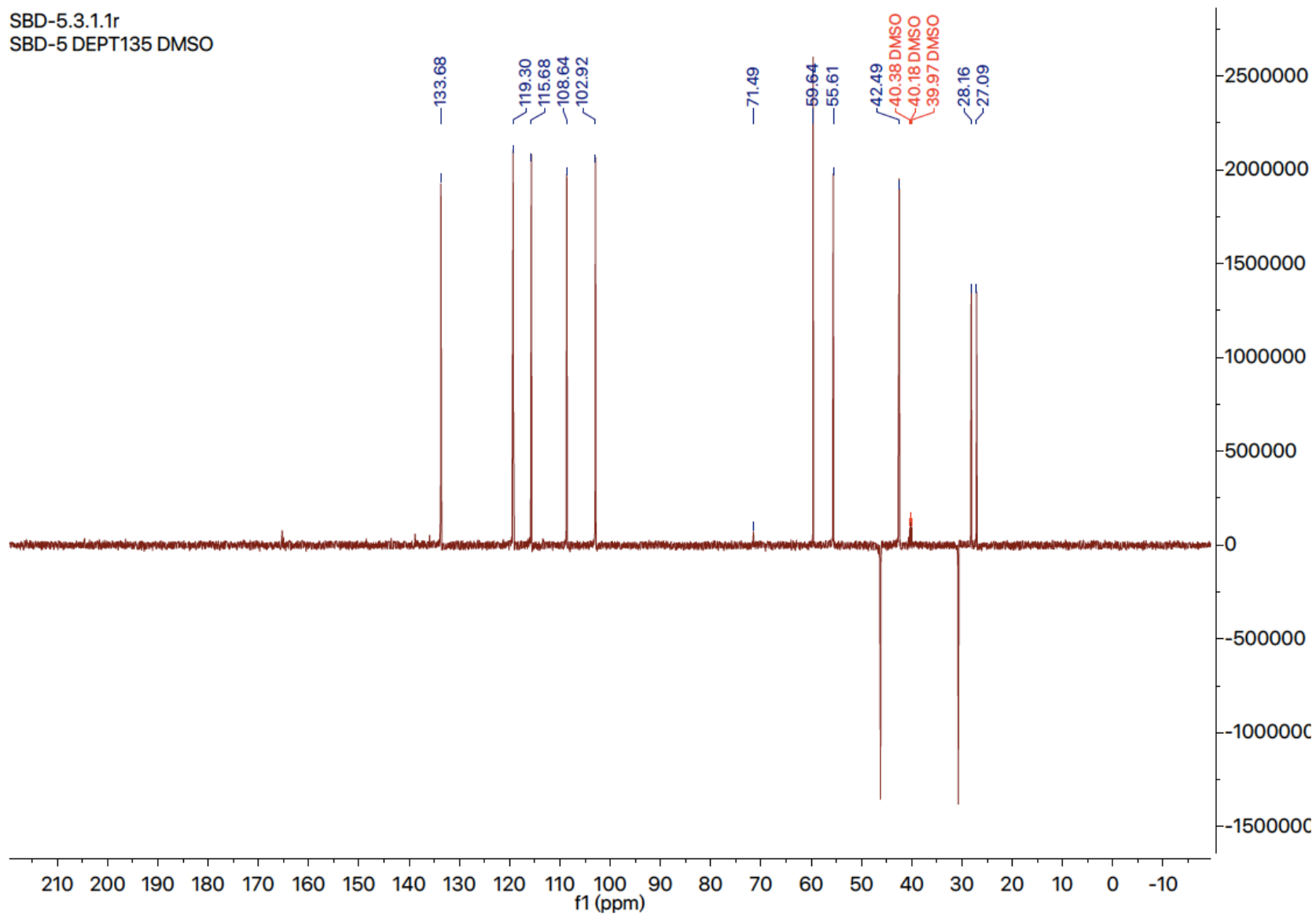


Figure S4: ^{13}C -NMR DEPT 135 of Renifolin F (100MHz, $\text{DMSO-}d_6$)

SBD-5.4.1.1r
SBD-5 DEPT90 DMSO

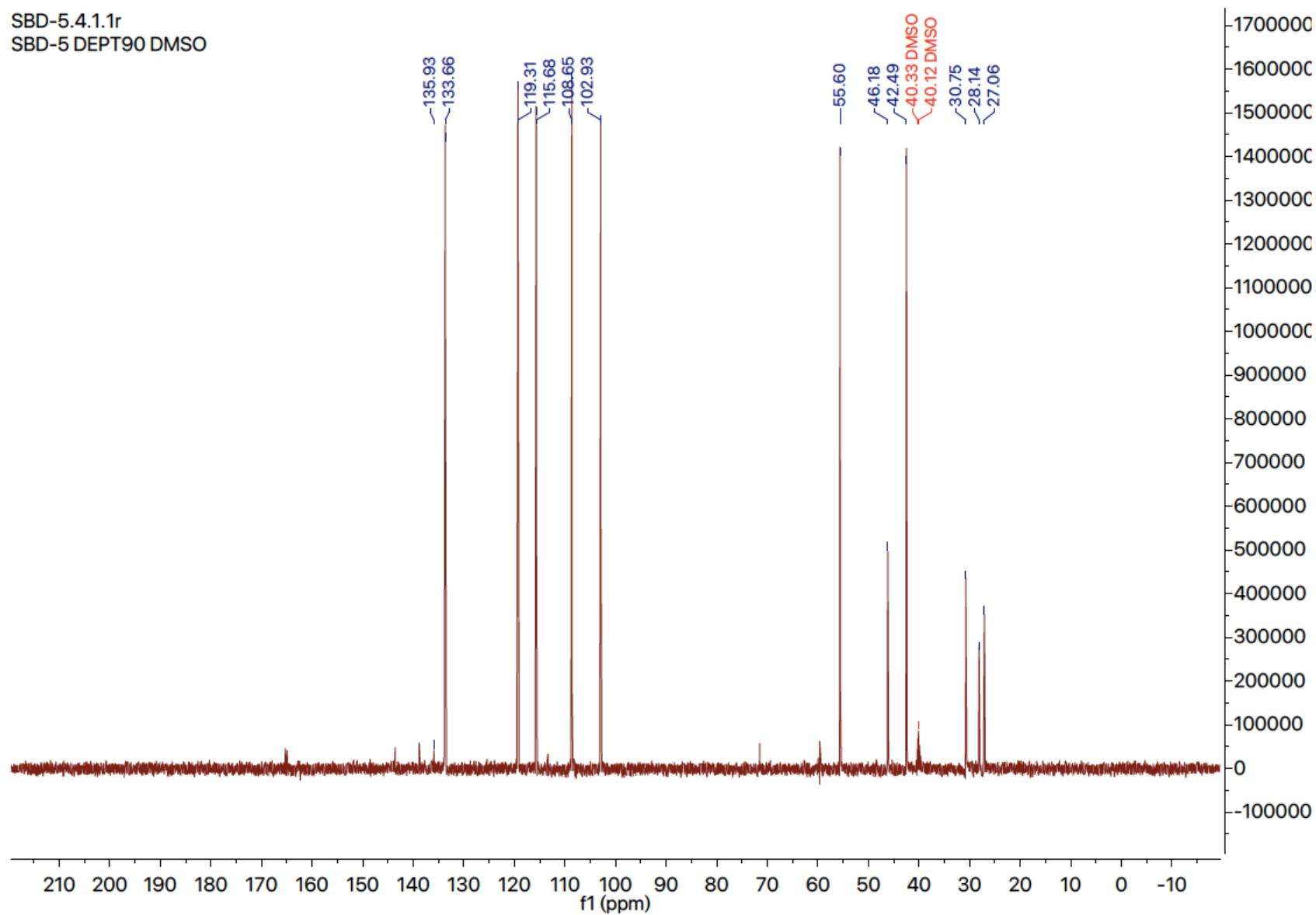


Figure S5: ^{13}C -NMR DEPT 90 of Renifolin F (100MHz, $\text{DMSO}-d_6$)

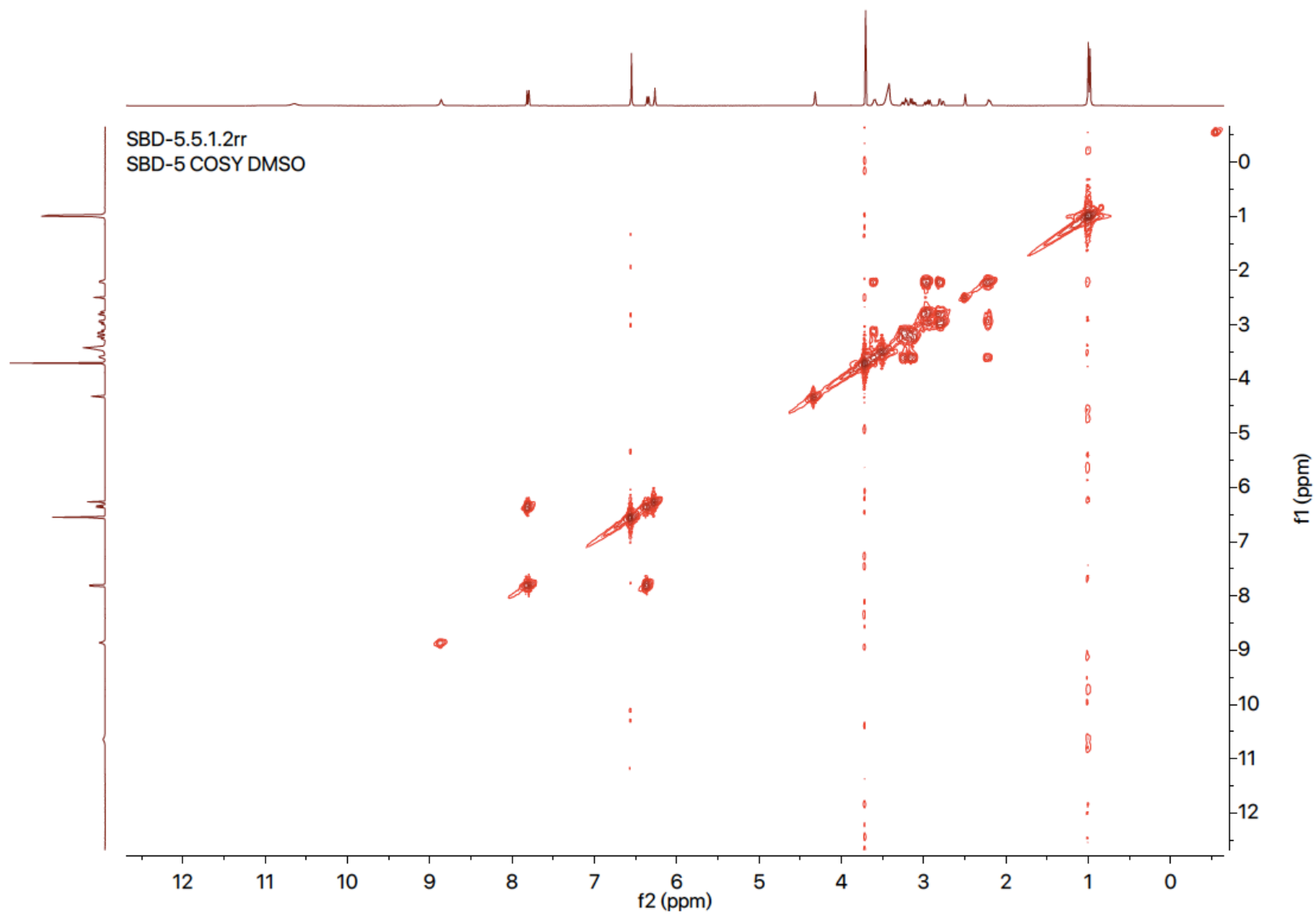


Figure S6: COSY of Renifolin F

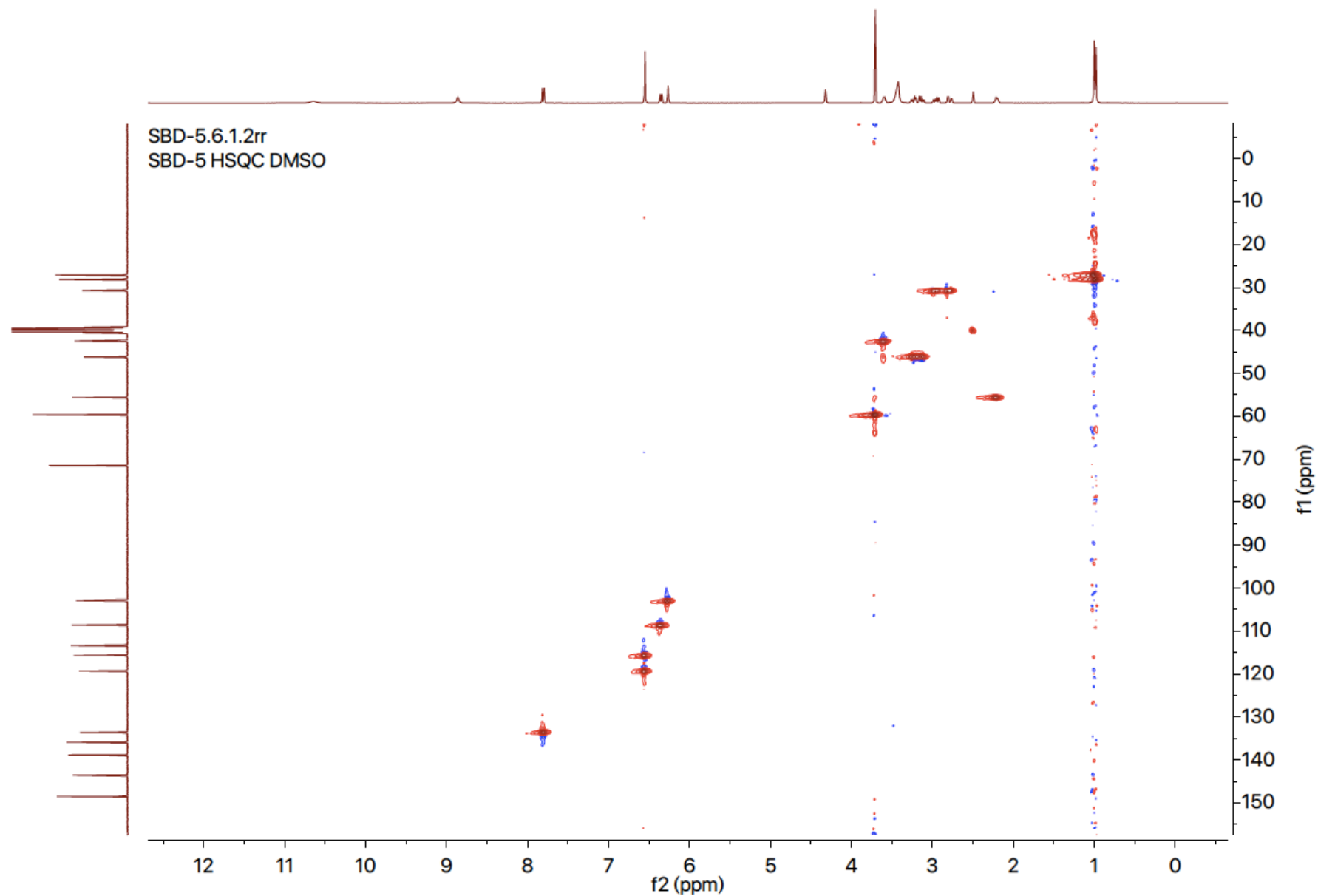


Figure S7: HSQC of Renifolin F

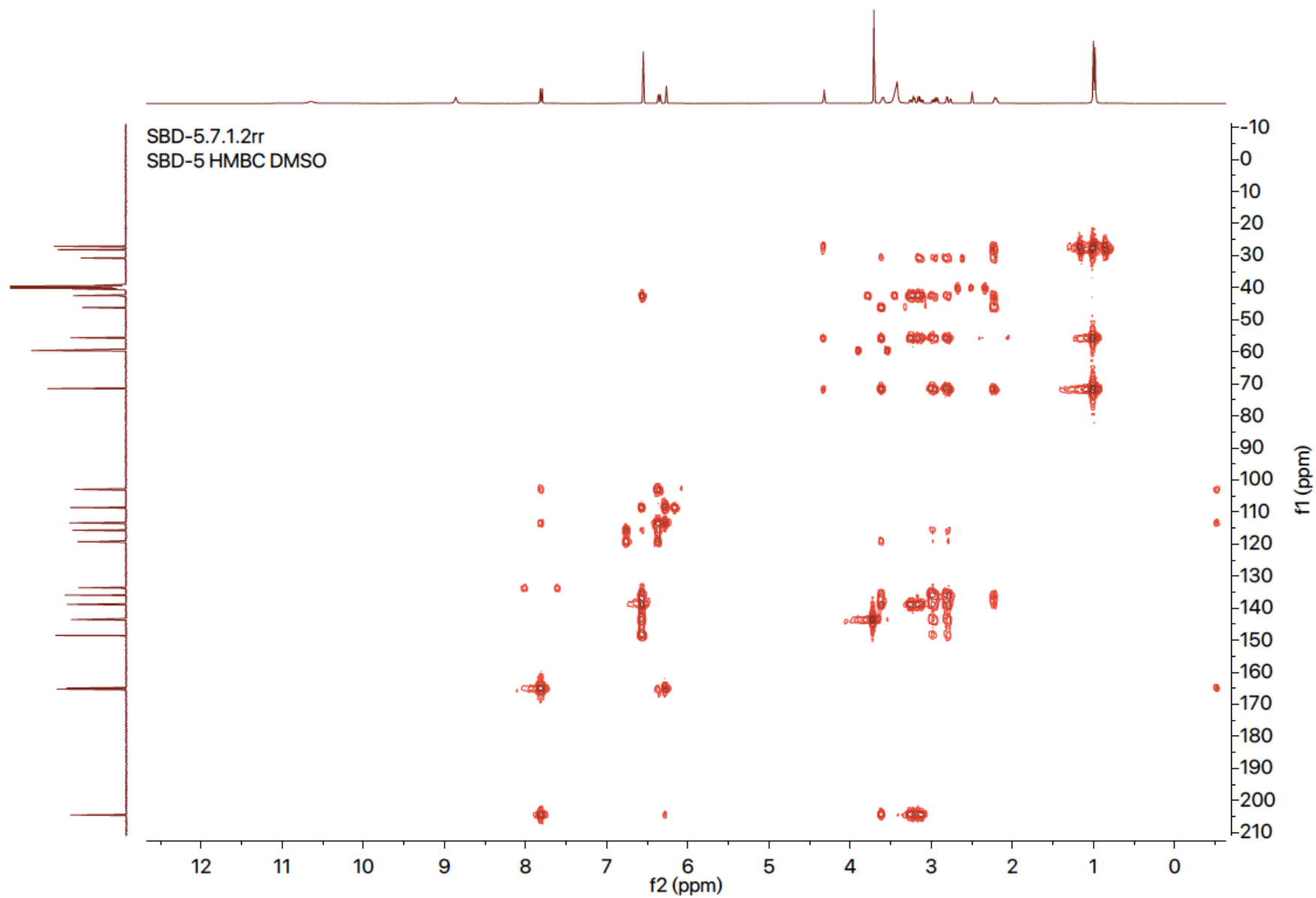


Figure S8: HMBC of Renifolin F

① Instrument

Agilent 1260 InfinityII

② Solvents

Solvent A Acetonitrile

Solvent B 0. 1% trifluoroacetic acid

③ Method

Flow(mL/min)	%A	%B
0.8	35	65

④ Column

Waters Sunfire C18 column (250 mm × 4.6 mm, 5 μm)

⑤ Absorbance

210 nm

⑥ Column temperature

26.5 °C

⑦ Injection Volume

15 μl

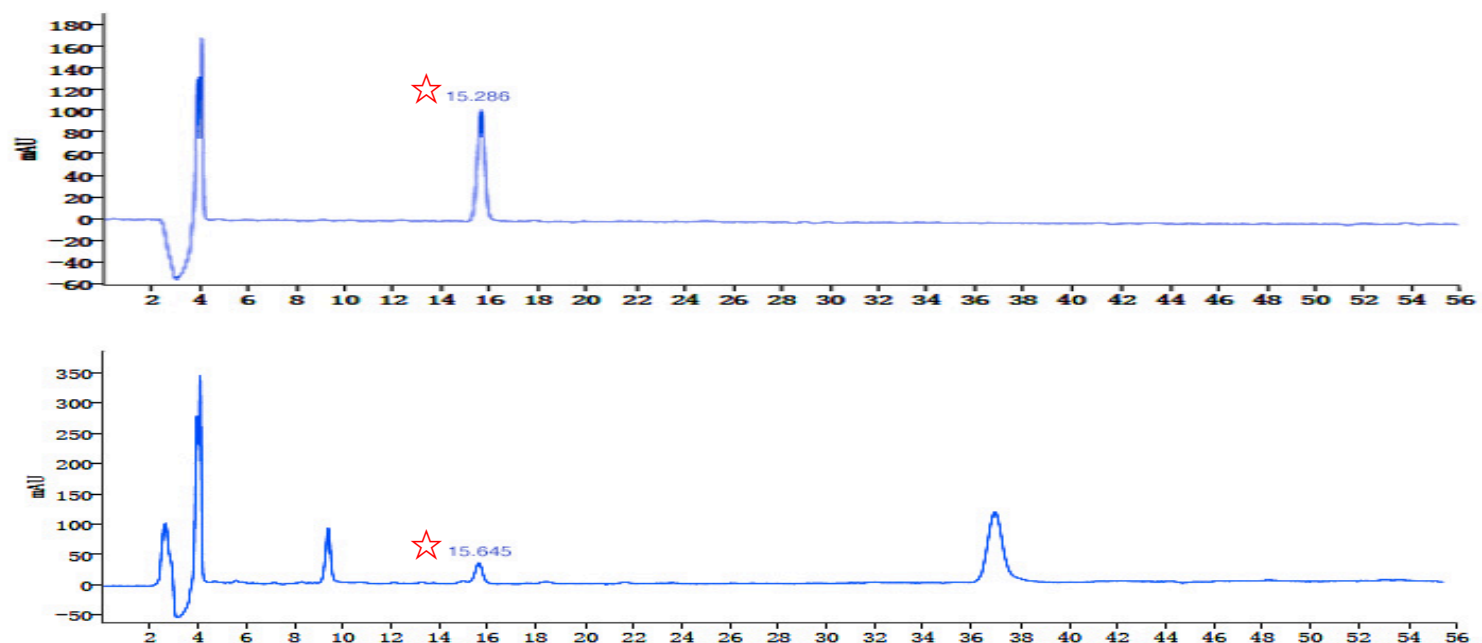


Figure S9: HPLC of Renifolin F

The upper HPLC was reference solution and the below was Tong-qian-ma-huang EtOH extract

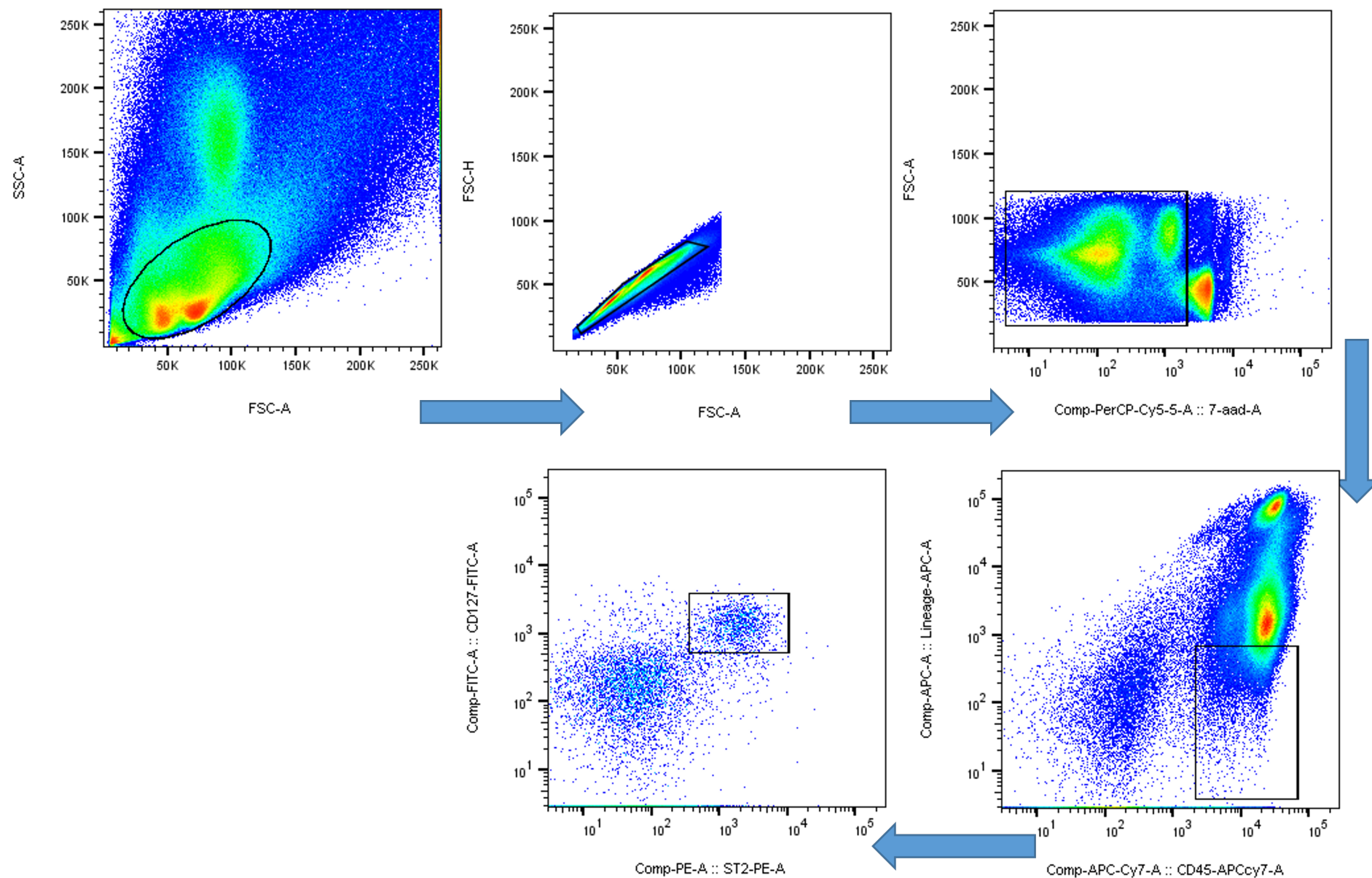


Figure S10: Flow cytometry analysis of ILC2s in lungs of OVA-induced asthma mice model