

Cytotoxic Drimane Sesquiterpenoids Isolated from *Perenniporia maackiae*

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- S48.** NOESY NMR spectrum of pereniporin C (**7**) in CDCl₃.
- S49.** HRESIMS spectrum of pereniporin C (**7**).

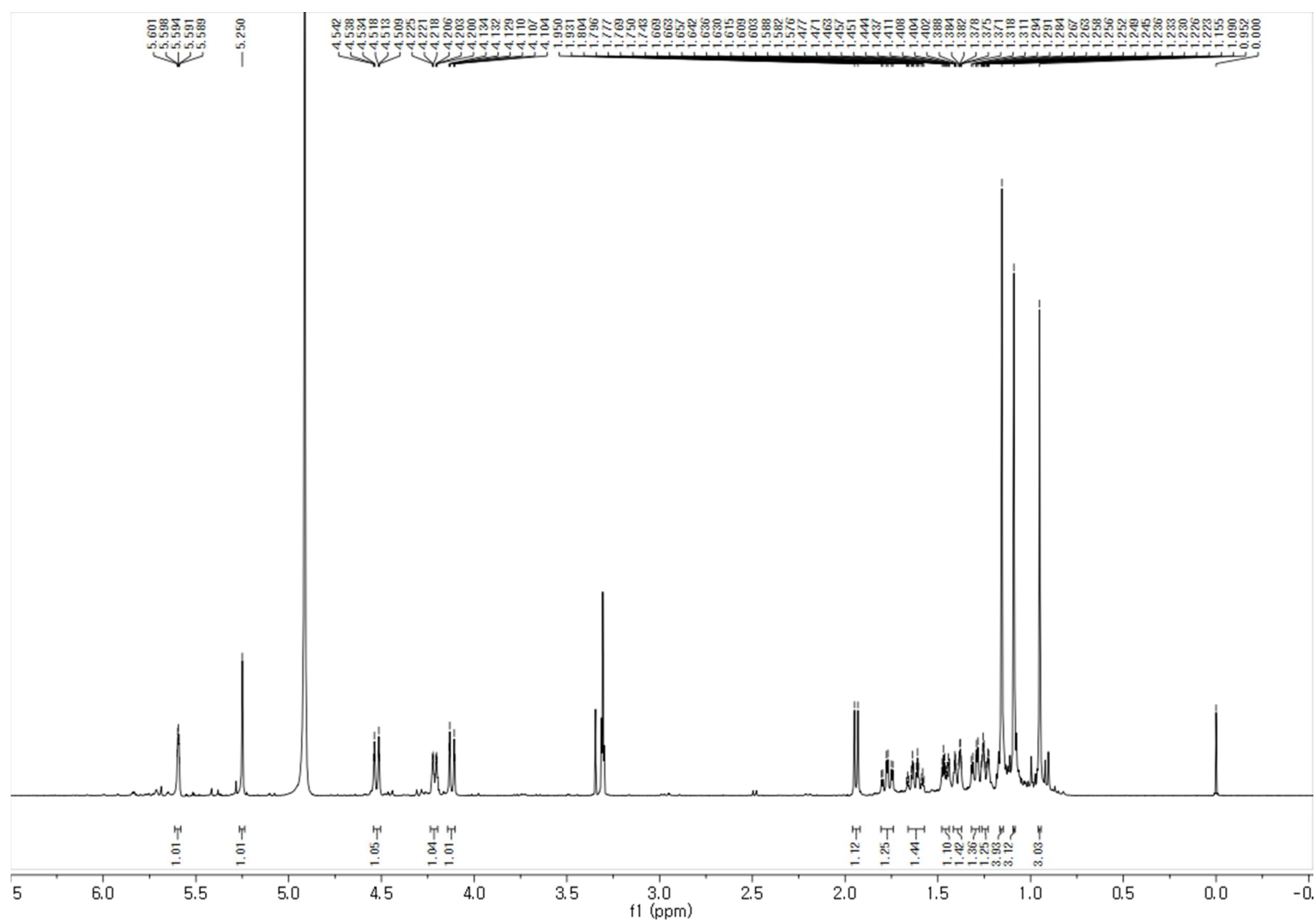
S50. NOESY correlations of compounds **2**, **4**, and **5**.

S51. Experimental and calculated ECD spectra of compounds **2**, **4**, and **5**.

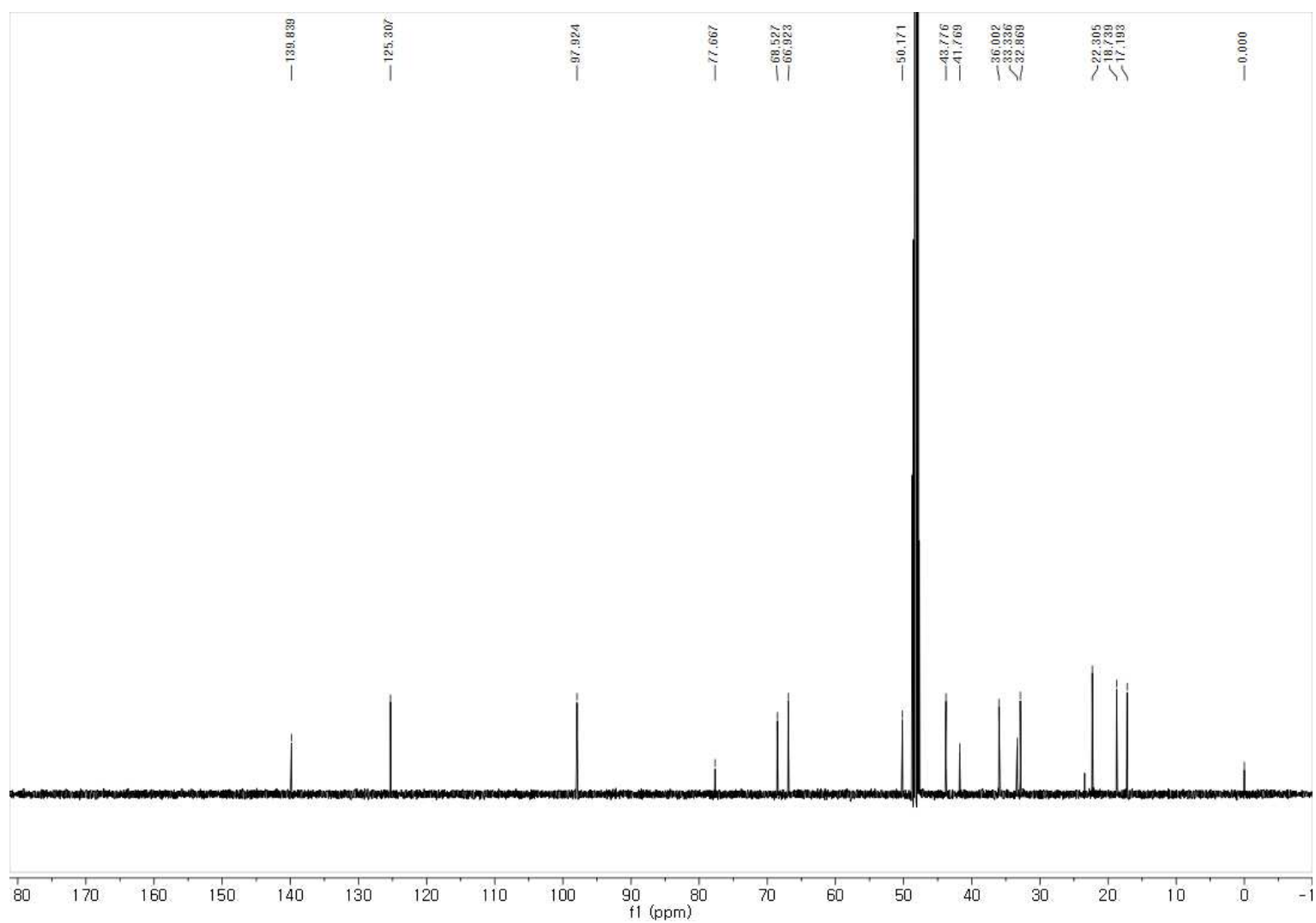
S52. ^1H NMR spectroscopic data of known compounds.

S53. Structures of known compounds.

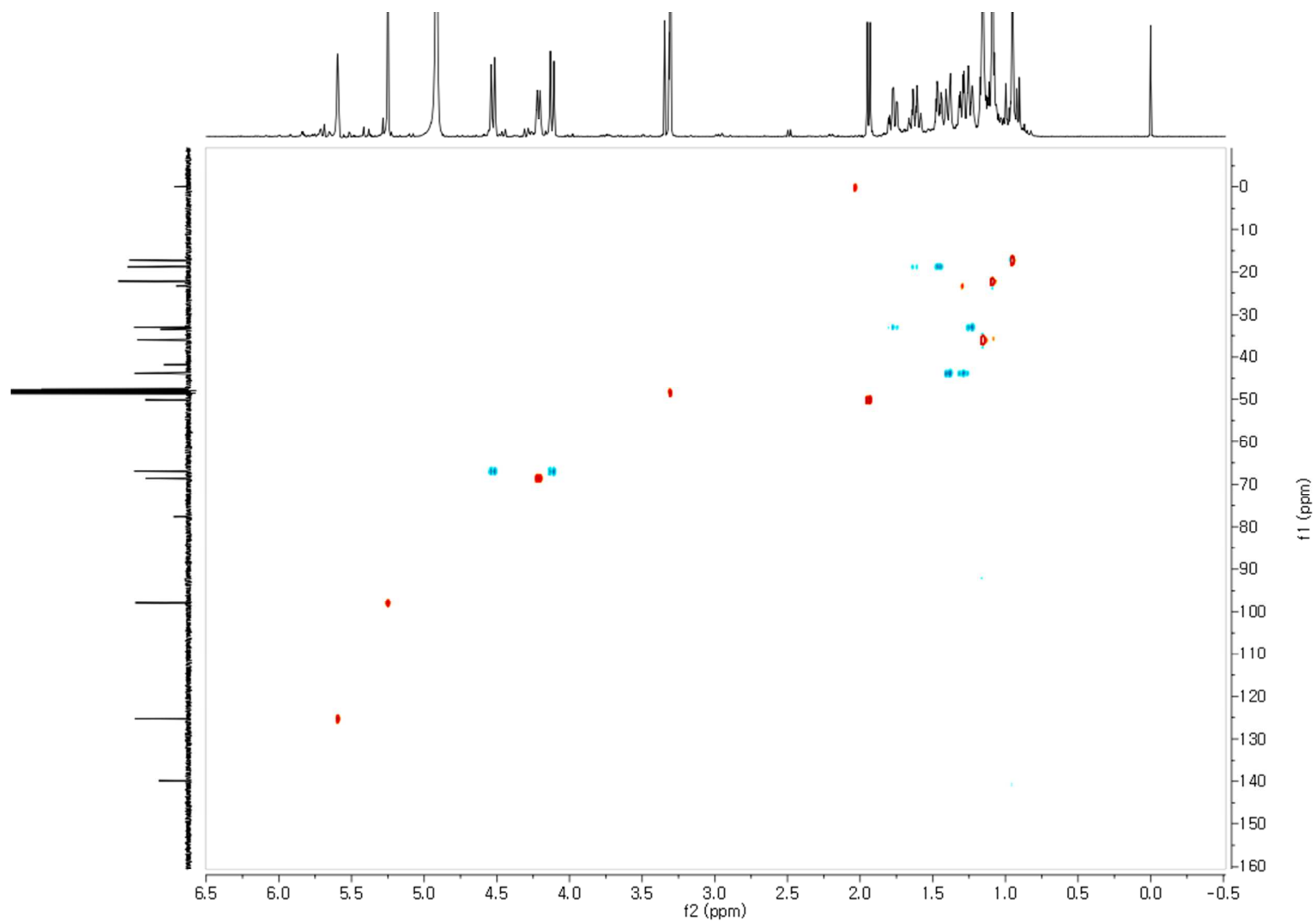
S1. ^1H NMR spectrum (500 MHz) of 6-*epi*-pereniporin A (**1**) in CD_3OD .



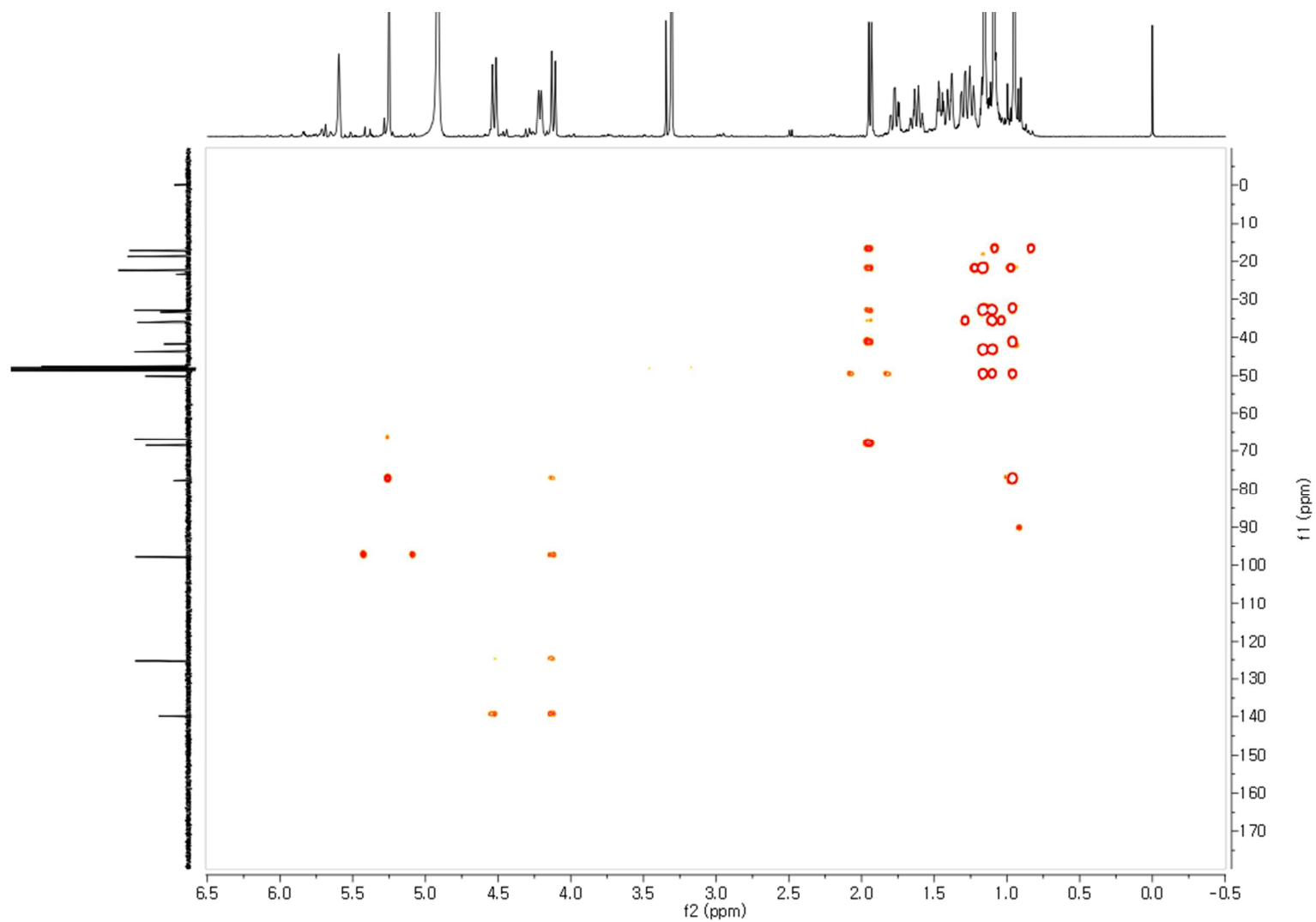
S2. ^{13}C NMR spectrum (125 MHz) of 6-*epi*-pereniporin A (**1**) in CD_3OD .



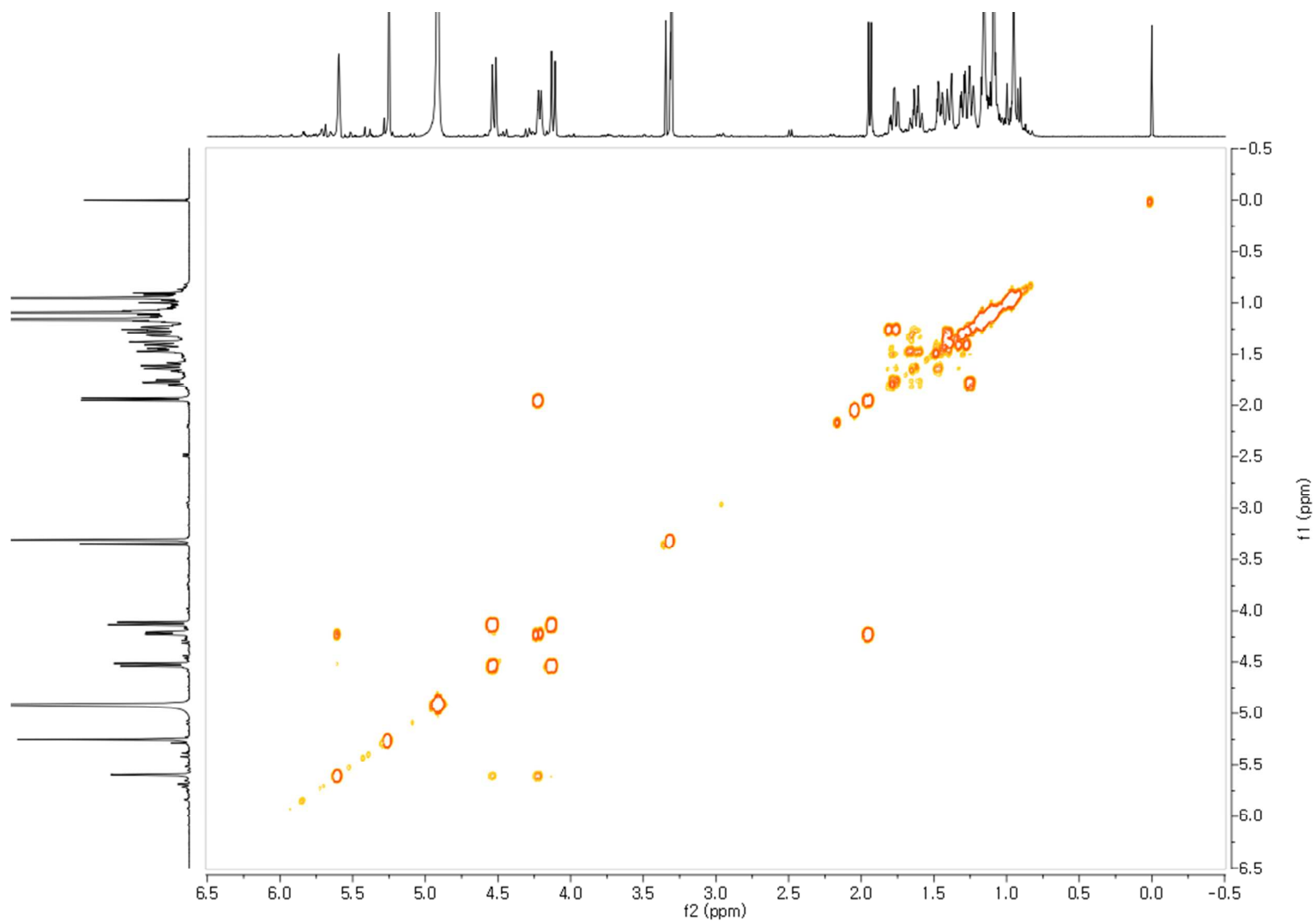
S3. HSQC NMR spectrum of 6-*epi*-pereniporin A (**1**) in CD₃OD.



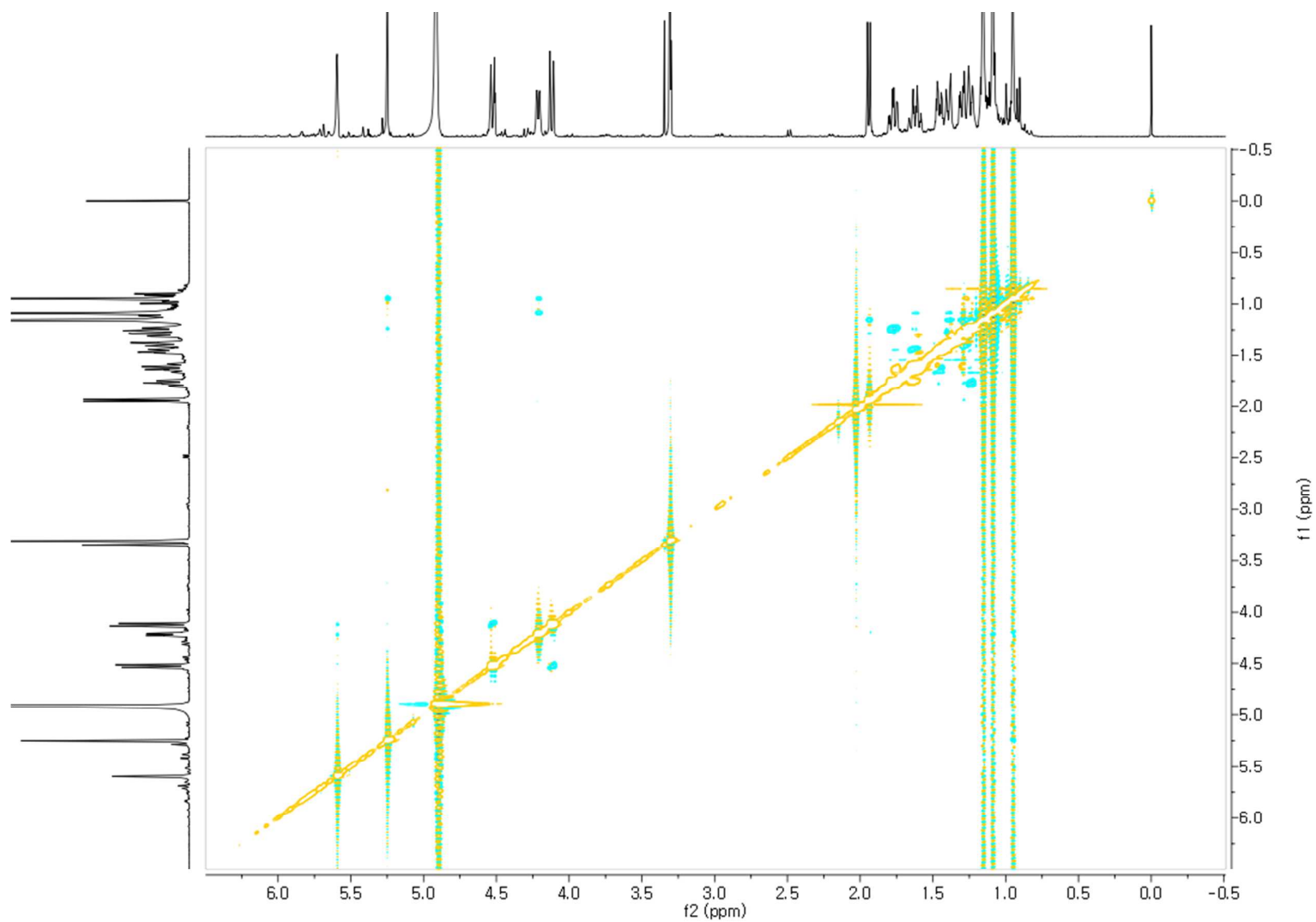
S4. HMBC NMR spectrum of 6-*epi*-pereniporin A (**1**) in CD₃OD.



S5. COSY NMR spectrum of 6-*epi*-pereniporin A (**1**) in CD₃OD.



S6. NOESY NMR spectrum of 6-*epi*-pereniporin A (**1**) in CD₃OD.



S7. HRESIMS spectrum of 6-*epi*-pereniporin A (**1**).

Tolerance = 5.0 PPM / DBE: min = -1.5, max = 50.0

Selected filters: None

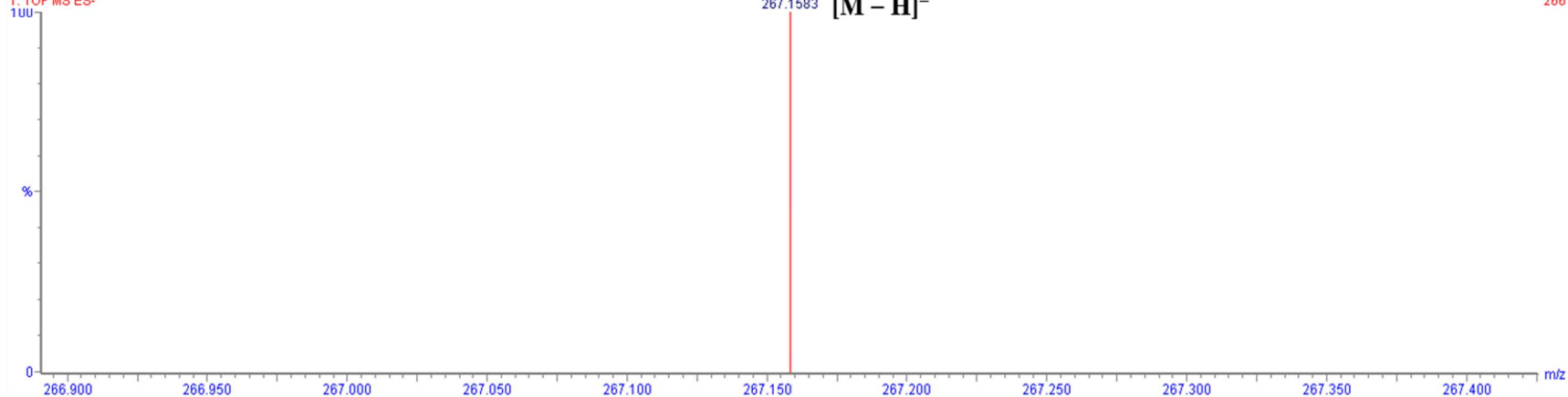
Monoisotopic Mass, Even Electron Ions

166 formula[e] evaluated with 1 results within limits (up to 50 best isotopic matches for each mass)

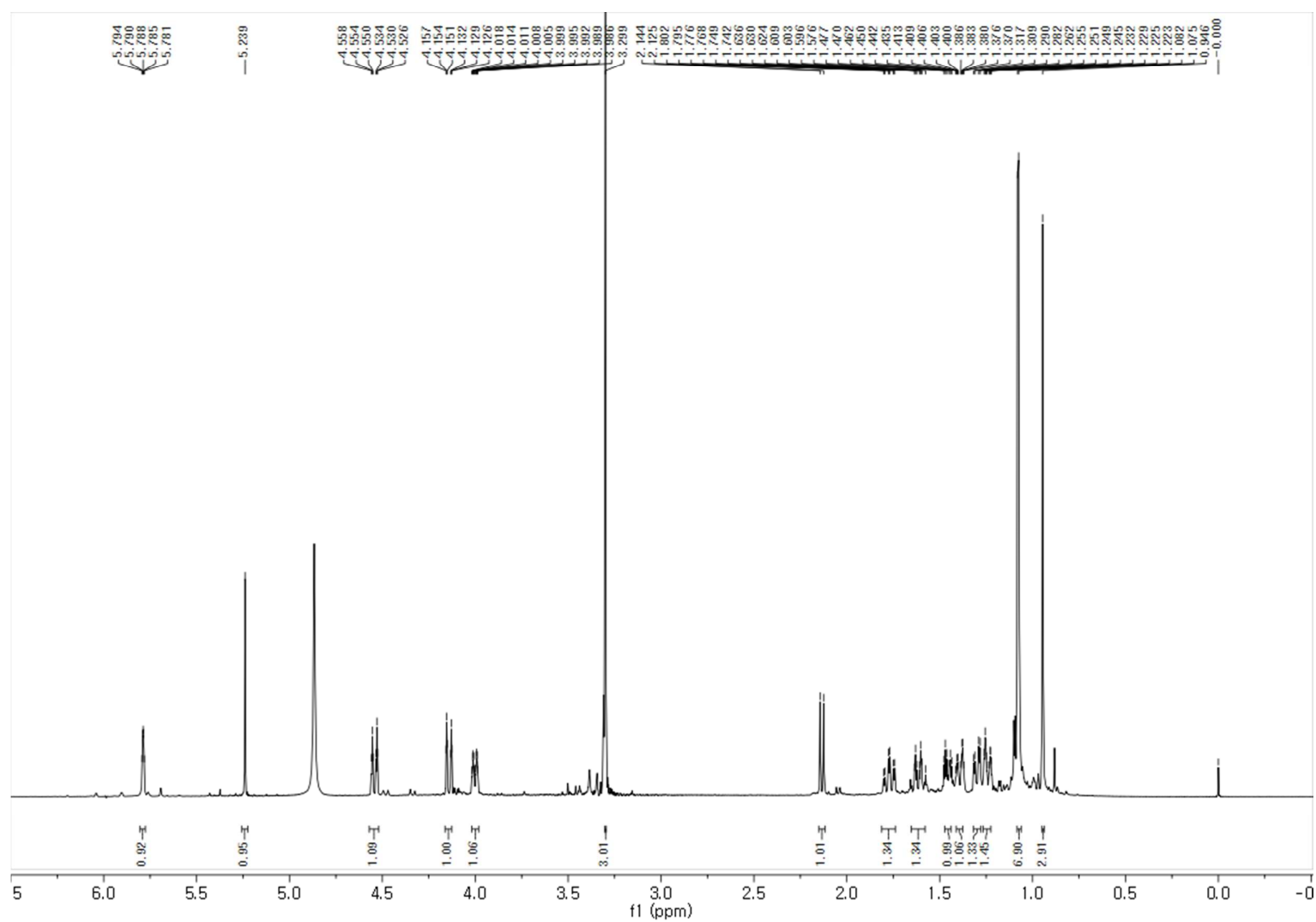
Mass	Calc. Mass	mDa	PPM	DBE	Formula	H-FIT	C	H	N	O
267.1583	267.1596	-1.3	-1.9	4.5	C ₁₅ H ₂₃ O ₄	5546136.0	15	23	4	

JY2-153-2(-) 164 (2.046)

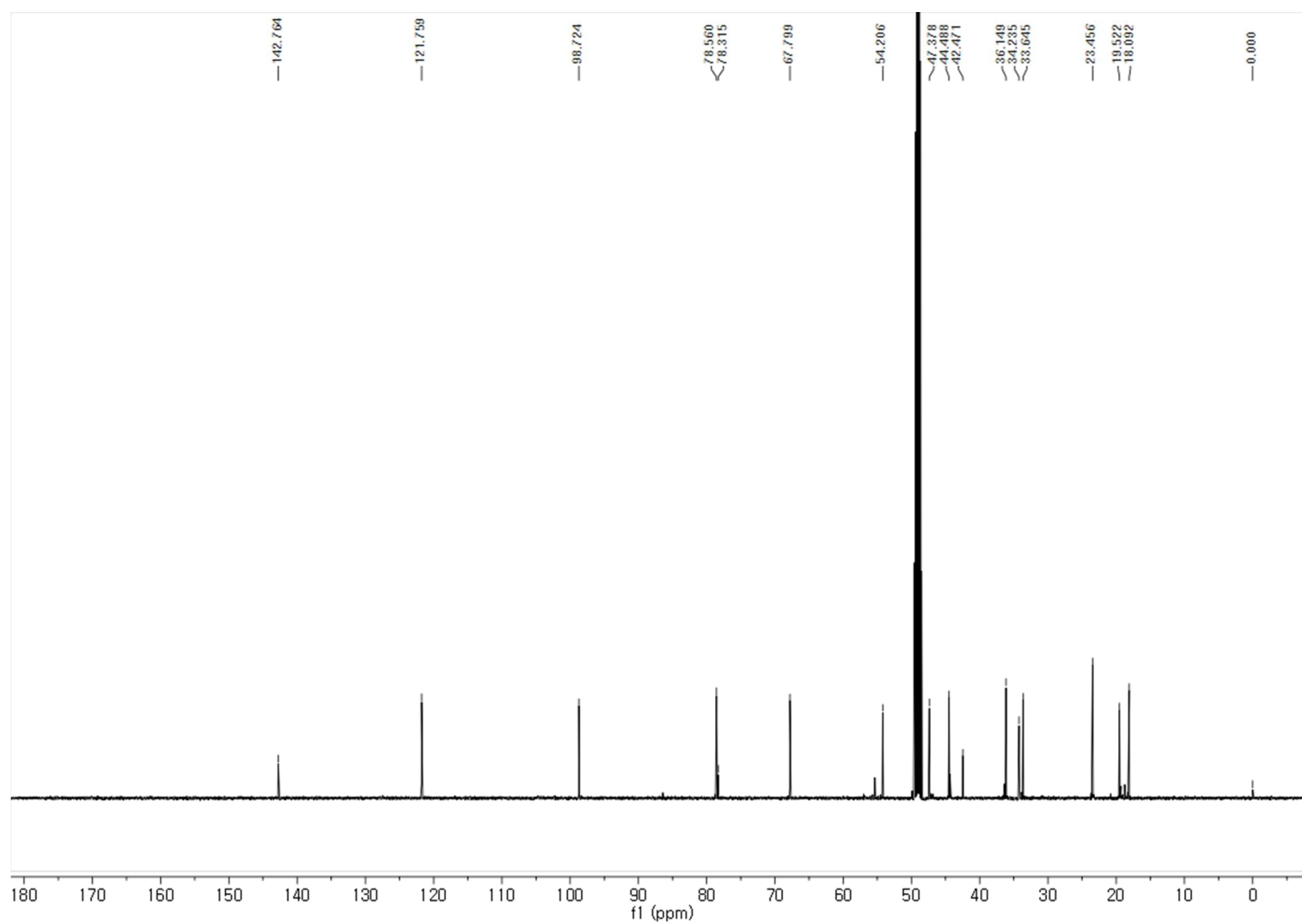
1: TOF MS ES-



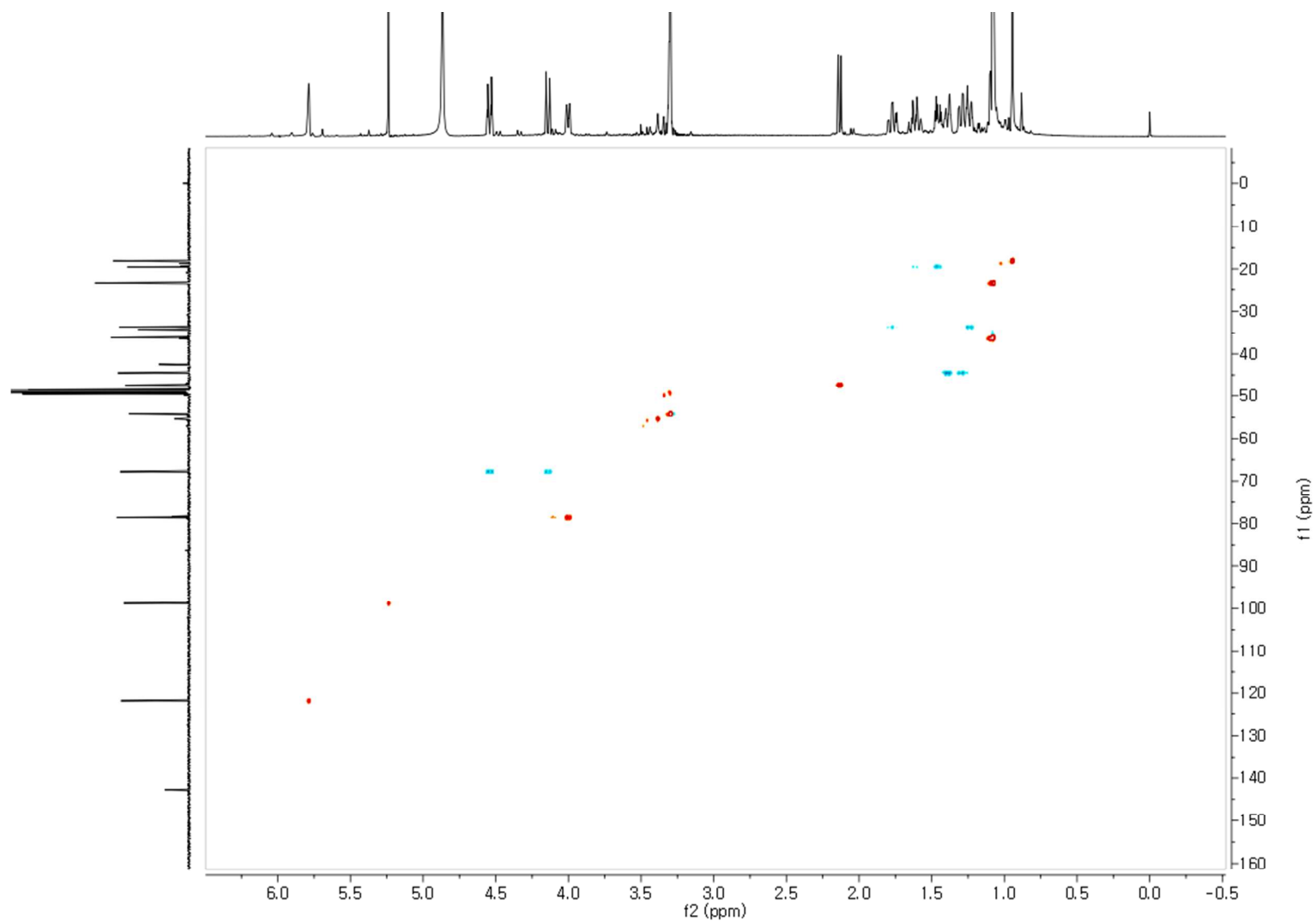
S8. ^1H NMR spectrum (500 MHz) of 6-*epi*-*O*-methyl-pereniporin A (**2**) in CD_3OD .



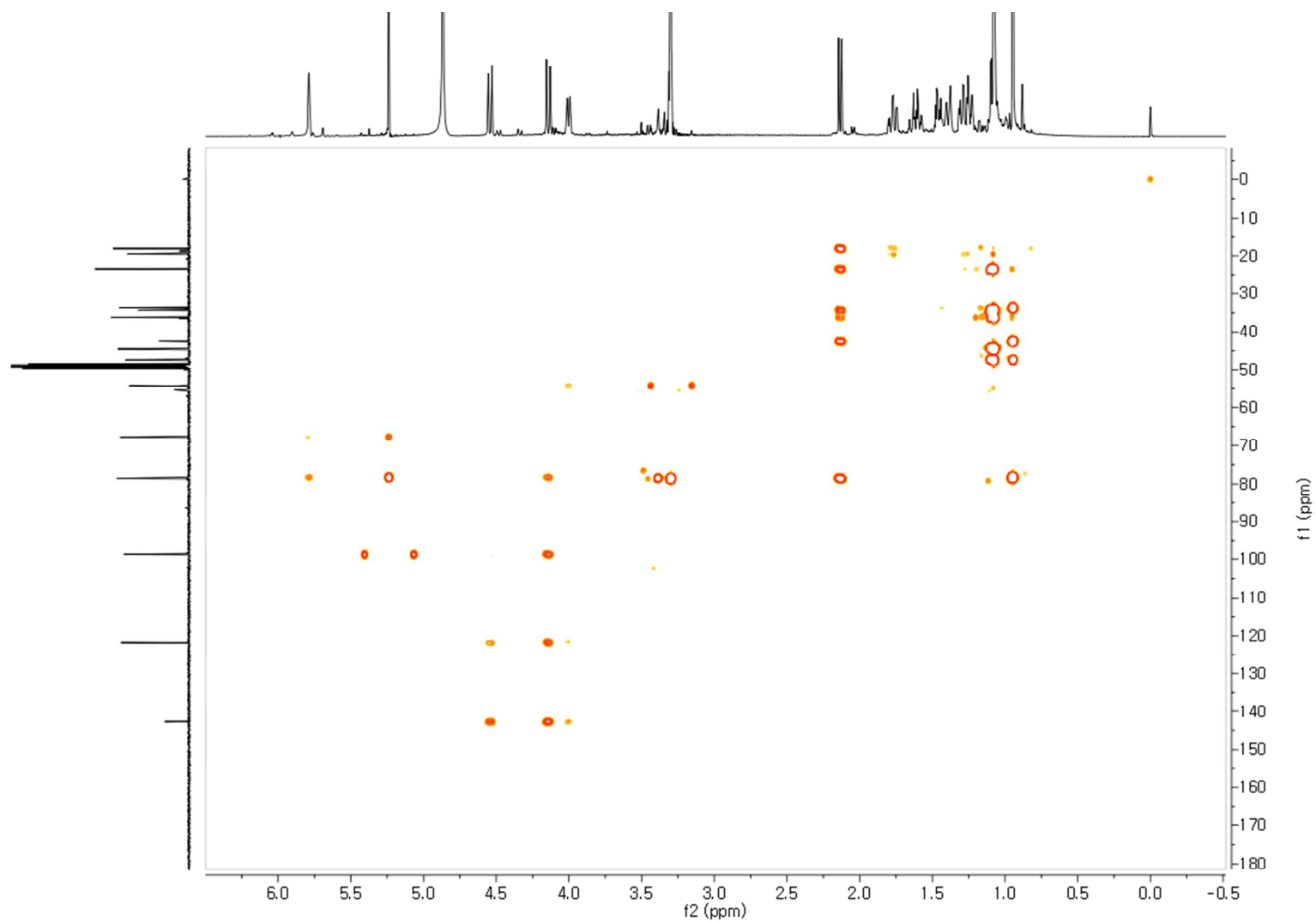
S9. ^{13}C NMR spectrum (125 MHz) of 6-*epi*-*O*-methyl-pereniporin A (**2**) in CD_3OD .



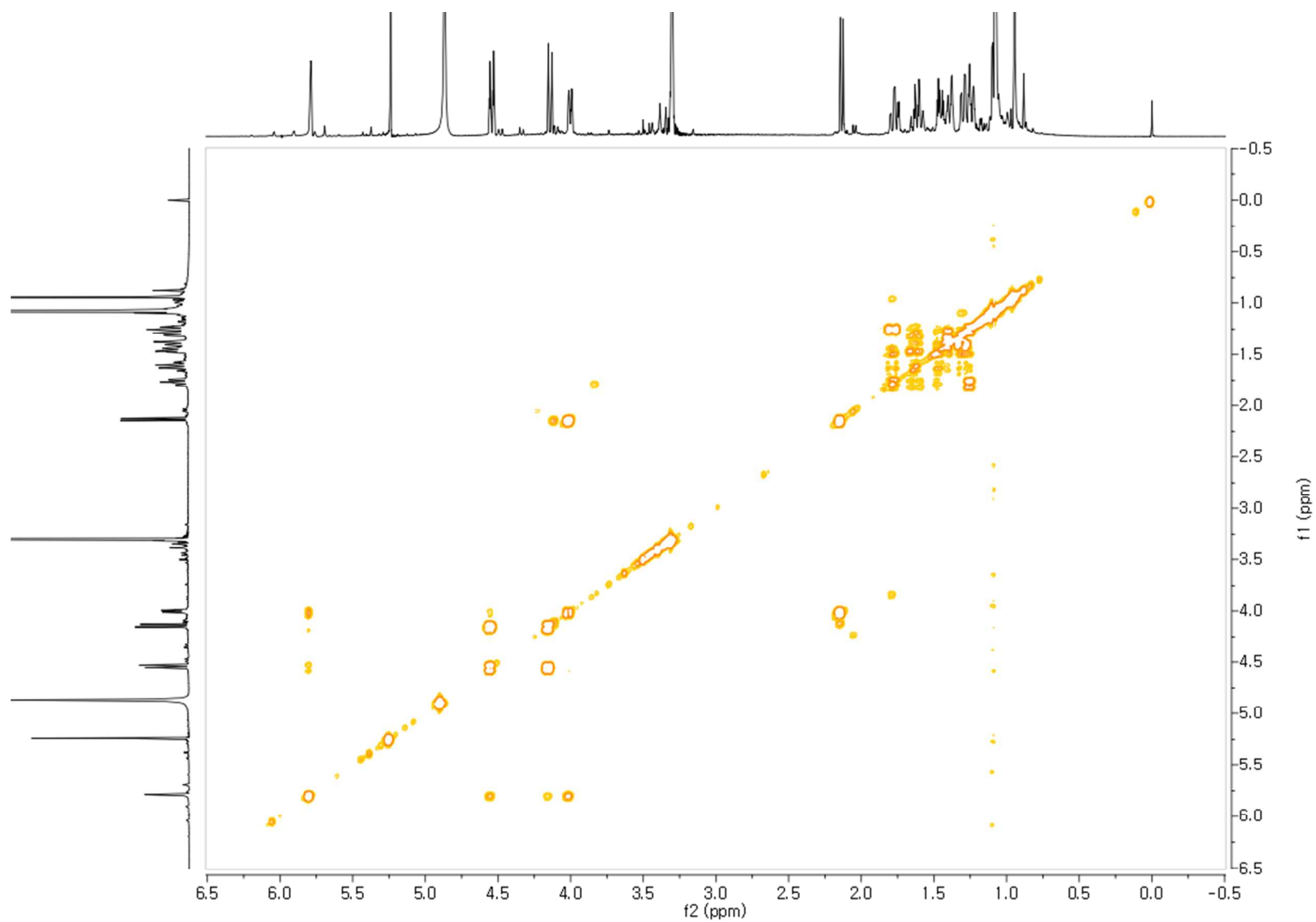
S10. HSQC NMR spectrum of 6-*epi*-*O*-methyl-pereniporin A (**2**) in CD₃OD.



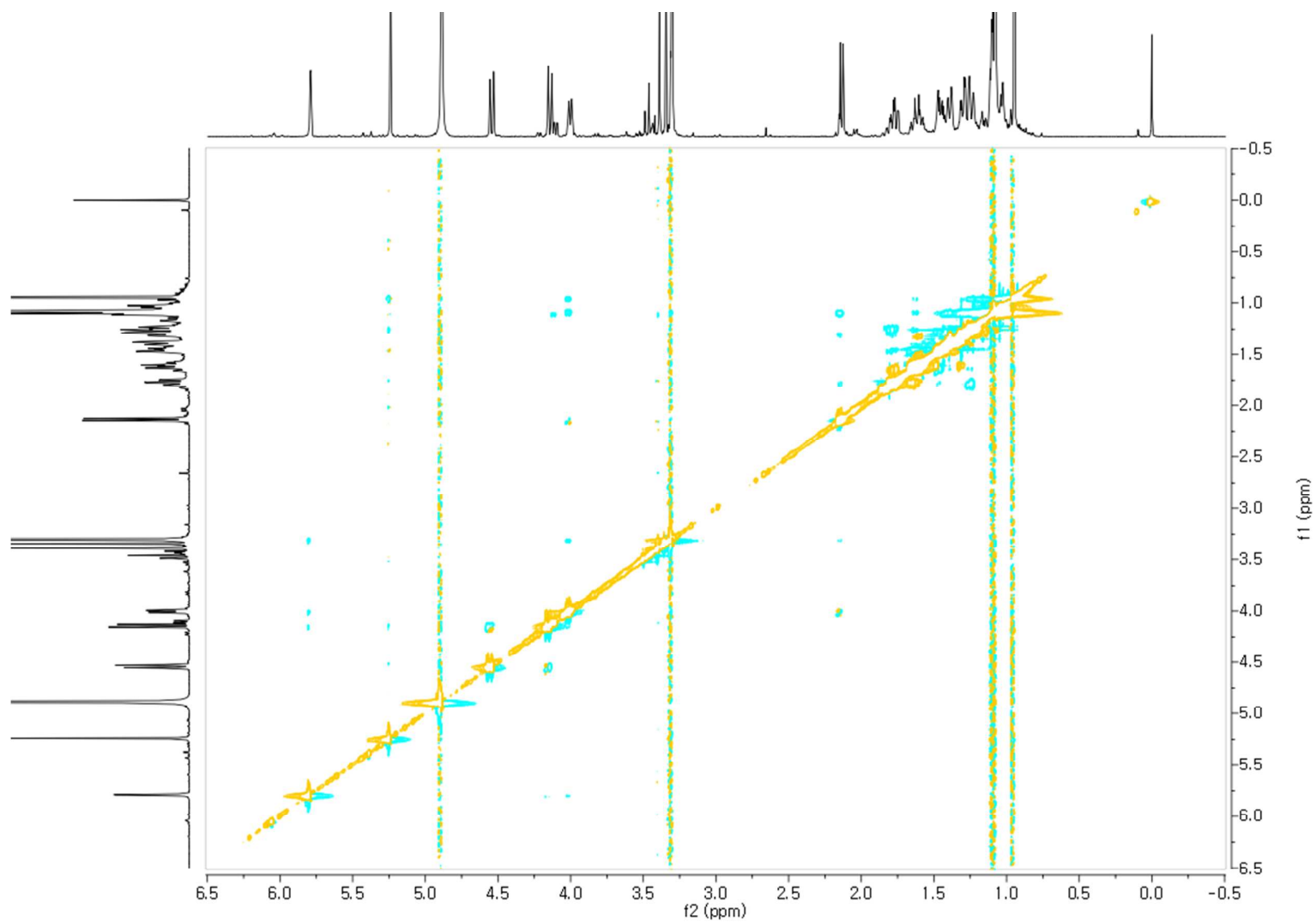
S11. HMBC NMR spectrum of 6-*epi*-*O*-methyl-pereniporin A (**2**) in CD₃OD.



S12. COSY NMR spectrum of 6-*epi*-*O*-methyl-pereniporin A (**2**) in CD₃OD.



S13. NOESY NMR spectrum of 6-*epi*-*O*-methyl-pereniporin A (**2**) in CD₃OD.



S14. HRESIMS spectrum of 6-*epi*-*O*-methyl-pereniporin A (2).

Tolerance = 10.0 PPM / DBE: min = -1.5, max = 50.0

Selected filters: None

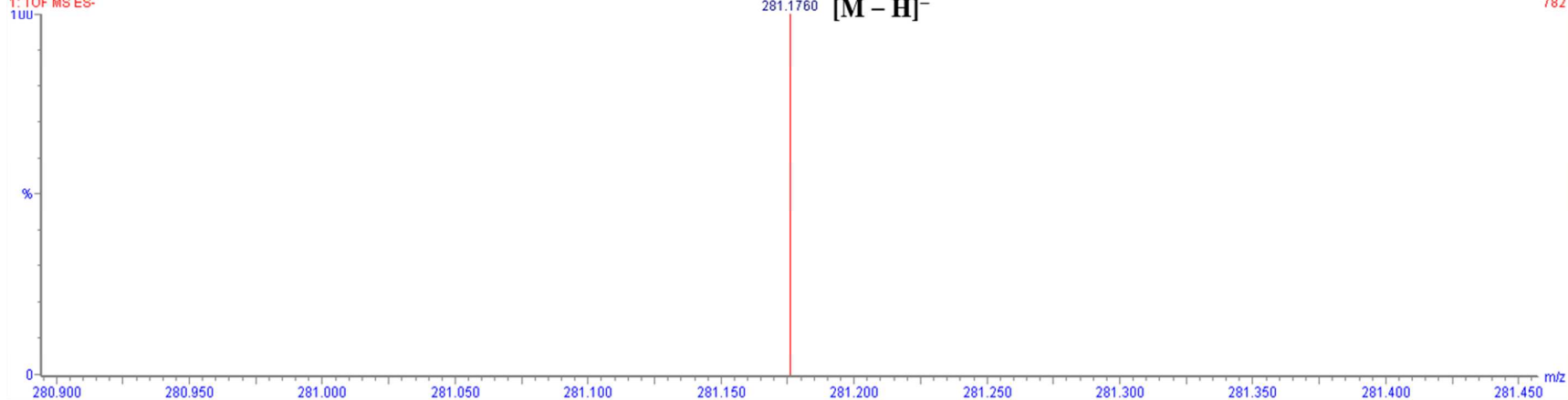
Monoisotopic Mass, Even Electron Ions

181 formula[e] evaluated with 1 results within limits (up to 50 best isotopic matches for each mass)

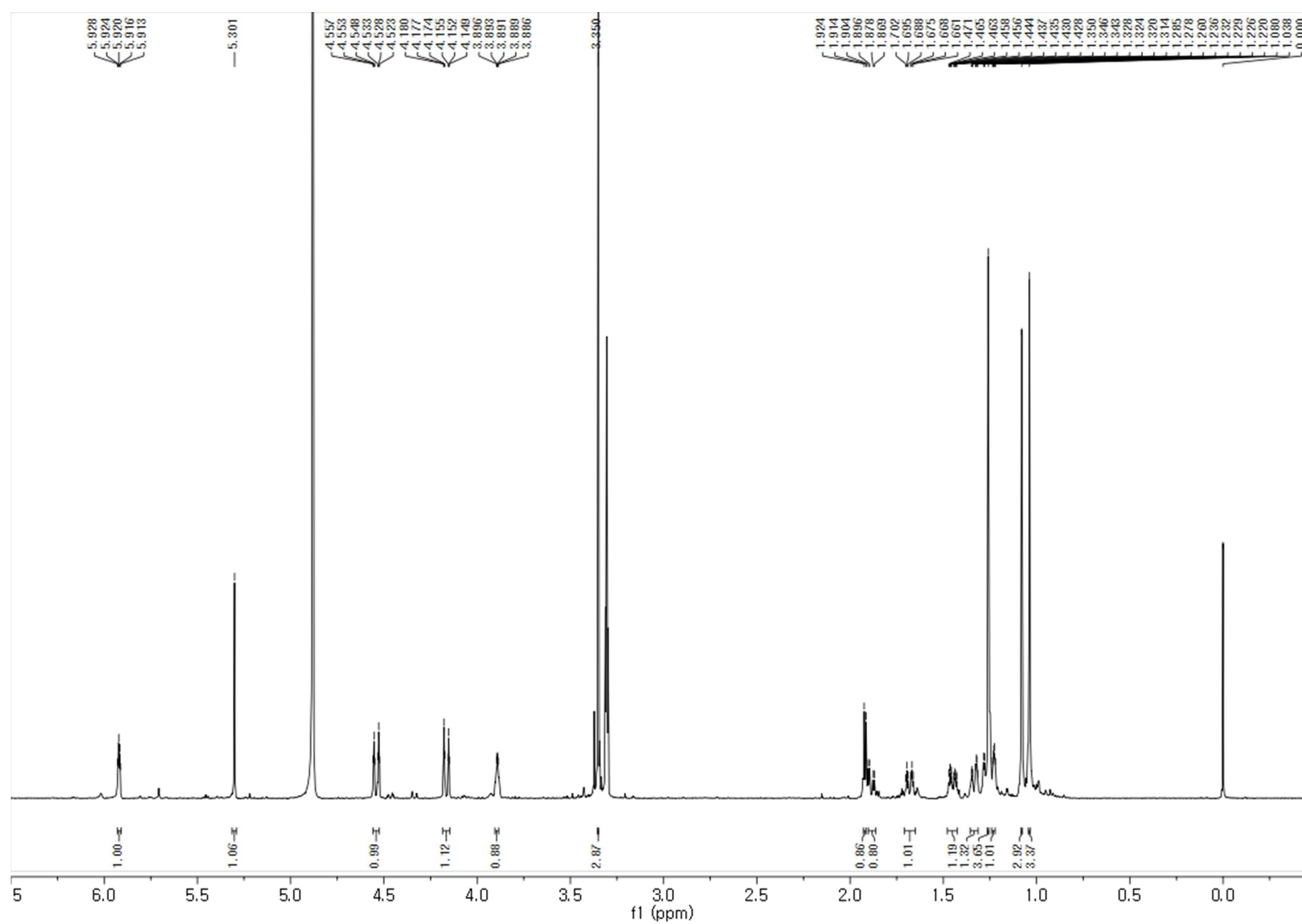
Mass	Calc. Mass	mDa	PPM	DBE	Formula	H-FIT	C	H	N	O
281.1760	281.1753	0.7	2.5	4.5	C ₁₆ H ₂₅ O ₄	5546396.5	16	25	4	

JY2-153-7(-) 215 (2.677) Cm (212:217)

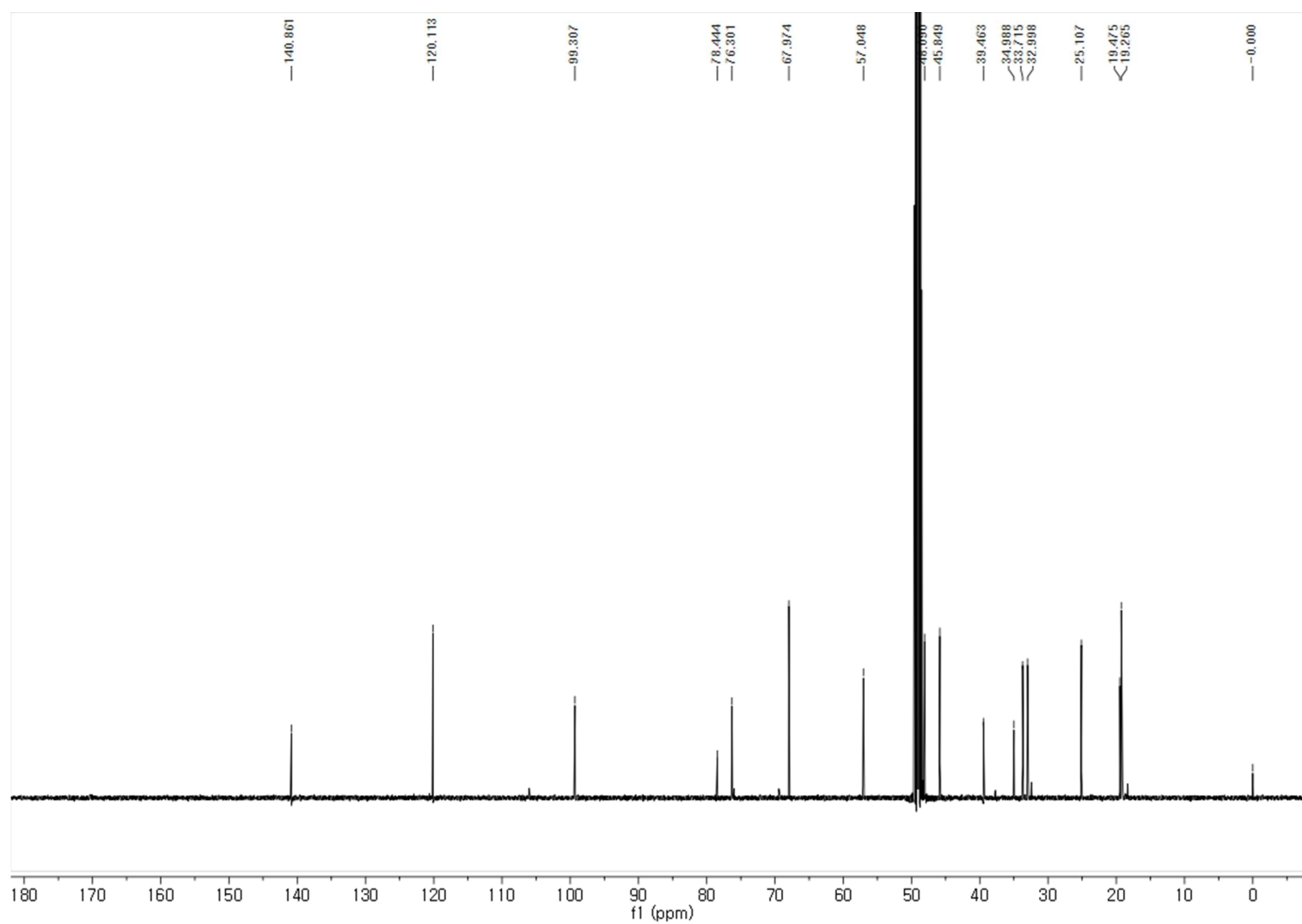
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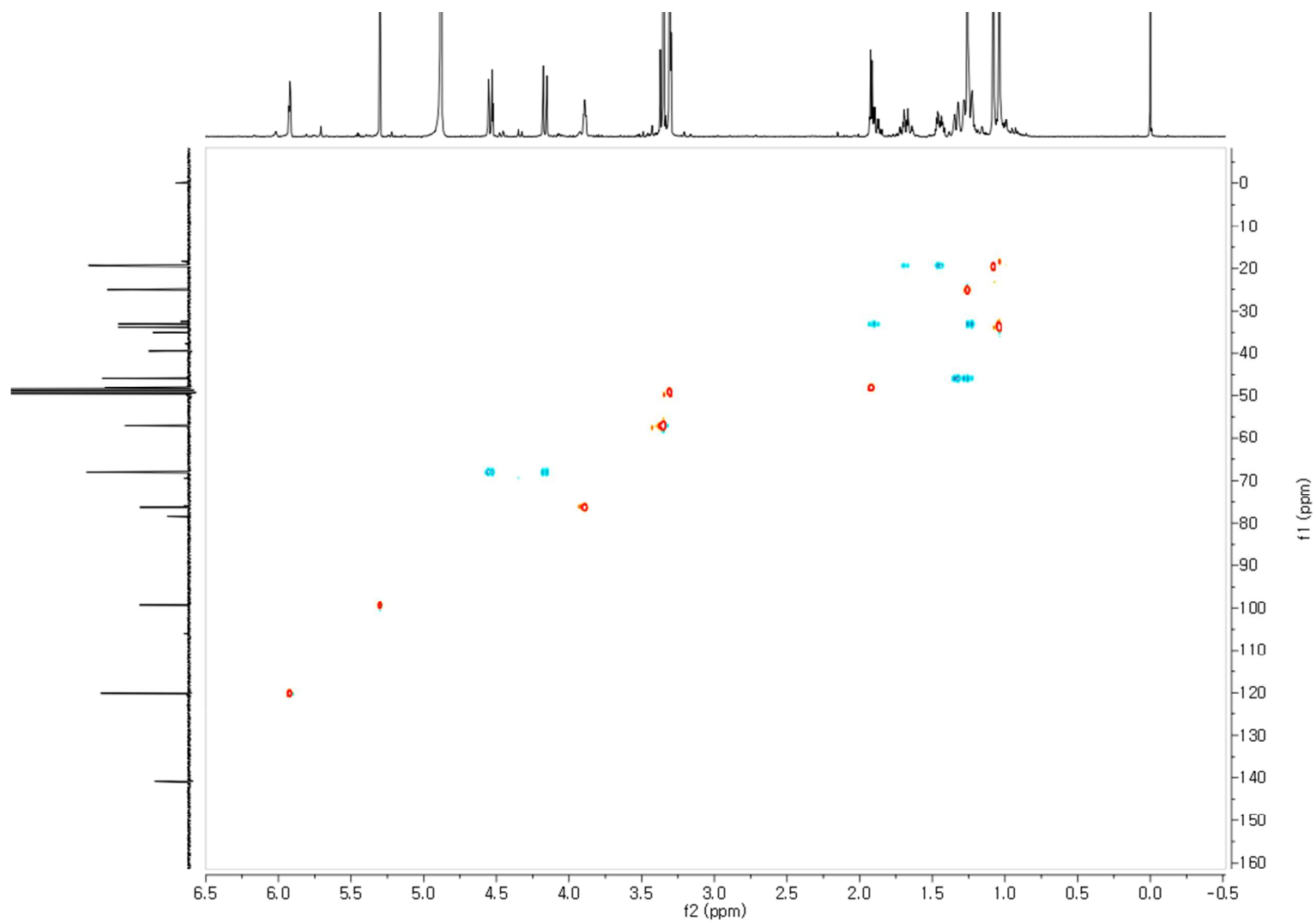
S15. ^1H NMR spectrum (500 MHz) of 6-*O*-methyl-pereniporin A (**3**) in CD_3OD .



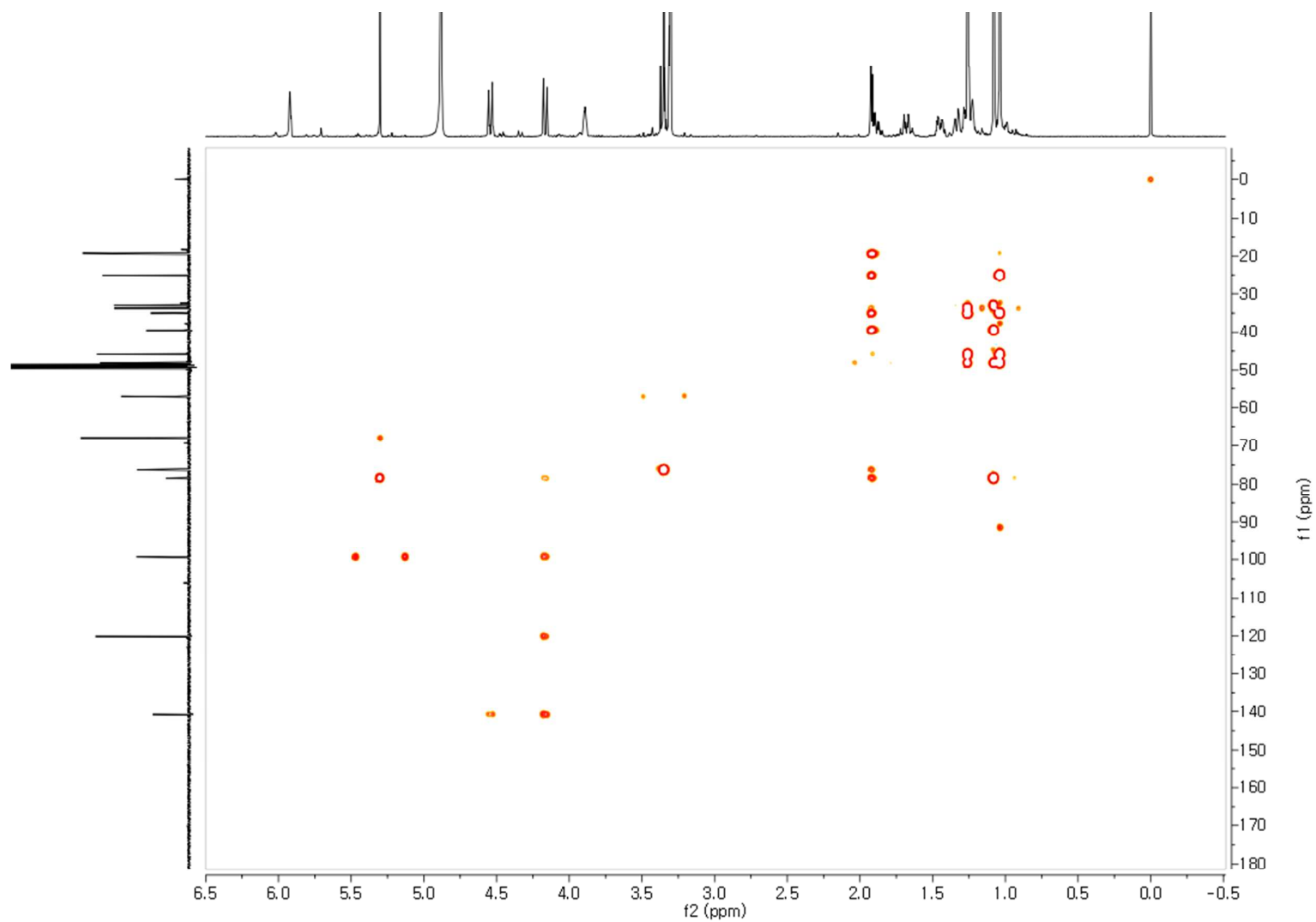
S16. ^{13}C NMR spectrum (125 MHz) of 6-*O*-methyl-pereniporin A (**3**) in CD_3OD .



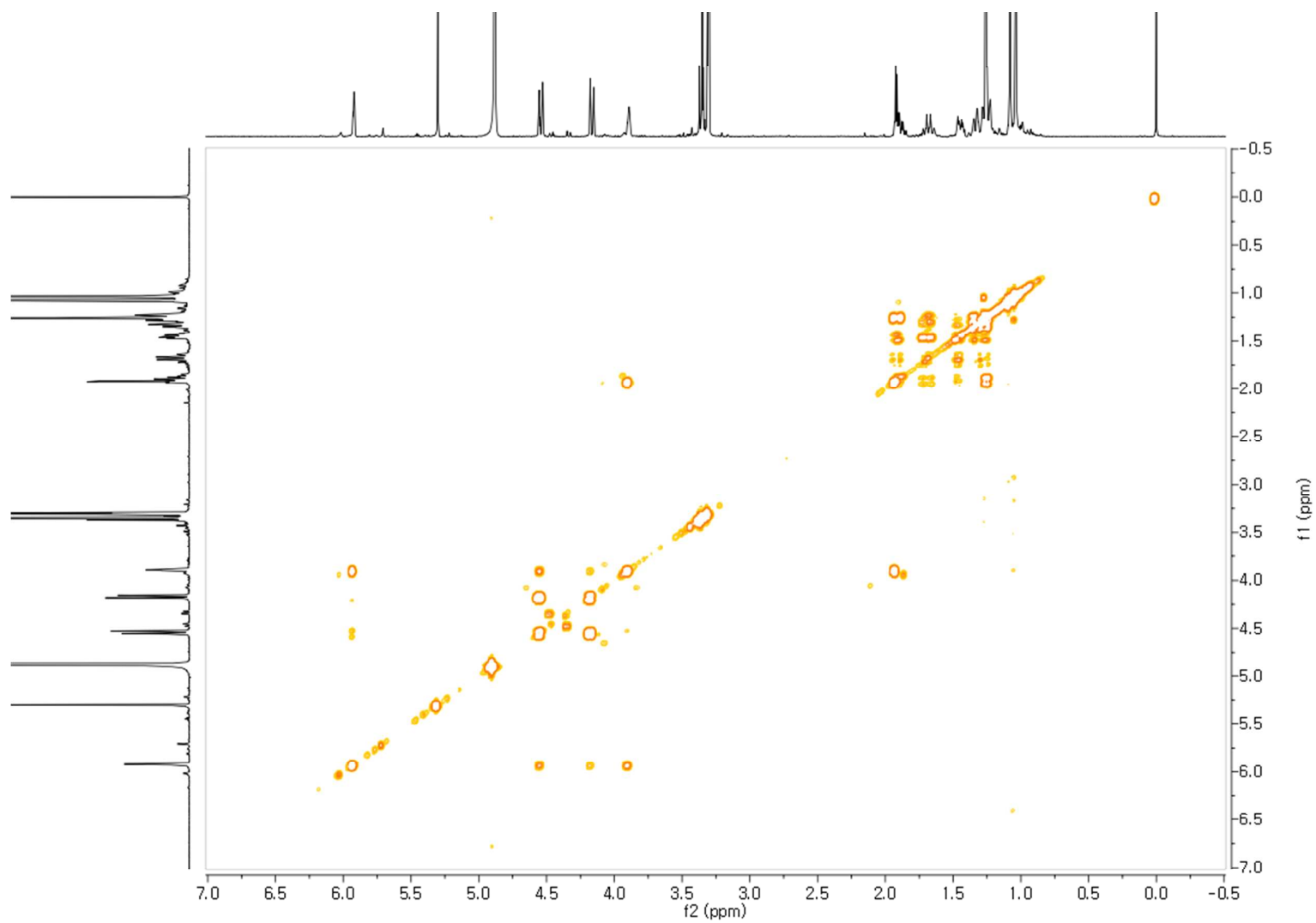
S17. HSQC NMR spectrum of 6-*O*-methyl-pereniporin A (**3**) in CD₃OD.



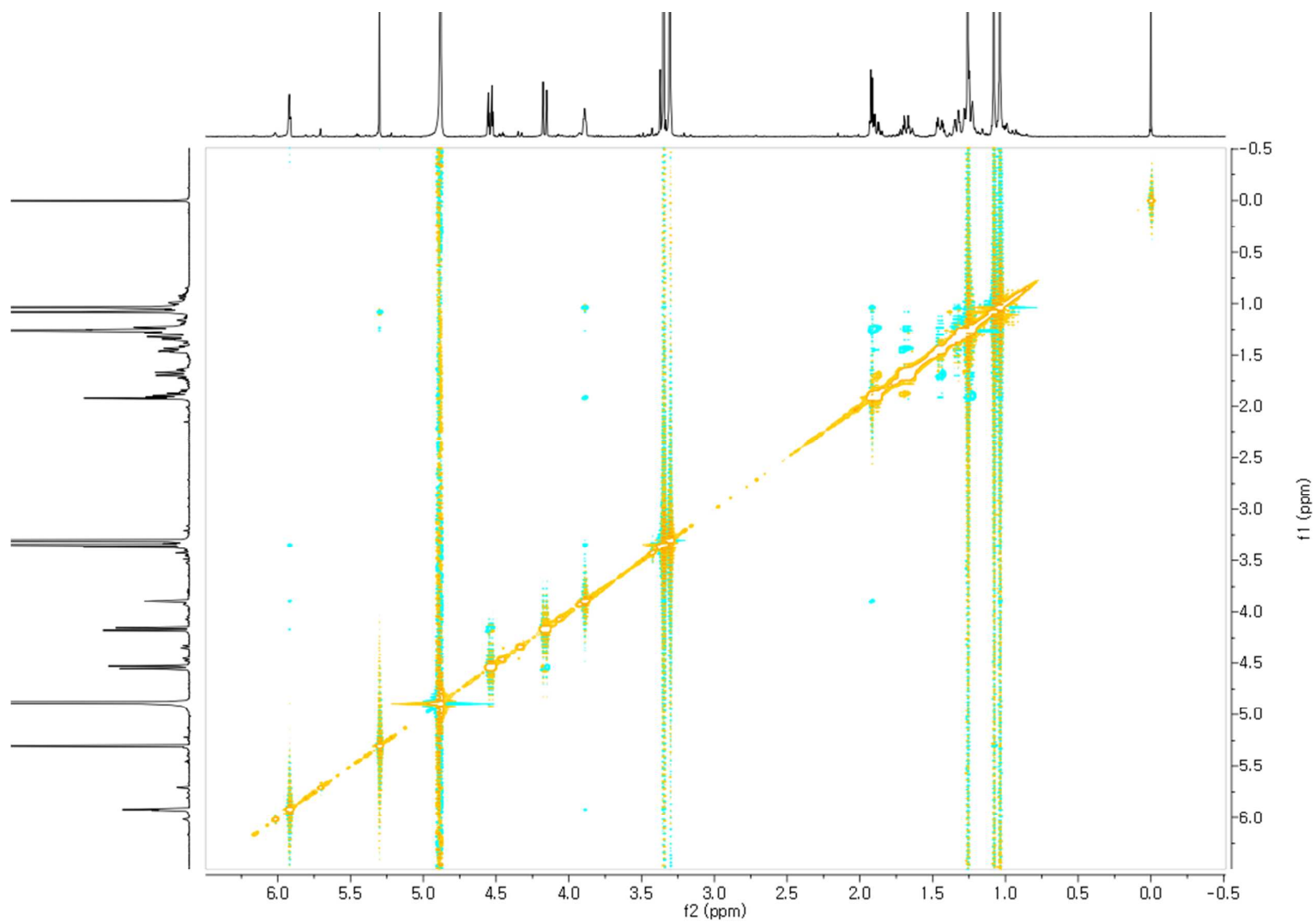
S18. HMBC NMR spectrum of 6-*O*-methyl-pereniporin A (**3**) in CD₃OD.



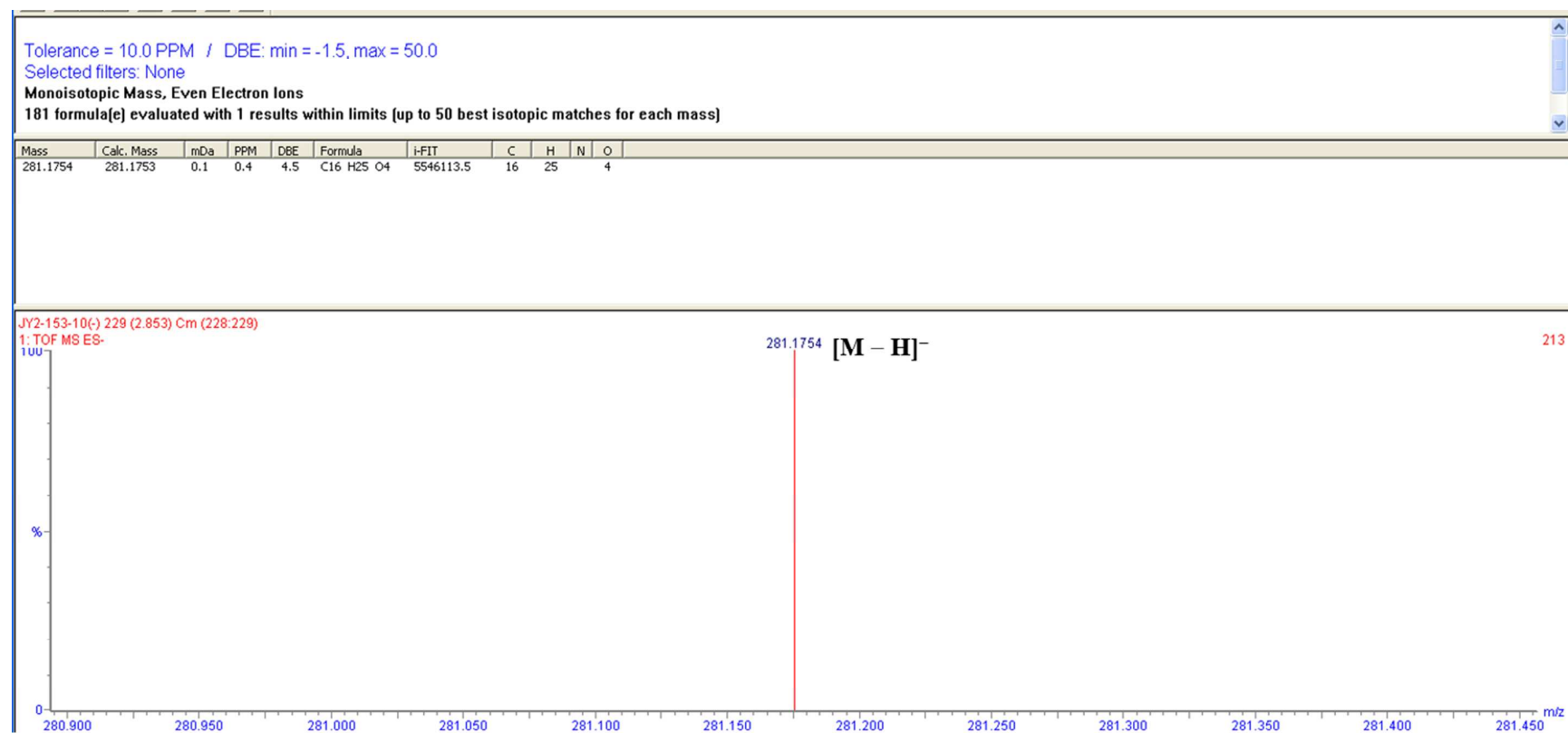
S19. COSY NMR spectrum of 6-*O*-methyl-pereniporin A (**3**) in CD₃OD.



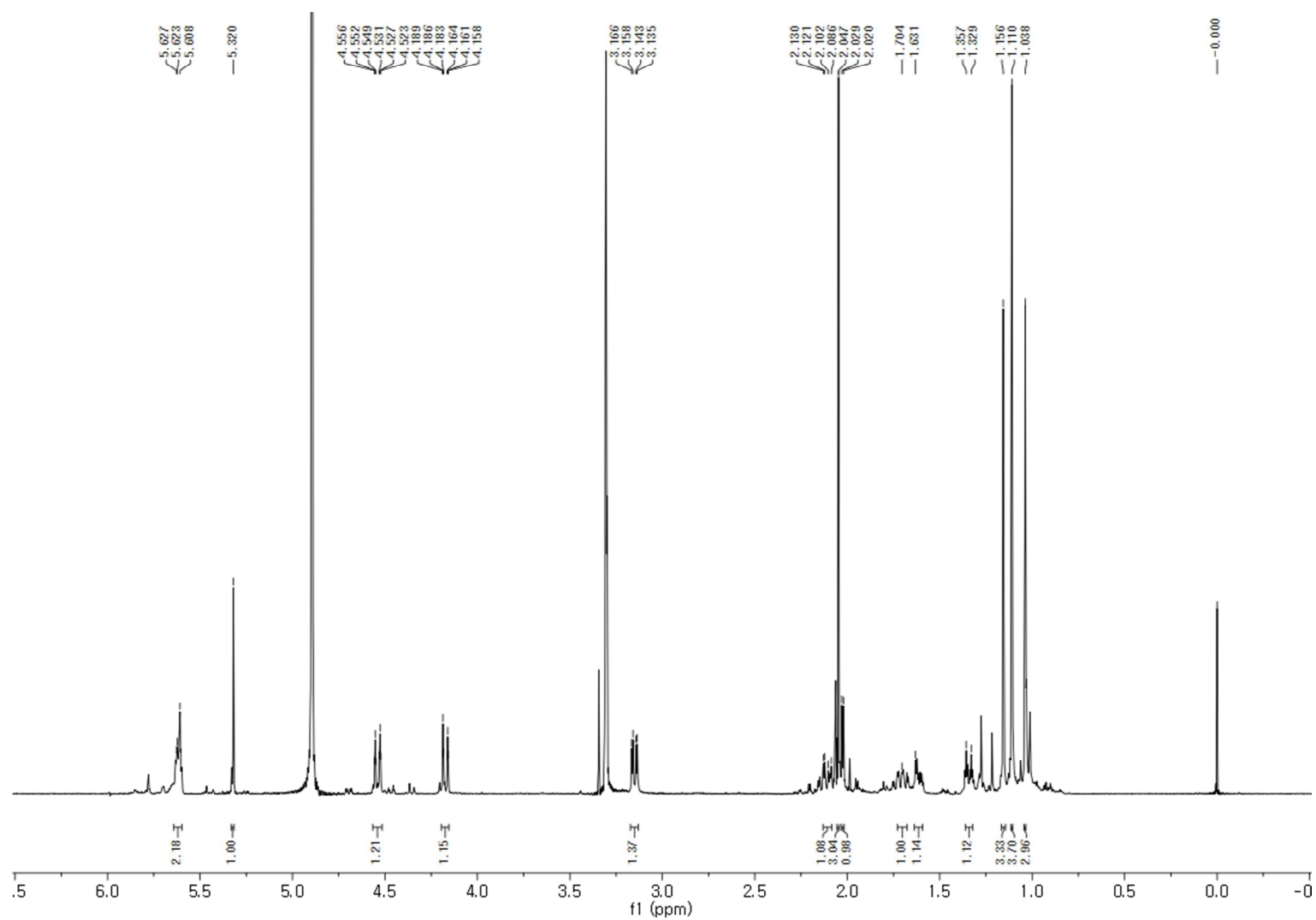
S20. NOESY NMR spectrum of 6-*O*-methyl-pereniporin A (**3**) in CD₃OD.



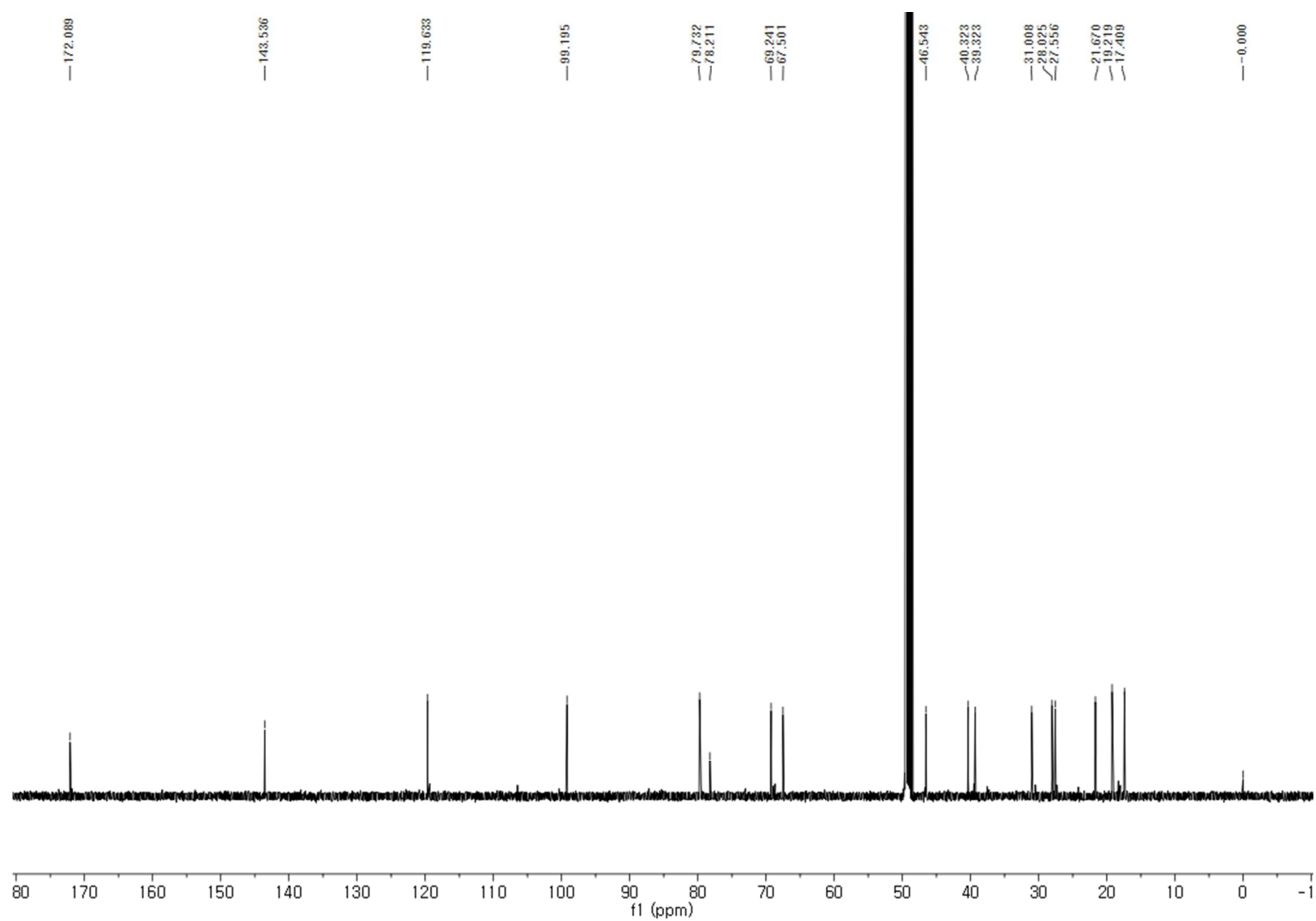
S21. HRESIMS spectrum of 6-*O*-methyl-pereniporin A (**3**).



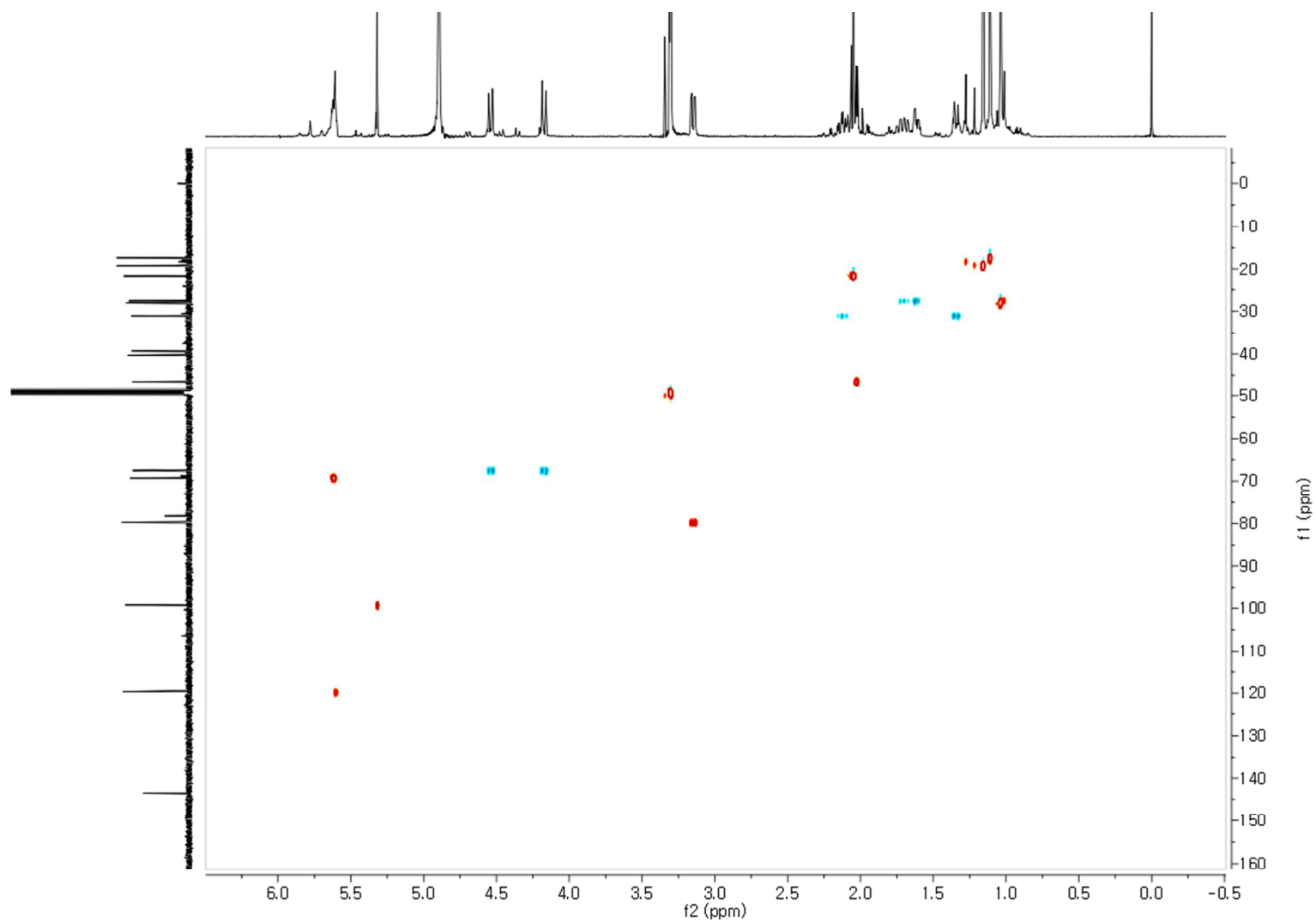
S22. ^1H NMR spectrum (500 MHz) of 3 β -hydroxy-6-*O*-acetyl-pereniporin A (**4**) in CD_3OD .



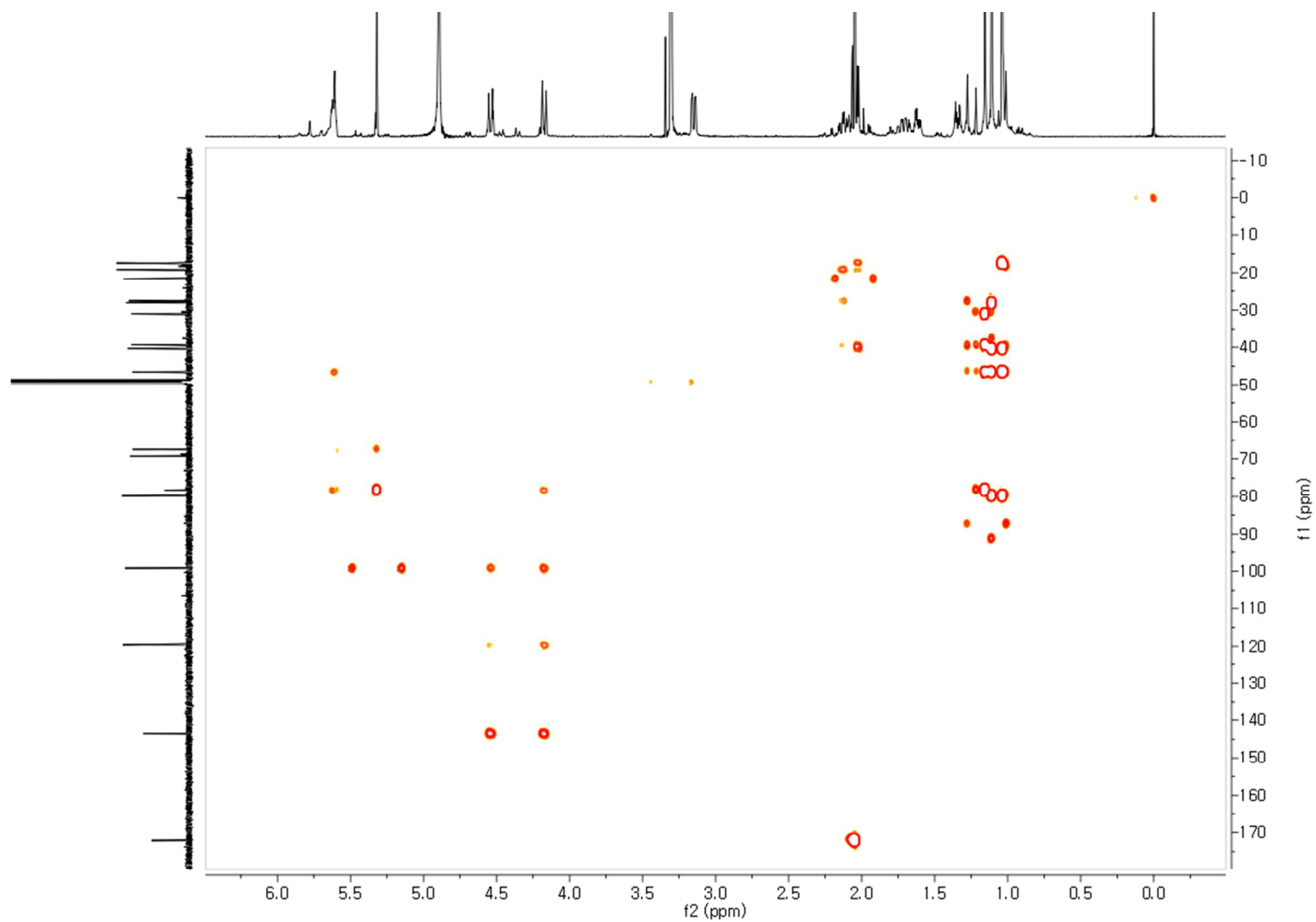
S23. ^{13}C NMR spectrum (125 MHz) of 3 β -hydroxy-6-*O*-acetyl-pereniporin A (**4**) in CD_3OD .



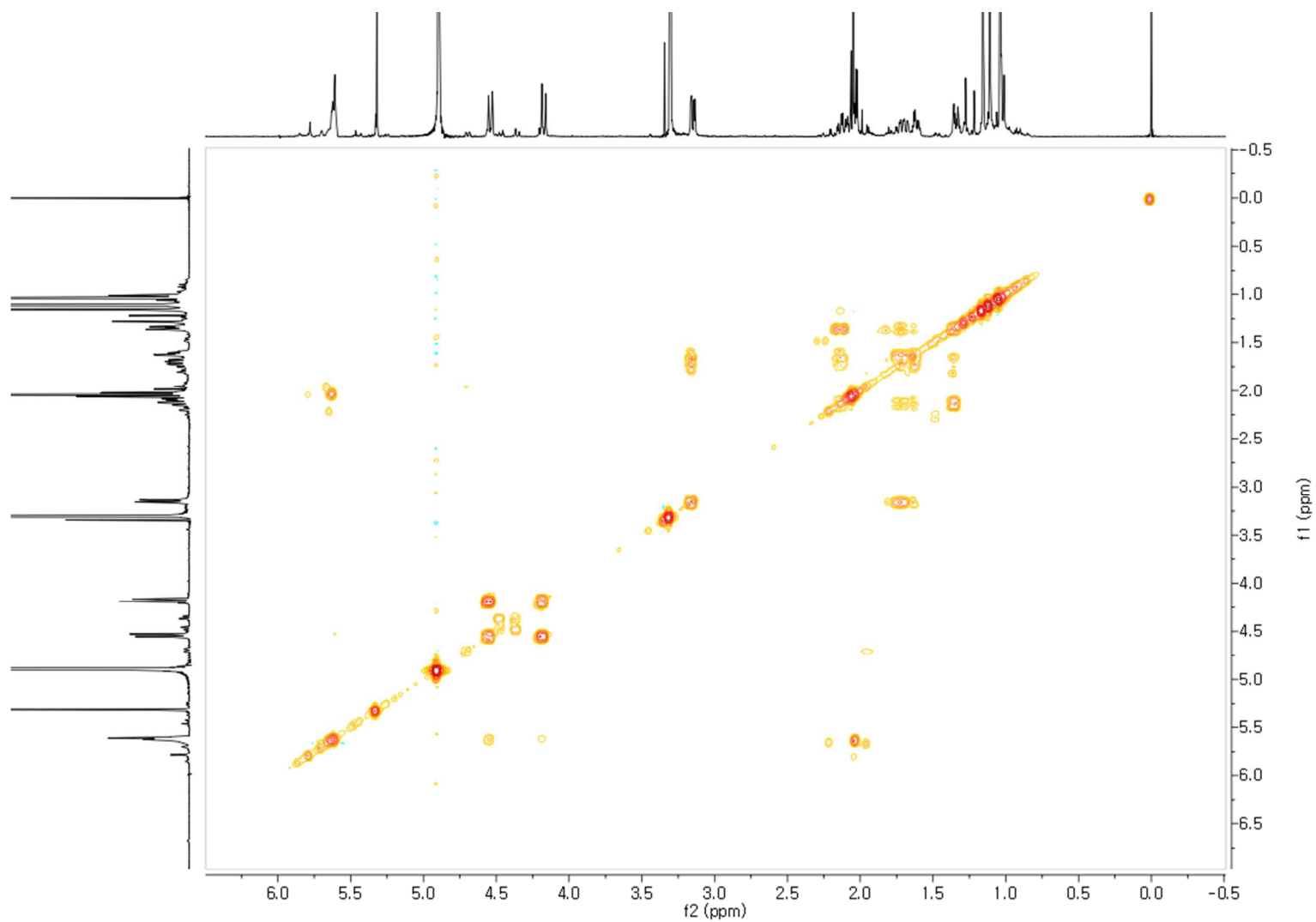
S24. HSQC NMR spectrum of 3 β -hydroxy-6-*O*-acetyl-pereniporin A (**4**) in CD₃OD.



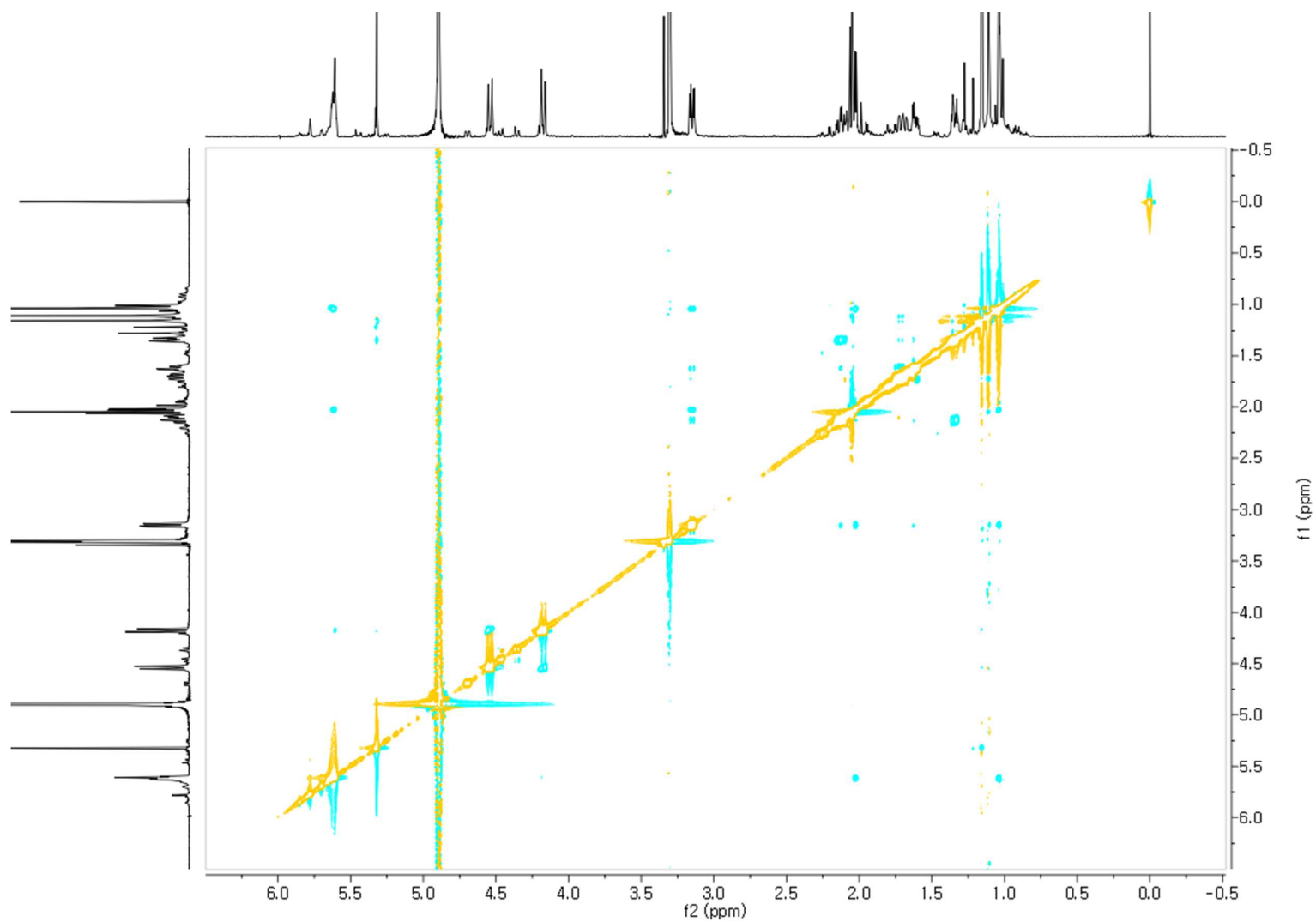
S25. HMBC NMR spectrum of 3 β -hydroxy-6-*O*-acetyl-pereniporin A (**4**) in CD₃OD.



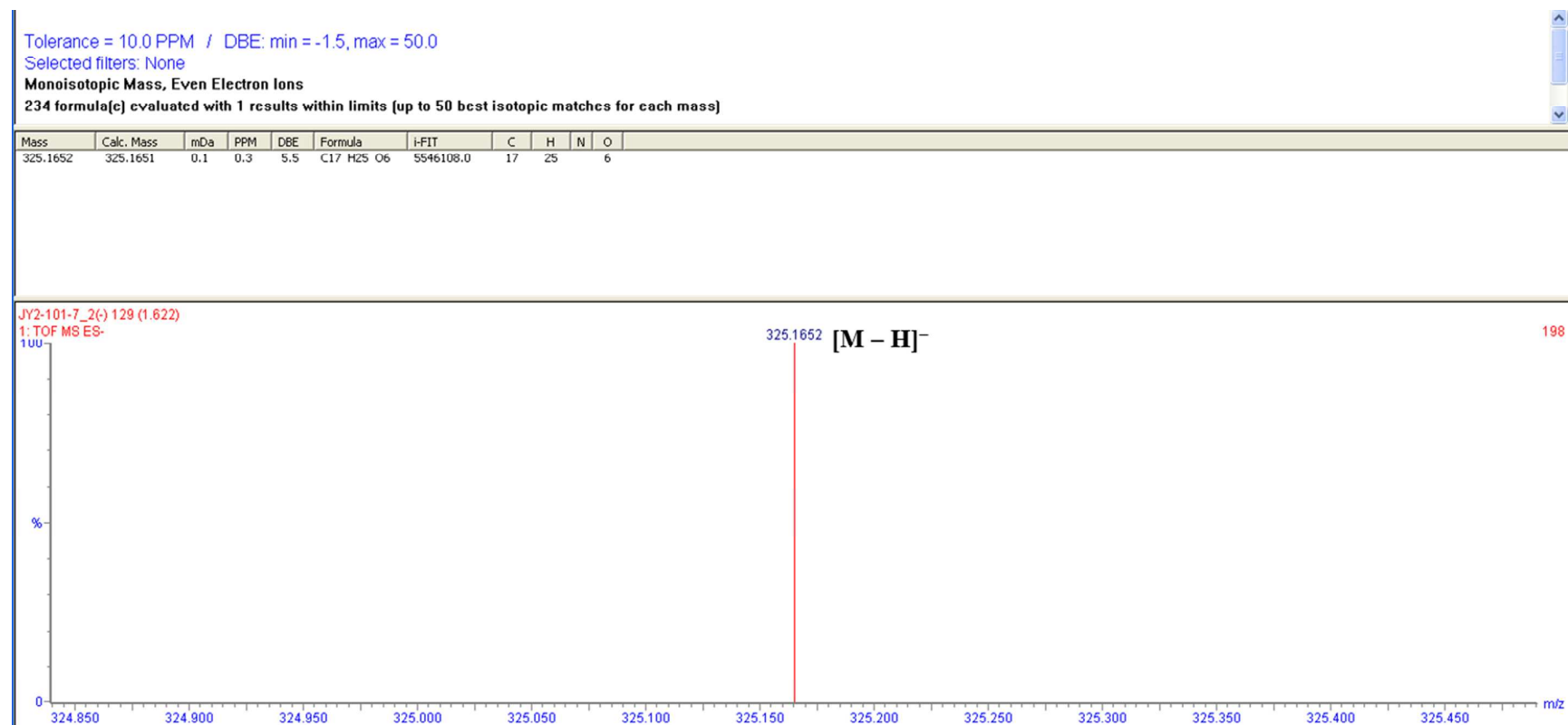
S26. COSY NMR spectrum of 3 β -hydroxy-6-*O*-acetyl-pereniporin A (**4**) in CD₃OD.



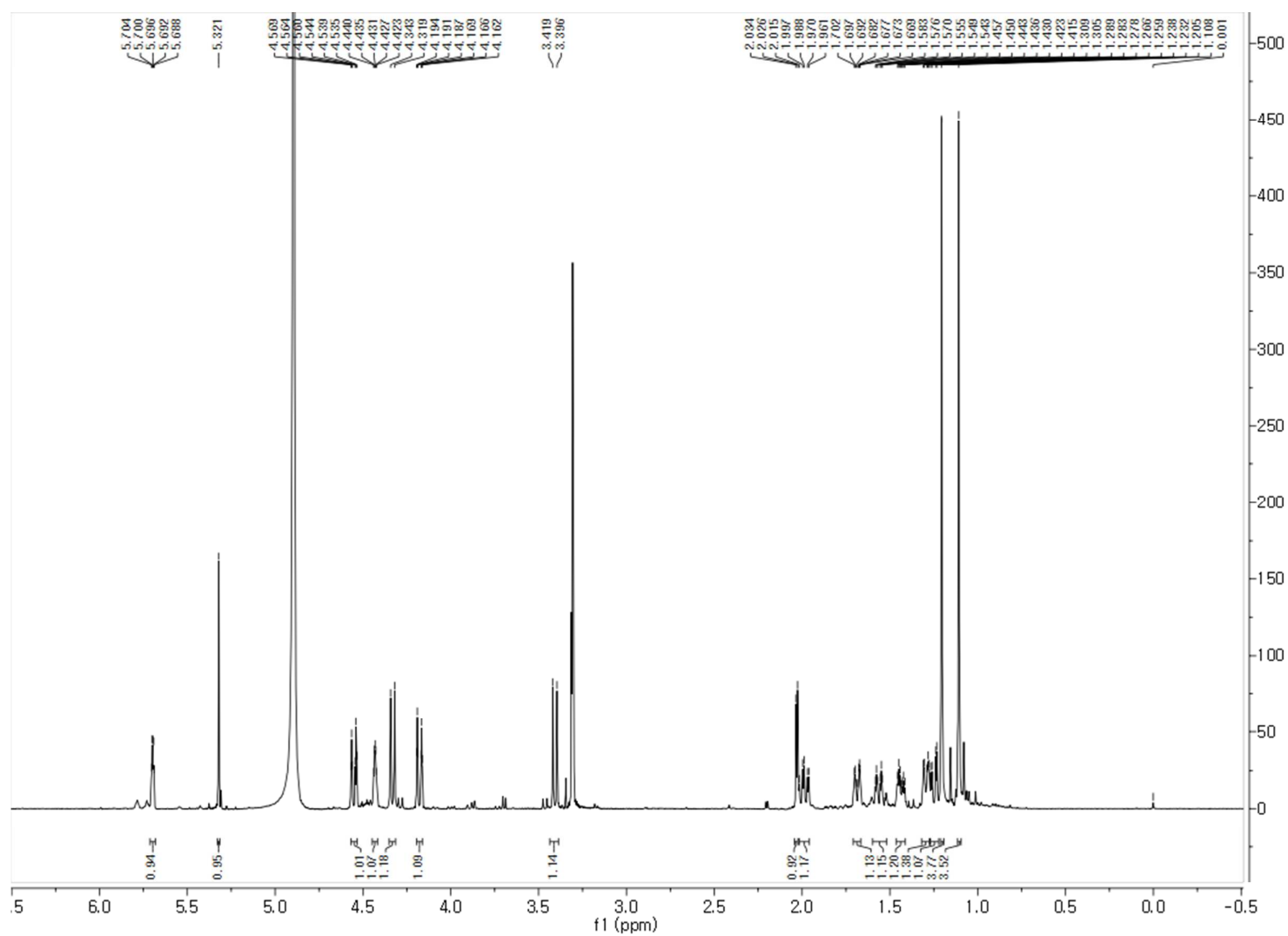
S27. NOESY NMR spectrum of 3 β -hydroxy-6-*O*-acetyl-pereniporin A (**4**) in CD₃OD.



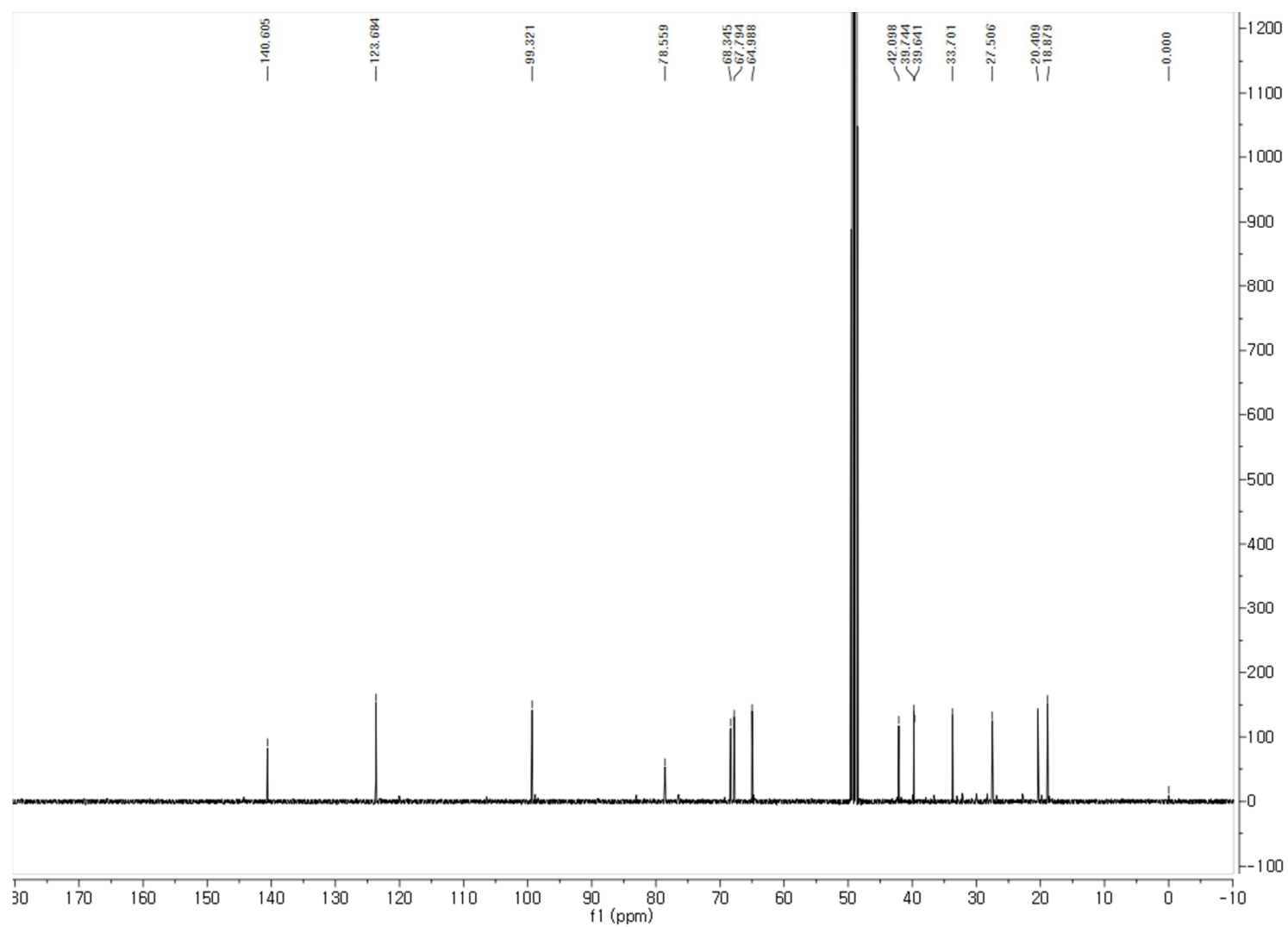
S28. HRESIMS spectrum of 3 β -hydroxy-6-*O*-acetyl-pereniporin A (**4**).



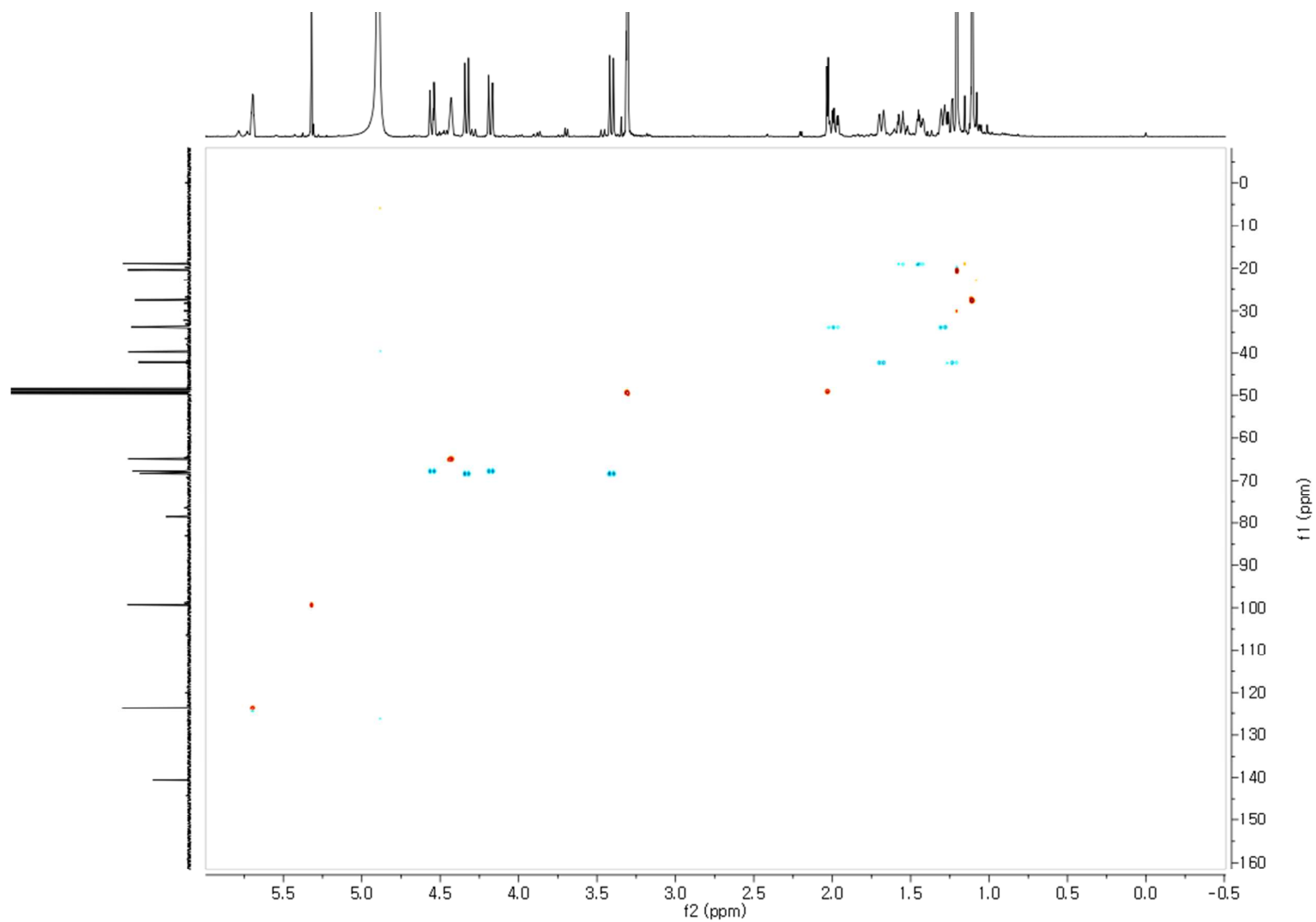
S29. ^1H NMR spectrum (500 MHz) of 13-hydroxypereniporin A (**5**) in CD_3OD .



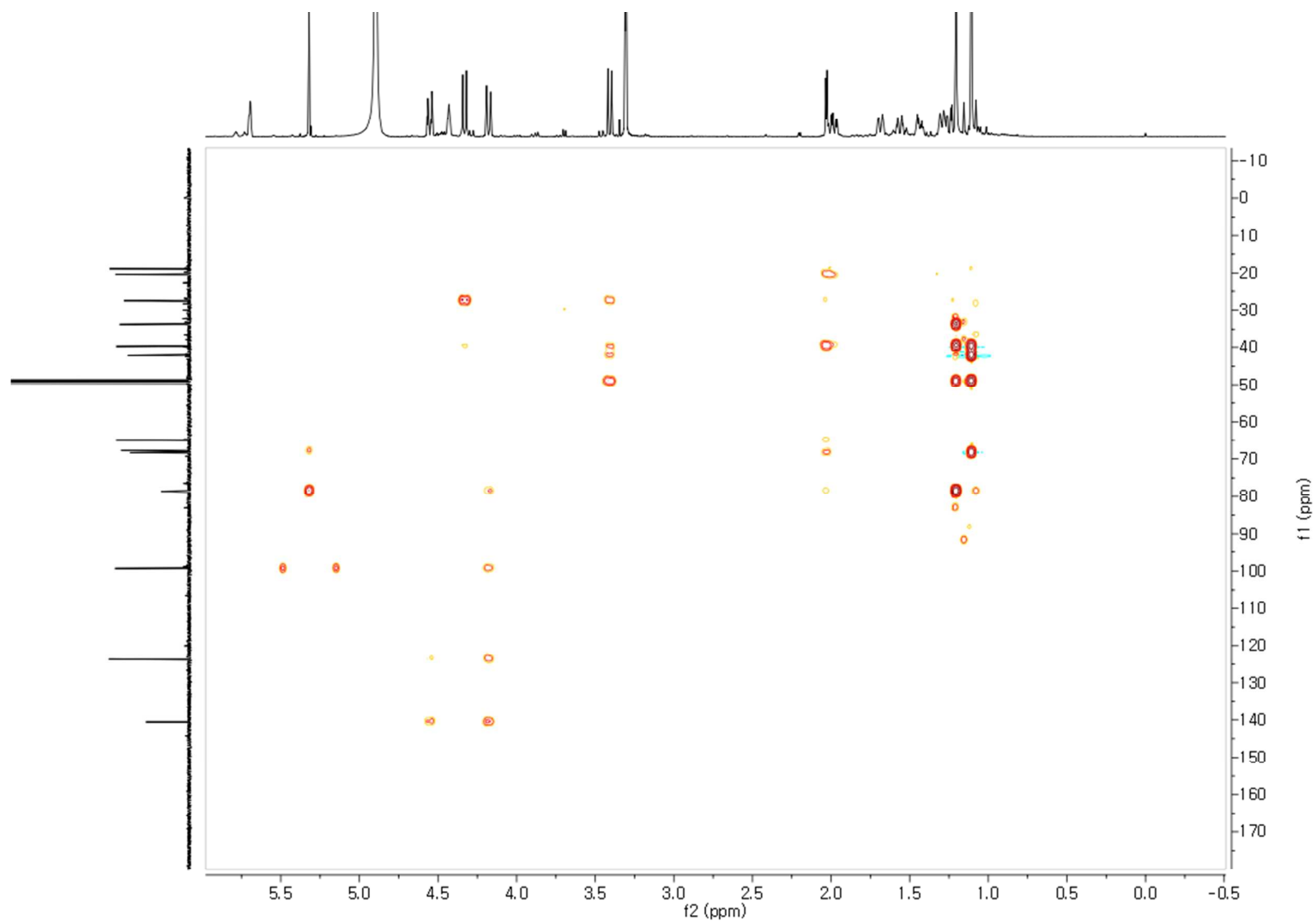
S30. ^{13}C NMR spectrum (125 MHz) of 13-hydroxypereniporin A (**5**) in CD_3OD .



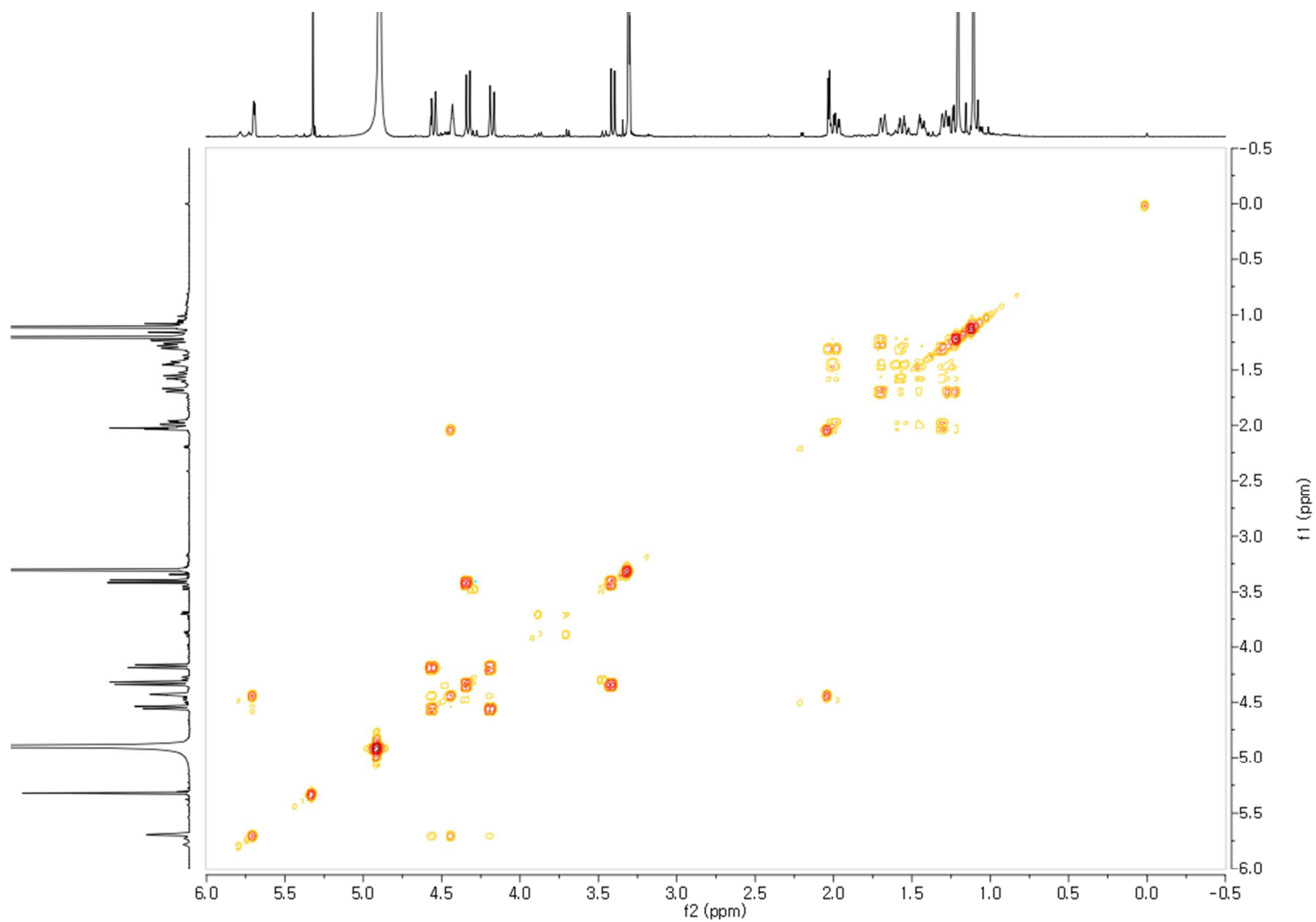
S31. HSQC NMR spectrum of 13-hydroxypereniporin A (**5**) in CD₃OD.



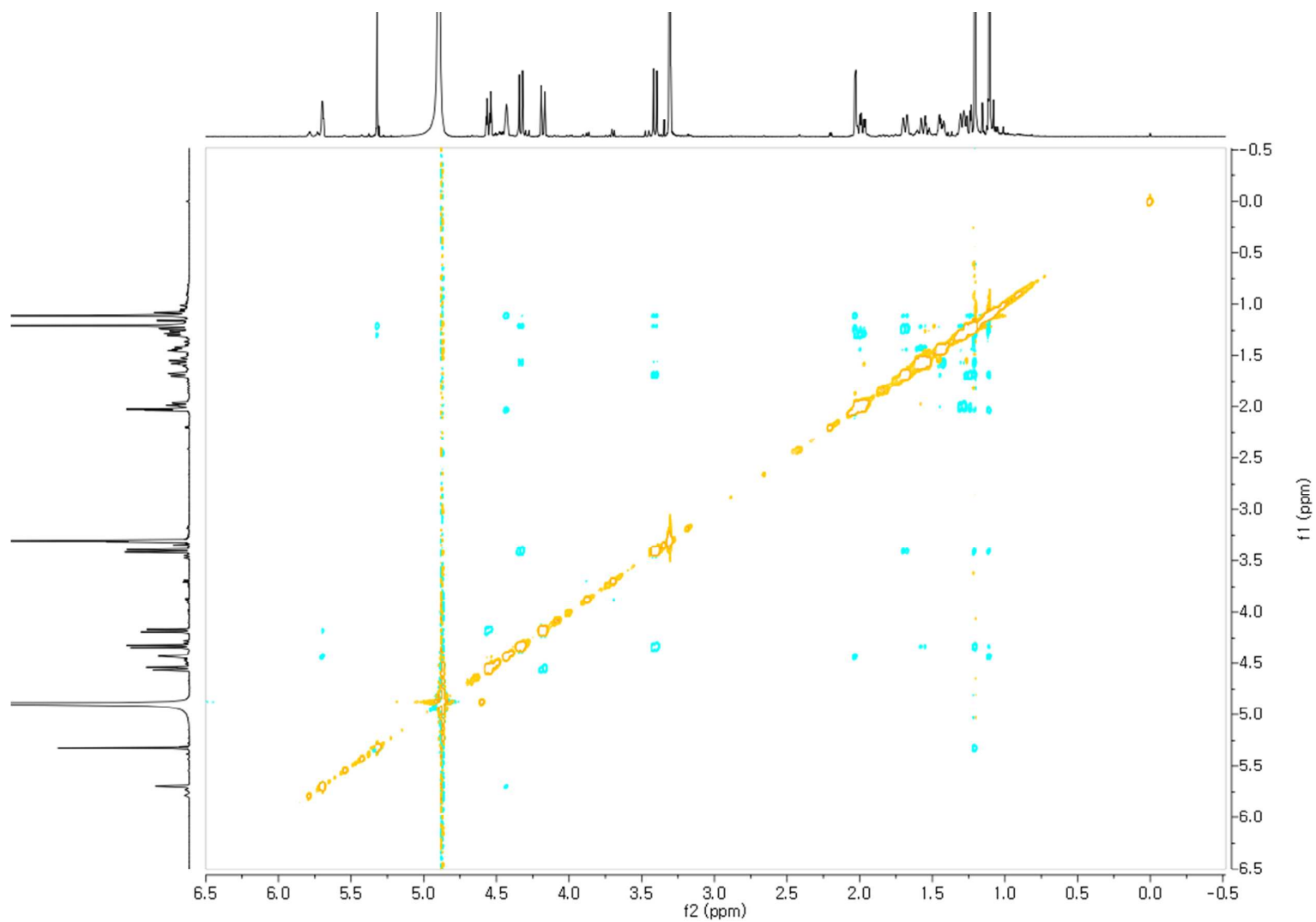
S32. HMBC NMR spectrum of 13-hydroxypereniporin A (**5**) in CD₃OD.



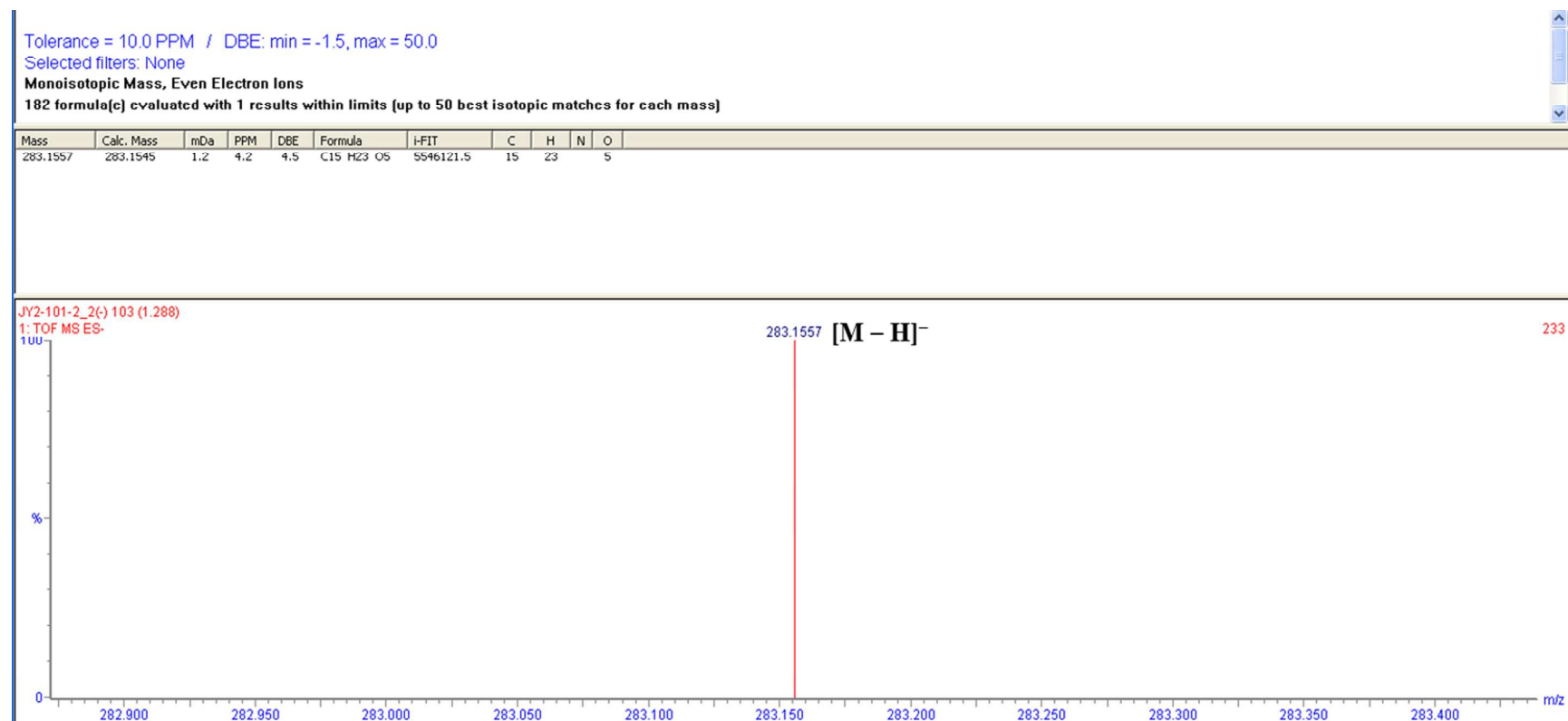
S33. COSY NMR spectrum of 13-hydroxypereniporin A (**5**) in CD₃OD.



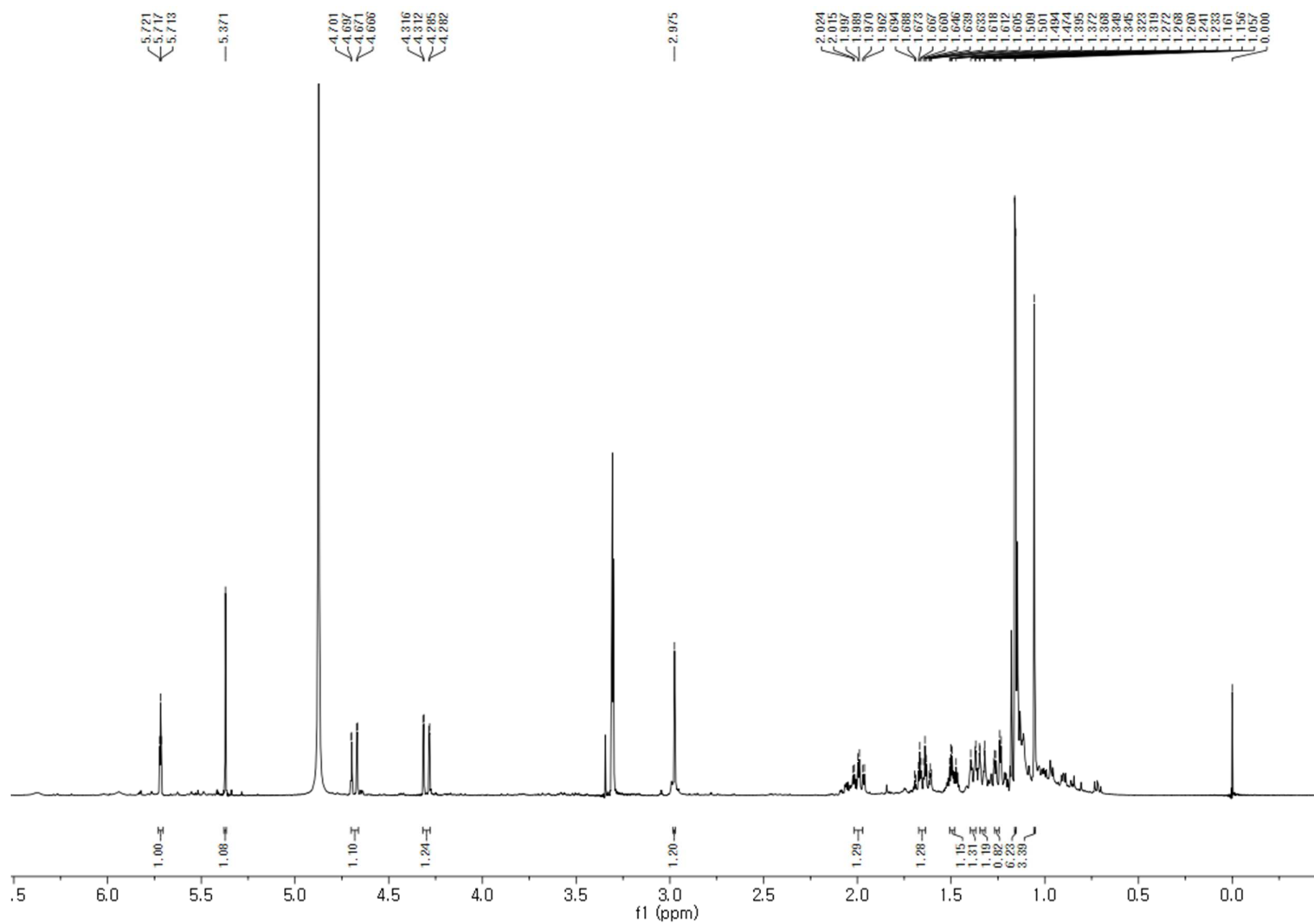
S34. NOESY NMR spectrum of 13-hydroxypereniporin A (**5**) in CD₃OD.



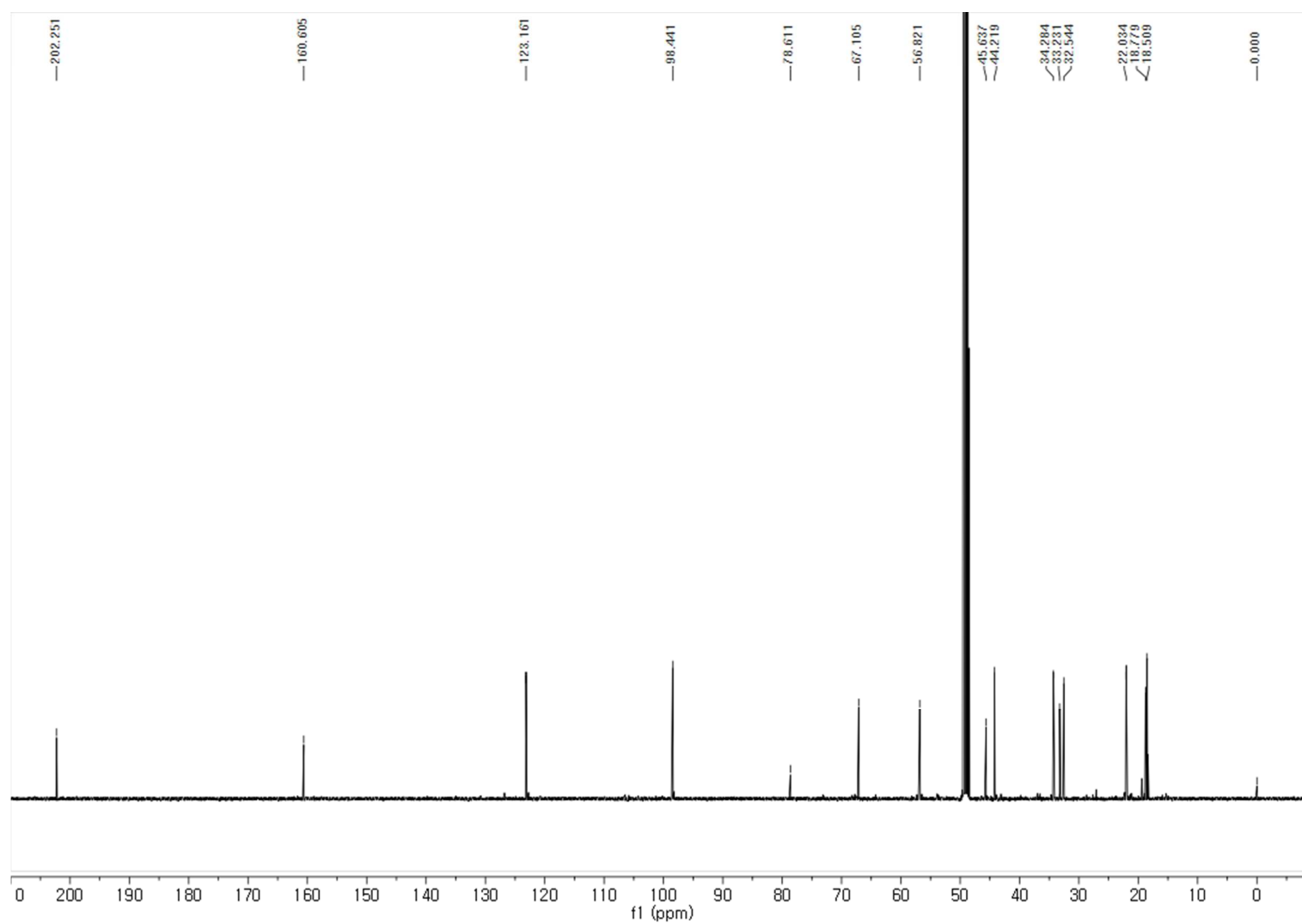
S35. HRESIMS spectrum of 13-hydroxypereniporin A (**5**).



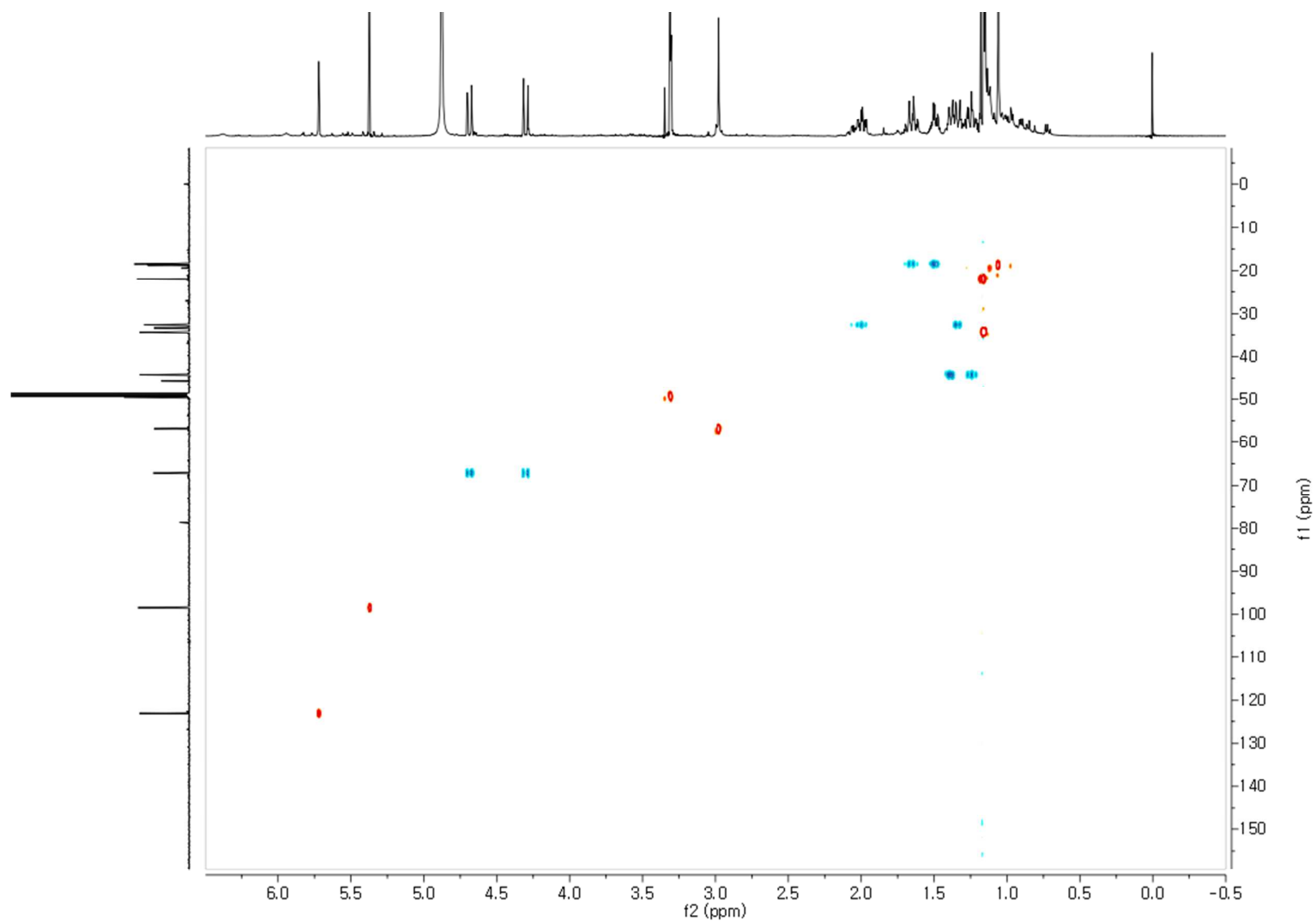
S36. ^1H NMR spectrum (500 MHz) of 6-dehydroxy-6-oxopereniporin A (**6**) in CD_3OD .



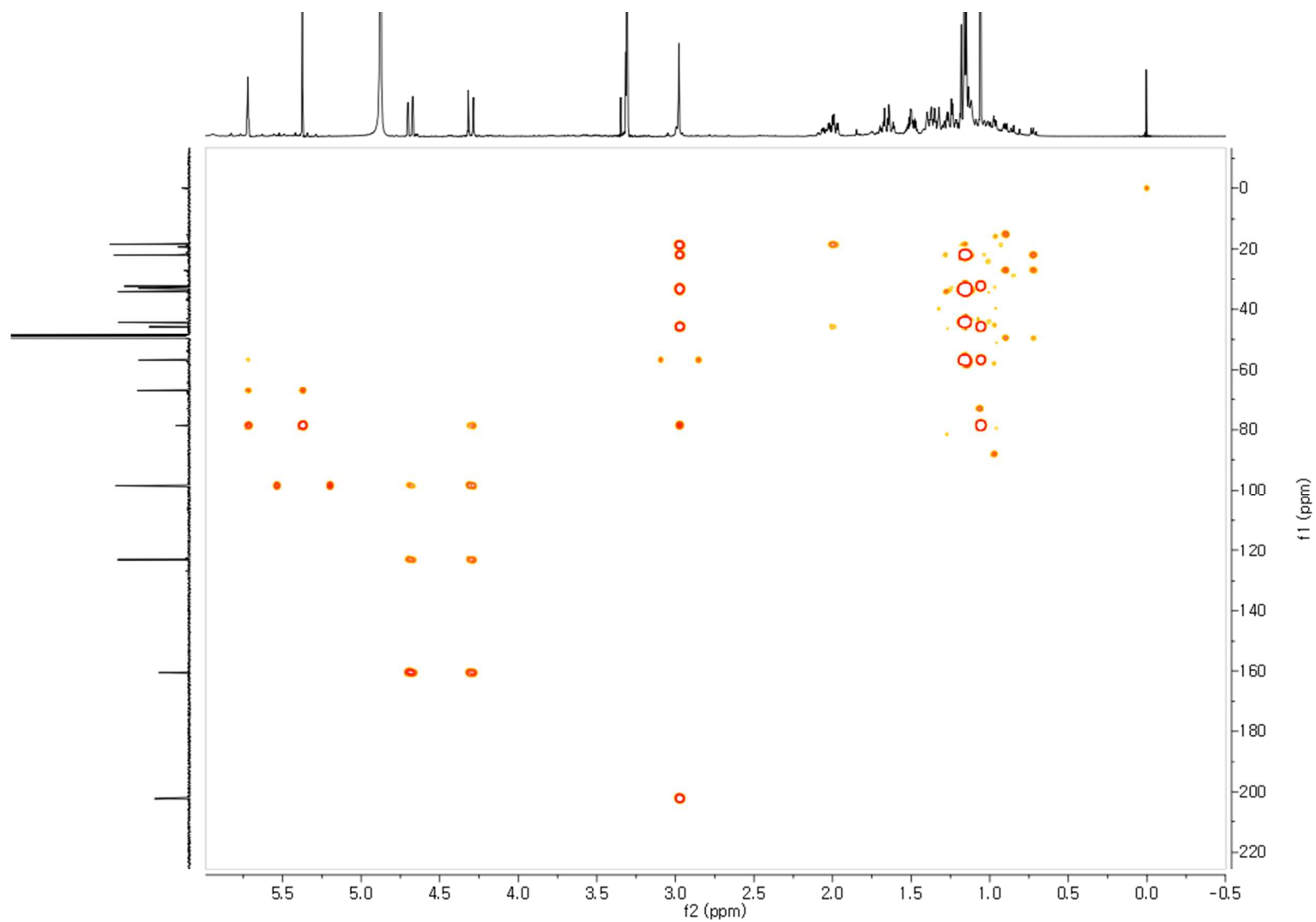
S37. ^{13}C NMR spectrum (125 MHz) of 6-dehydroxy-6-oxopereniporin A (**6**) in CD_3OD .



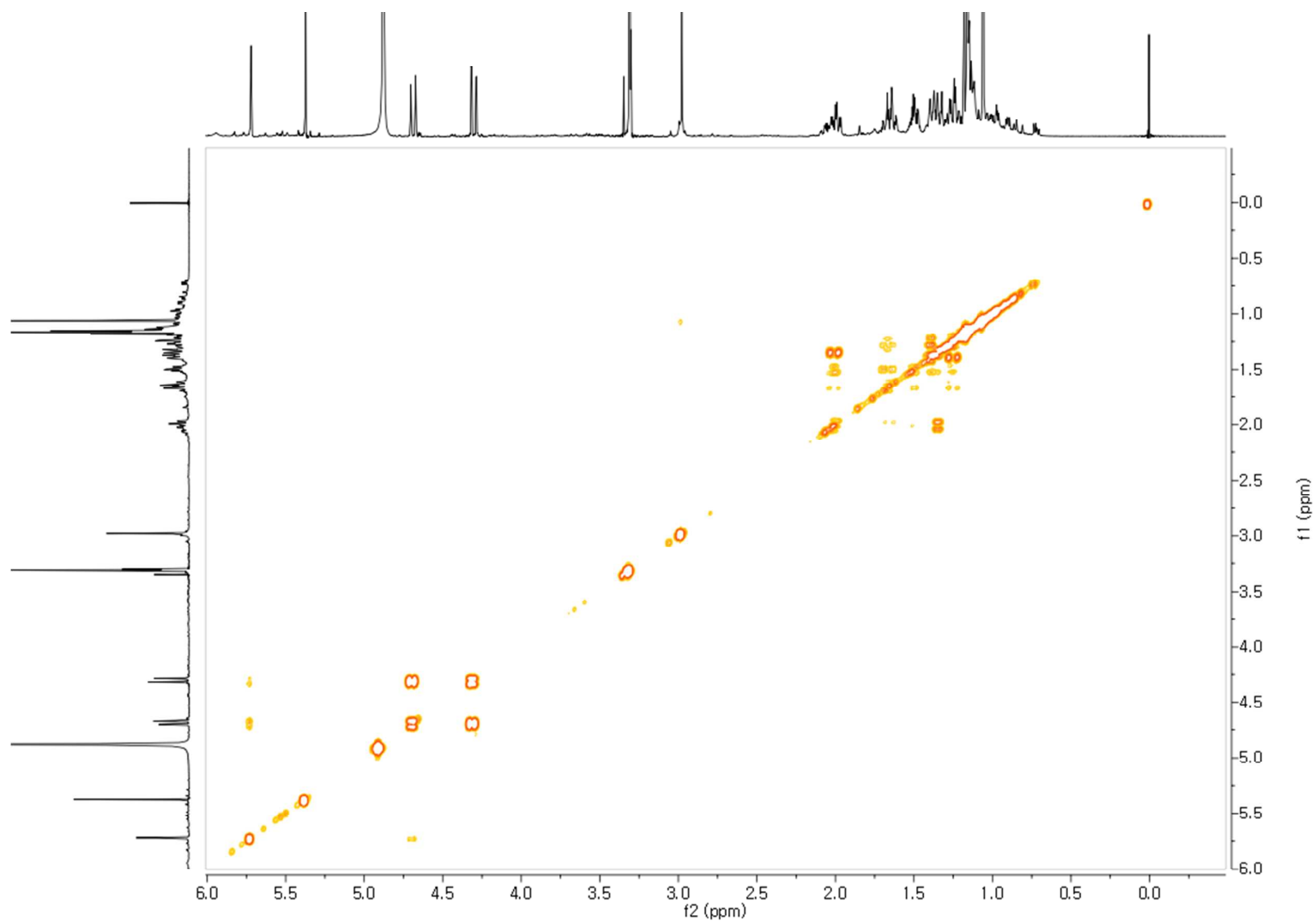
S38. HSQC NMR spectrum of 6-dehydroxy-6-oxopereniporin A (**6**) in CD₃OD.



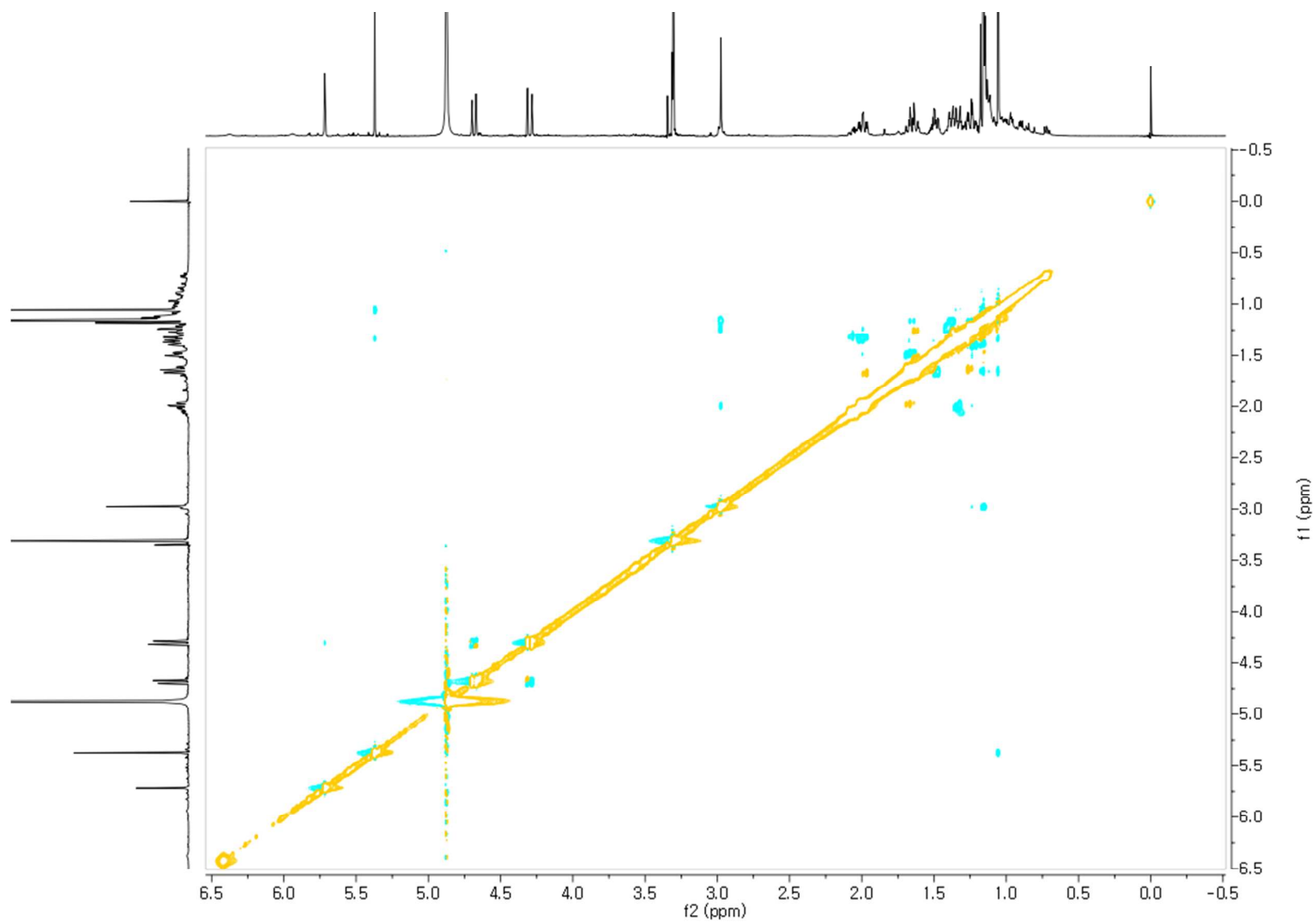
S39. HMBC NMR spectrum of 6-dehydroxy-6-oxopereniporin A (**6**) in CD₃OD.



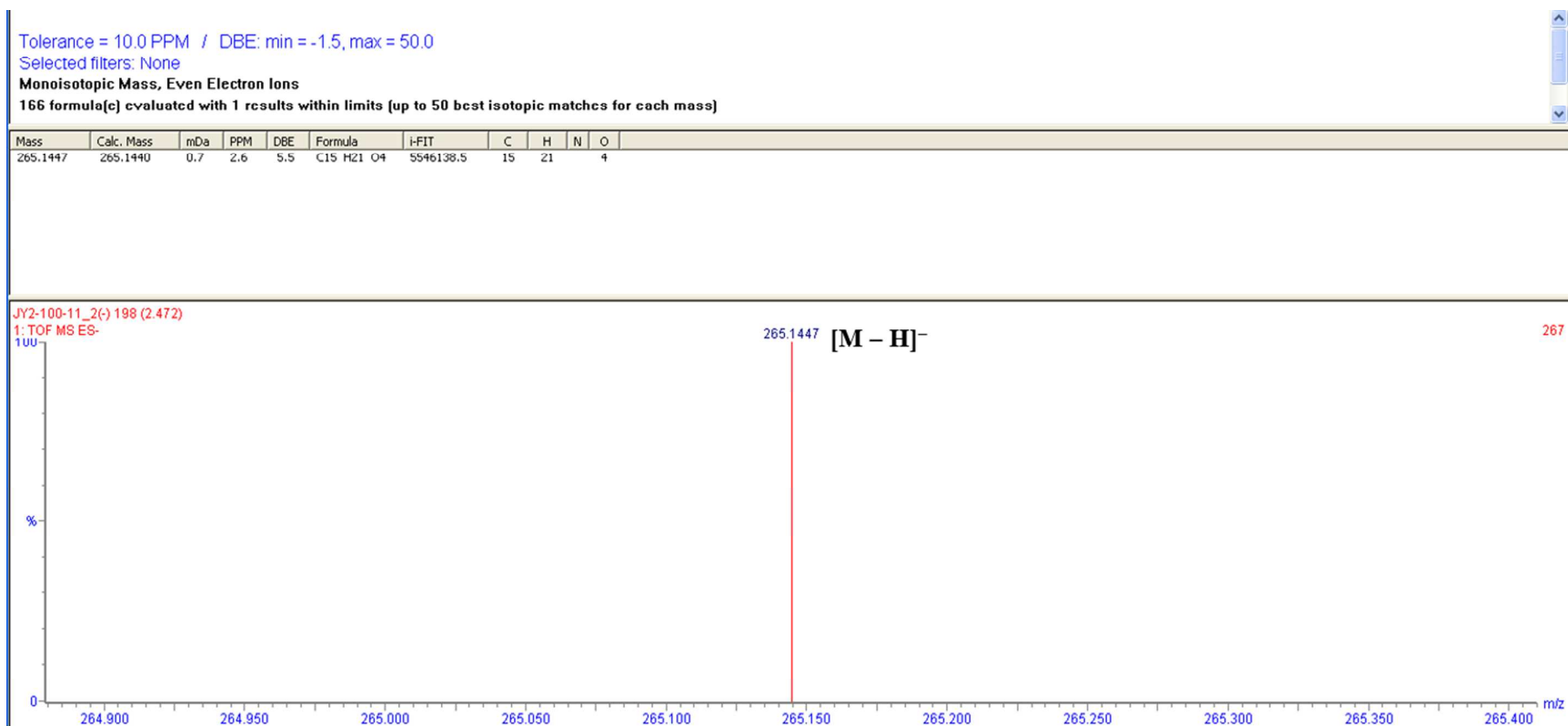
S40. COSY NMR spectrum of 6-dehydroxy-6-oxopereniporin A (**6**) in CD₃OD.



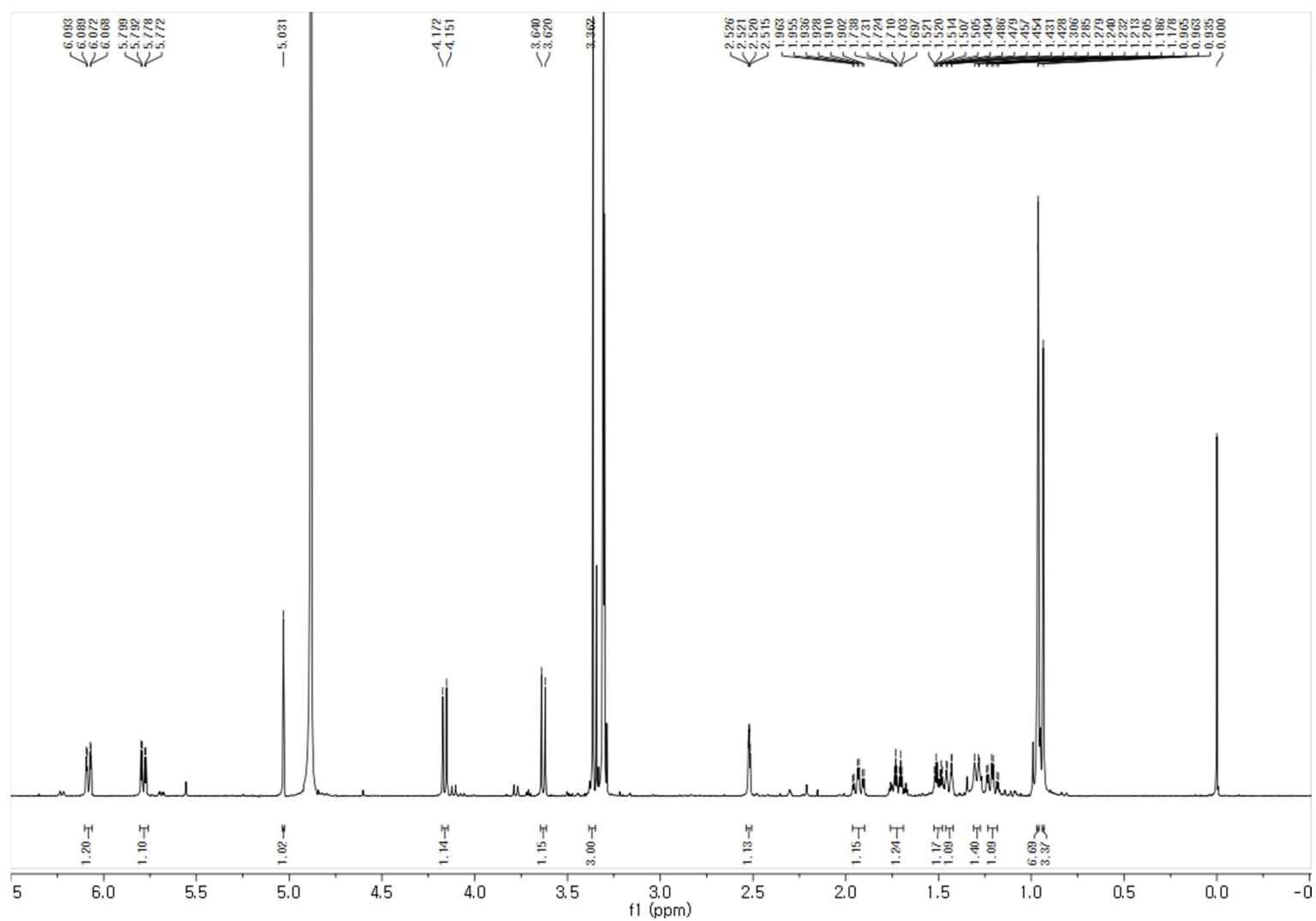
S41. NOESY NMR spectrum of 6-dehydroxy-6-oxopereniporin A (**6**) in CD₃OD.



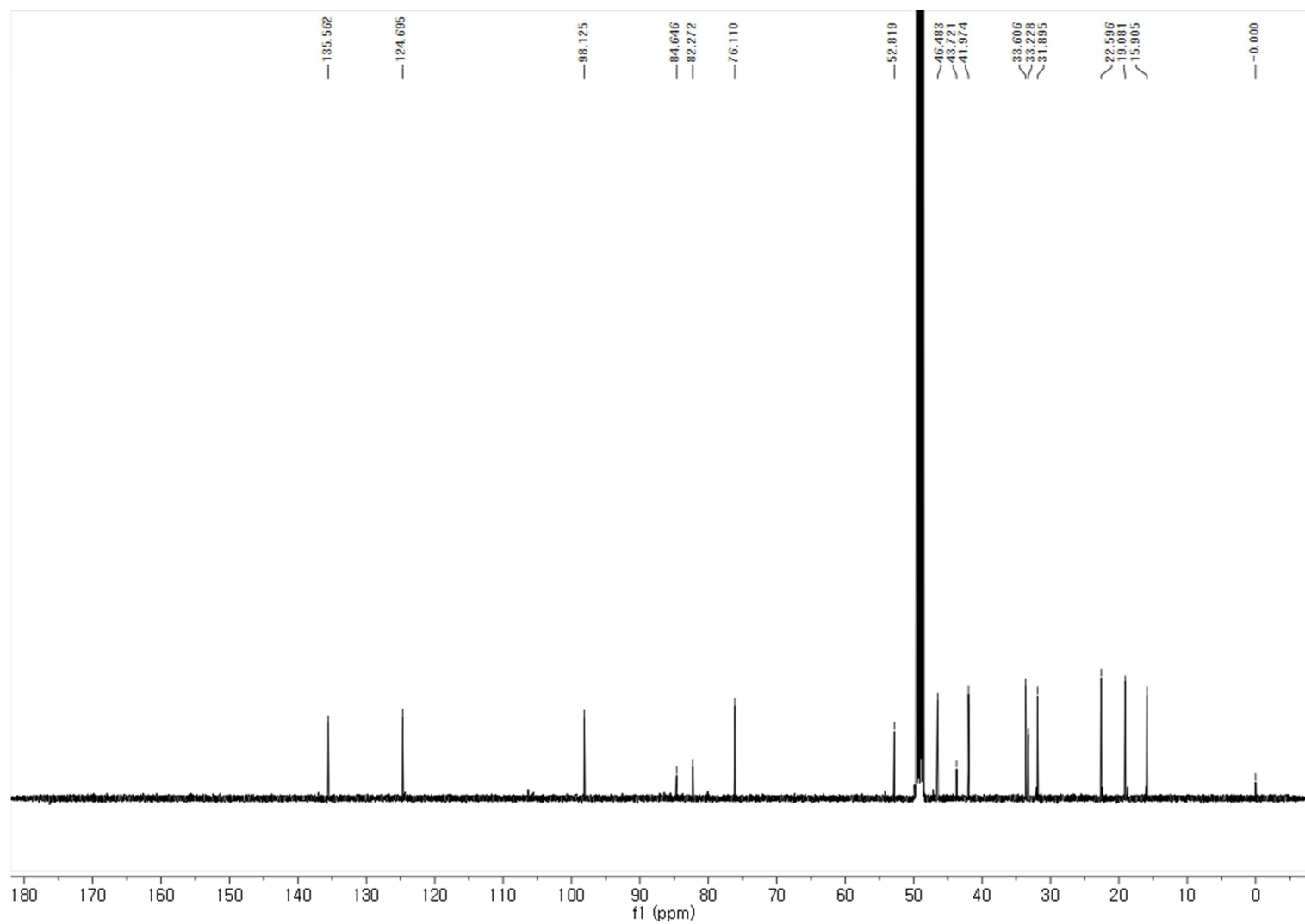
S42. HRESIMS spectrum of 6-dehydroxy-6-oxopereniporin A (6).



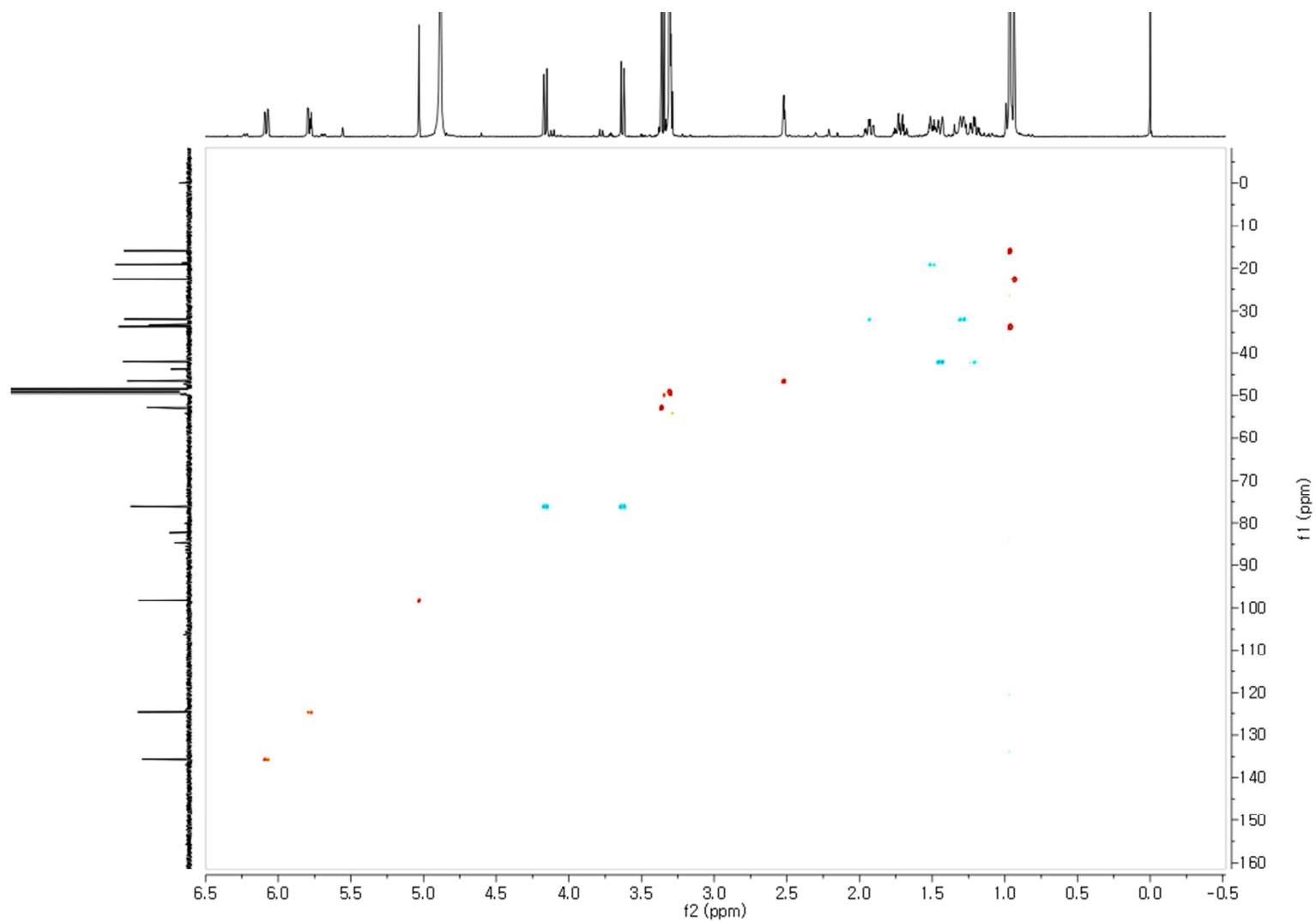
S43. ^1H NMR spectrum (500 MHz) of pereniporin C (**7**) in CD_3OD .



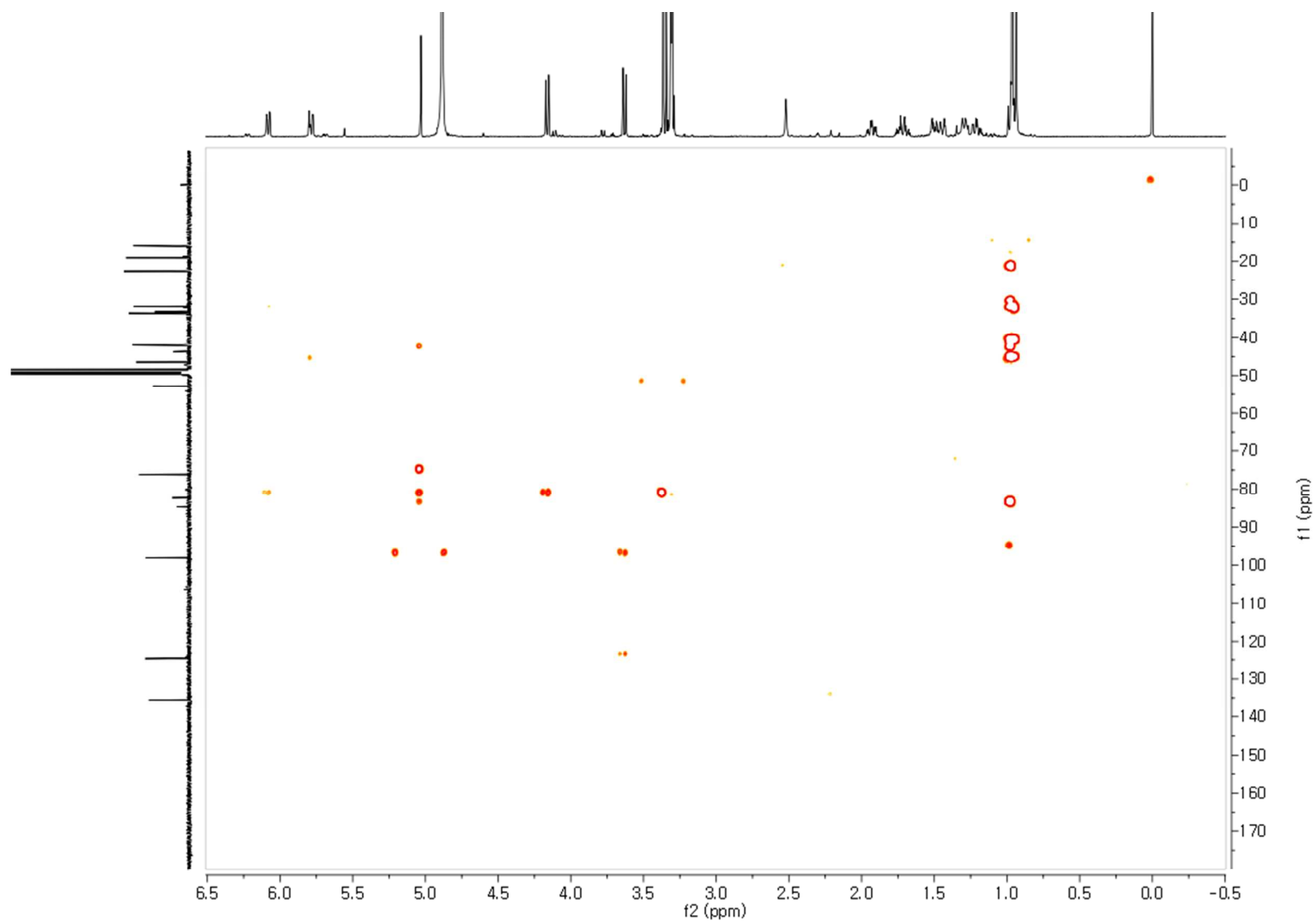
S44. ^{13}C NMR spectrum (125 MHz) of pereniporin C (**7**) in CD_3OD .



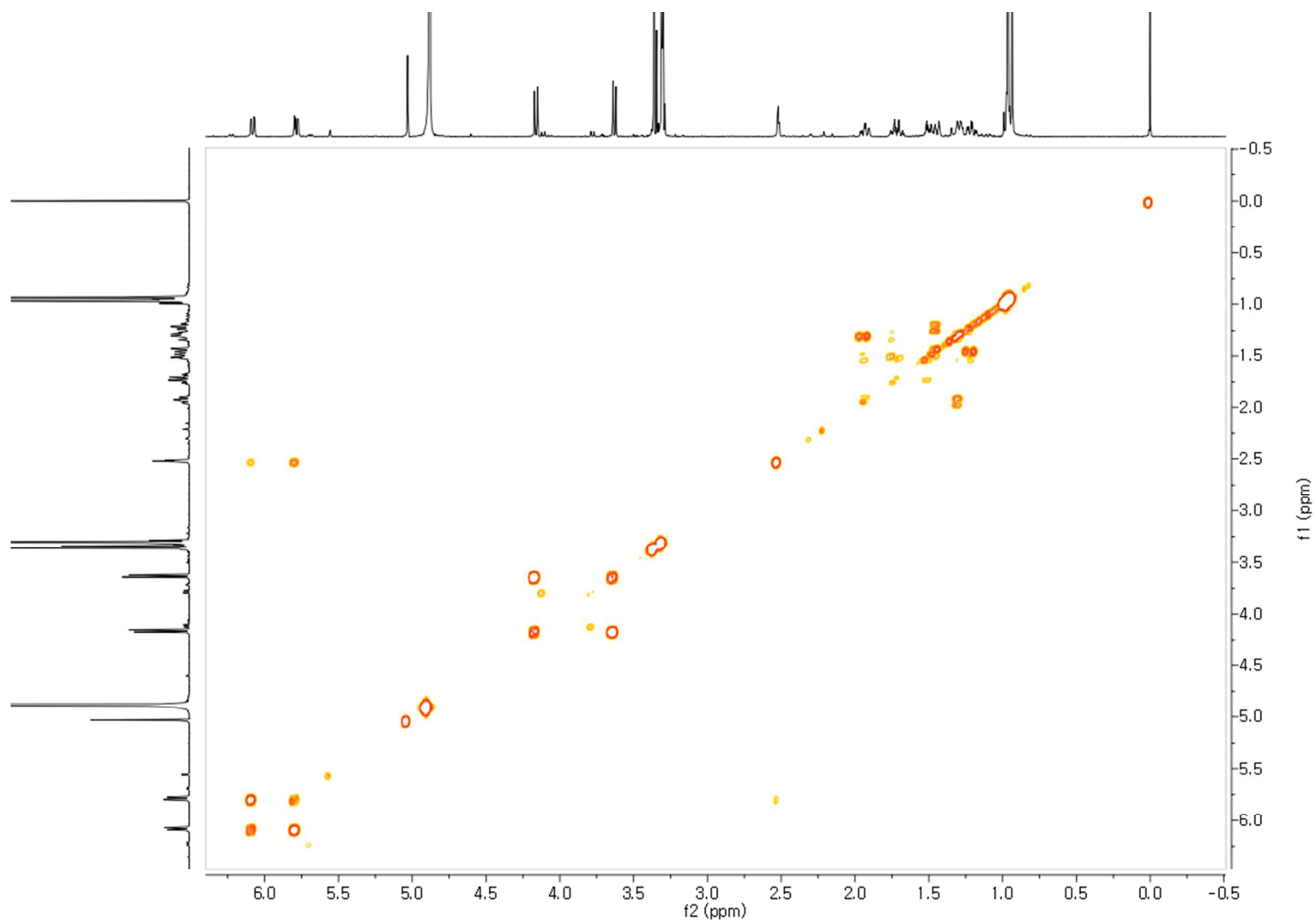
S45. HSQC NMR spectrum of pereniporin C (**7**) in CD₃OD.



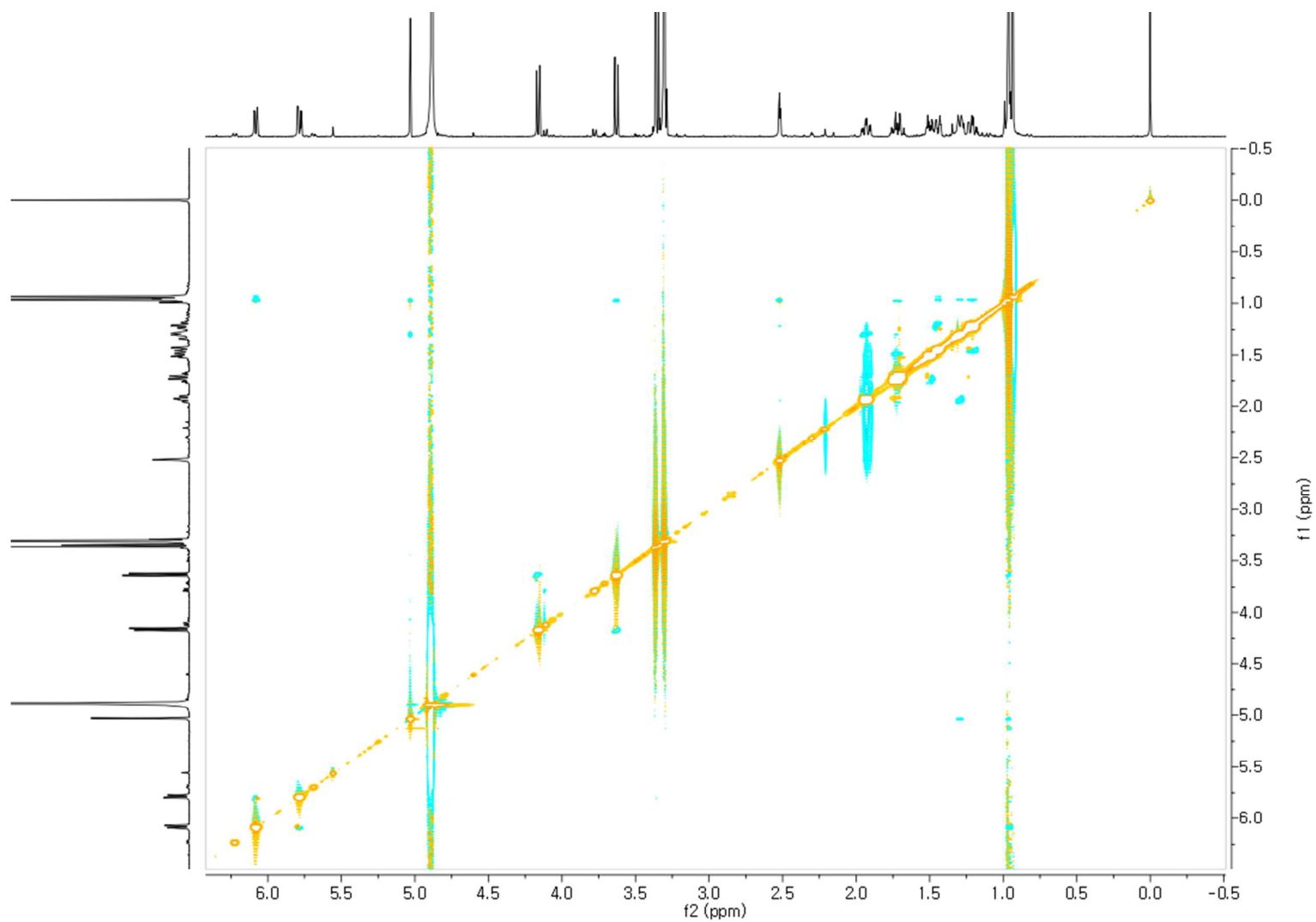
S46. HMBC NMR spectrum of pereniporin C (**7**) in CD₃OD.



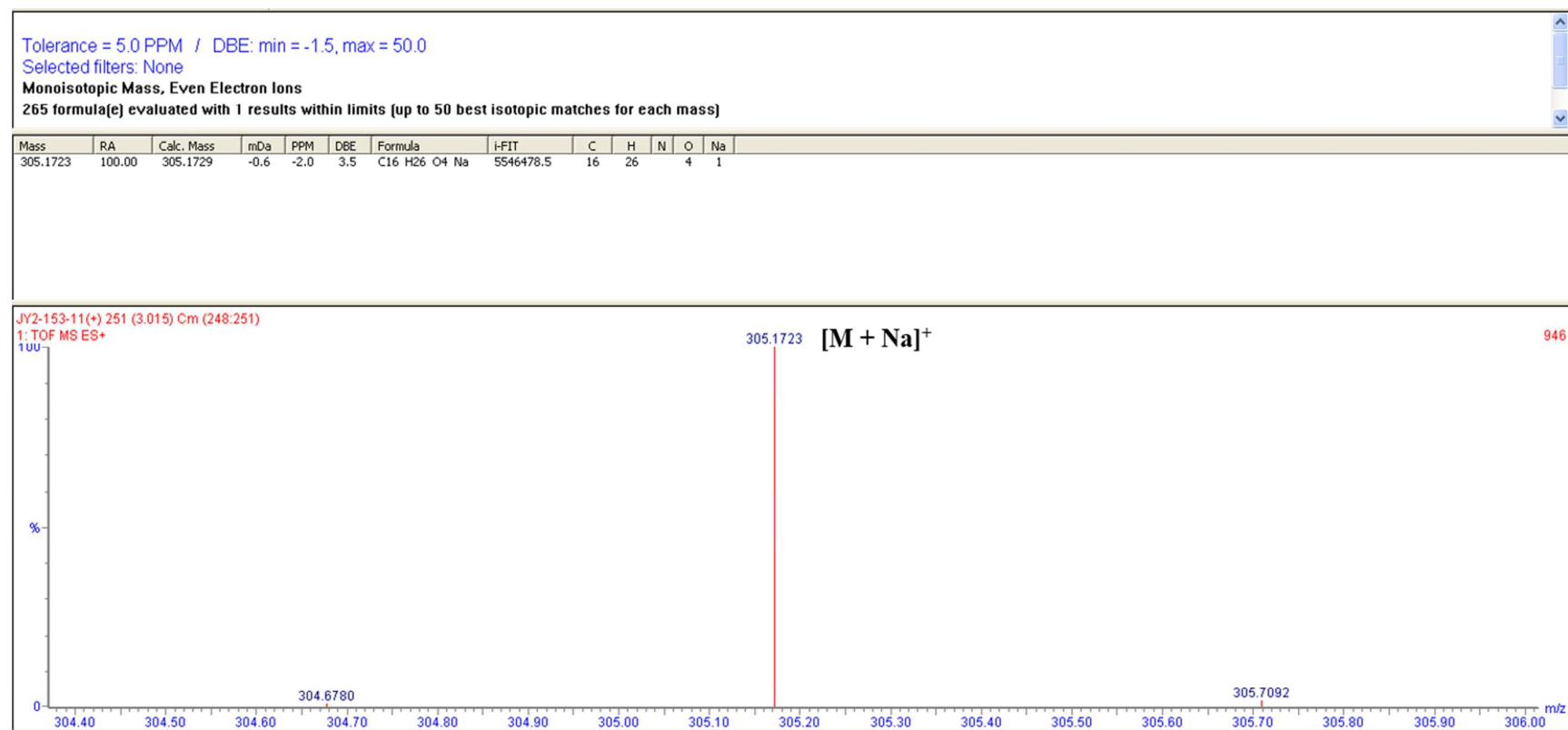
S47. COSY NMR spectrum of pereniporin C (7) in CD₃OD.



S48. NOESY NMR spectrum of pereniporin C (**7**) in CD₃OD.

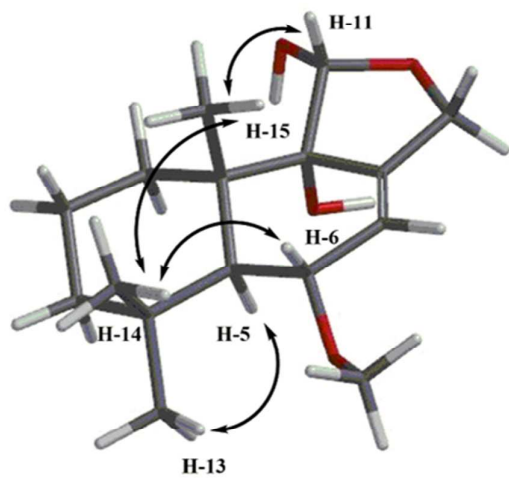


S49. HRESIMS spectrum of pereniporin C (7).

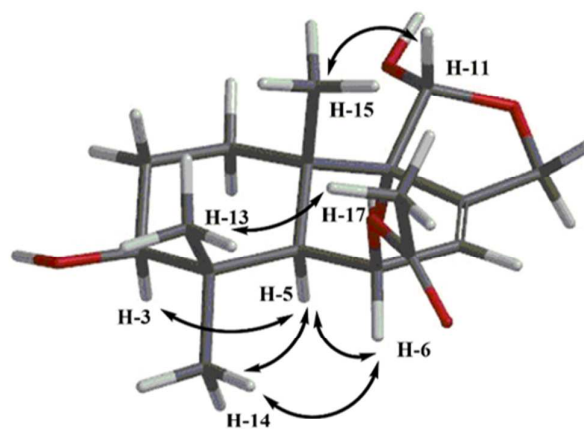


S50. NOESY correlations of compounds **2**, **4**, and **5** (A–C).

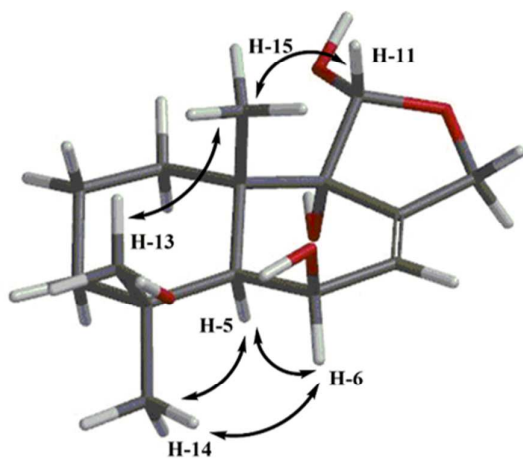
(A)



(B)

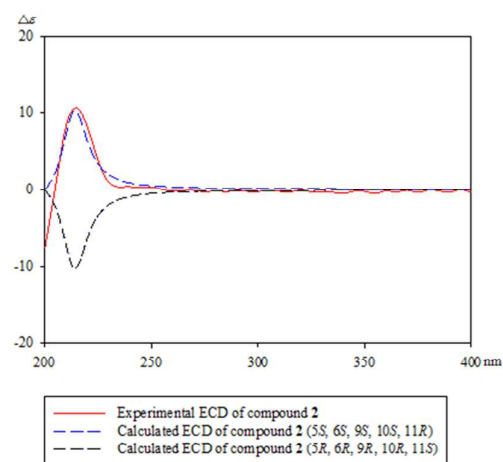


(C)

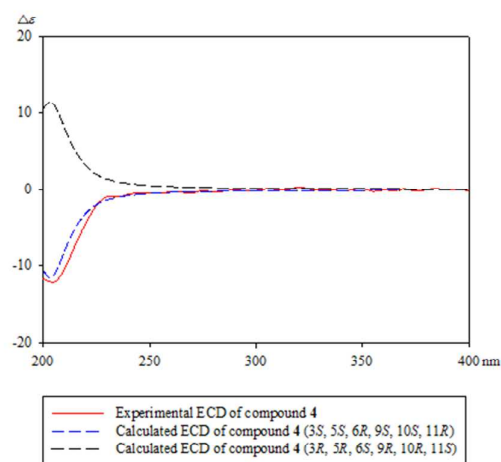


S51. Experimental and calculated ECD spectra of compounds **2**, **4**, and **5**.

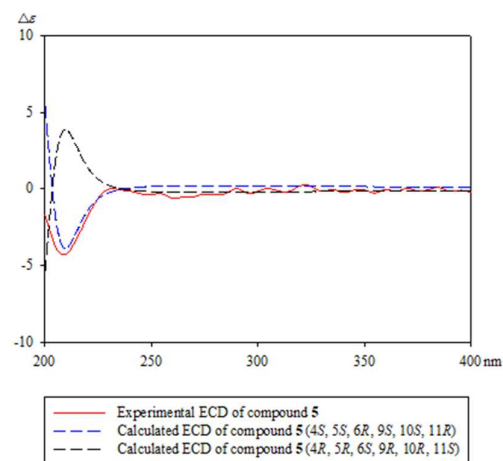
(A)



(B)



(C)



S52. ^1H NMR spectroscopic data of known compounds.

Pereniporin A: ^1H NMR (CD_3OD , 500MHz) δ_{H} 5.59 (1H, m, H-7), 5.25 (1H, s, H-11), 4.52 (1H, dt, $J = 12.0, 2.0$ Hz, H-12a), 4.21 (1H, m, H-6), 4.12 (1H, dt, $J = 12.0, 2.0$ Hz, H-12b), 1.91 (1H, m, H-1a), 1.82 (1H, d, $J = 5.0$ Hz, H-5), 1.69 (1H, m, H-2a), 1.46 (1H, m, H-2b), 1.34 (3H, s, H-13), 1.33 (1H, m, H-3a), 1.28 (1H, m, H-3b), 1.26 (1H, m, H-1b), 1.14 (3H, s, H-15), 1.09 (3H, s, H-14)

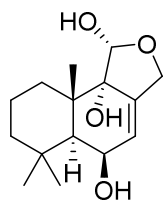
6-O-Acetyl-pereniporin A: ^1H NMR (CD_3OD , 500MHz) δ_{H} 5.60 (1H, m, H-6), 5.59 (1H, m, H-7), 5.32 (1H, s, H-11), 4.53 (1H, d, $J = 13.0$ Hz, H-12a), 4.16 (1H, d, $J = 13.0$ Hz, H-12b), 2.10 (1H, d, $J = 4.0$ Hz, H-5), 2.04 (3H, s, H-17), 1.95 (1H, m, H-1a), 1.69 (1H, m, H-2a), 1.49 (1H, m, H-2b), 1.40 (1H, m, H-3a), 1.33 (1H, m, H-1b), 1.29 (1H, m, H-3b), 1.18 (3H, s, H-13), 1.18 (3H, s, H-15), 0.99 (3H, s, H-14)

Ugandensolide: ^1H NMR (CDCl_3 , 500MHz) δ_{H} 5.94 (1H, m, H-7), 5.93 (1H, m, H-6), 5.36 (1H, s, H-11), 4.61 (1H, d, $J = 13.0$ Hz, H-12a), 4.26 (1H, d, $J = 13.0$ Hz, H-12b), 1.85 (1H, d, $J = 5.0$ Hz, H-5), 1.80 (1H, m, H-1a), 1.66 (1H, m, H-2), 1.48 (1H, m, H-2b), 1.36 (1H, m, H-3a), 1.31 (1H, m, H-1b), 1.28 (1H, m, H-3b), 1.26 (3H, s, H-13), 1.12 (3H, s, H-15), 1.04 (3H, s, H-14)

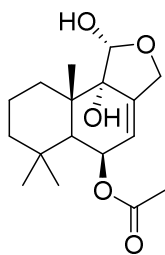
11-Hydroxycinnamosmolide: ^1H NMR (CD_3OD , 500MHz) δ_{H} 6.54 (1H, d, $J = 3.5$ Hz, H-7), 5.91 (1H, s, H-11), 5.76 (1H, m, H-6), 2.13 (1H, d, $J = 5.0$ Hz, H-5), 2.03 (1H, m, H-1a), 1.69 (1H, m, H-2a), 1.53 (1H, m, H-2b), 1.42 (1H, m, H-3a), 1.31 (1H, m, H-1a), 1.29 (1H, m, H-3b), 1.17 (3H, s, H-13), 1.09 (3H, s, H-15), 0.97 (3H, s, H-14)

6,9,11-Trihydroxycinnamolide: ^1H NMR (CDCl_3 , 500MHz) δ_{H} 6.78 (1H, m, H-7), 5.81 (1H, s, H-11), 4.59 (1H, dd, $J = 5.0, 4.0$ Hz, H-6), 1.96 (1H, m, H-1a), 1.83 (1H, d, $J = 4.5$ Hz, H-5), 1.70 (1H, m, H-2a), 1.49 (1H, m, H-2b), 1.35 (3H, s, H-13), 1.33 (1H, m, H-3a), 1.29 (1H, m, H-3b), 1.26 (1H, m, H-1b), 1.14 (3H, s, H-15), 1.11 (3H, s, H-14)

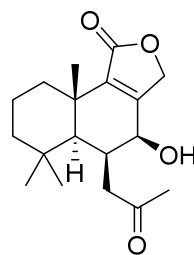
S53. Structures of known compounds.



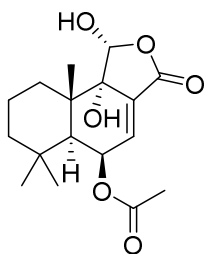
Pereniporin A



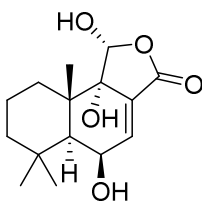
6-O-Acetyl-pereniporin A



Ugandensolide



11-Hydroxycinnamosmolide



6,9,11-Trihydroxycinnamolide