

Electronic supplementary information for

**Polyisoprenylated benzophenone derivatives from *Garcinia cambogia*
and their anti-inflammatory activities**

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Figure S102. Preparative-HPLC program image of BA2

Figure S103. Preparative -HPLC program image of BF2

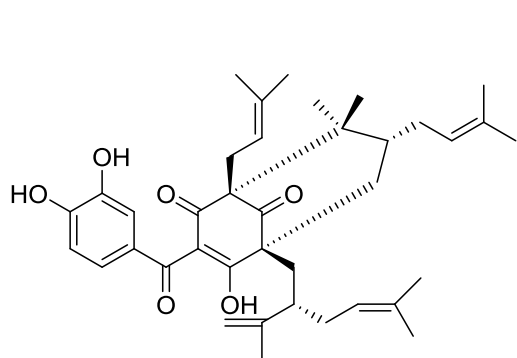
Figure S104. Preparative -HPLC program image of BF3

Figure S105. Preparative -HPLC program image of BF4B

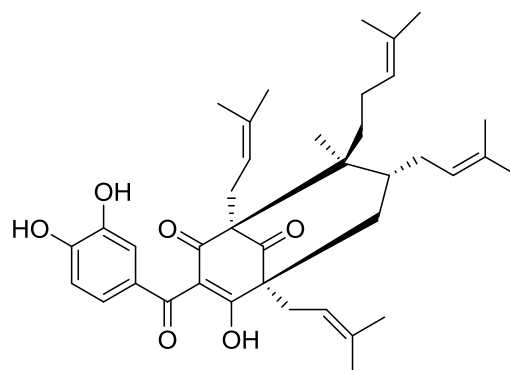
Figure S106. Preparative -HPLC program image of BF4D

Figure S107. Preparative -HPLC program image of GD

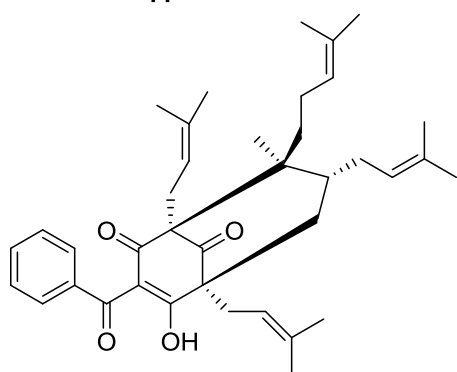
Figure S1. Structures of the known compounds isolated from *Garcinia cambogia*.



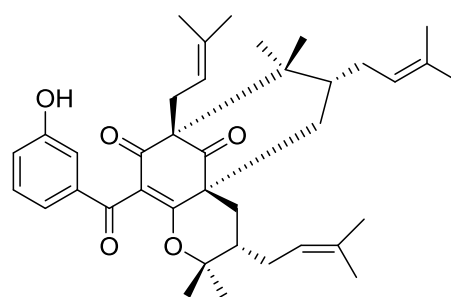
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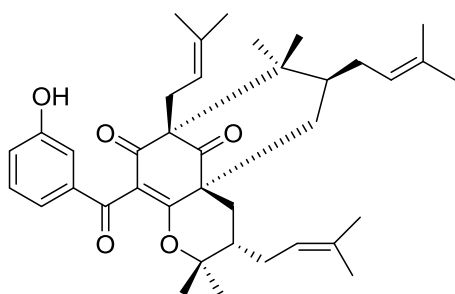
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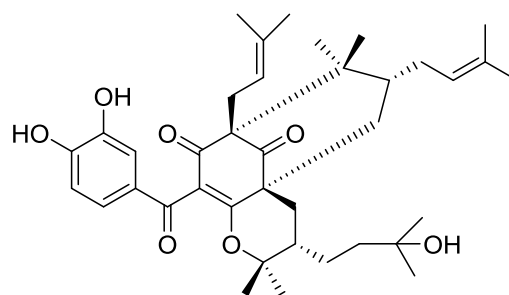
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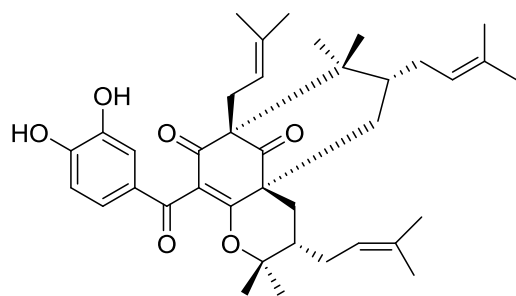
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16



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Figure S2. ^1H NMR spectrum of 4,8-*epi*-uralione **1** in MeOD

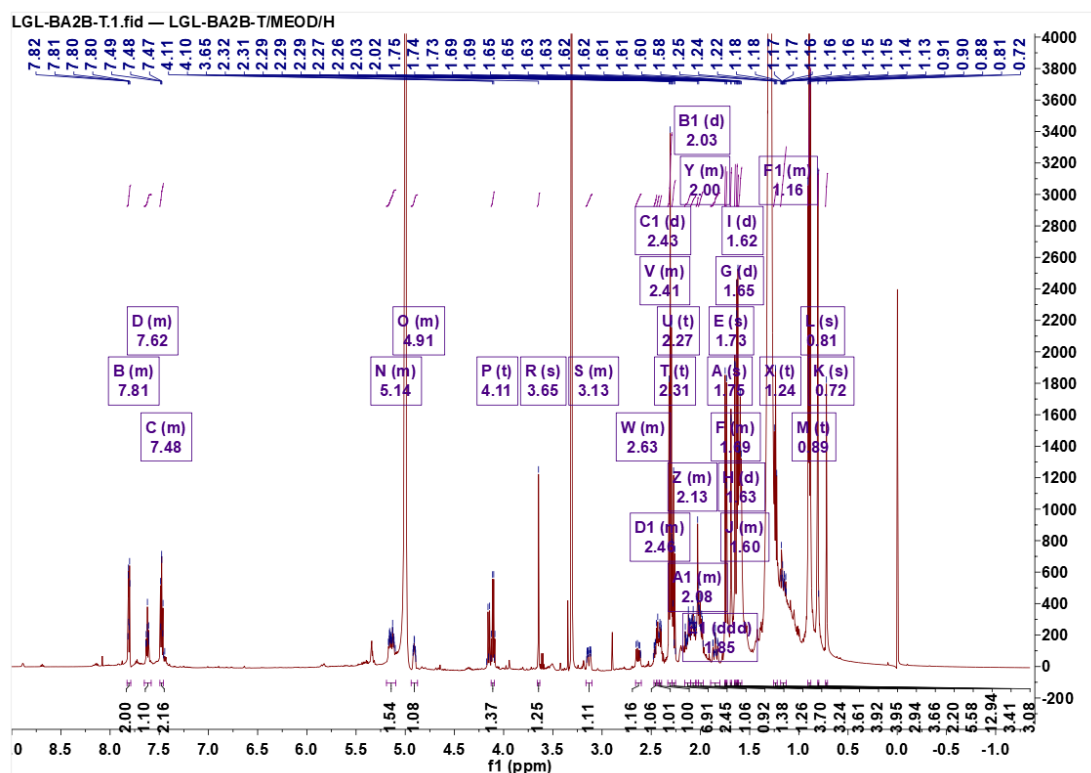


Figure S3. ^{13}C NMR spectrum of 4,8-*epi*-uralione **1** in MeOD

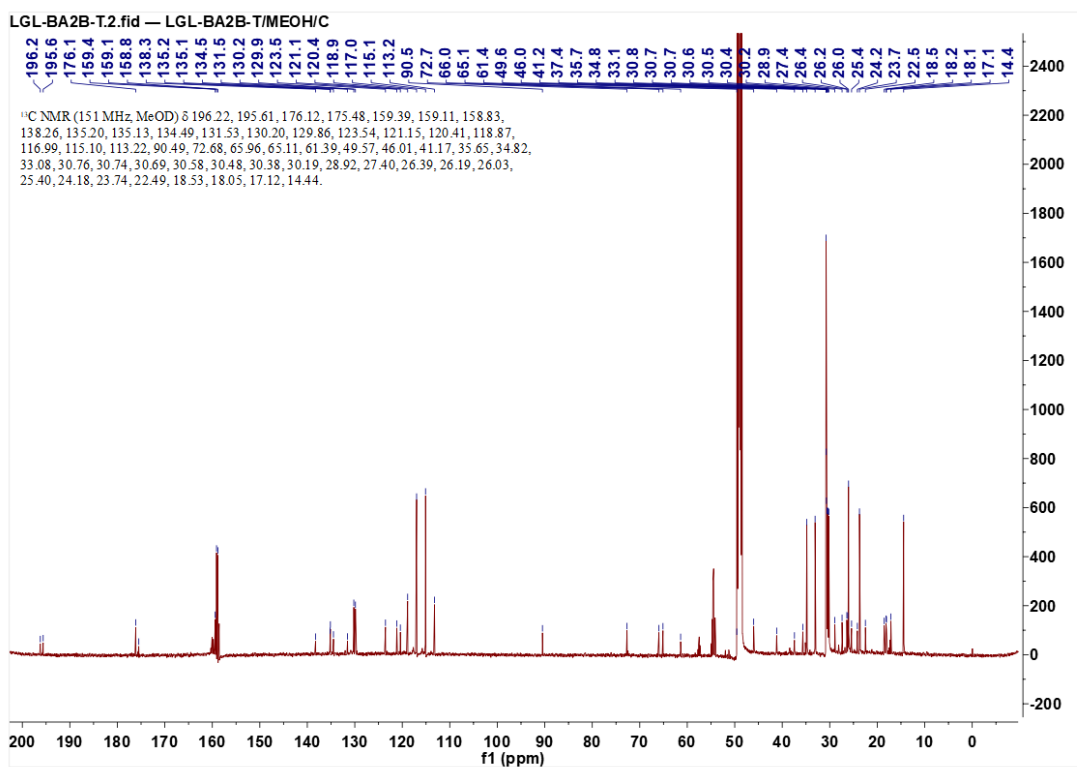


Figure S4. DEPT 135 spectrum of 4,8-*epi*-uralione F (**1**) in MeOD

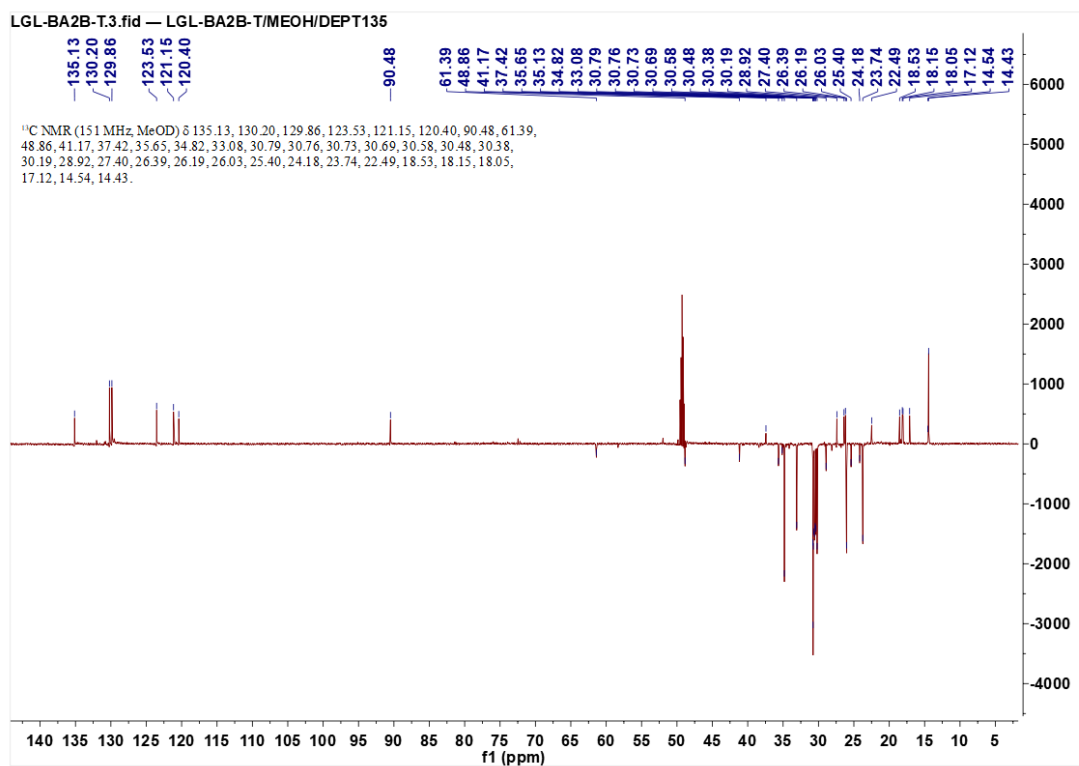


Figure S5. HSQC spectrum of 4,8-*epi*-uralione F (**1**) in MeOD

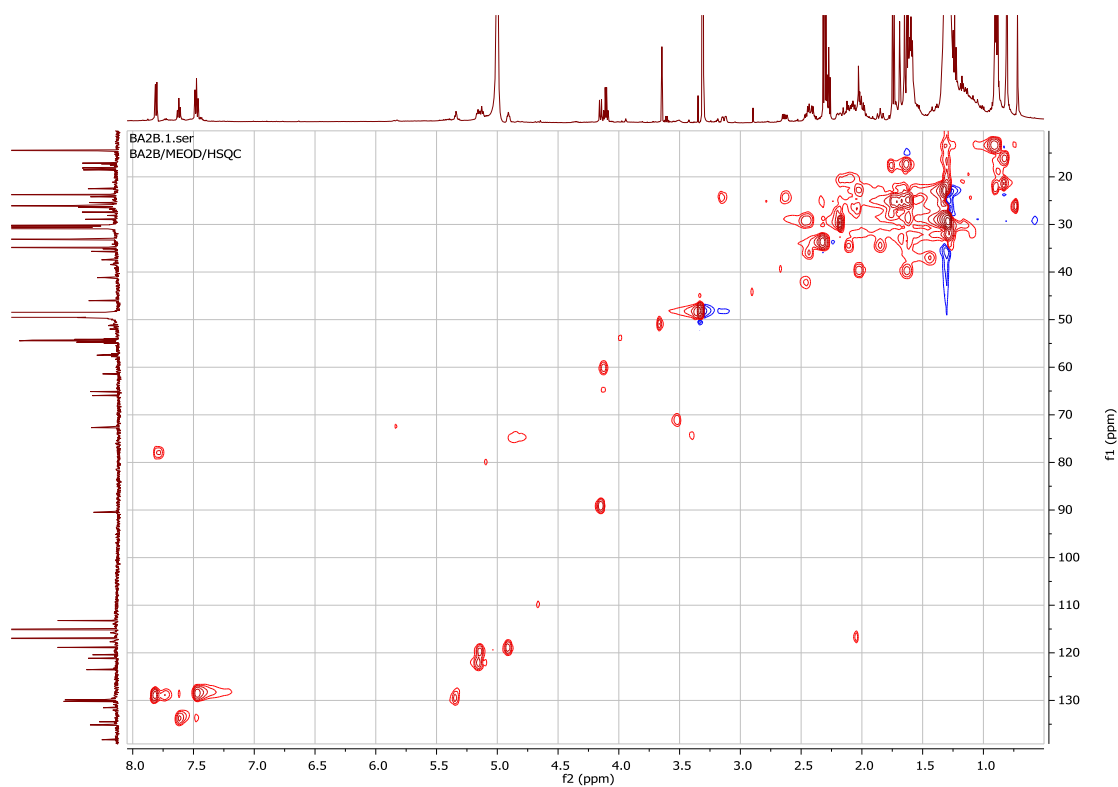


Figure S6. HMBC spectrum of 4,8-*epi*-urallone F (**1**) in MeOD

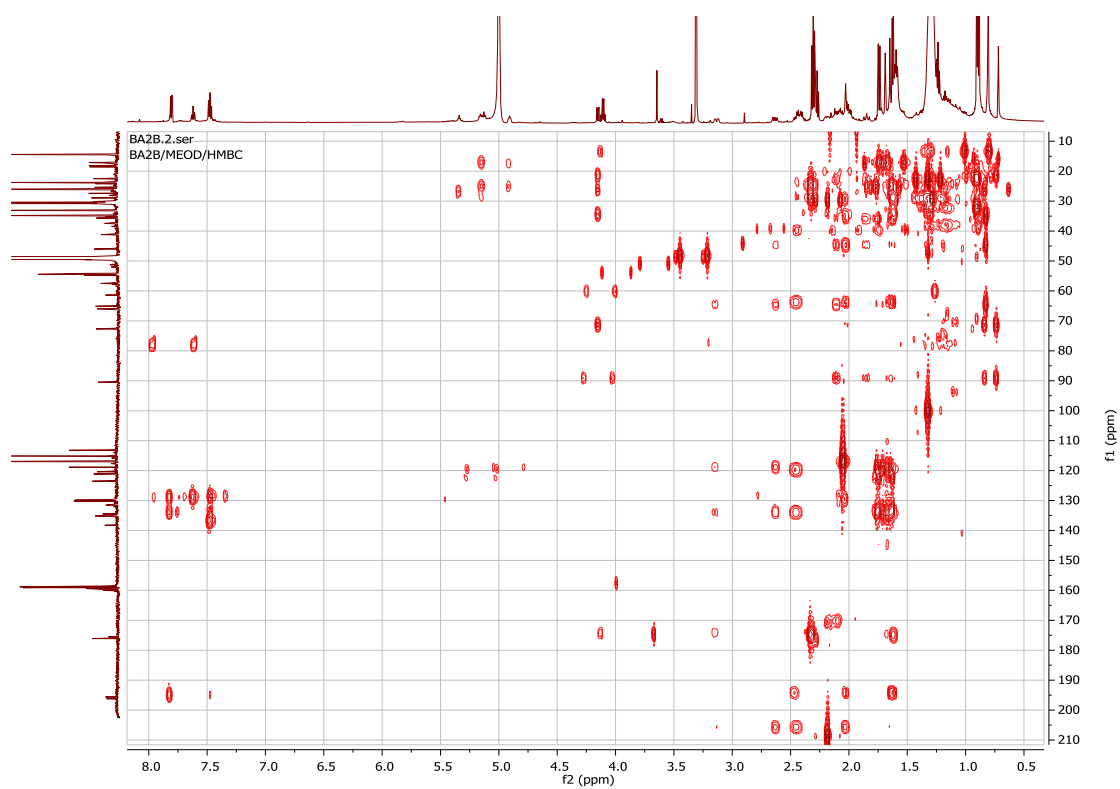


Figure S7. ROESY spectrum of 4,8-*epi*-urallone F (**1**) in MeOD

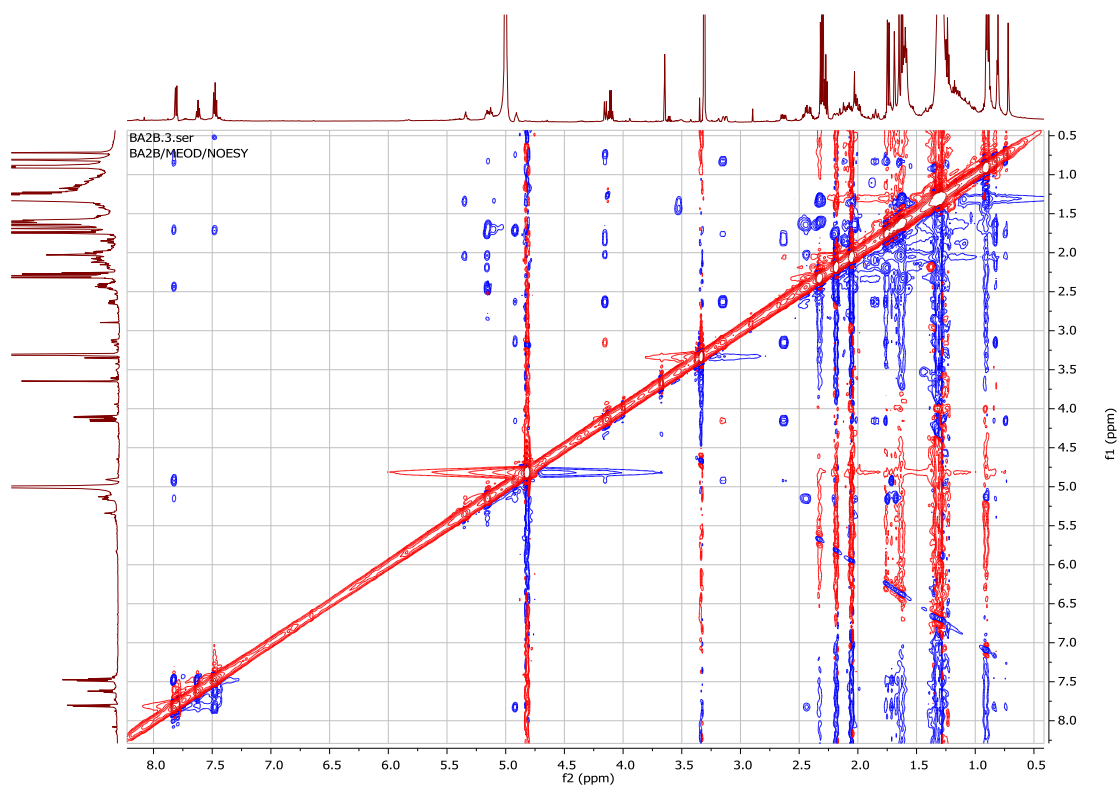


Figure S8. IR spectrum of 4,8-*epi*-uralione F (1)

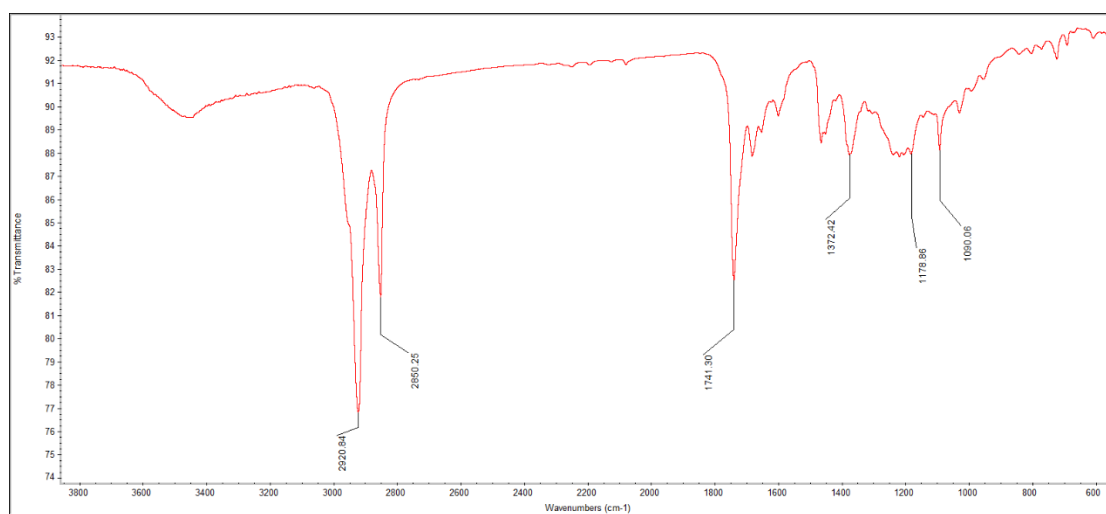


Figure S9. UV spectrum of 4,8-*epi*-uralione F (1)

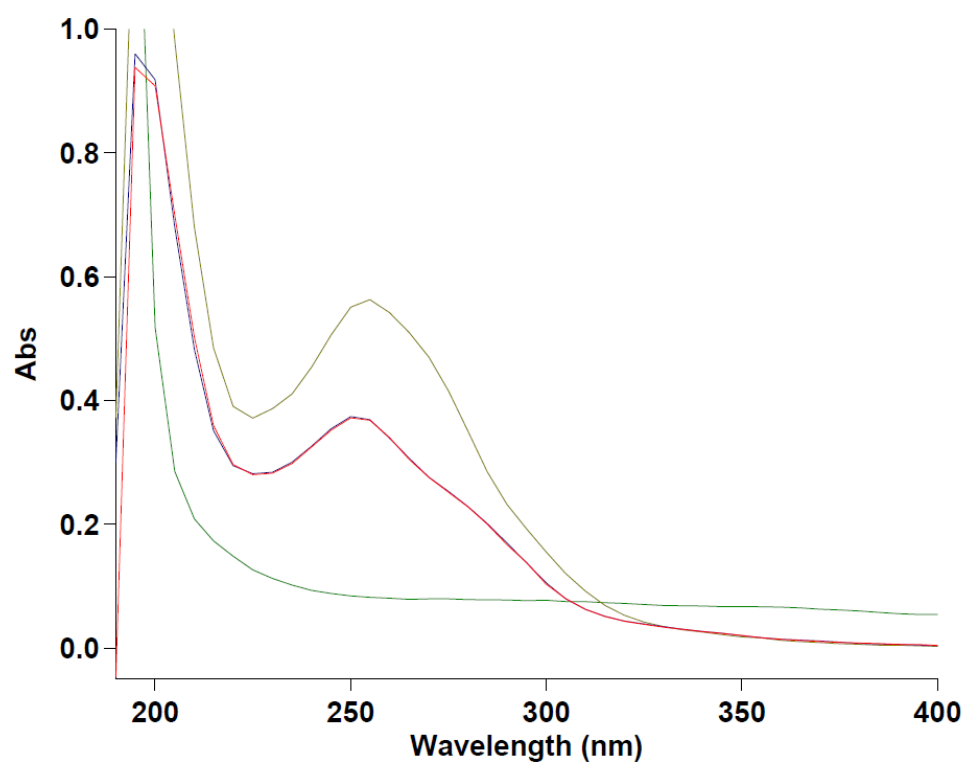


Figure S10. HRESIMS spectrum of 4,8-*epi*-uralione F (1)

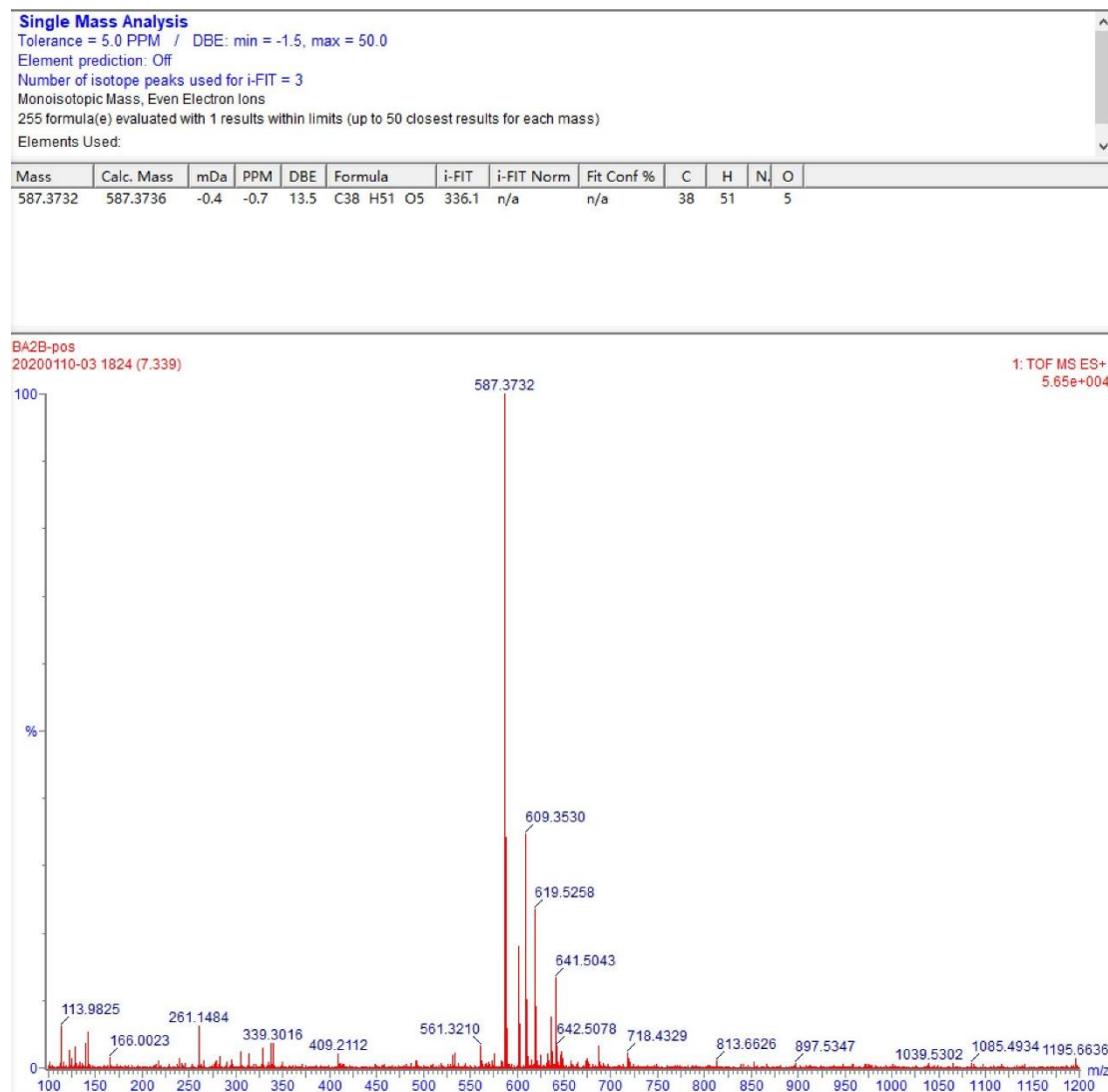


Figure S11. ECD spectrum of 4,8-*epi*-uralione **1**

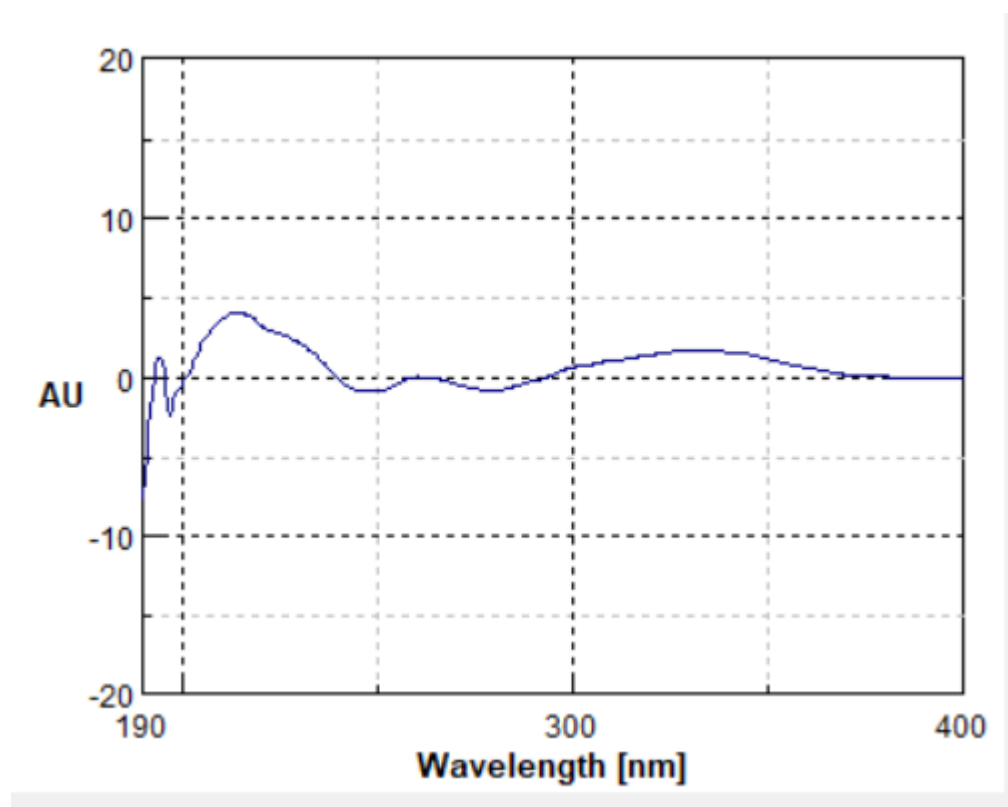


Figure S12. ^1H NMR spectrum of 4,8-*epi*-uralione **2** in MeOD

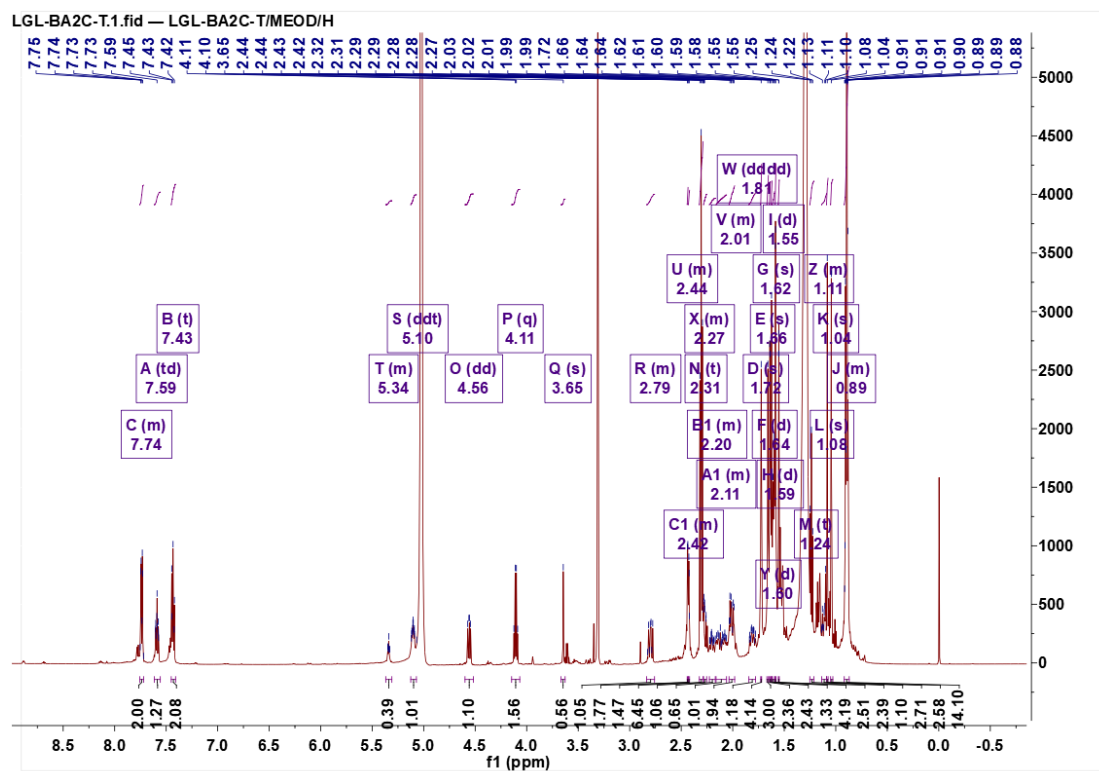


Figure S13. ^{13}C NMR spectrum of 4,8-*epi*-uralione G (**2**) in MeOD

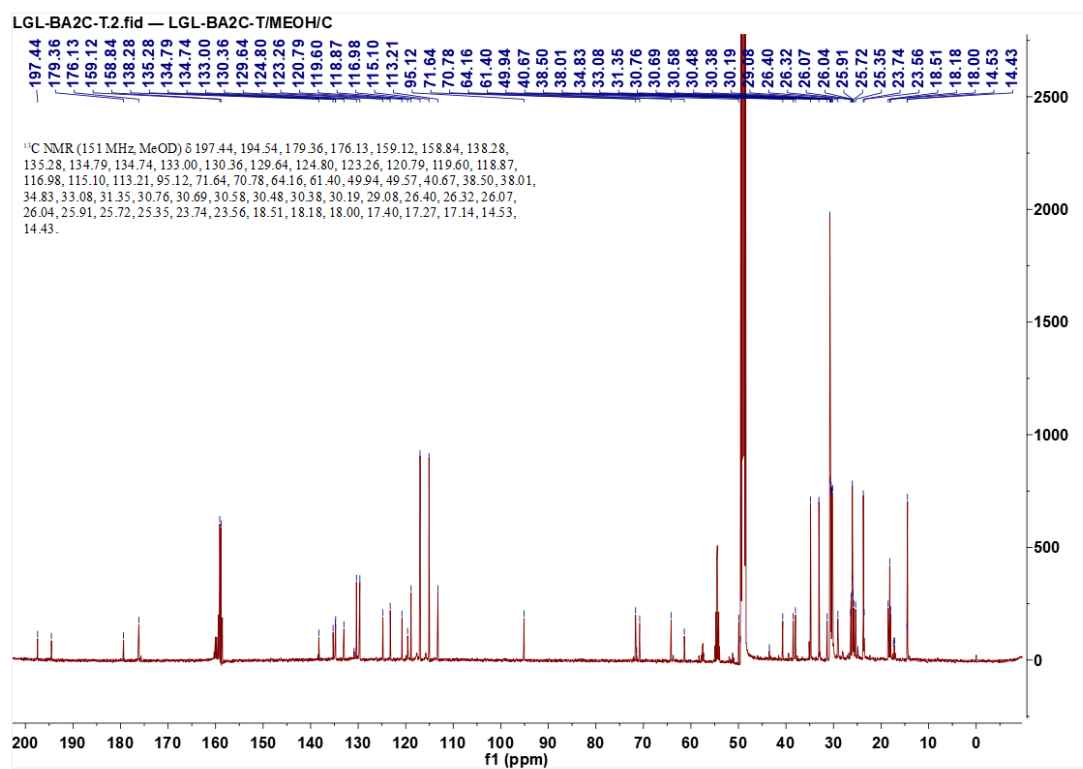


Figure S14. DEPT 135 spectrum of 4,8-*epi*-uralione G (**2**) in MeOD

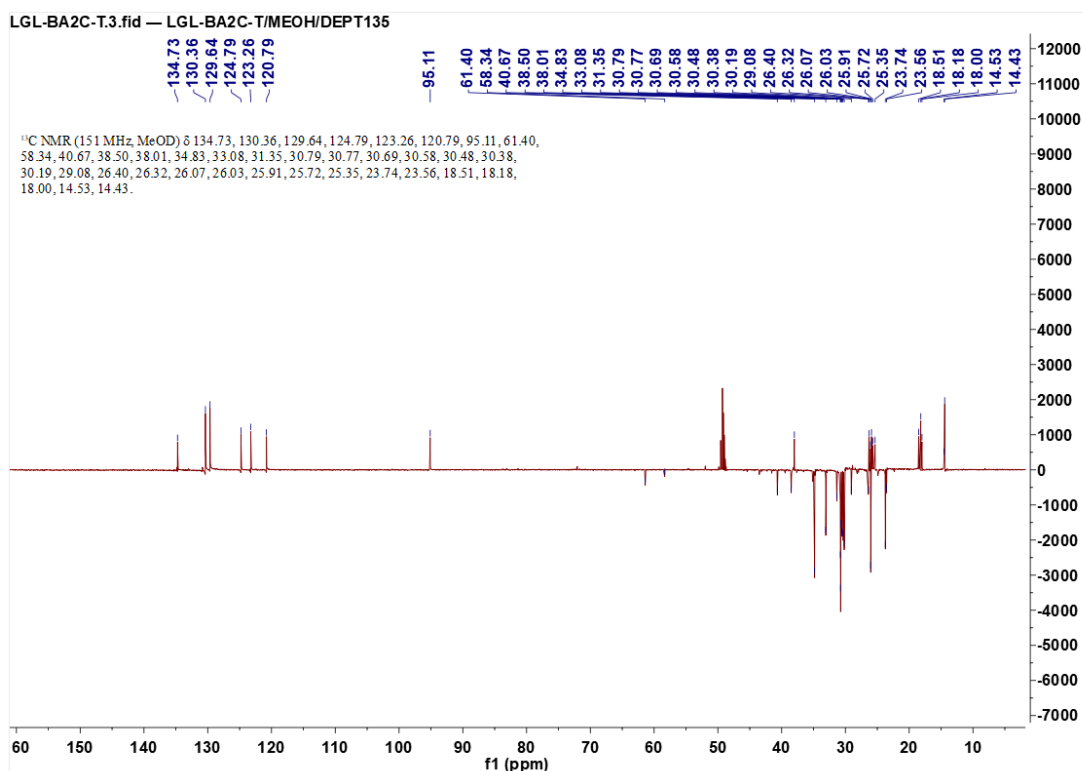


Figure S15. HSQC spectrum of 4,8-*epi*-uralione G (**2**) in MeOD

LGL-BA2C.5.ser — LGL-BA2C/MEOD/HSQC

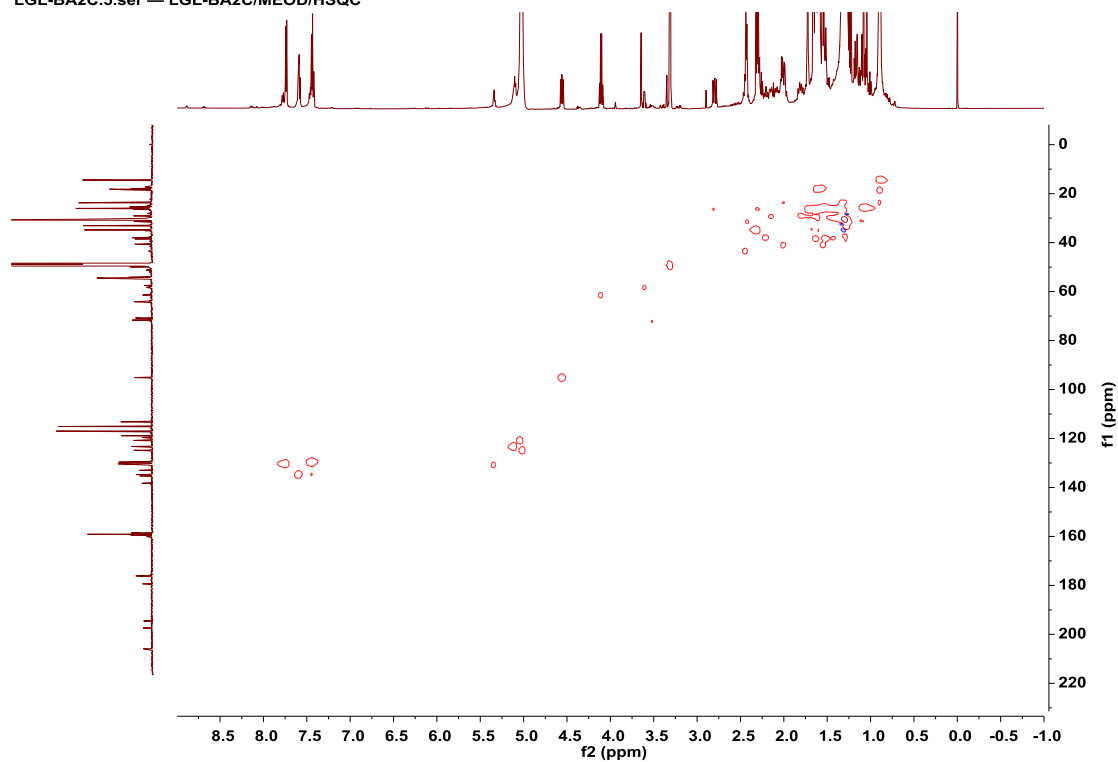


Figure S16. HMBC spectrum of 4,8-*epi*-uralione G (**2**) in MeOD

LGL-BA2C.6.ser — LGL-BA2C/MEOD/HMBC

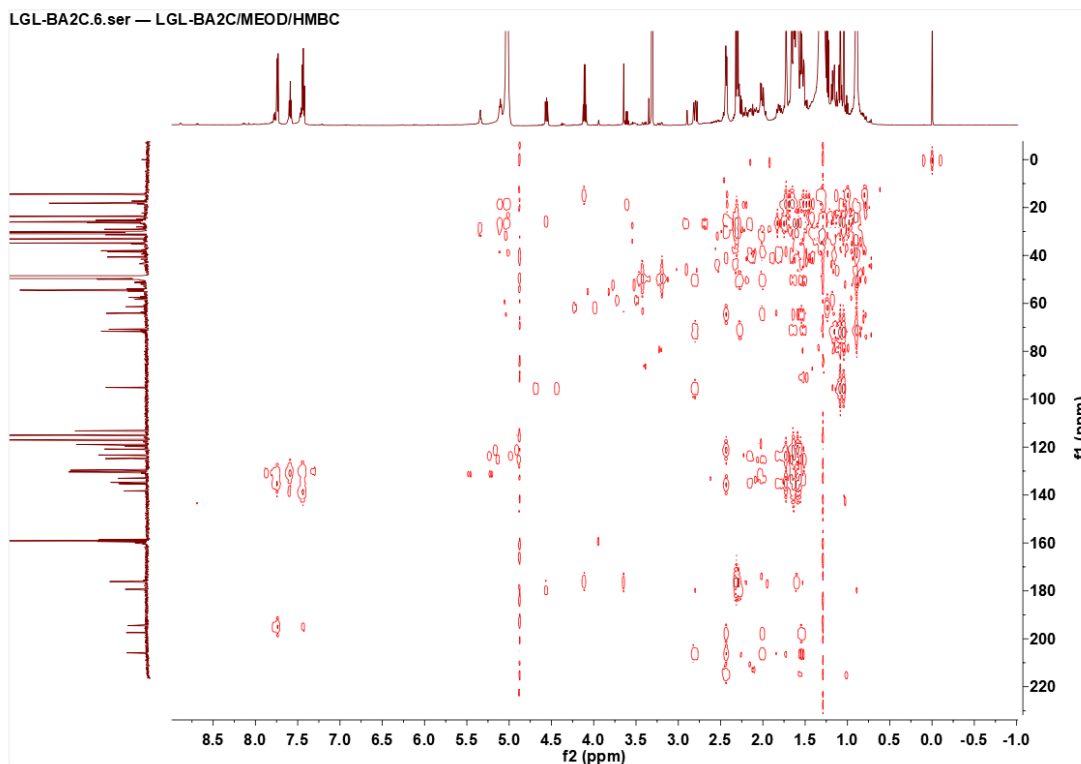


Figure S17. ROESY spectrum of 4,8-*epi*-uralione G (**2**) in MeOD

LGL-BA2C.8.1.2rr — LGL-BA2C/MEOD/ROESY

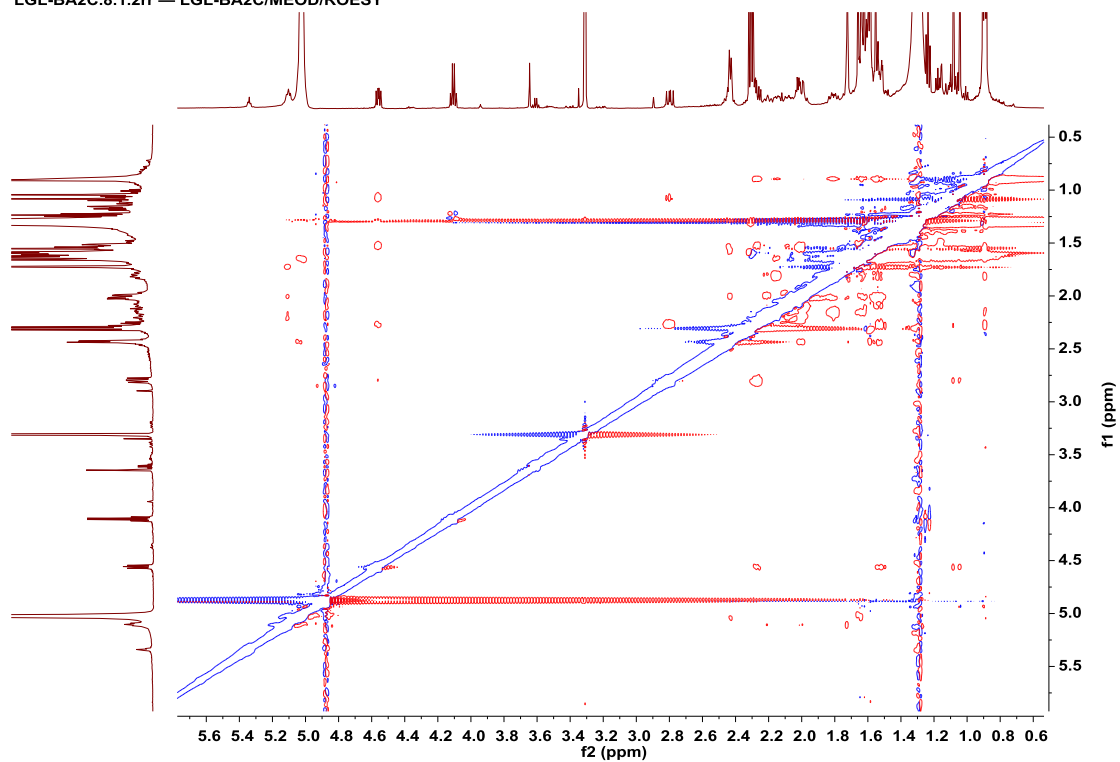


Figure S18. IR spectrum of 4,8-*epi*-uralione G (**2**)

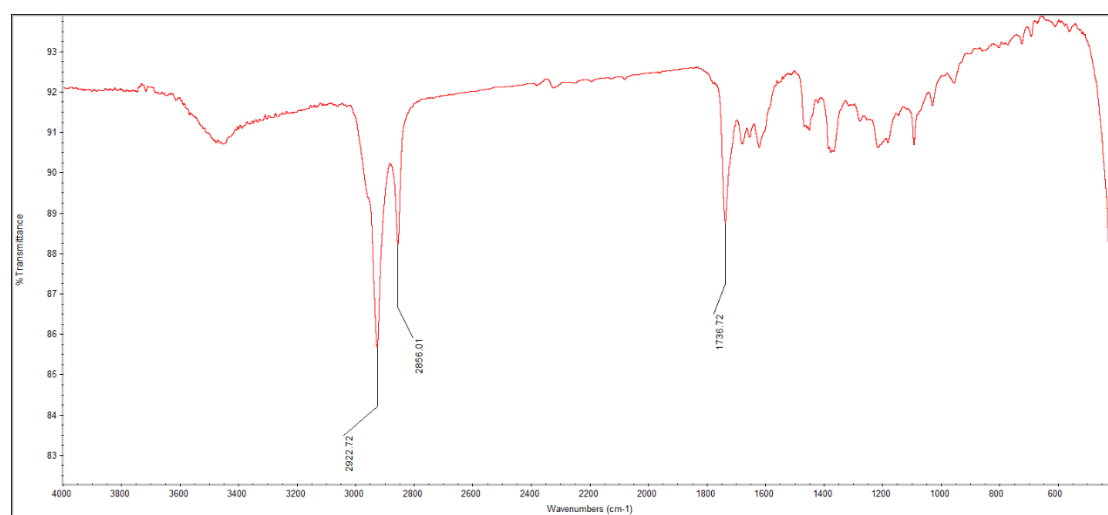


Figure S19. UV spectrum of 4,8-*epi*-uralione G (2)

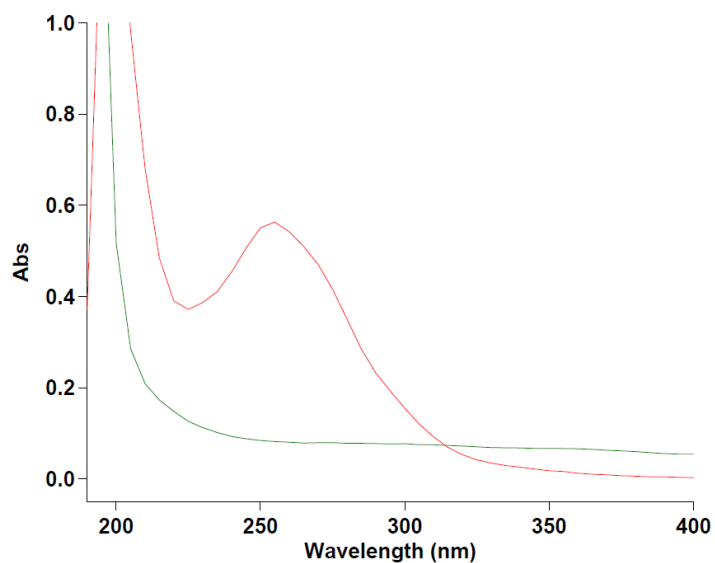


Figure S20. HRESIMS spectrum of 4,8-*epi*-uralione G (2)

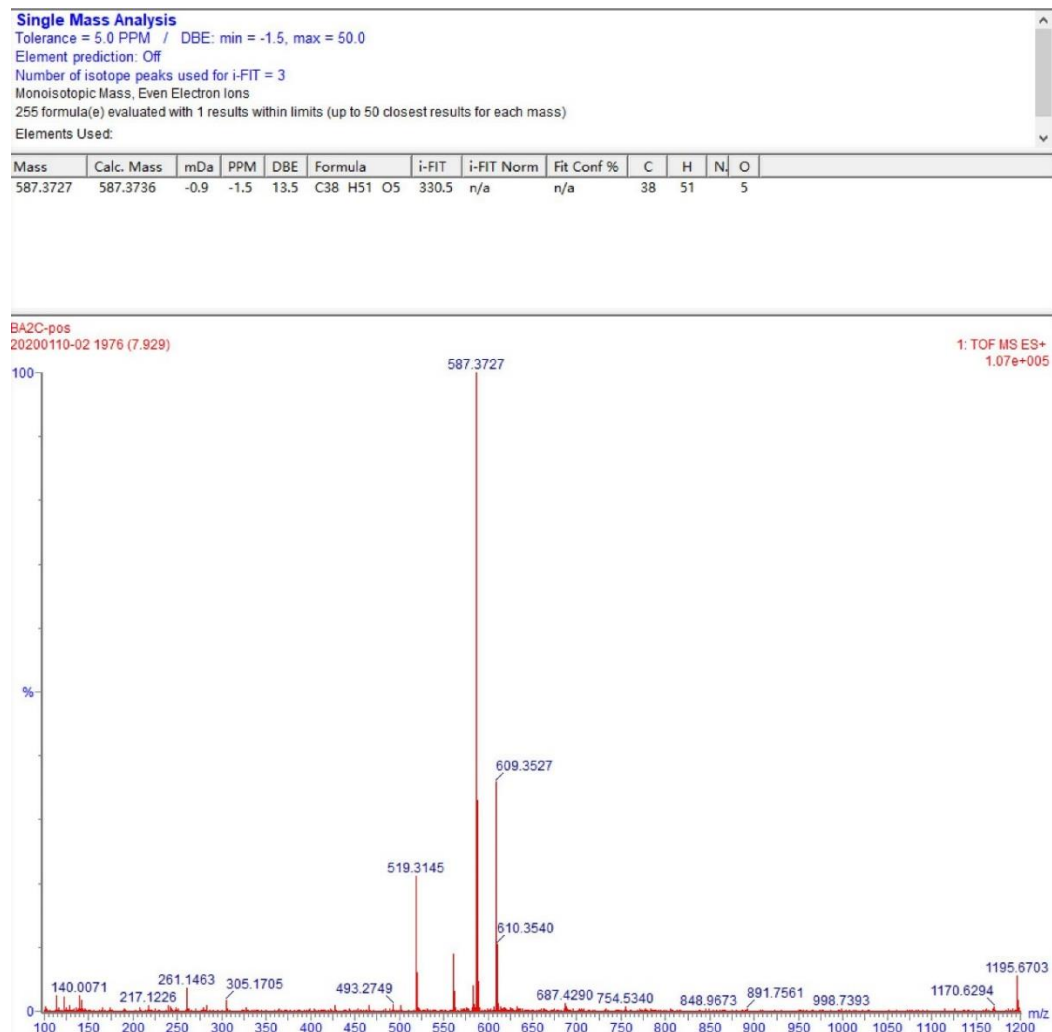


Figure S21. ECD spectrum of 4,8-*epi*-uralione G (2)

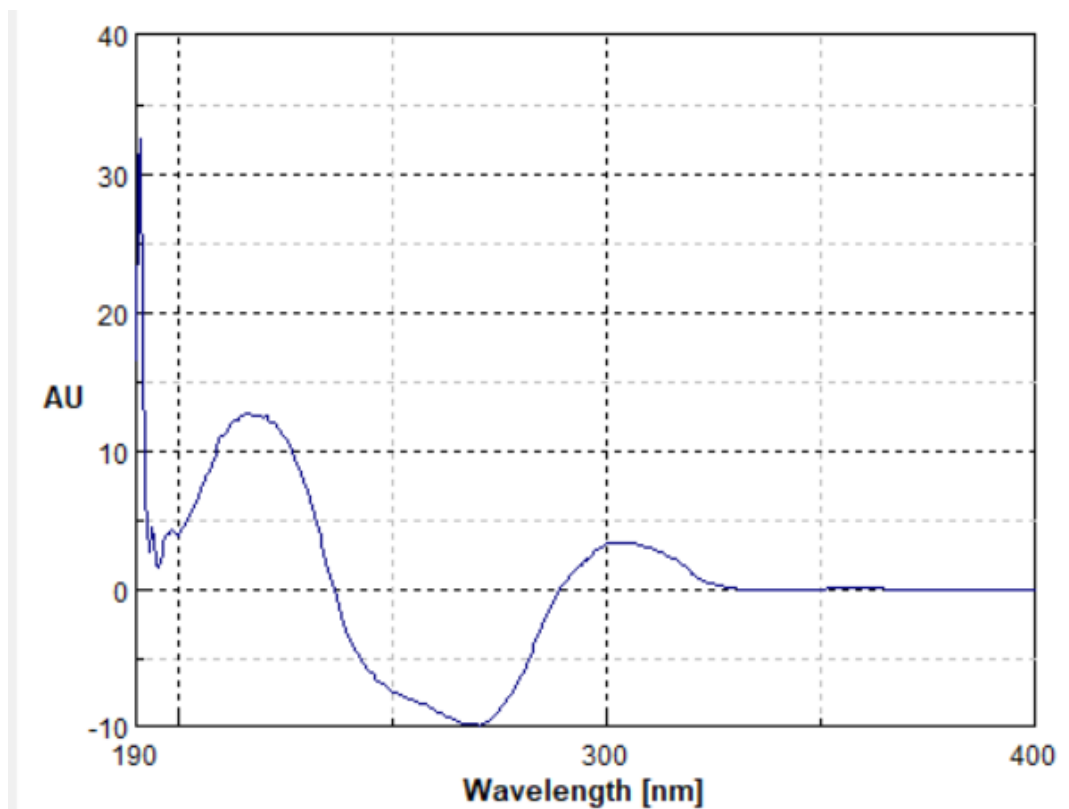


Figure S22. ^1H NMR spectrum of uralione S (3) in MeOD

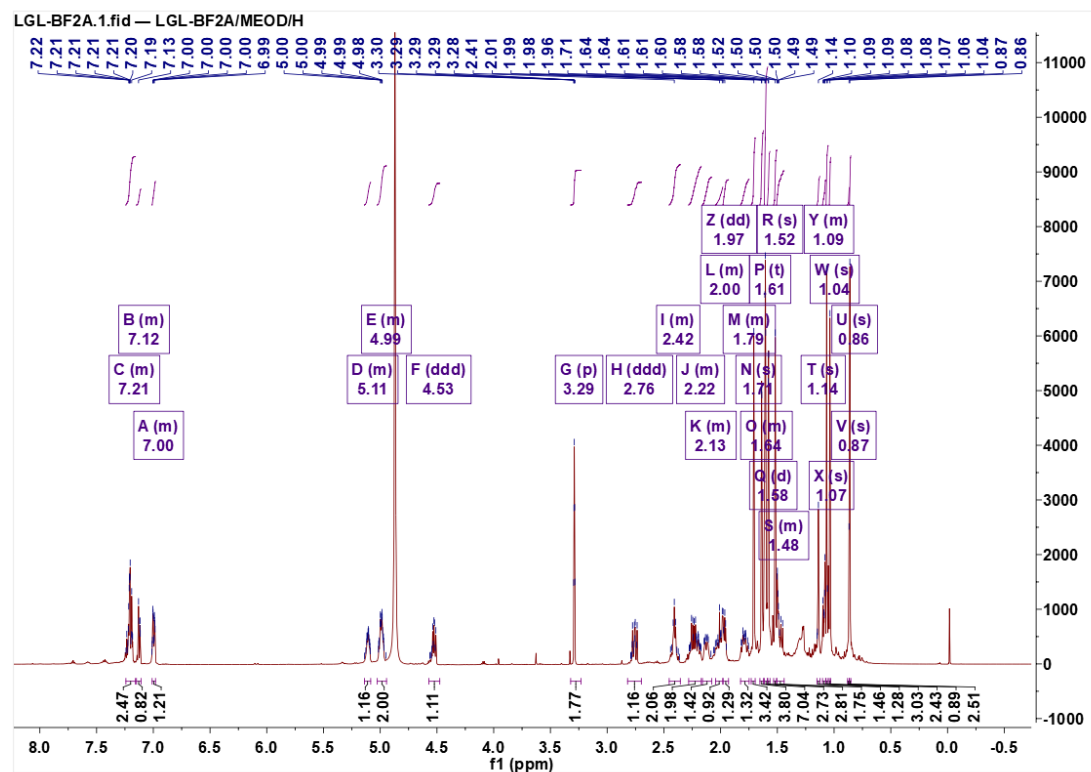


Figure S23. ^{13}C NMR spectrum of uralione S (**3**) in MeOD

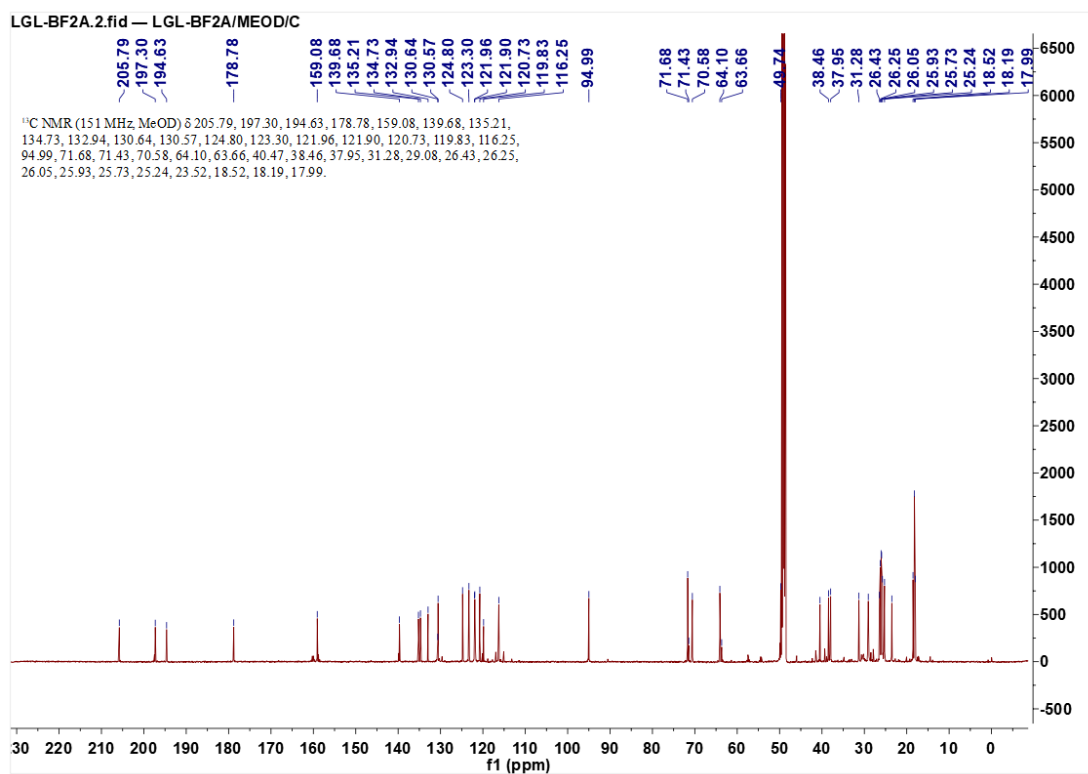


Figure S24. DEPT 135 spectrum of uralione S (**3**) in MeOD

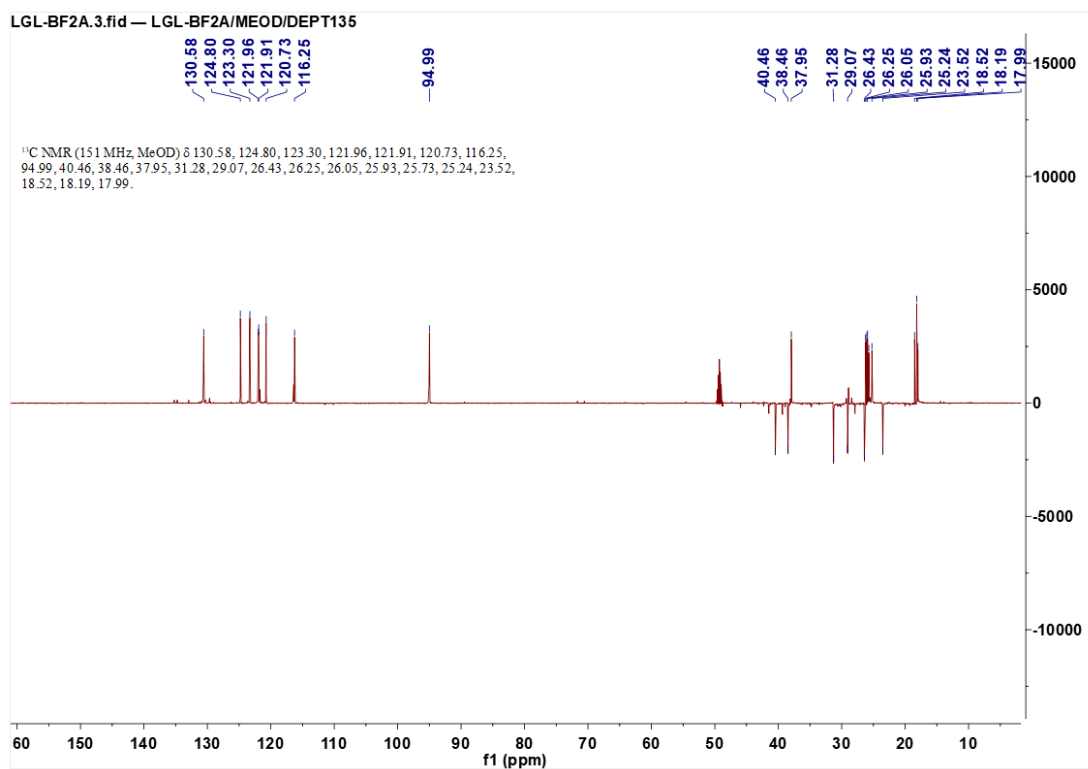


Figure S25. HSQC spectrum of uralione S (**3**) in MeOD

BF2A.1.ser — BF2A/MEOD/HSQC

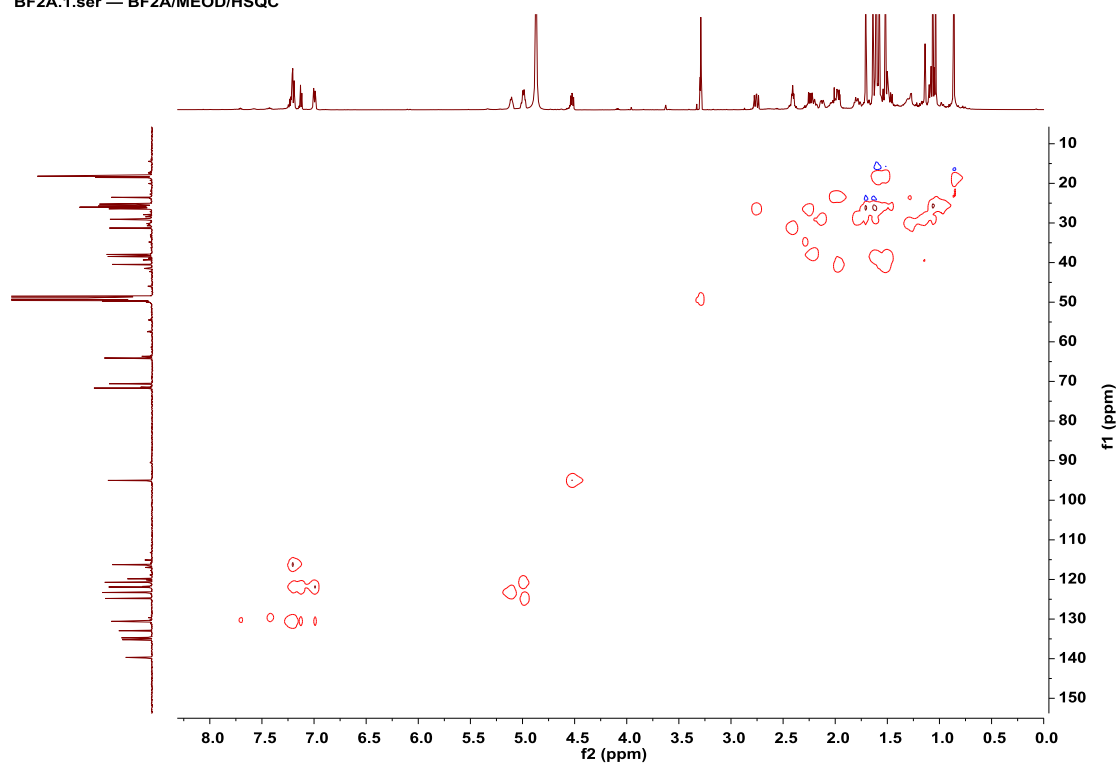


Figure S26. HMBC spectrum of uralione S (**3**) in MeOD

BF2A.2.ser — BF2A/MEOD/HMBC

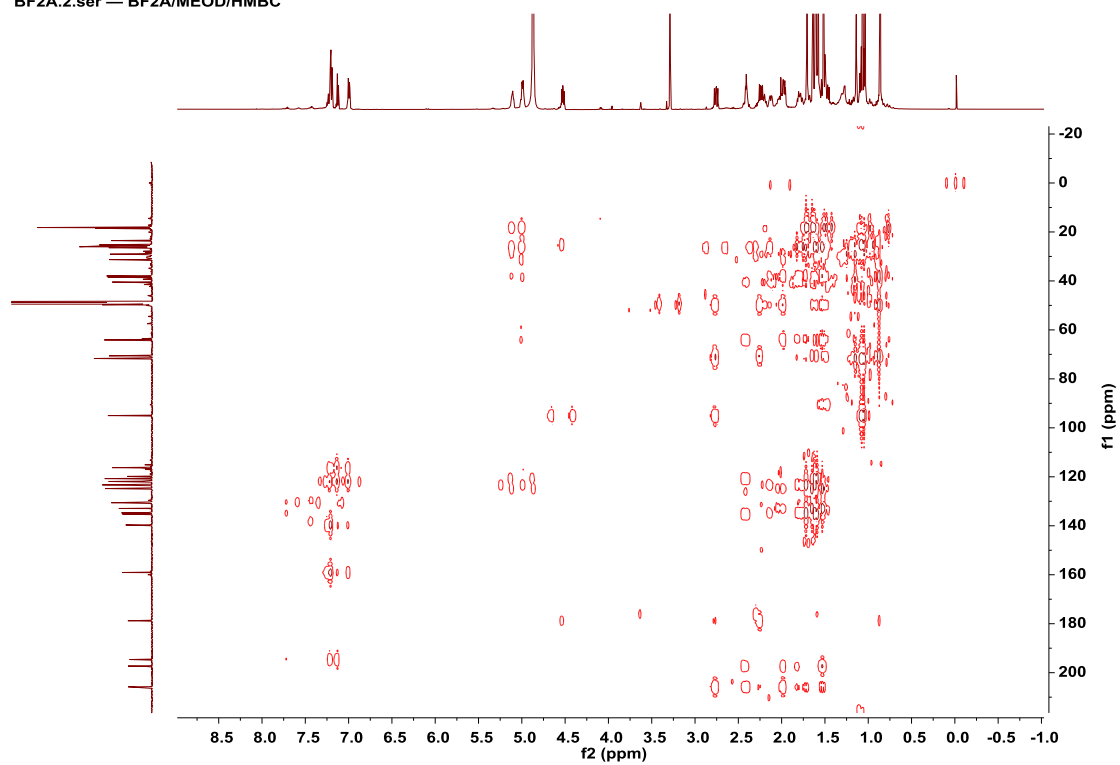


Figure S27. ROESY spectrum of uralione S (3) in MeOD

BF2A.3.ser — BF2A/MEOD/NOESY

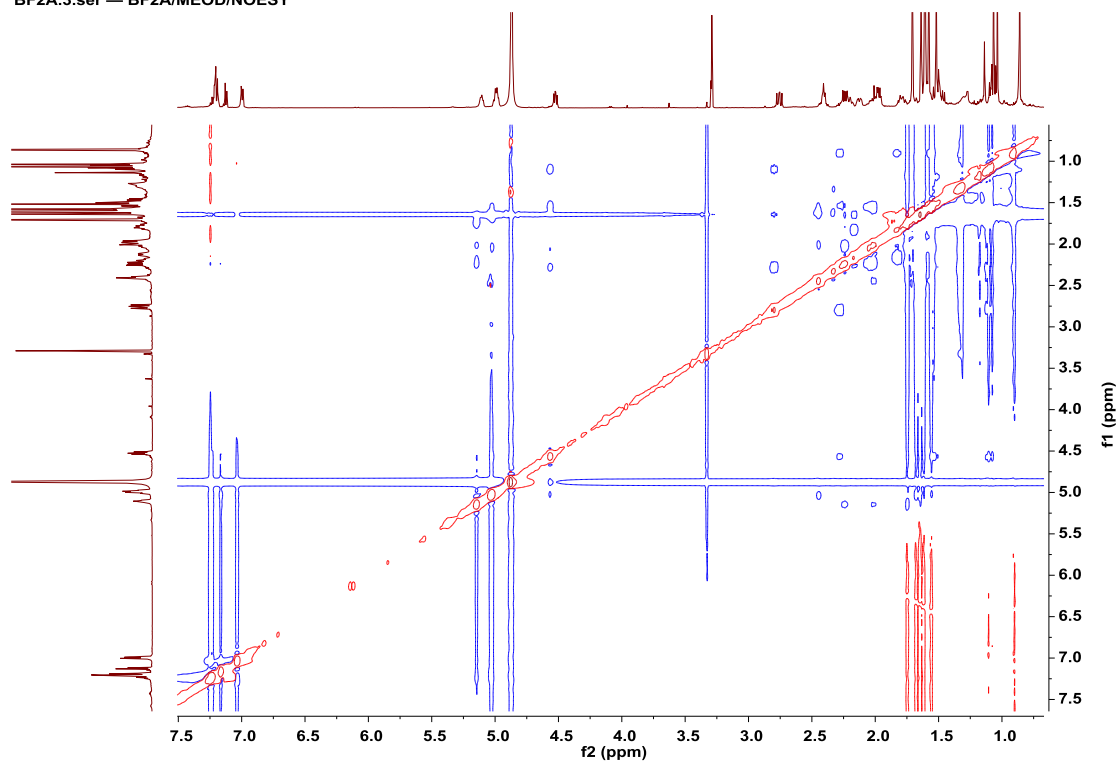


Figure S28. IR spectrum of uralione S (3)

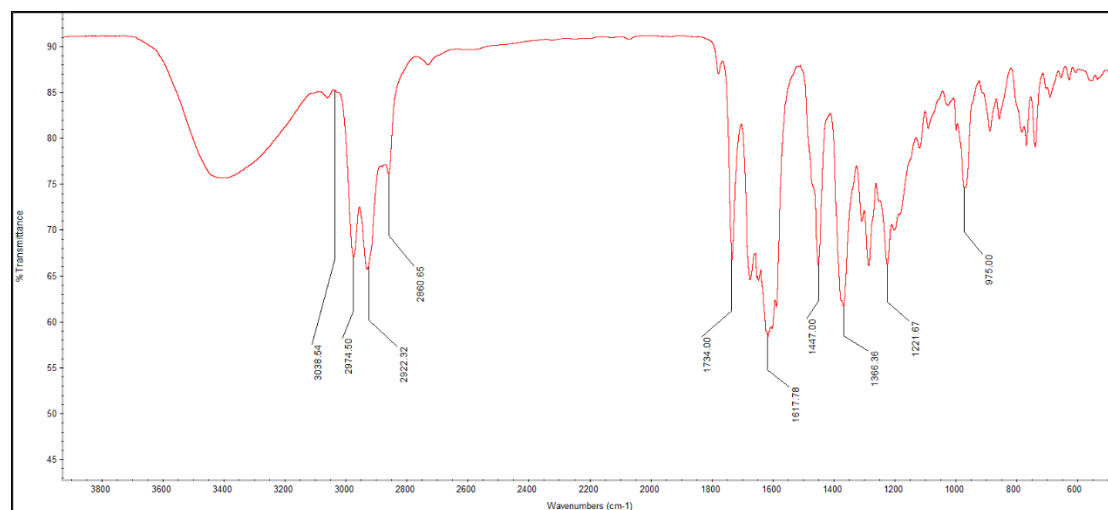


Figure S29. UV spectrum of uralione S (3)

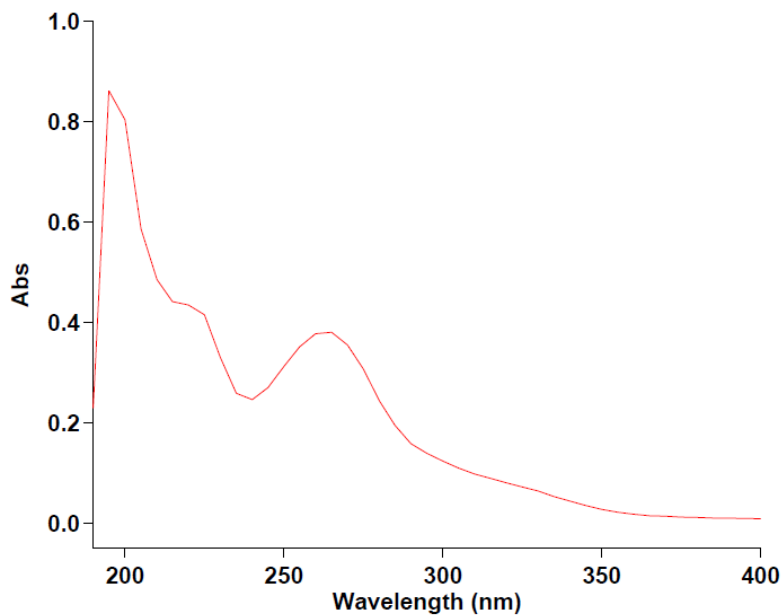


Figure S30. HRESIMS spectrum of uralione S (3)

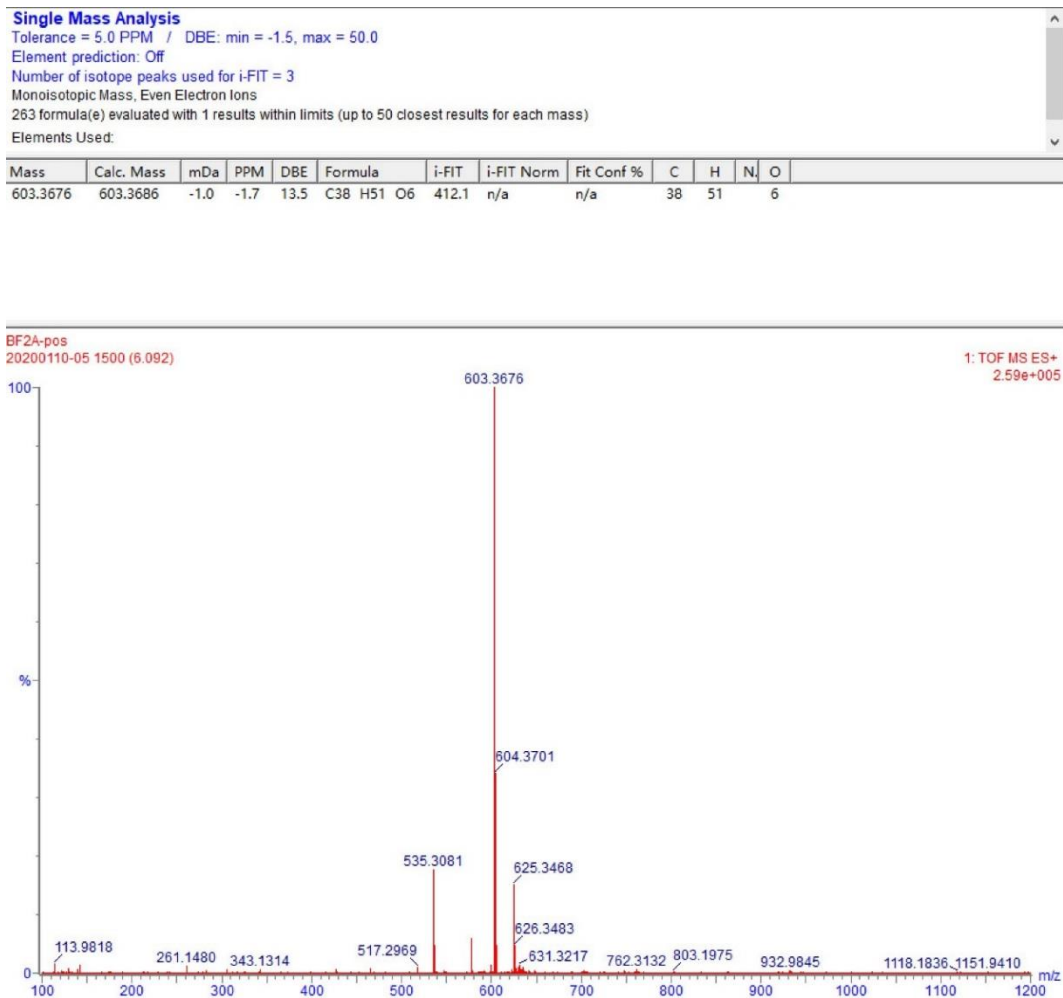


Figure S31. ECD spectrum of uralione S (3)

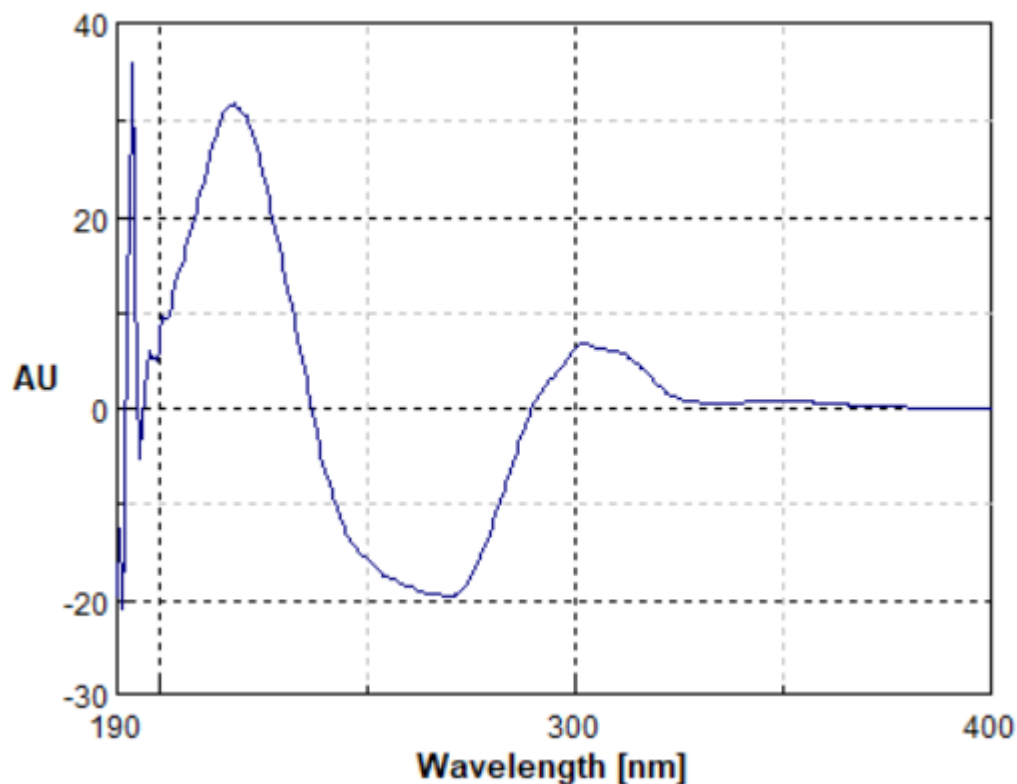


Figure S32. ^1H NMR spectrum of coccinone J (4) in MeOD

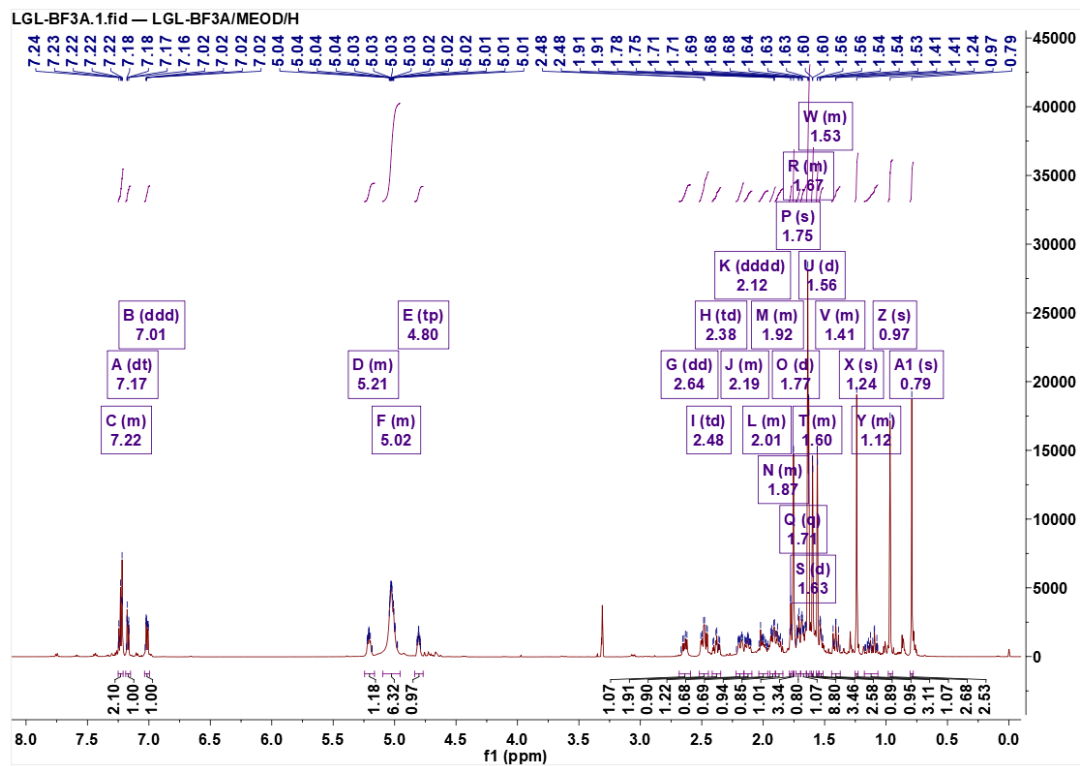


Figure S33. ^{13}C NMR spectrum of coccinone J (**4**) in MeOD

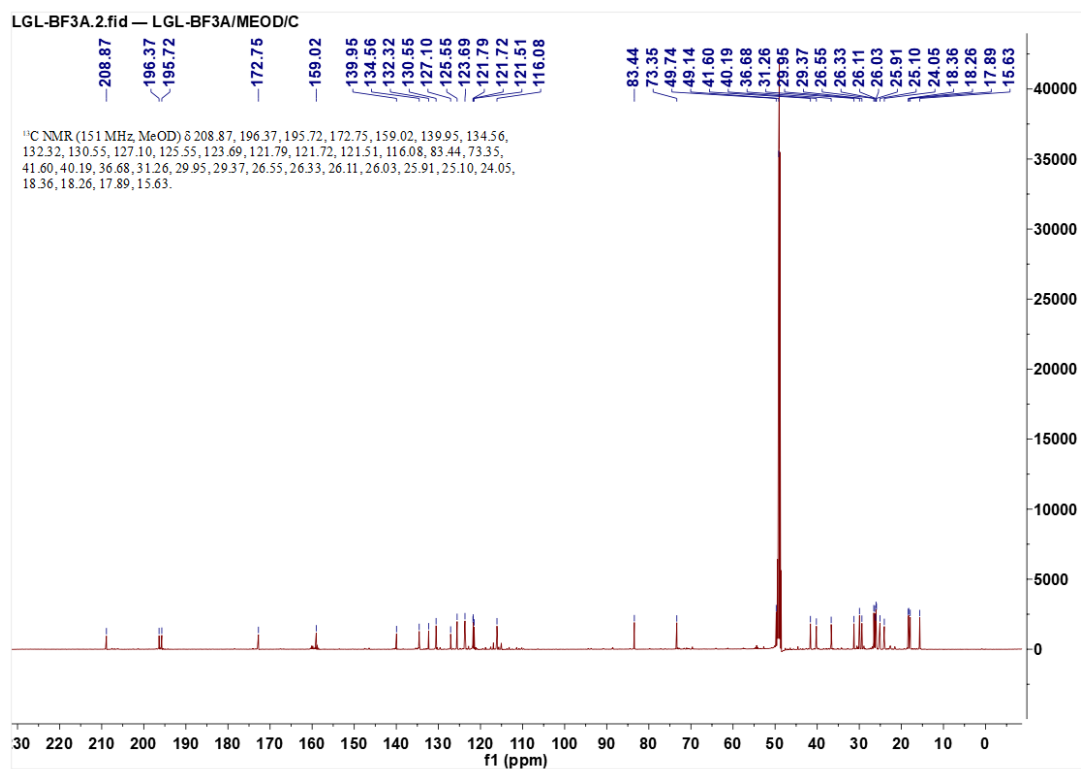


Figure S34. DEPT 135 spectrum of coccinone J (**4**) in MeOD

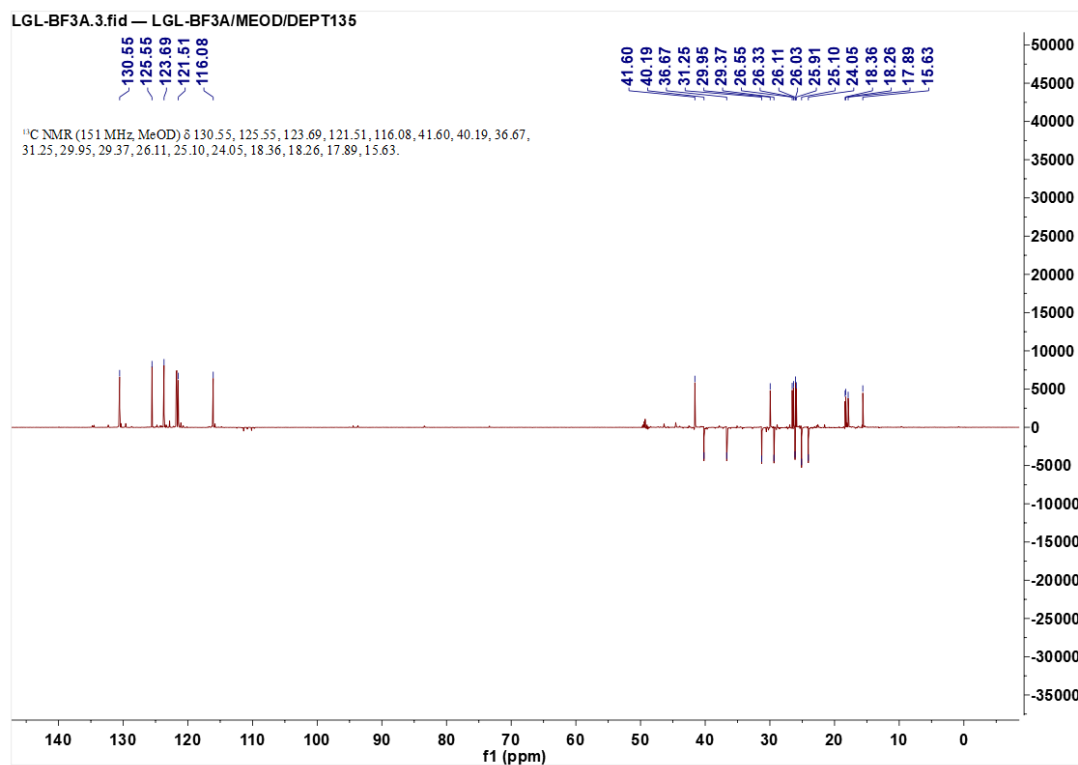


Figure S35. HSQC spectrum of coccinone J (**4**) in MeOD

BF3A.1.ser — BF3A/MEOD/HSQC

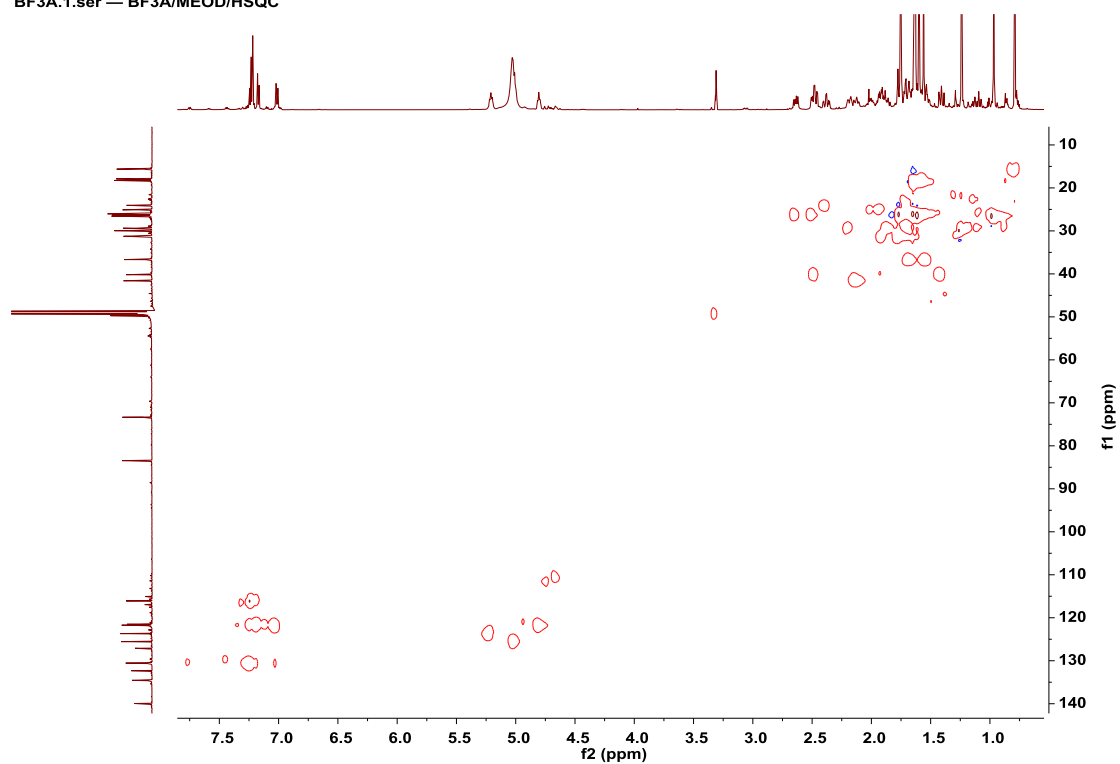


Figure S36. HMBC spectrum of coccinone J (**4**) in MeOD

BF3A.2.ser — BF3A/MEOD/HMBC

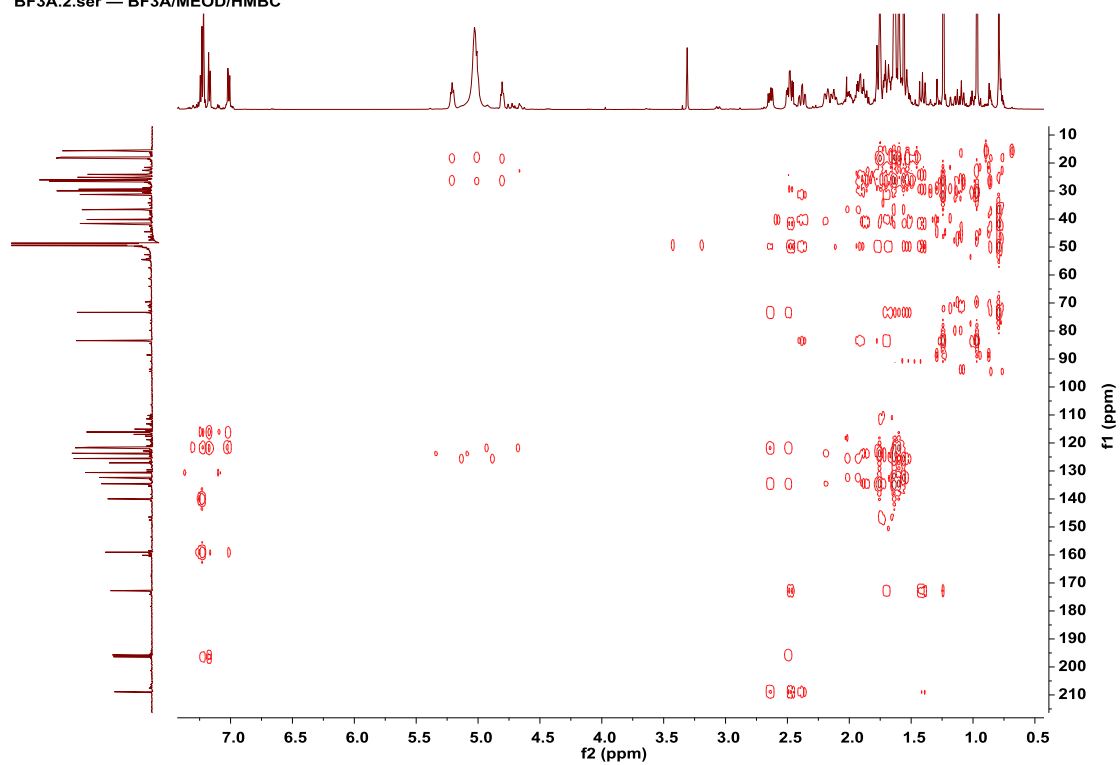


Figure S37. ROESY spectrum of coccinone J (**4**) in MeOD

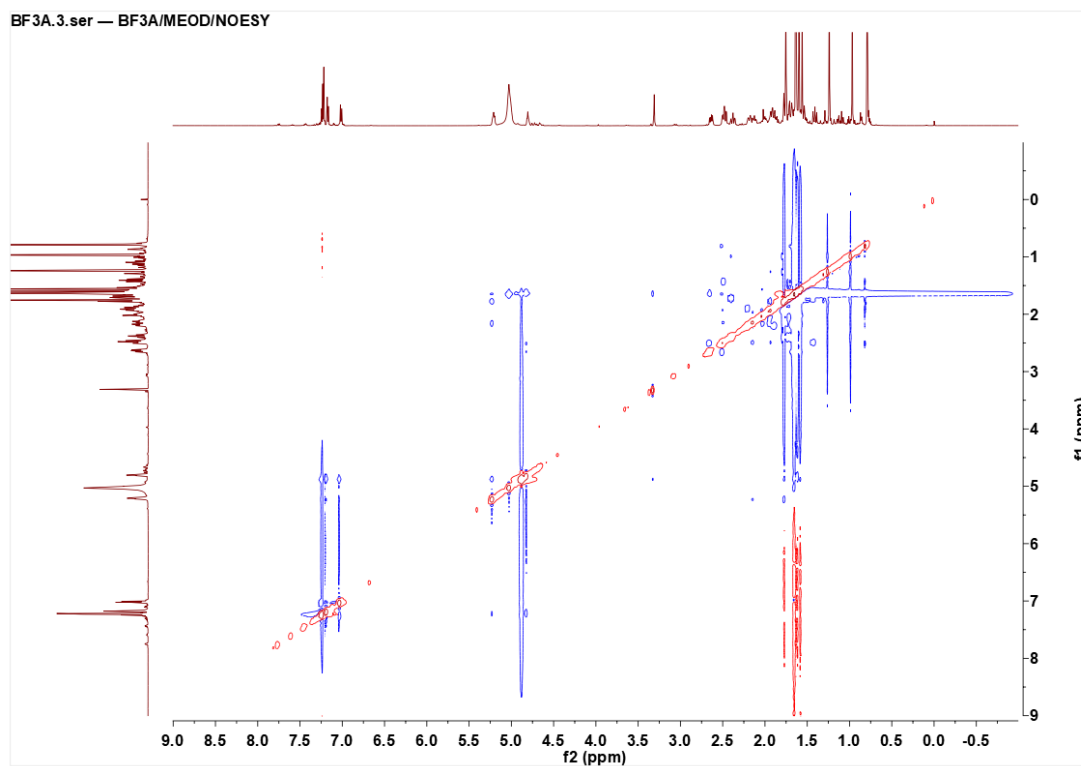


Figure S38. IR spectrum of coccinone J (**4**)

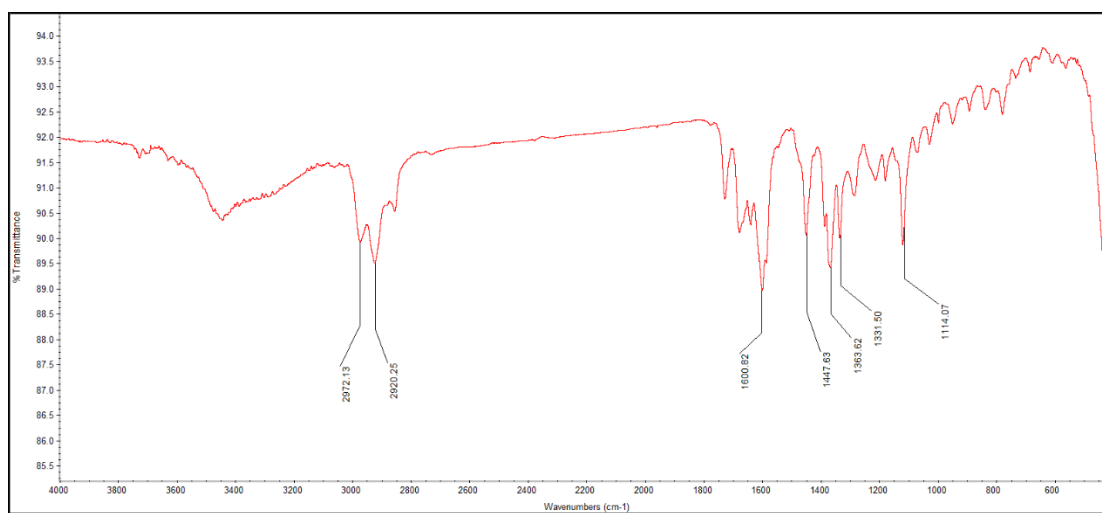


Figure S39. UV spectrum of coccinone J (4)

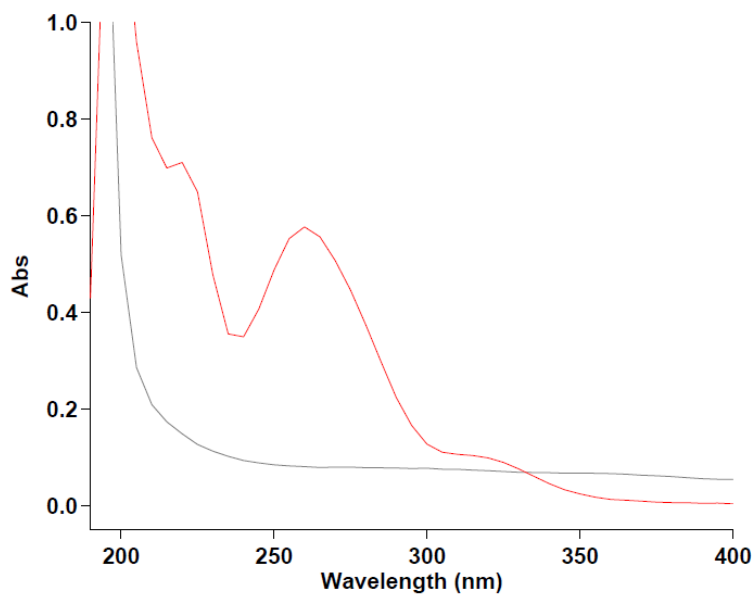


Figure S40. HRESIMS spectrum of coccinone J (4)

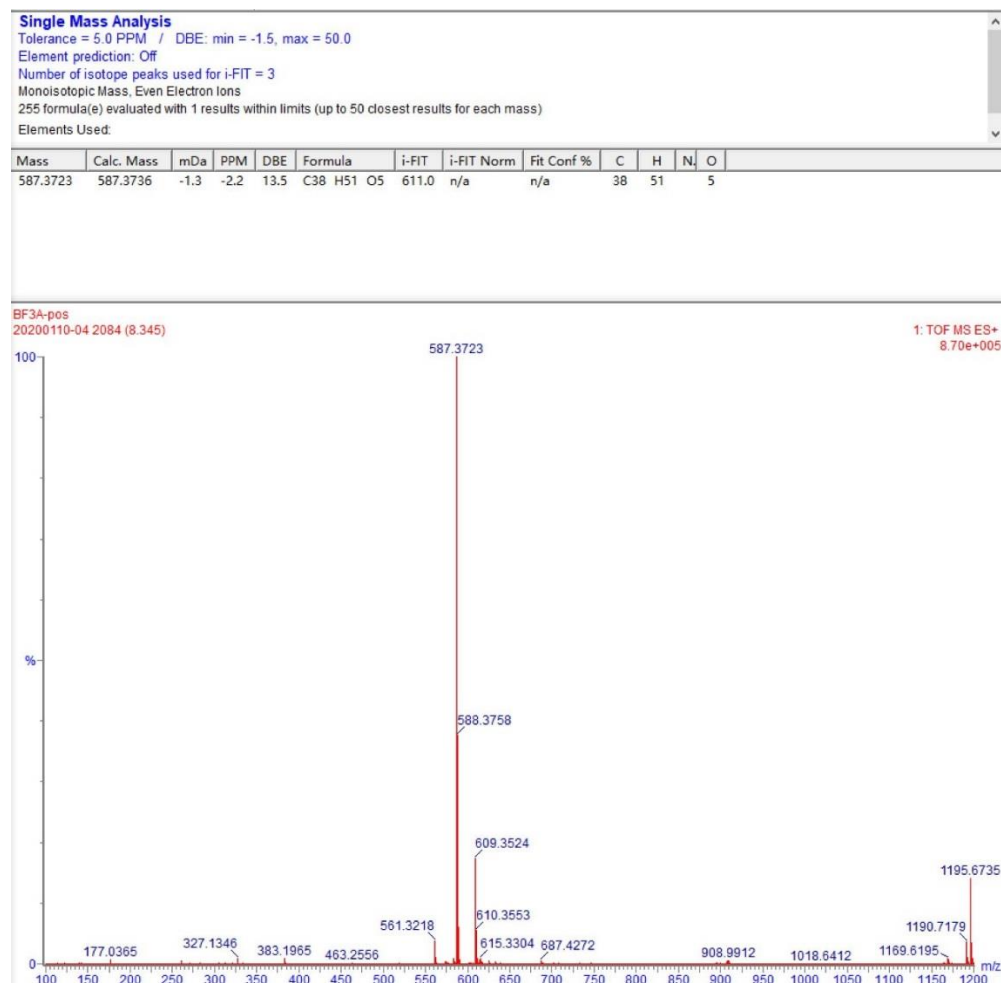


Figure S41. ECD spectrum of coccinone J (4)

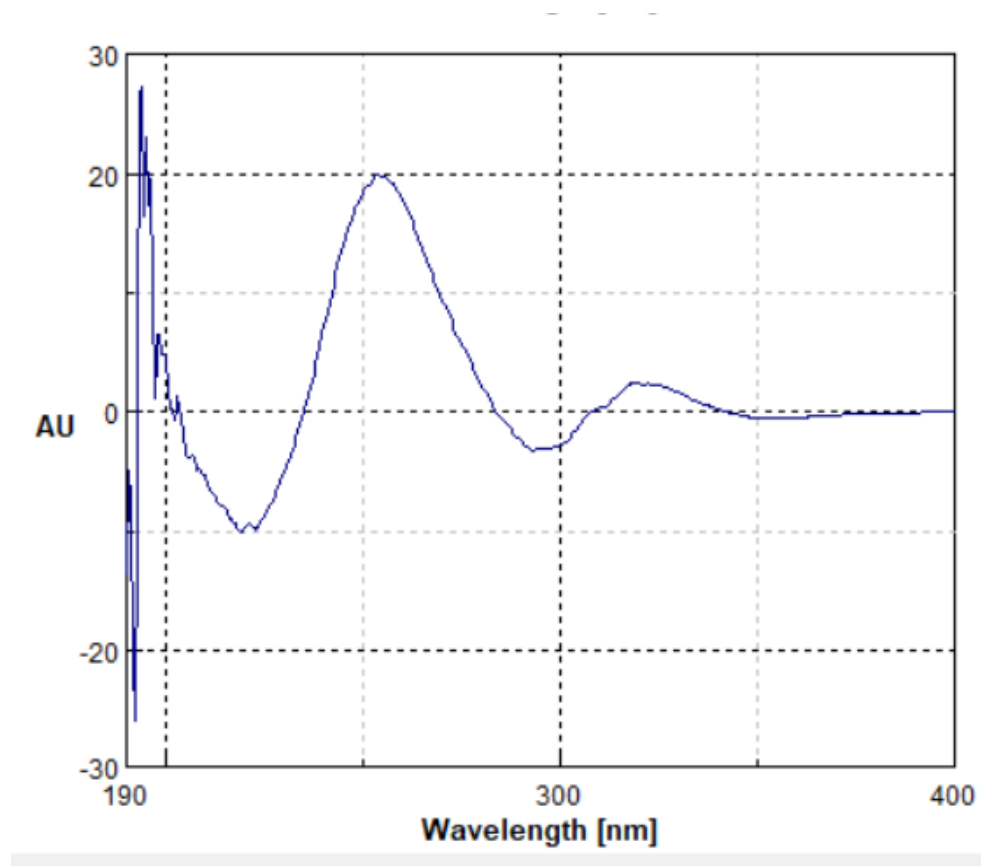


Figure S42. ^1H NMR spectrum of 6-*epi*-coccinone C (5) in MeOD

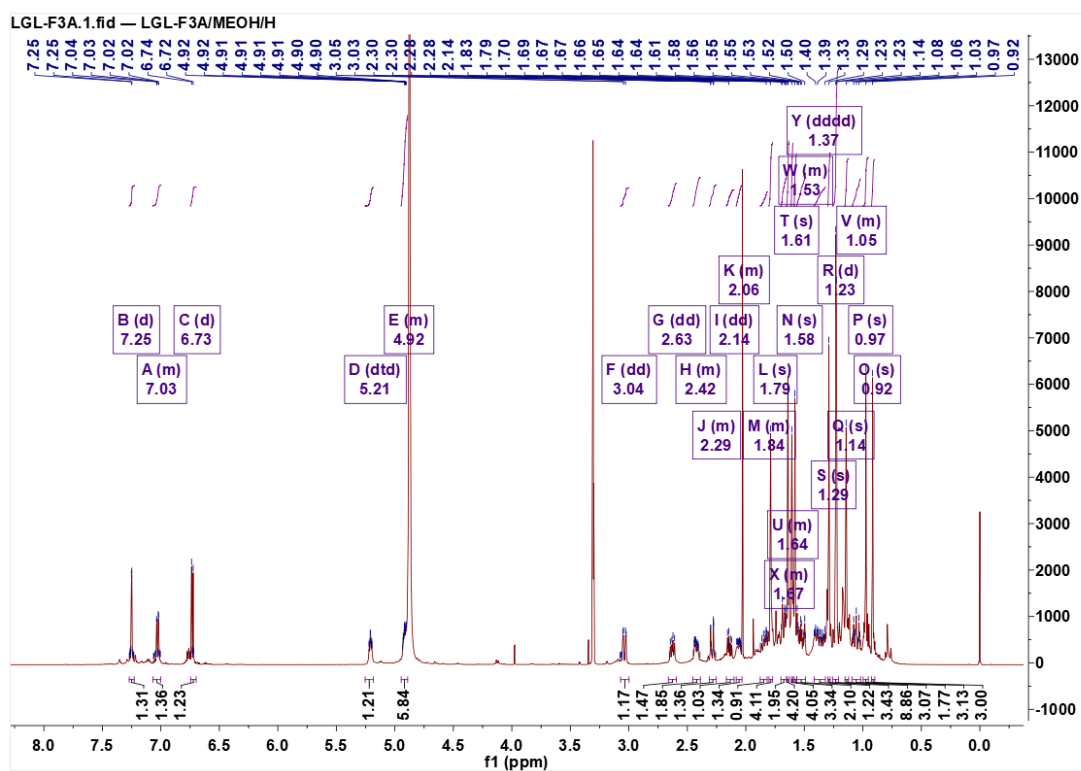


Figure S43. ^{13}C NMR spectrum of 6-*epi*-coccinone C (**5**) in MeOD

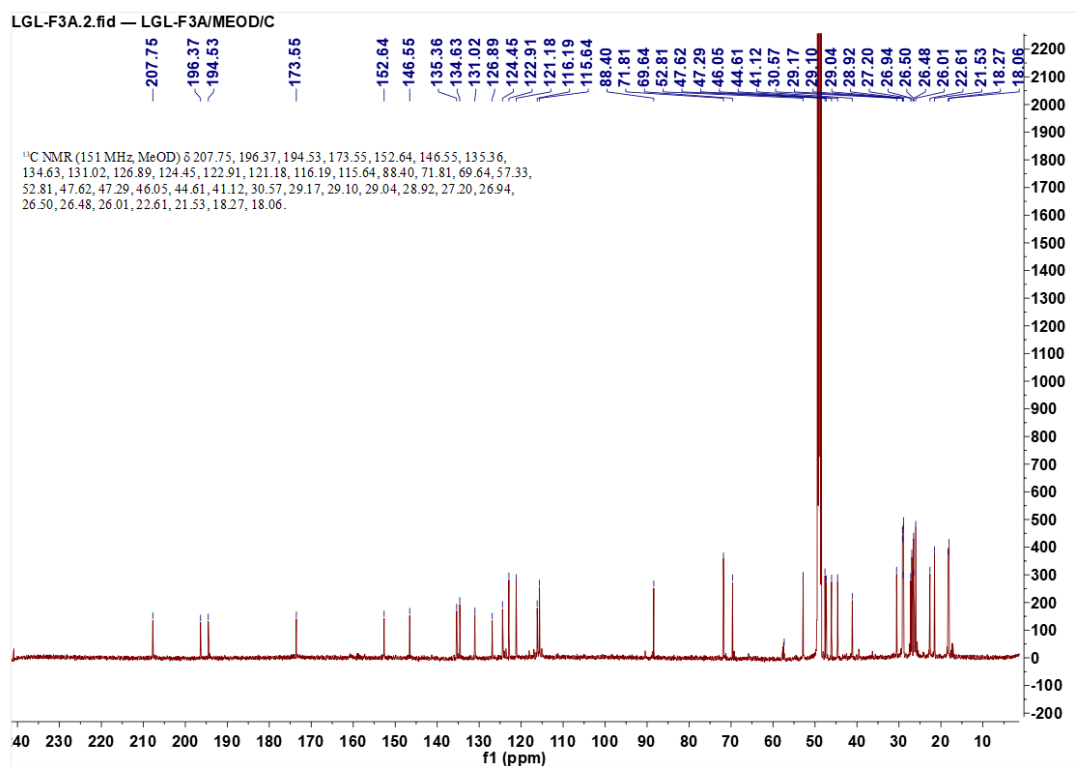


Figure S44. DEPT 135 spectrum of 6-*epi*-coccinone C (**5**) in MeOD

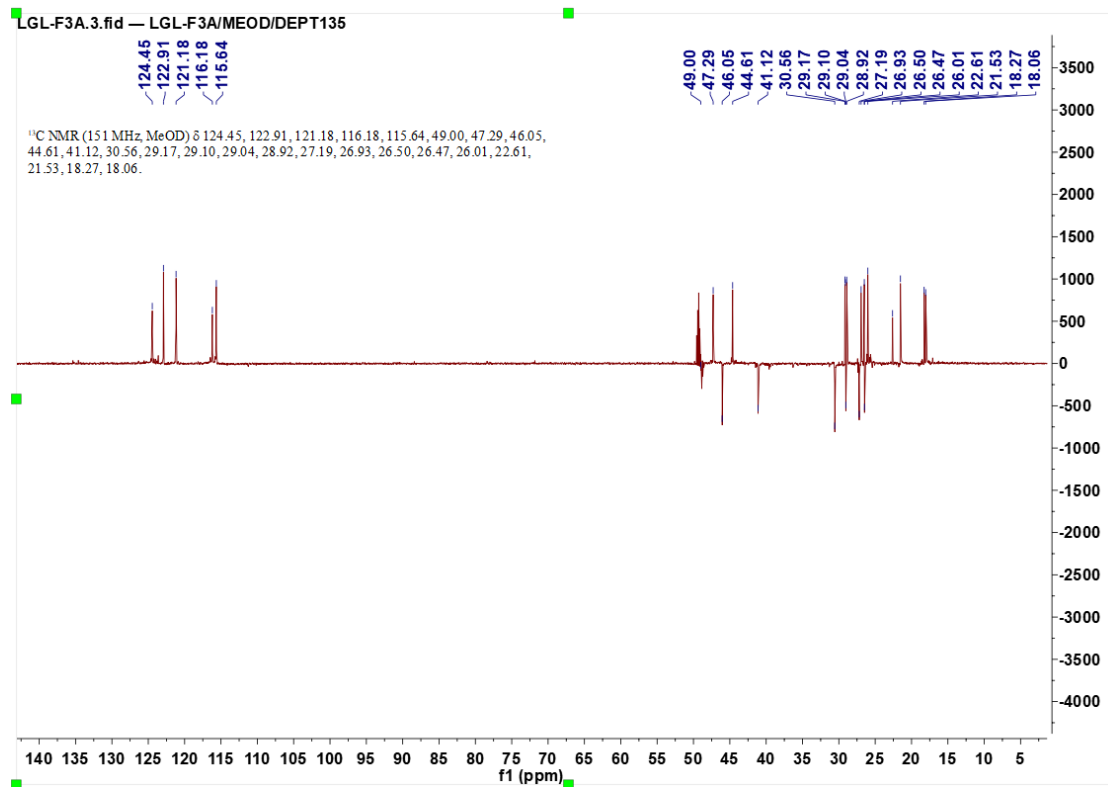


Figure S45. HSQC spectrum of 6-*epi*-coccinone C (5) in MeOD

LGL-F3A.4.ser — LGL-F3A/MeOD/HSQC

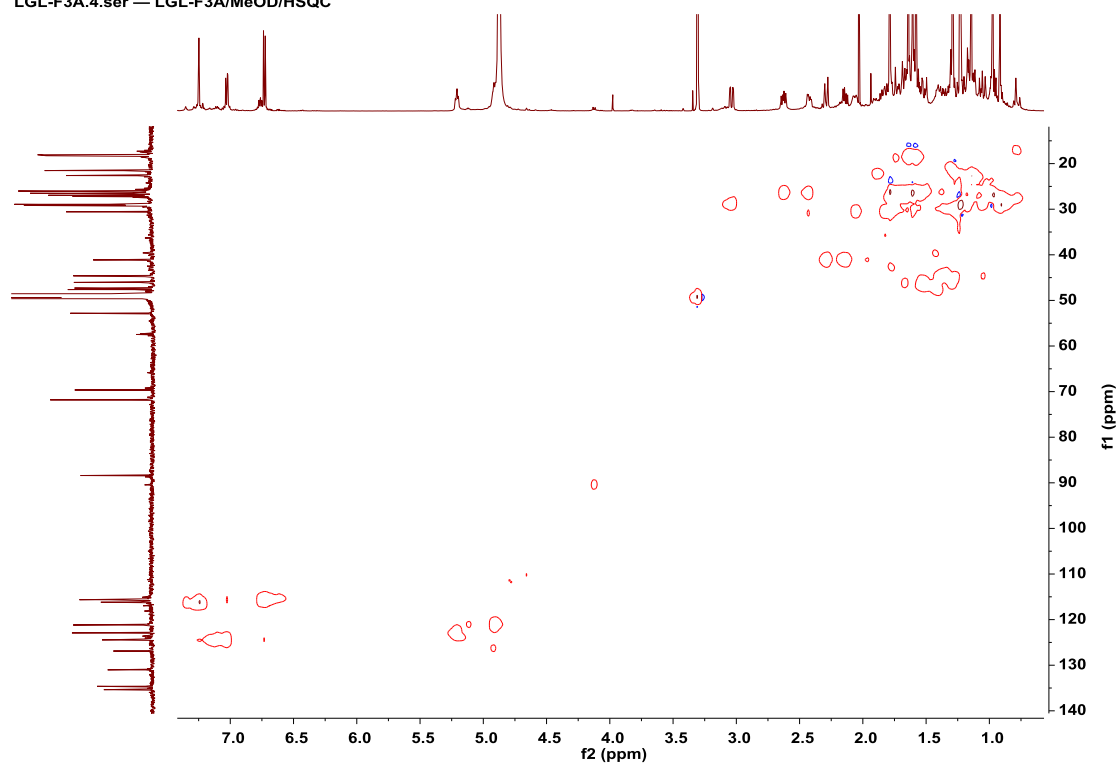


Figure S46. HMBC spectrum of 6-*epi*-coccinone C (5) in MeOD

LGL-F3A.5.ser — LGL-F3A/MeOD/HMBC

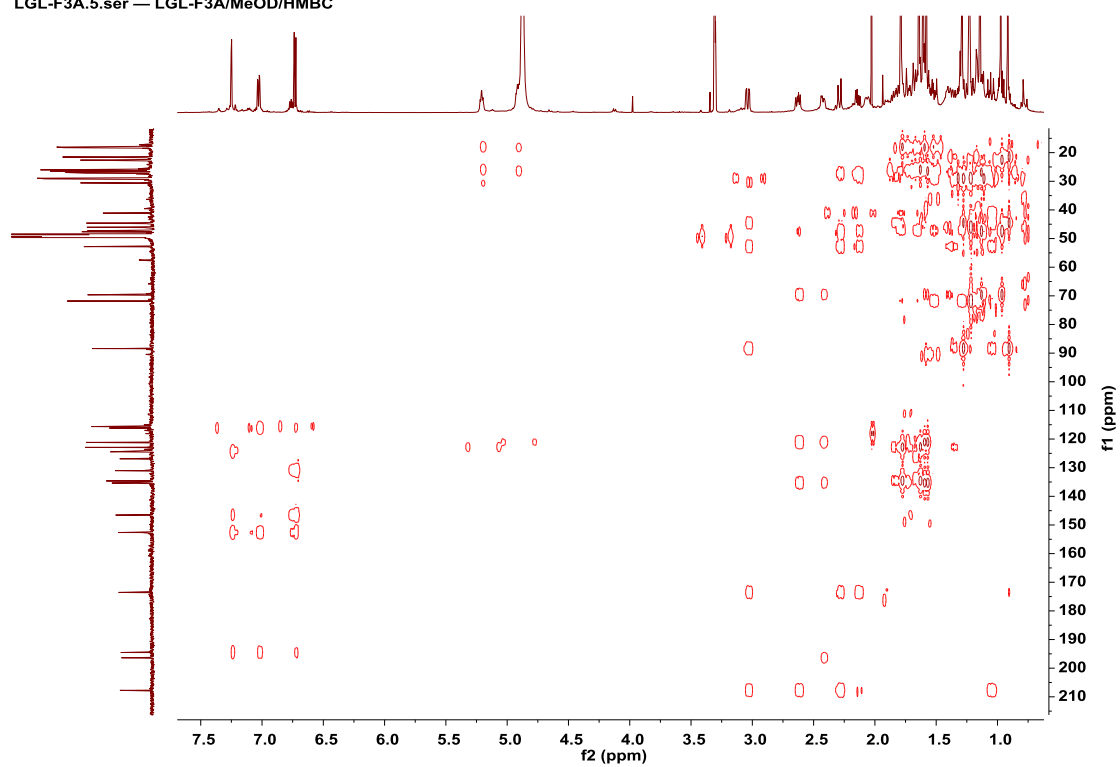


Figure S47. ROESY spectrum of 6-*epi*-coccinone C (**5**) in MeOD

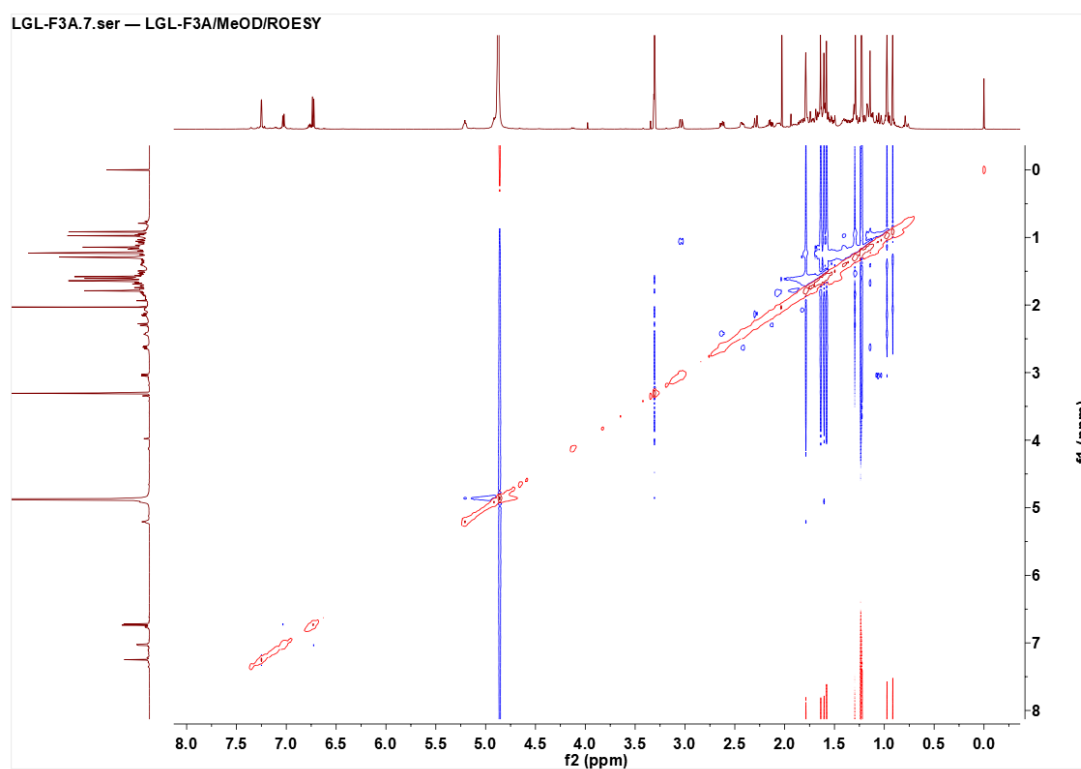


Figure S48. IR spectrum of 6-*epi*-coccinone C (**5**)

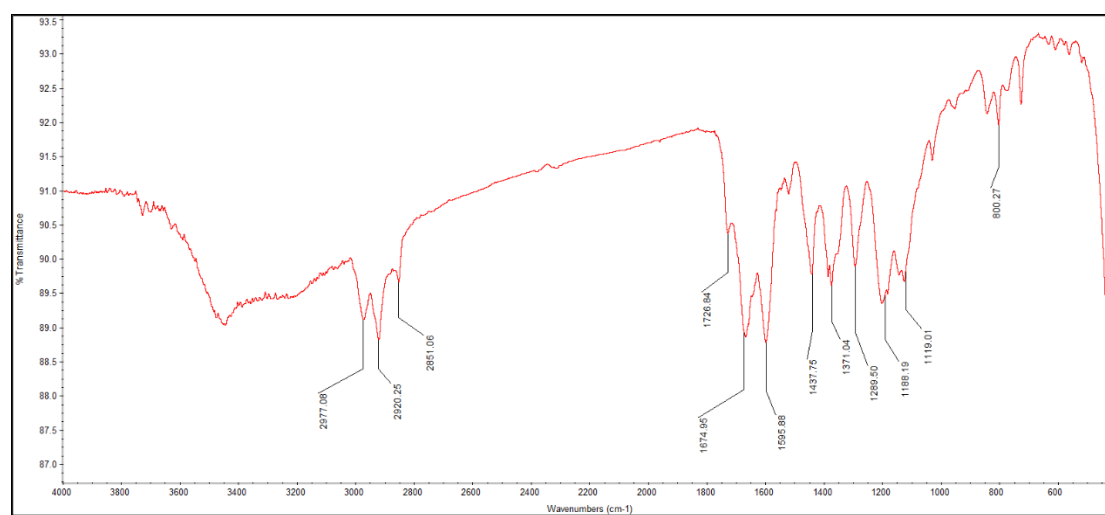


Figure S49. UV spectrum of 6-*epi*-coccinone C (5)

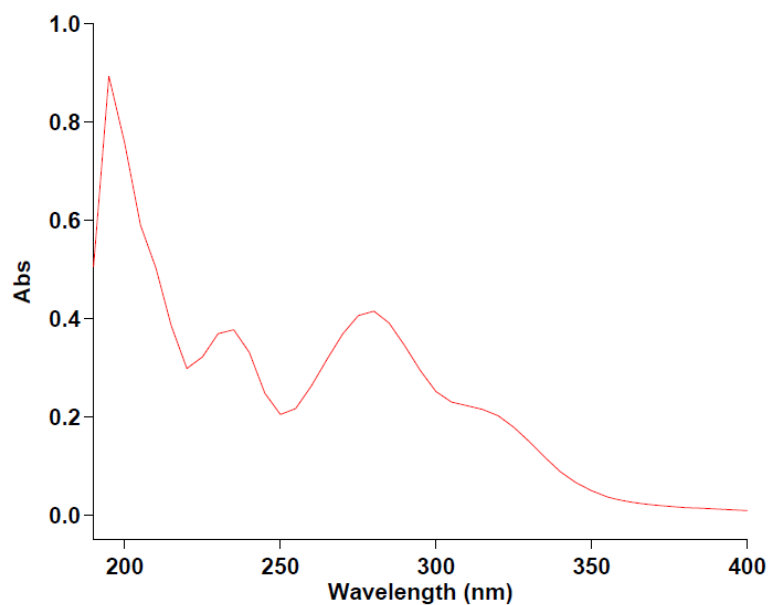


Figure S50. HRESIMS spectrum of 6-*epi*-coccinone C (5)

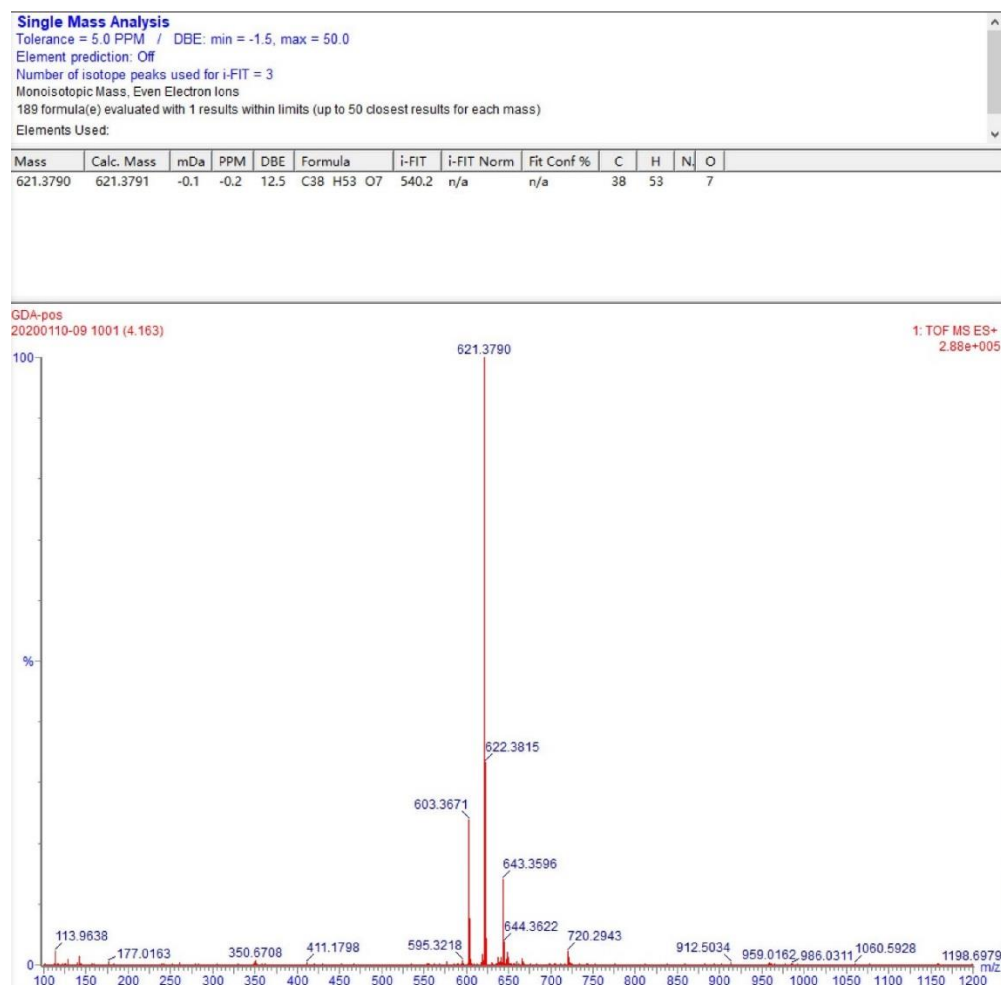


Figure S51. ECD spectrum of 6-*epi*-coccinone C (5)

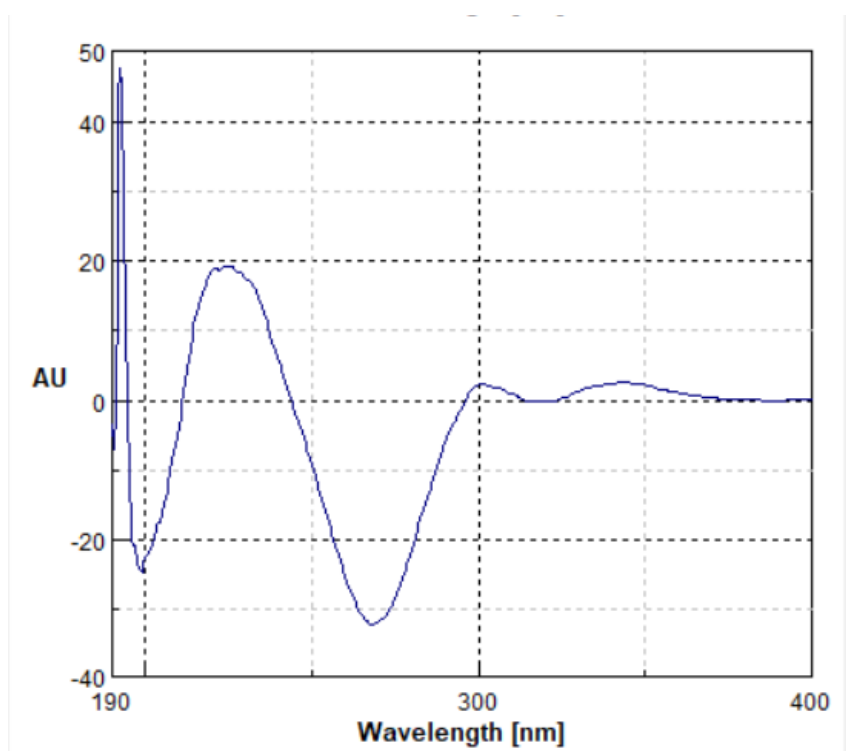


Figure S52. ^1H NMR spectrum of coccinone I (6) in MeOD

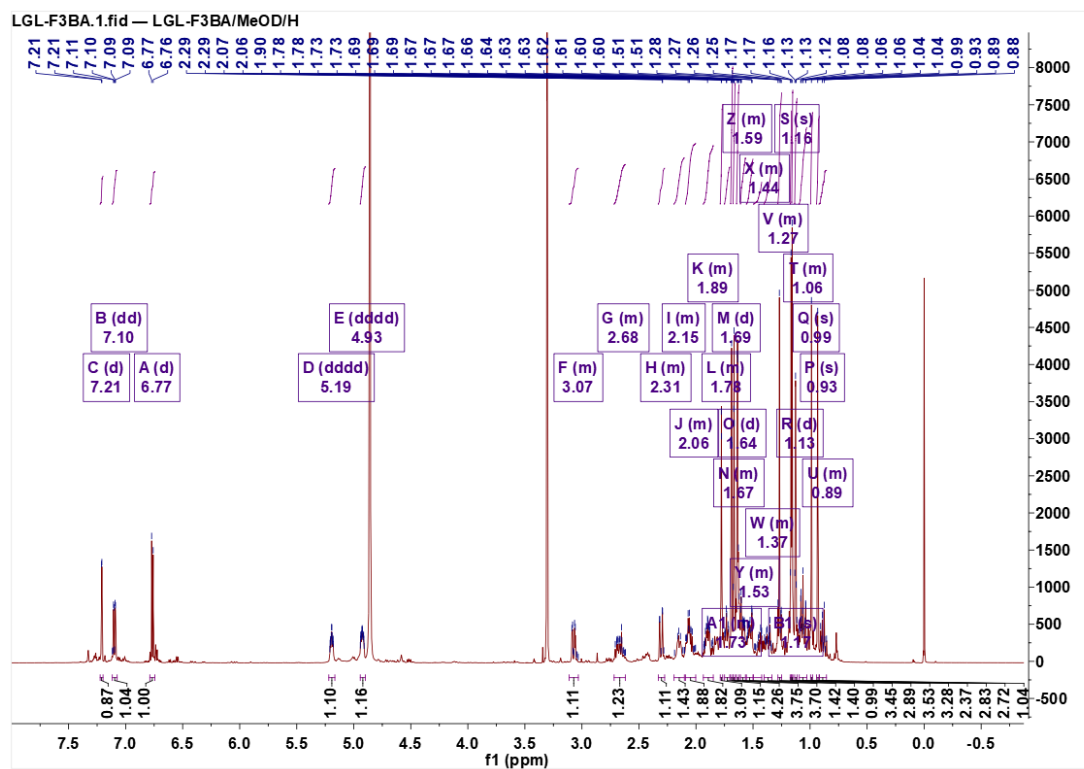


Figure S53. ^{13}C NMR spectrum of coccinone I (**6**) in MeOD

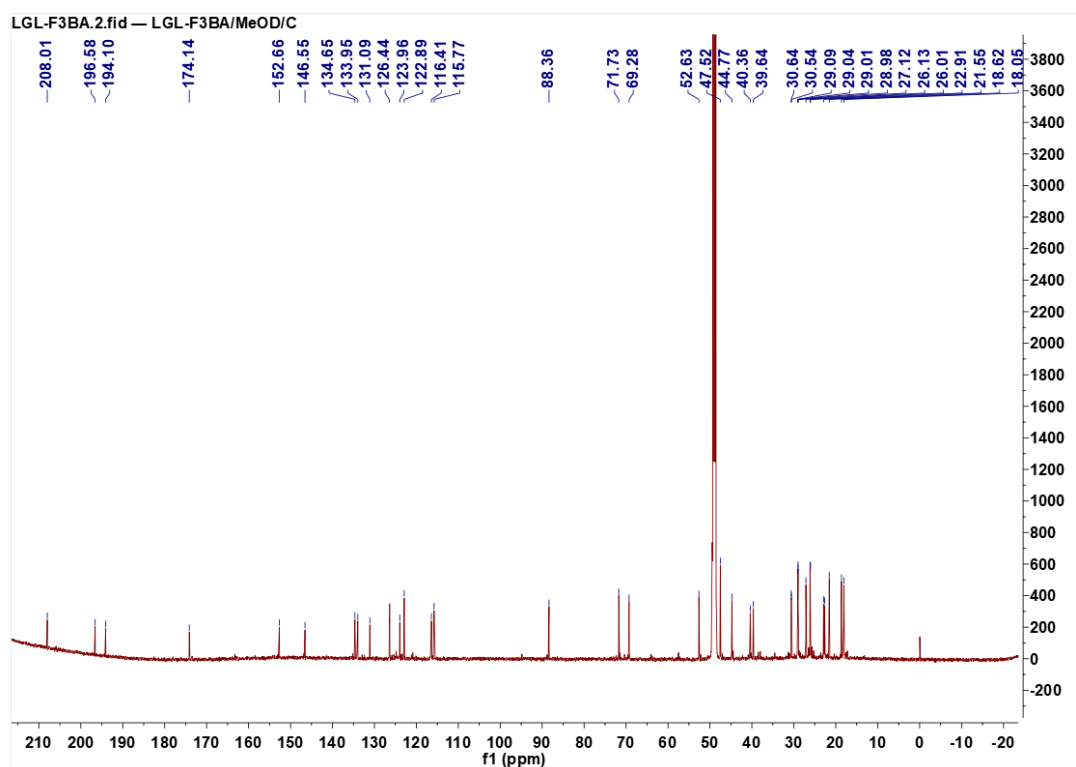


Figure S54. DEPT 135 spectrum of coccinone I (**6**) in MeOD

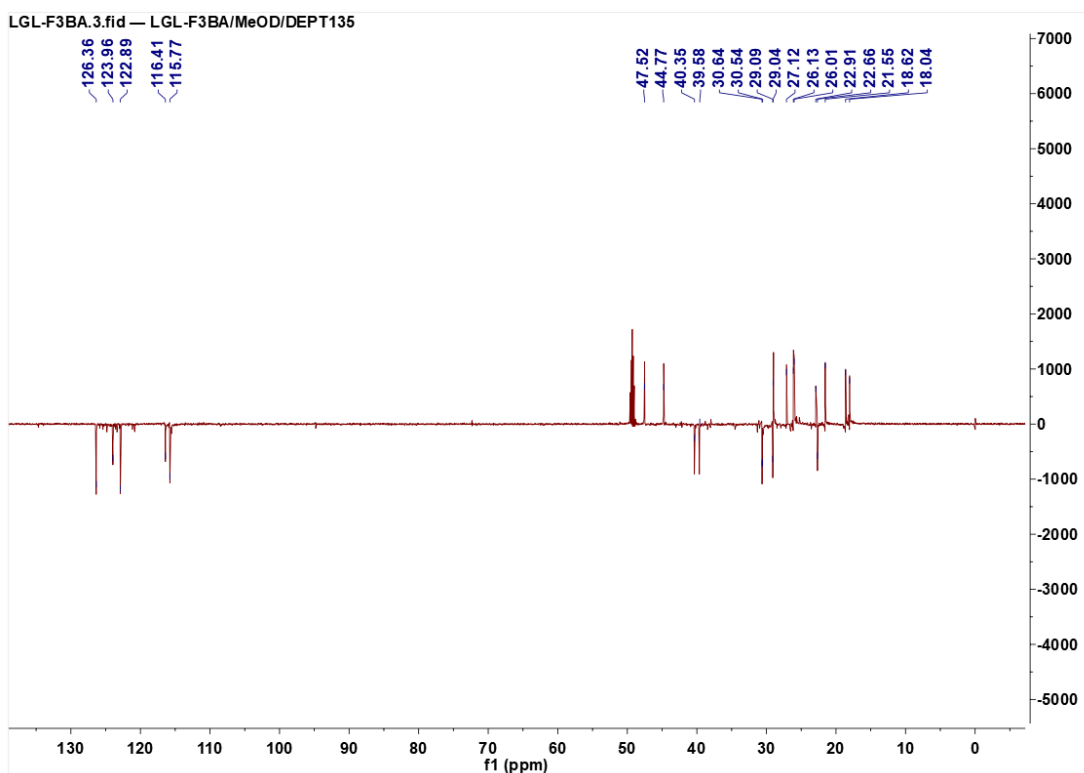


Figure S55. HSQC spectrum of coccinone I (**6**) in MeOD

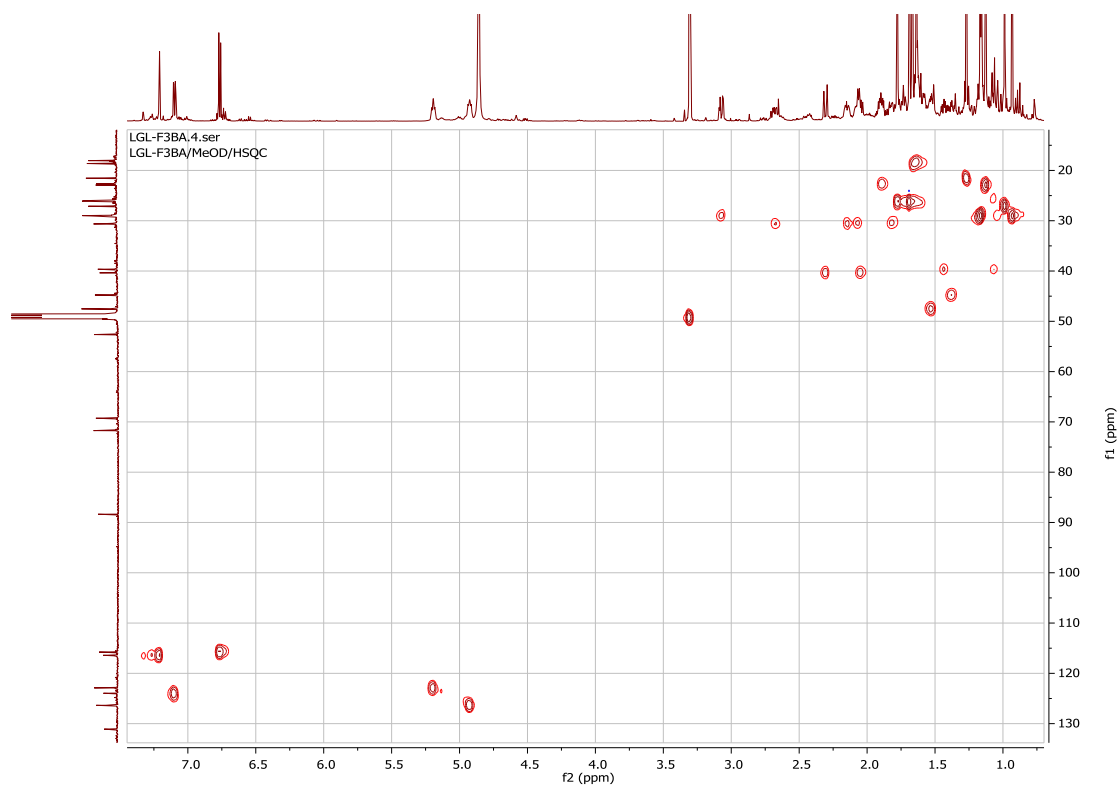


Figure S56. HMBC spectrum of coccinone I (**6**) in MeOD

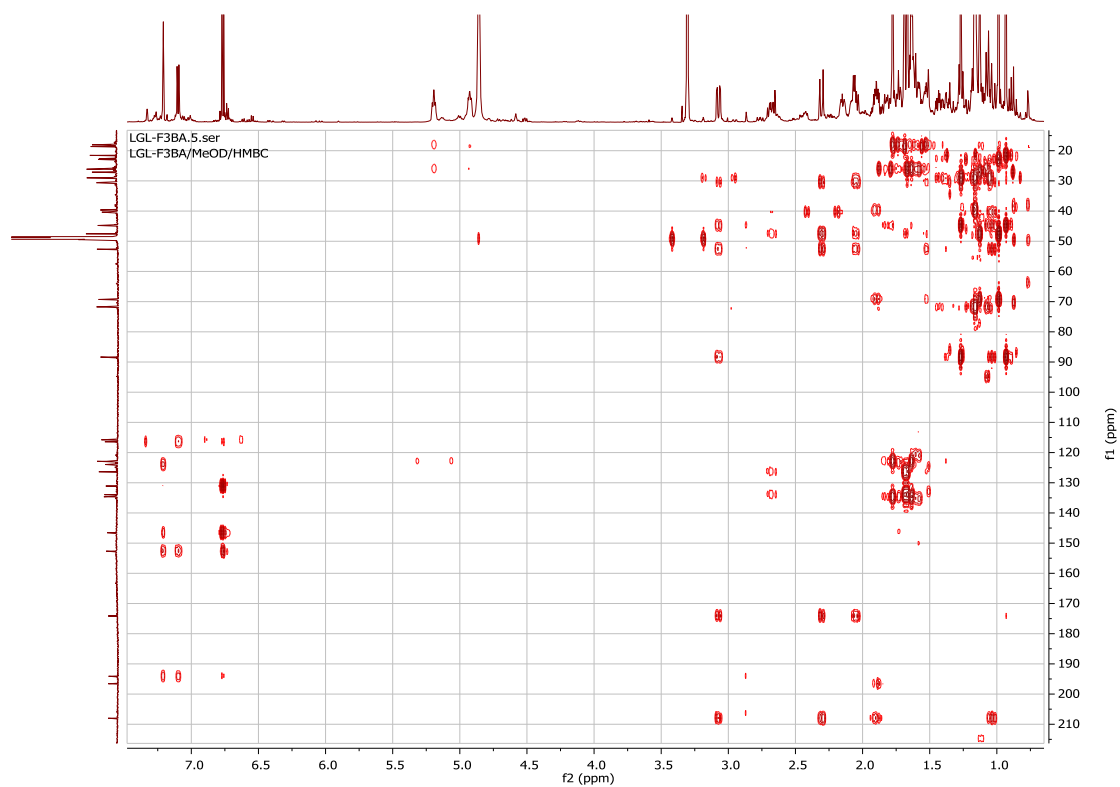


Figure S57. ROESY spectrum of coccinone I (6) in MeOD

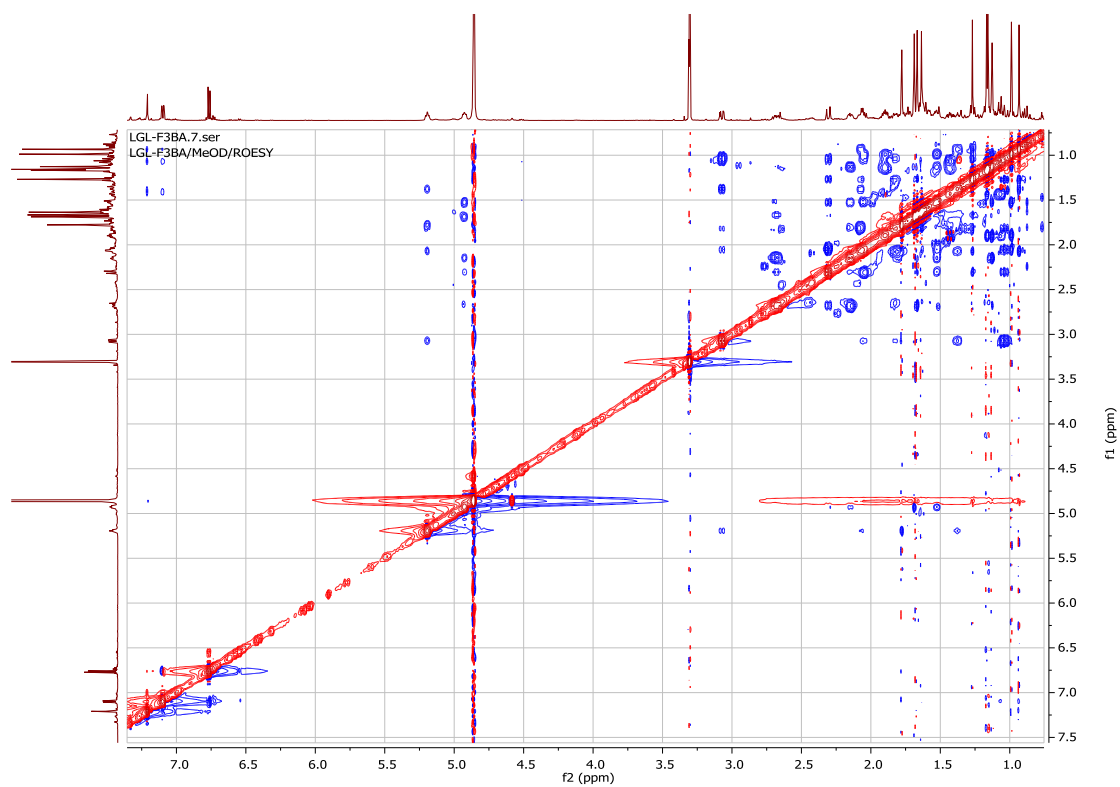


Figure S58. IR spectrum of coccinone I (6)

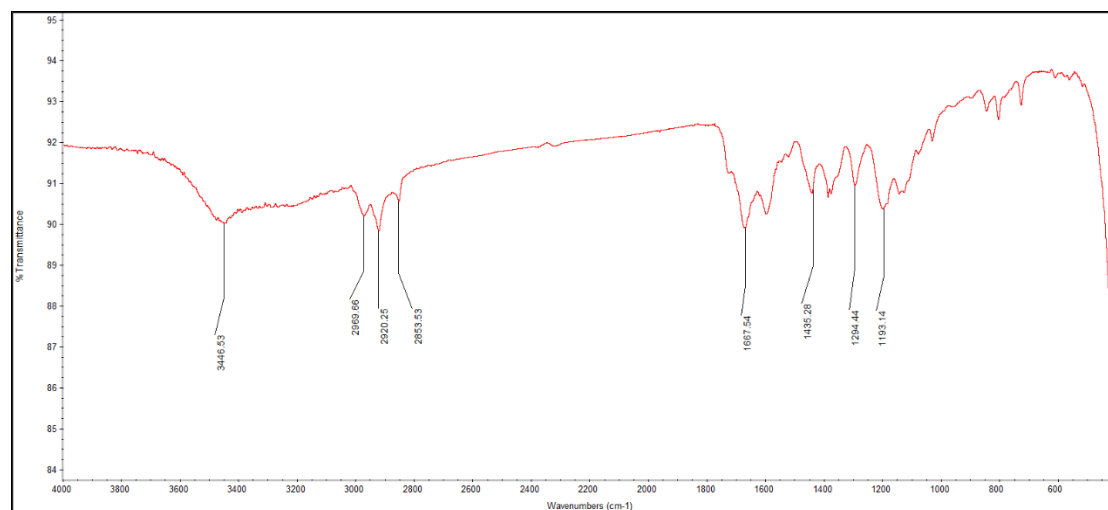


Figure S59. UV spectrum of coccinone I (6)

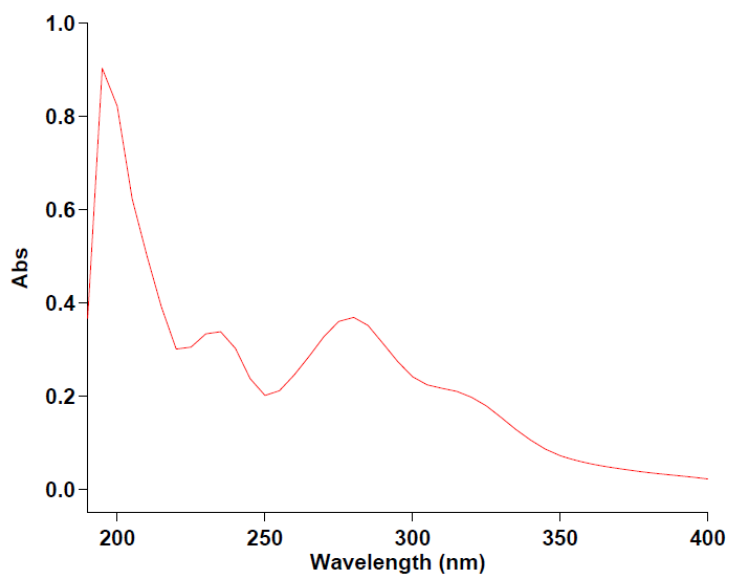


Figure S60. HRESIMS spectrum of coccinone I (6)

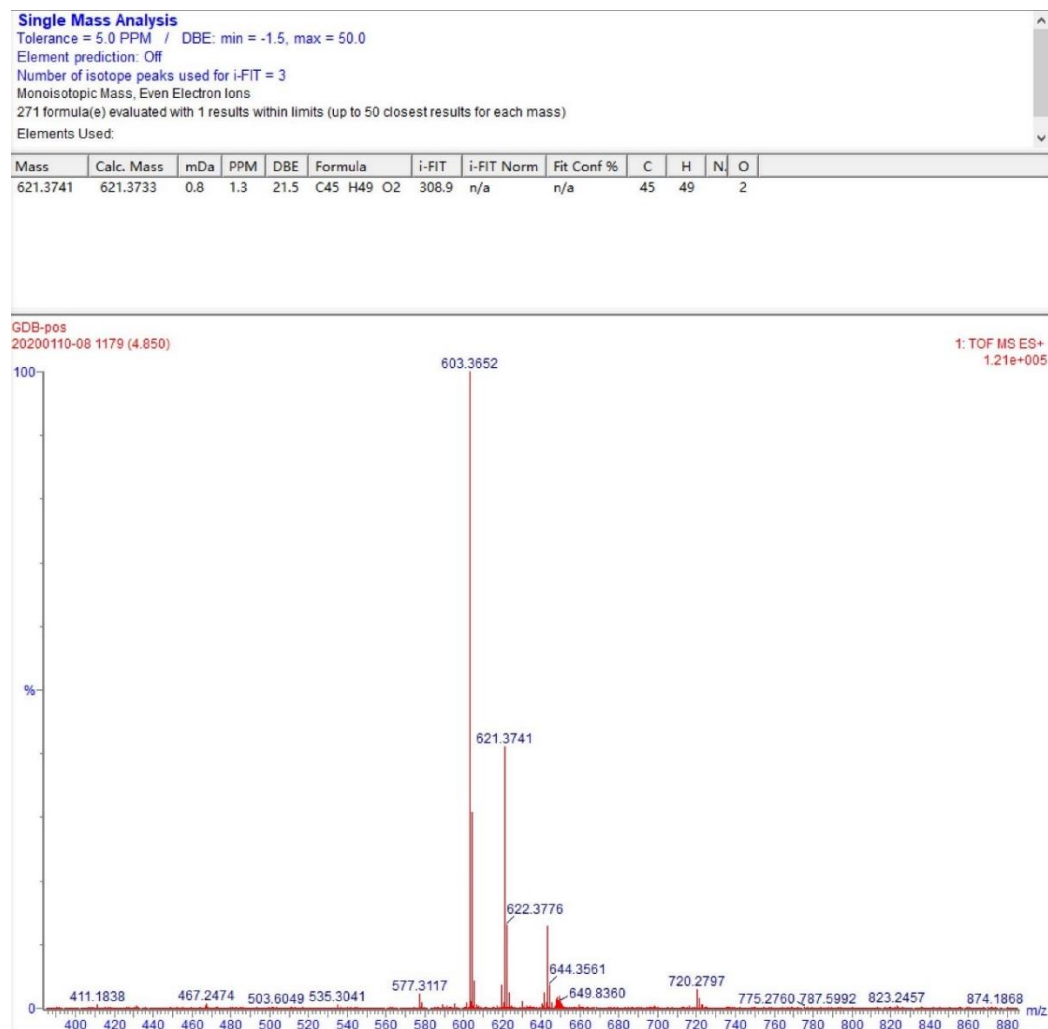


Figure S61. ECD spectrum of coccinone I (6)

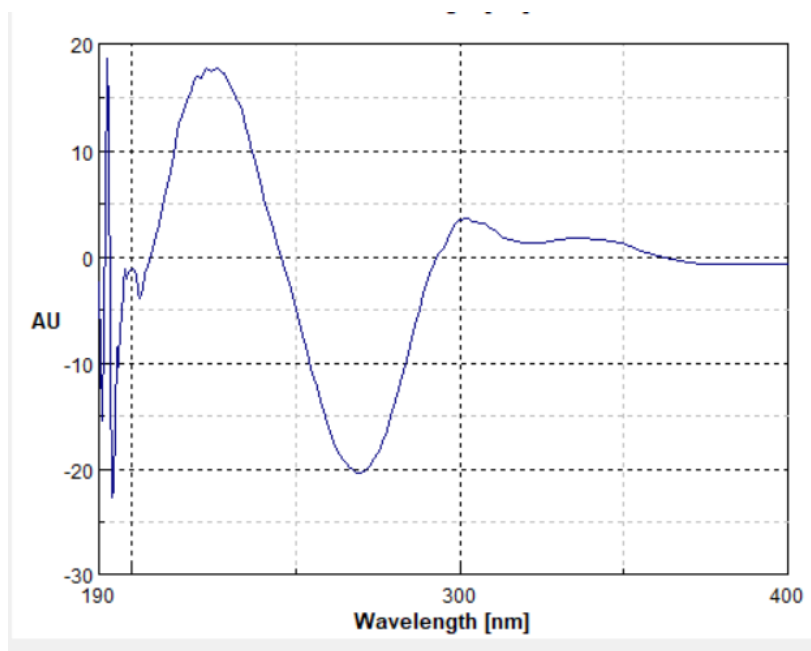


Figure S62. ^1H NMR spectrum of 36-hydroxy-guttifeone J (7) in MeOD

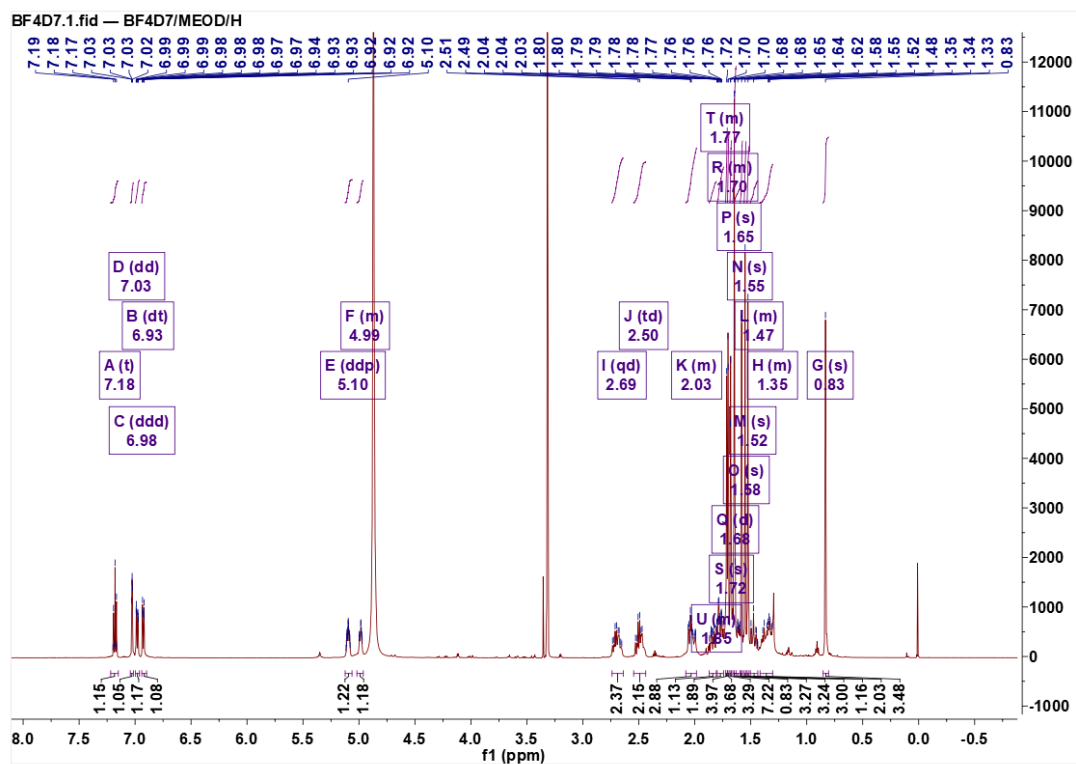


Figure S63. ^{13}C NMR spectrum of 36-hydroxy-guttifeone J (**7**) in MeOD

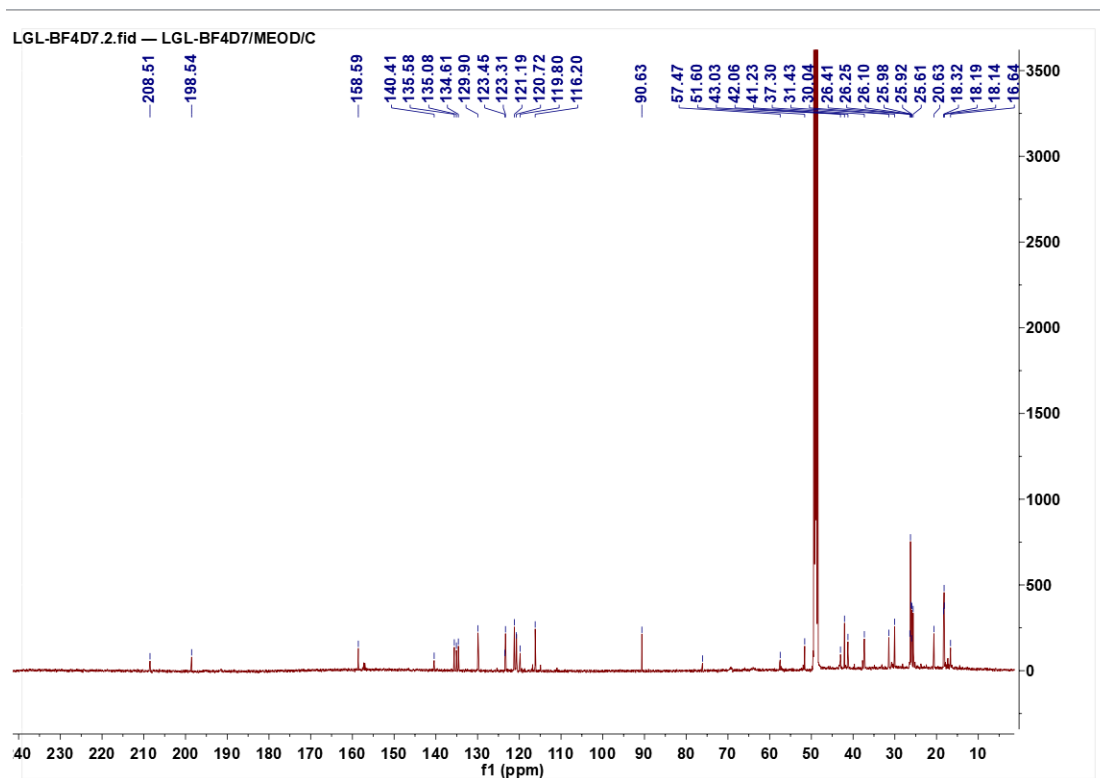


Figure S64. DEPT 135 spectrum of 36-hydroxy-guttifeone J (**7**) in MeOD

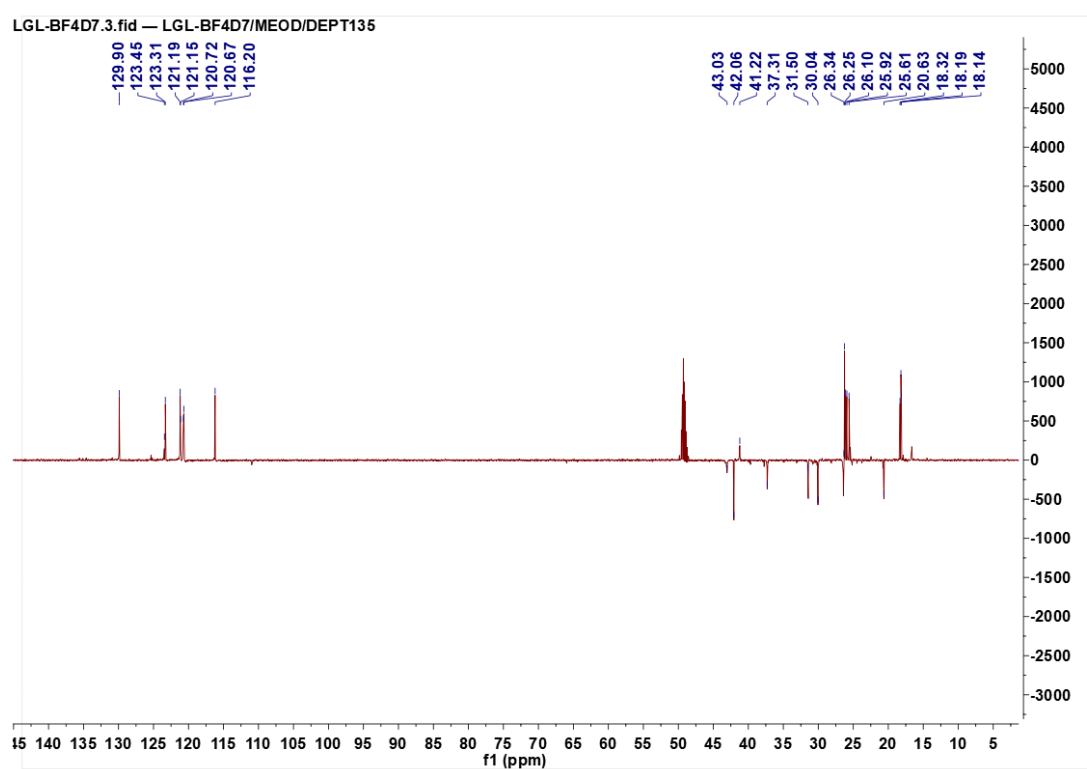


Figure S65. HSQC spectrum of 36-hydroxy-guttifeone J (7) in MeOD

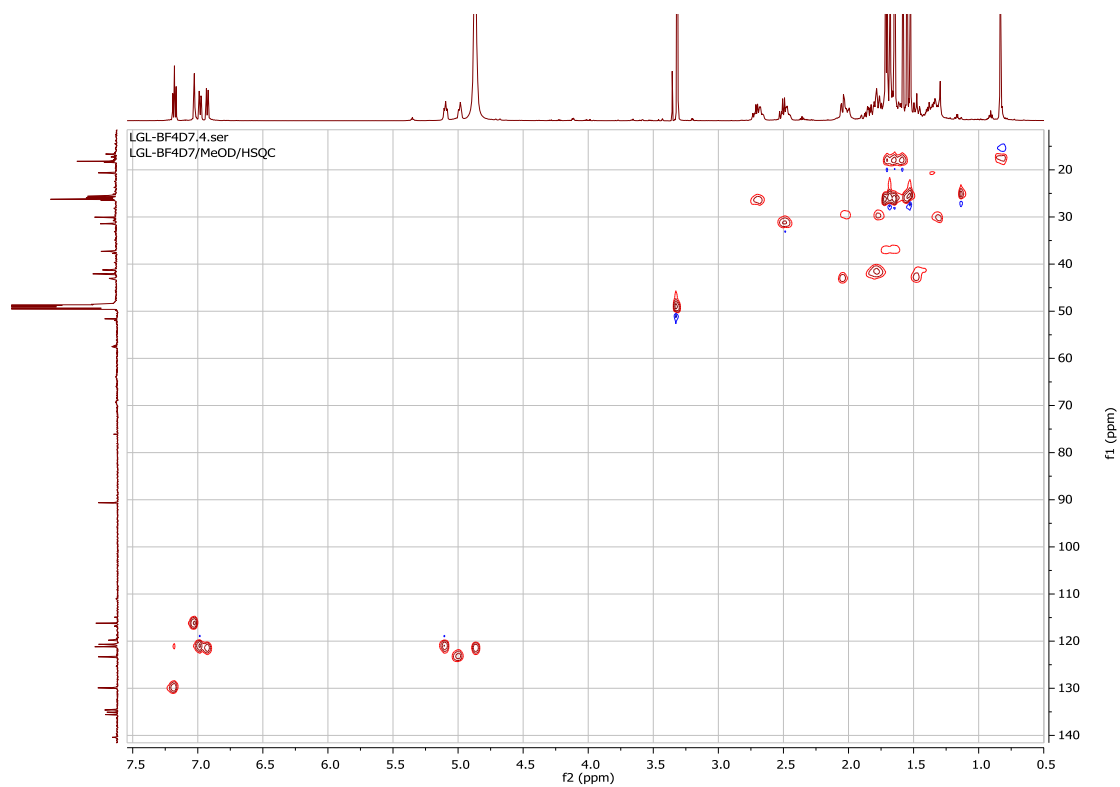


Figure S66. HMBC spectrum of 36-hydroxy-guttifeone J (7) in MeOD

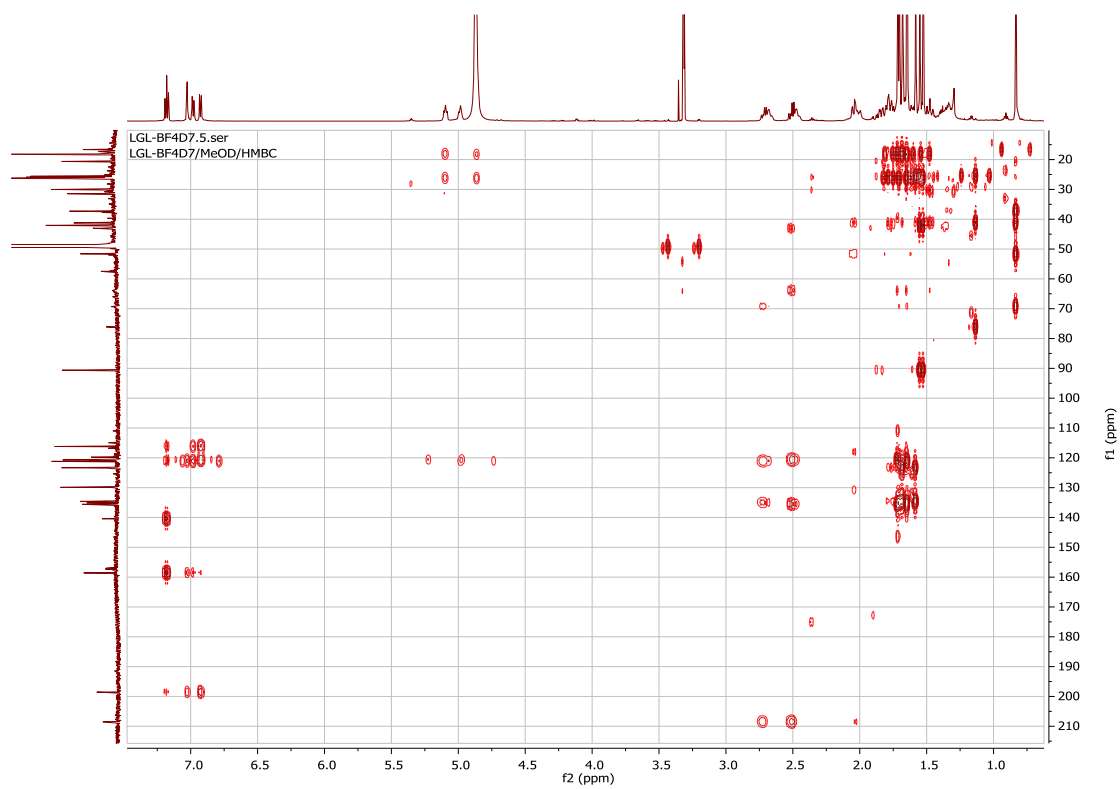


Figure S67. ROESY spectrum of 36-hydroxy-guttifeone J (**7**) in MeOD

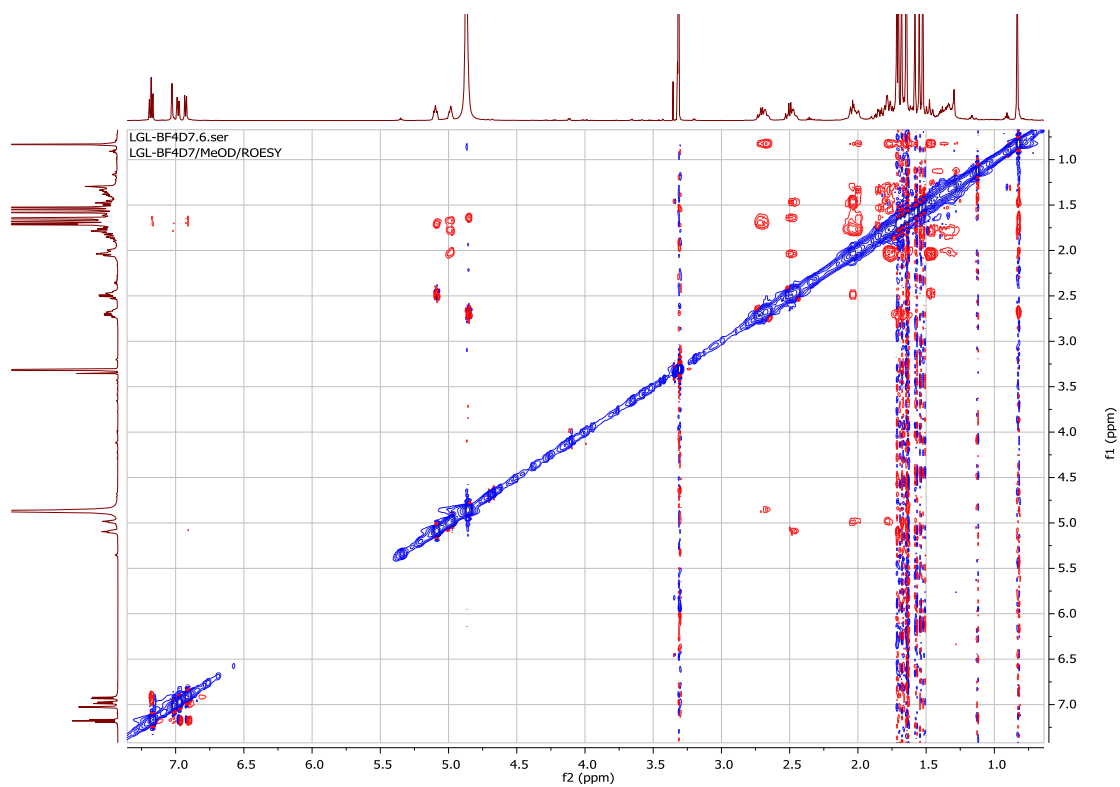


Figure S68. IR spectrum of 36-hydroxy-guttifeone J (**7**)

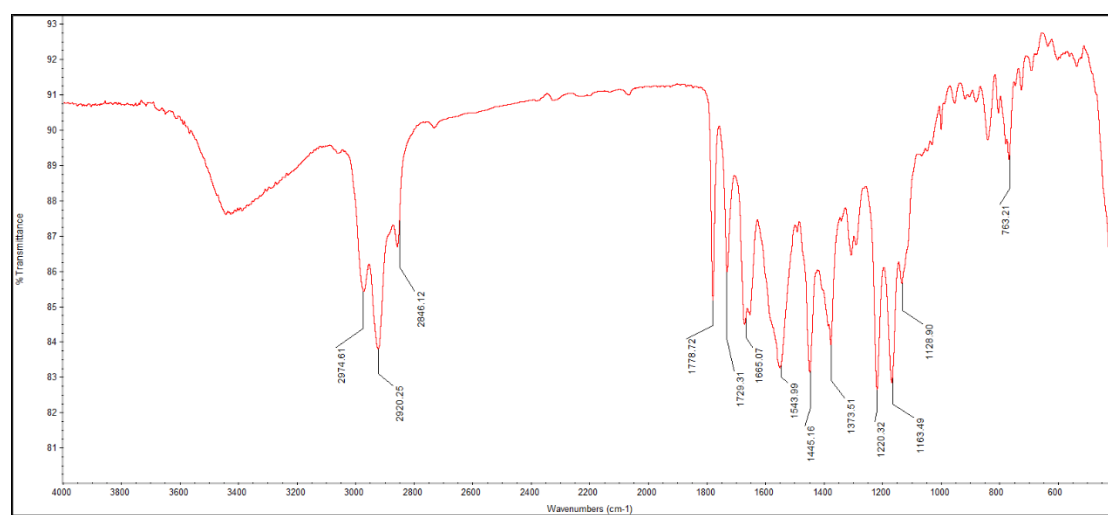


Figure S69. UV spectrum of 36-hydroxy-guttifeone J (7)

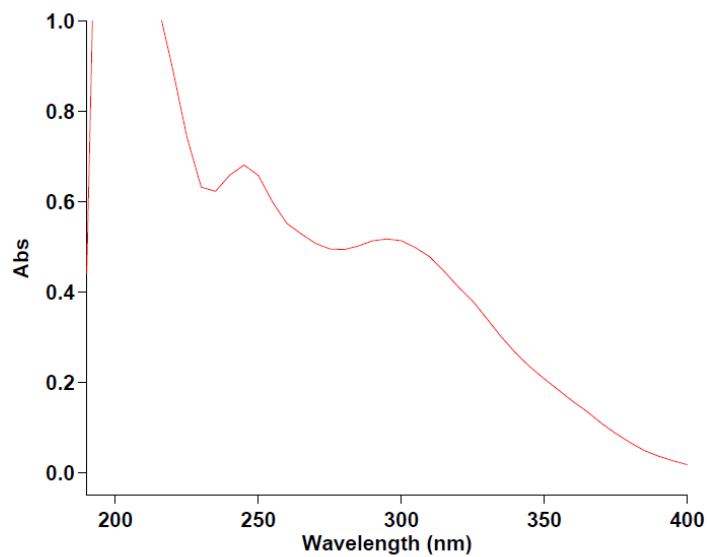


Figure S70. HRESIMS spectrum of 36-hydroxy-guttifeone J (7)

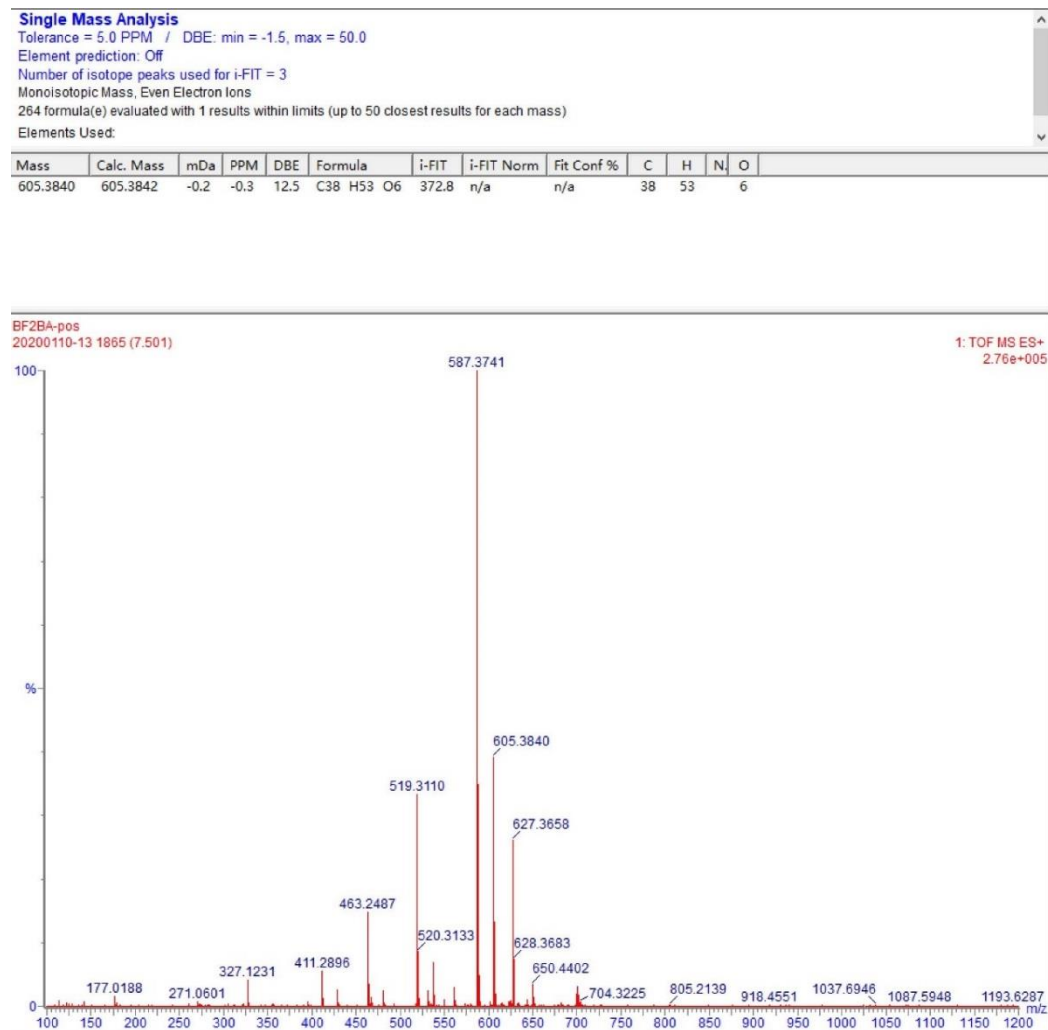


Figure S71. ECD spectrum of 36-hydroxy-guttifeone J (**7**)

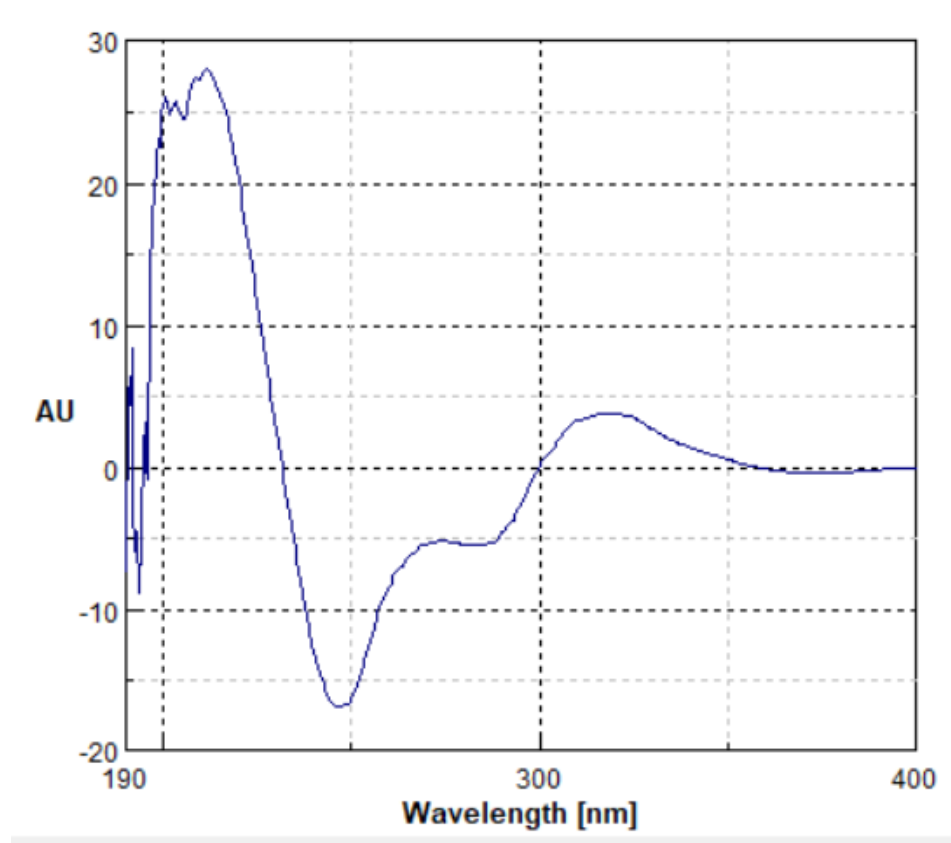


Figure S72. ^1H NMR spectrum of multiflorone I (**8**) in MeOD

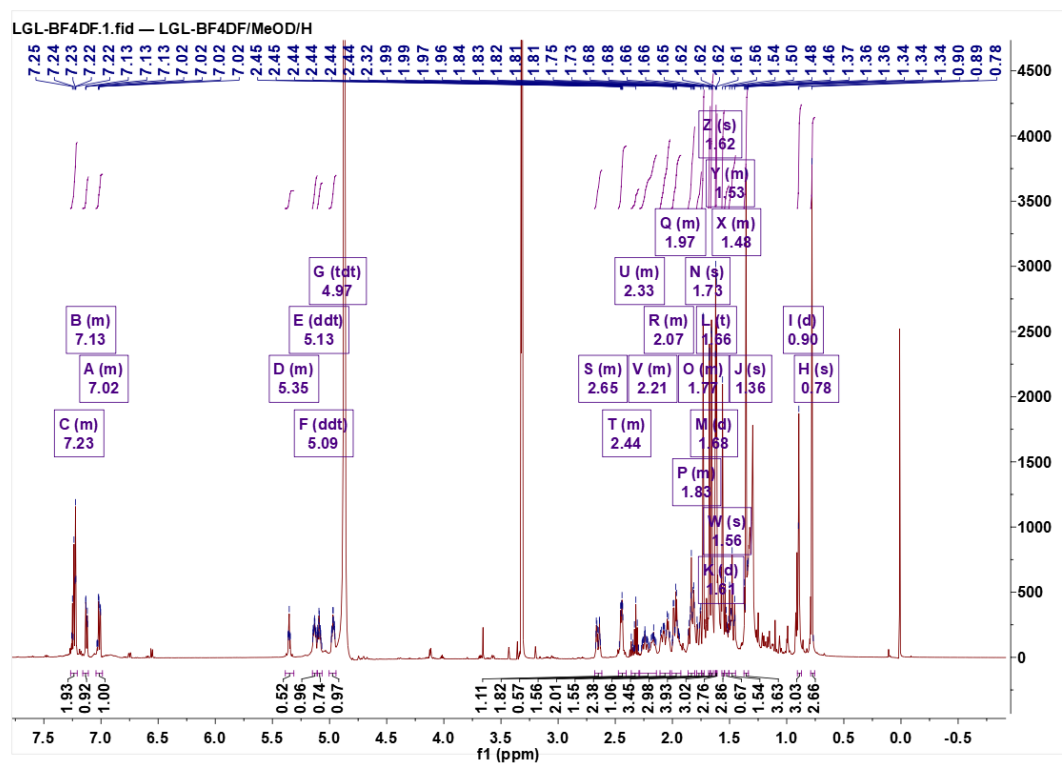


Figure S73. ^{13}C NMR spectrum of multiflorone I (**8**) in MeOD

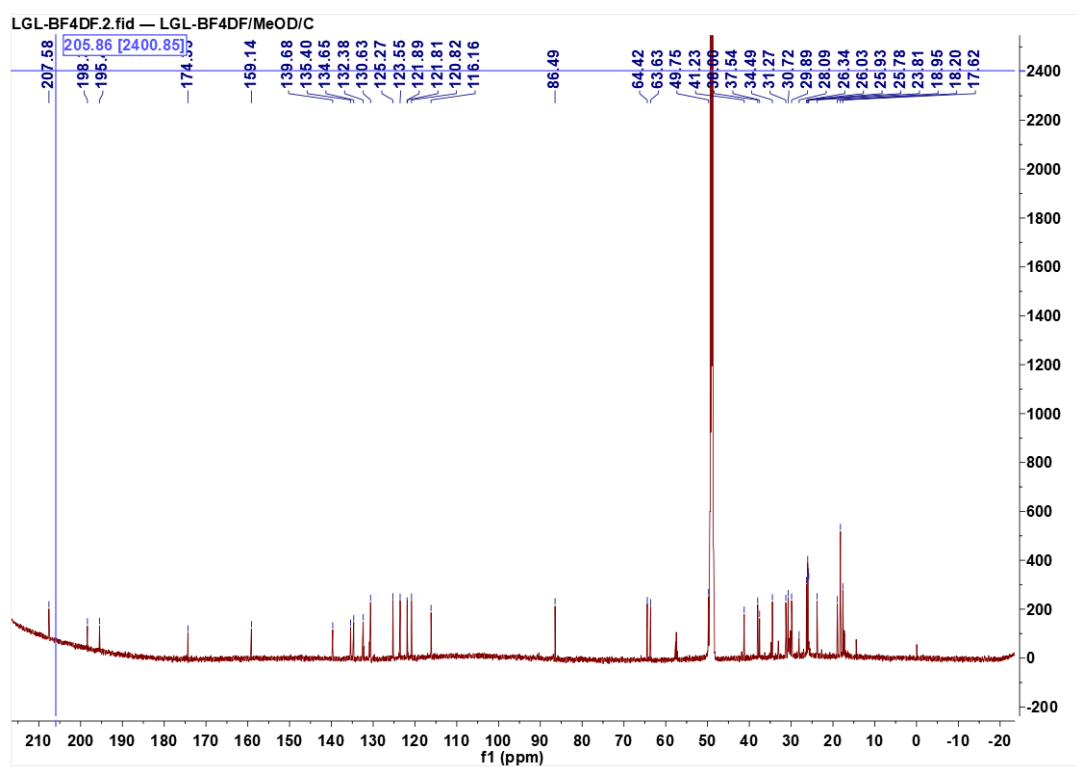


Figure S74. DEPT 135 spectrum of multiflorone I (**8**) in MeOD

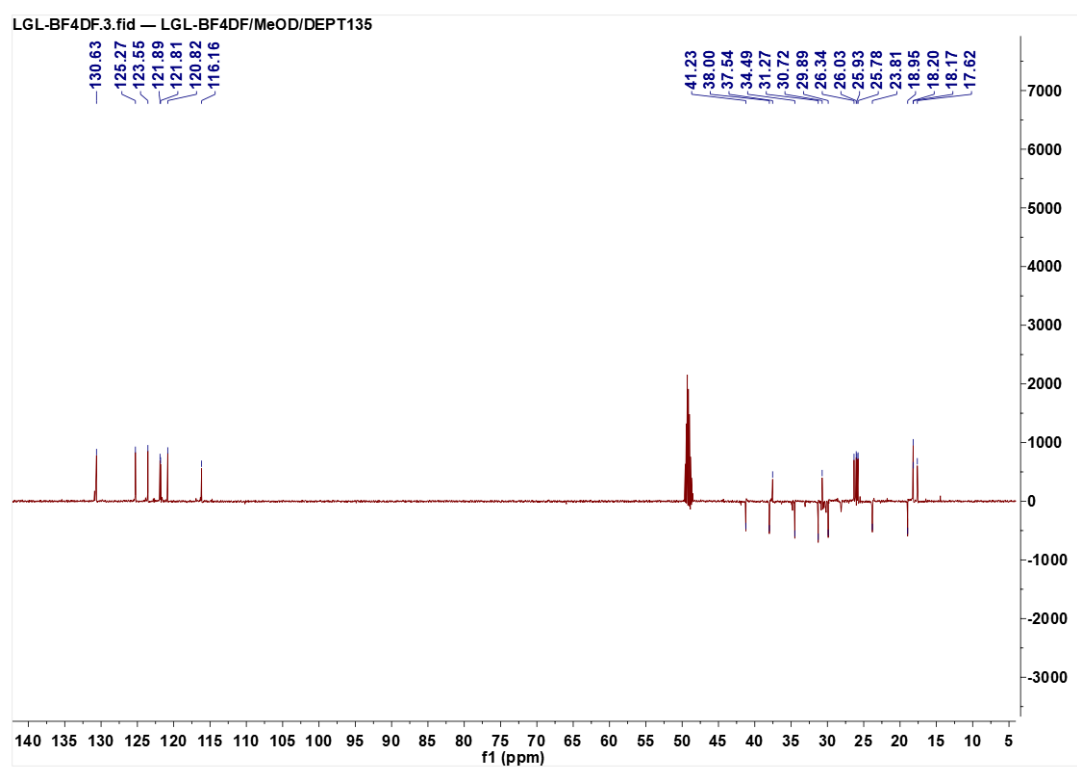


Figure S75. HSQC spectrum of multiflorone I (**8**) in MeOD

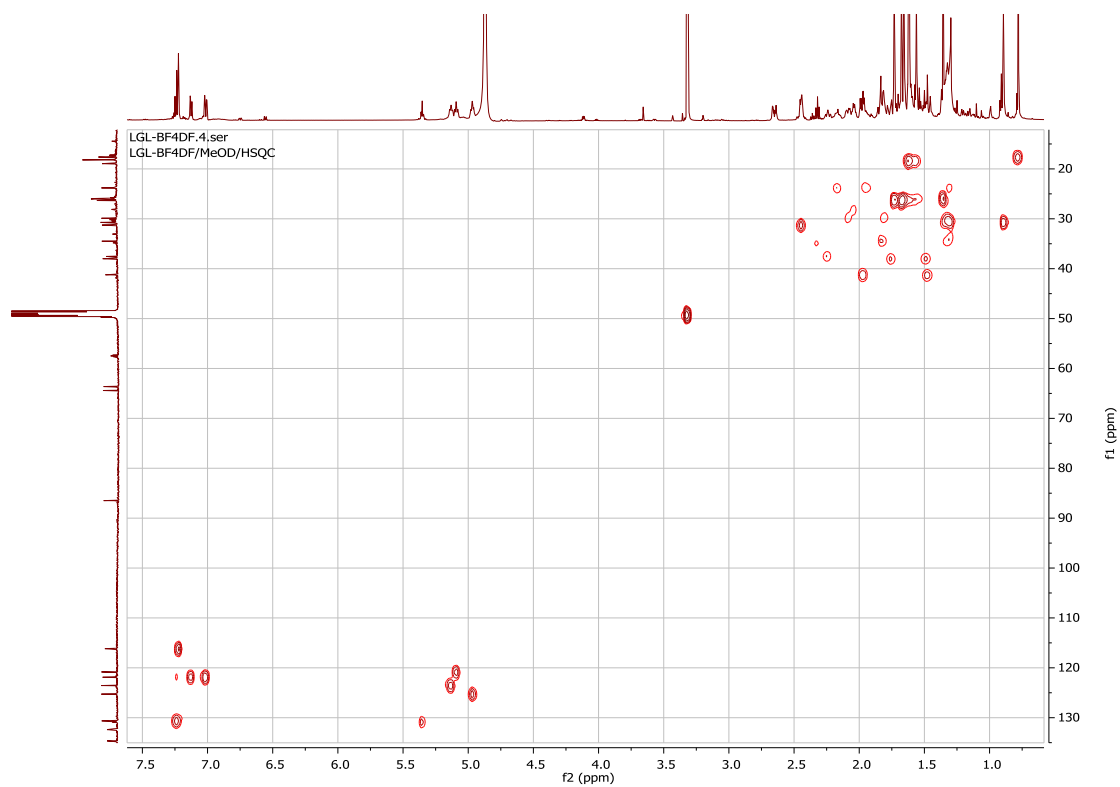


Figure S76. HMBC spectrum of multiflorone I (**8**) in MeOD

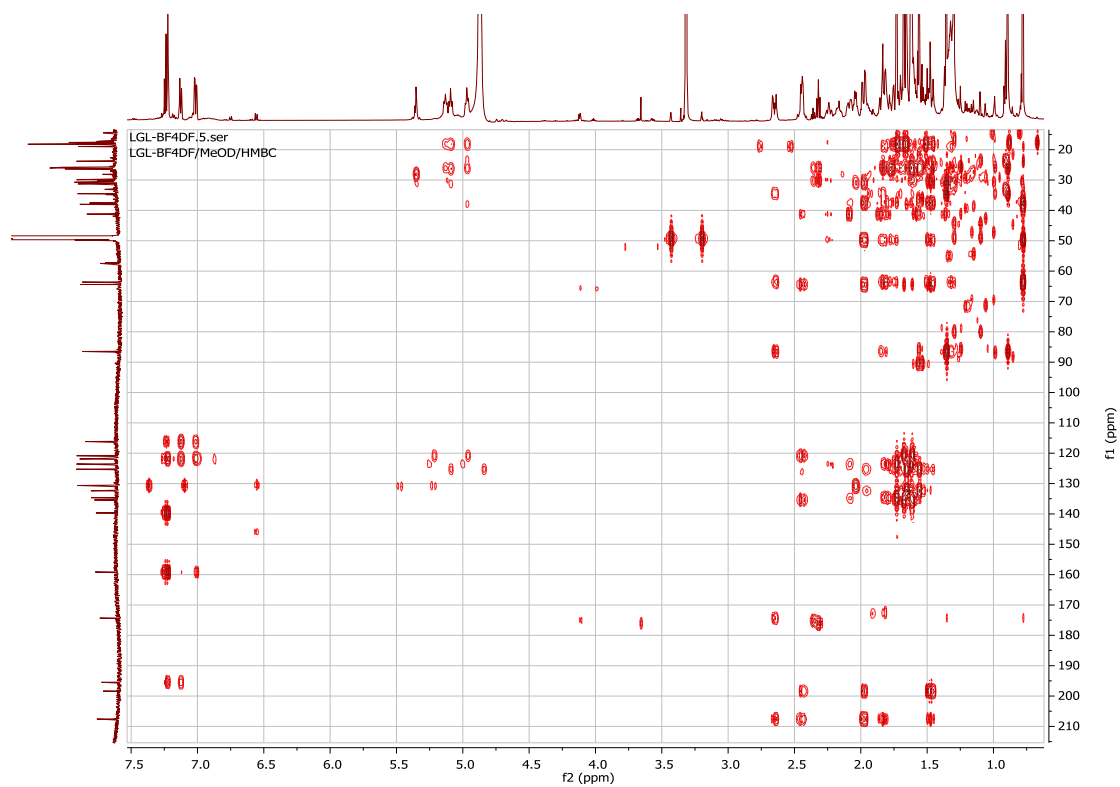


Figure S77. ROESY spectrum of multiflorone I (**8**) in MeOD

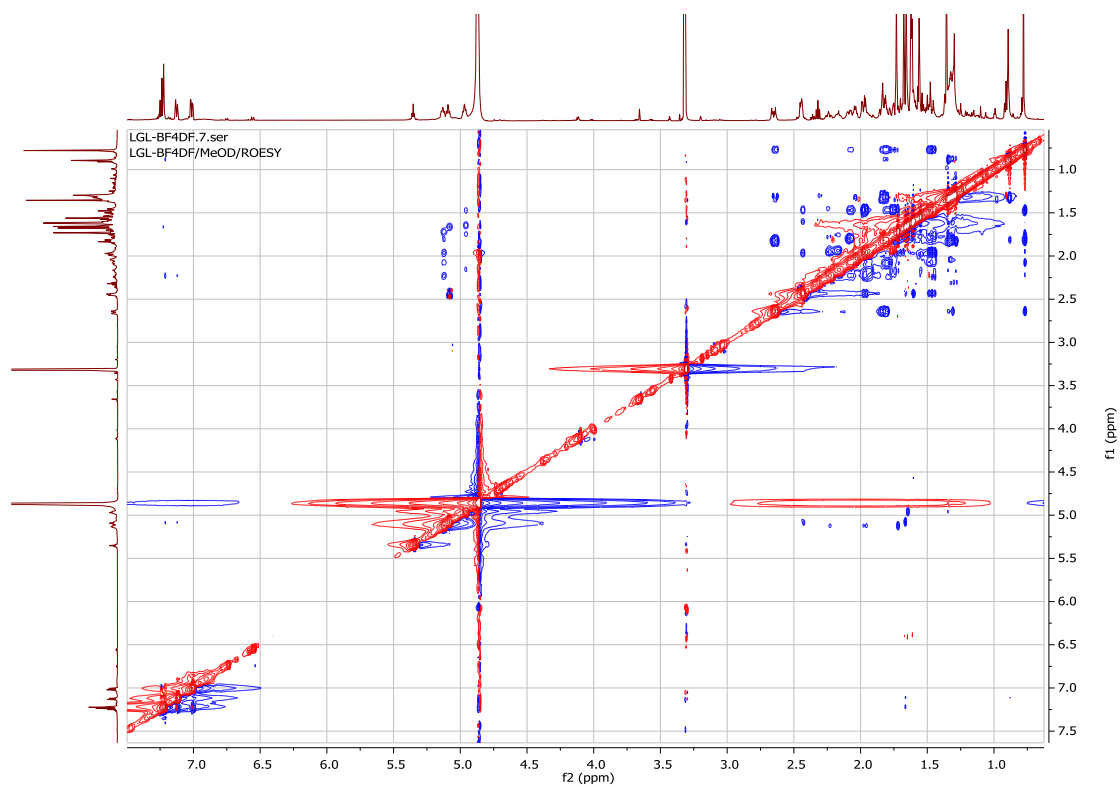


Figure S78. IR spectrum of multiflorone I (**8**)

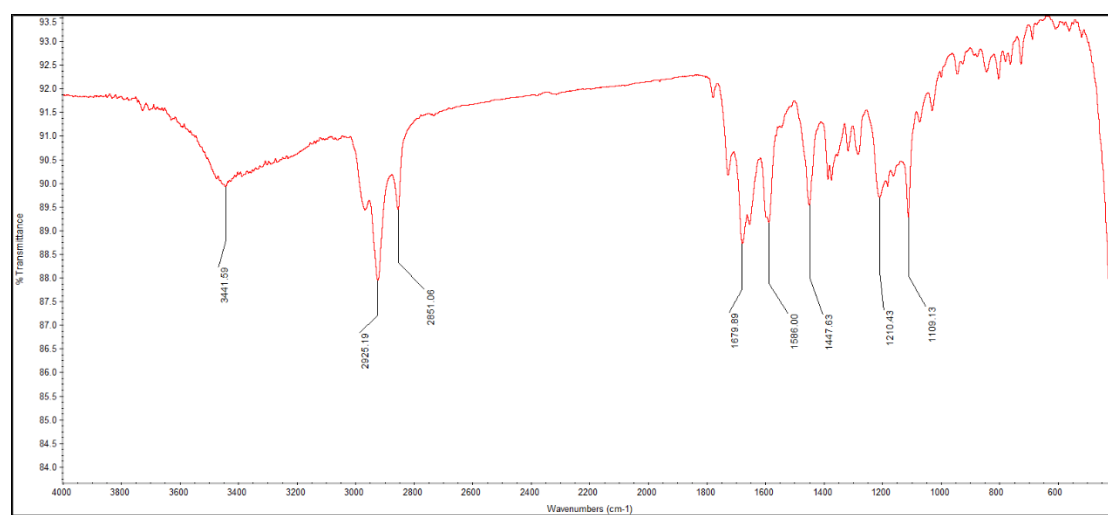


Figure S79. UV spectrum of multiflorone I (8)

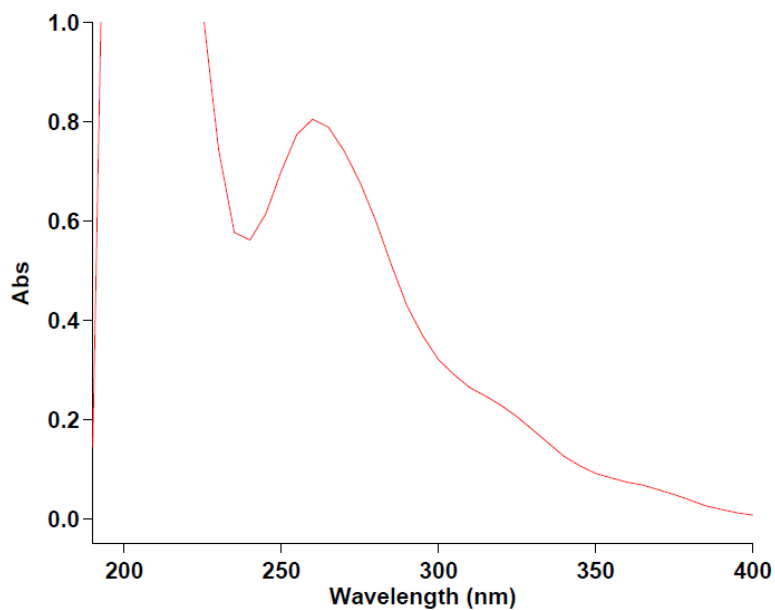


Figure S80. HRESIMS spectrum of multiflorone I (8)

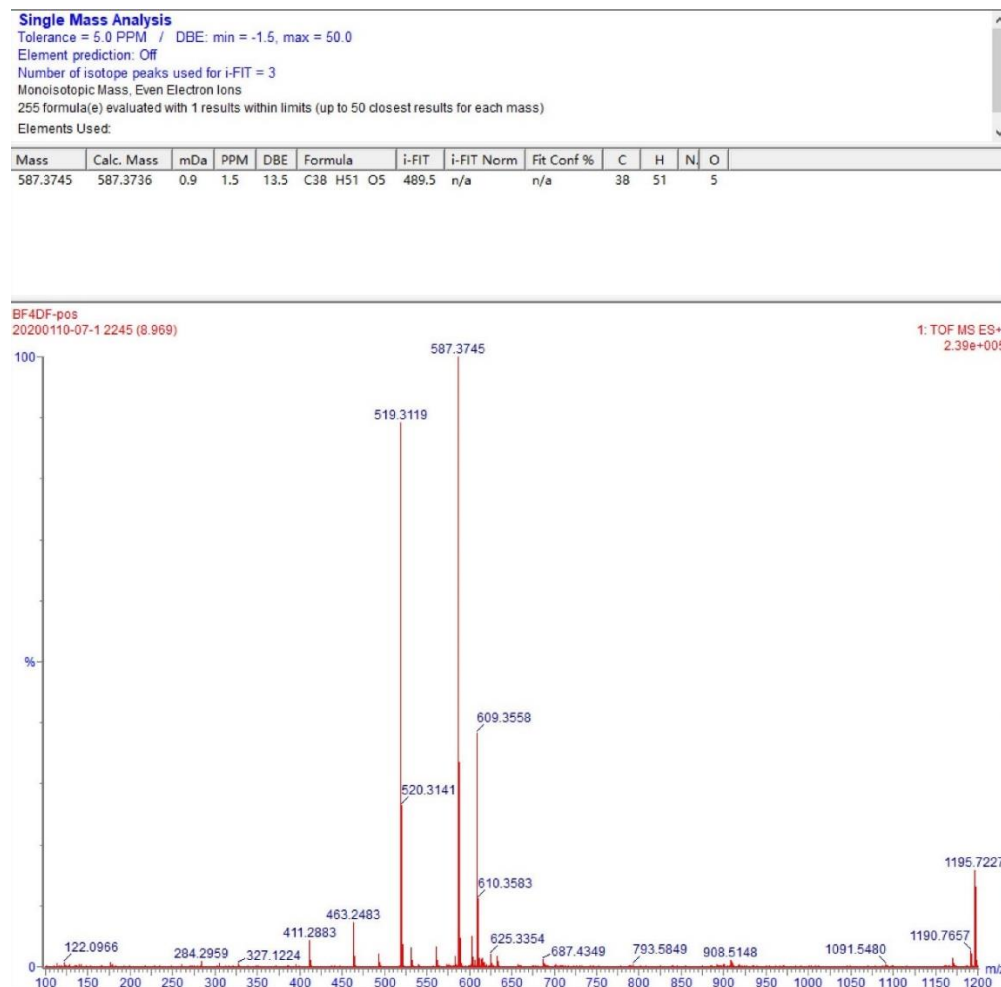


Figure S81. ECD spectrum of multiflorone I (8)

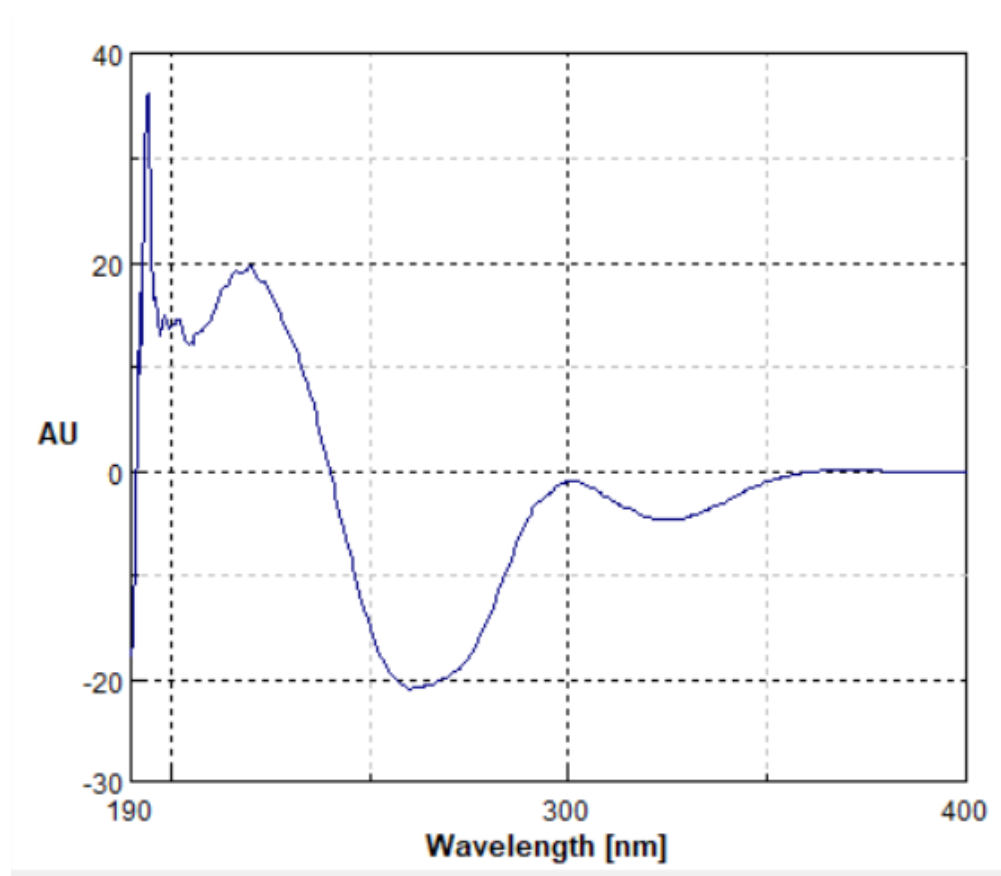


Figure S82. ¹H NMR spectrum of garciniagifolone F (9) in MeOD

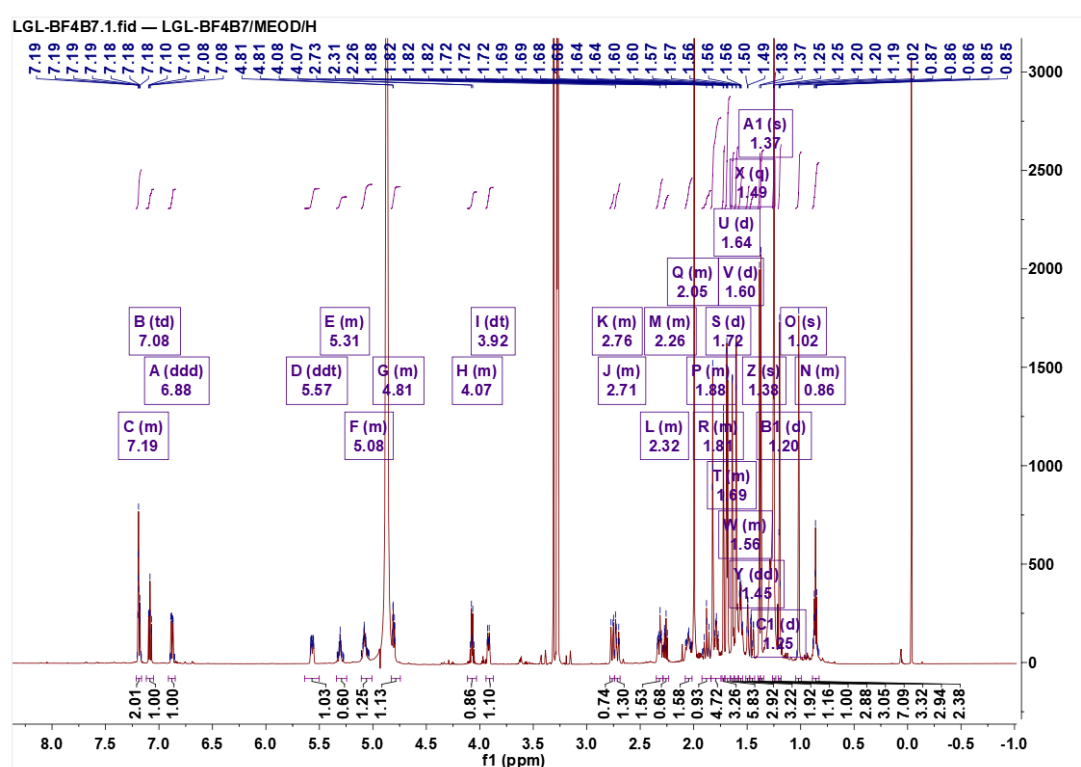


Figure S83. ^{13}C NMR spectrum of garciniagifolone F (9) in MeOD

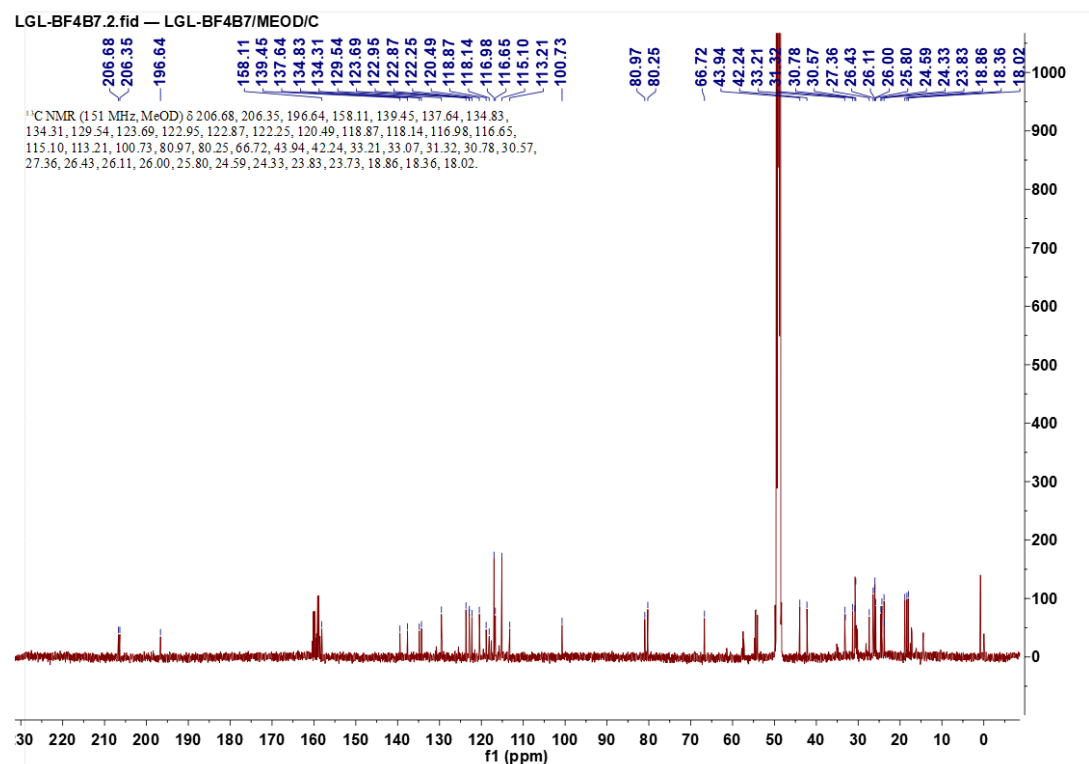


Figure S84. DEPT 135 spectrum of garciniagifolone F (9) in MeOD

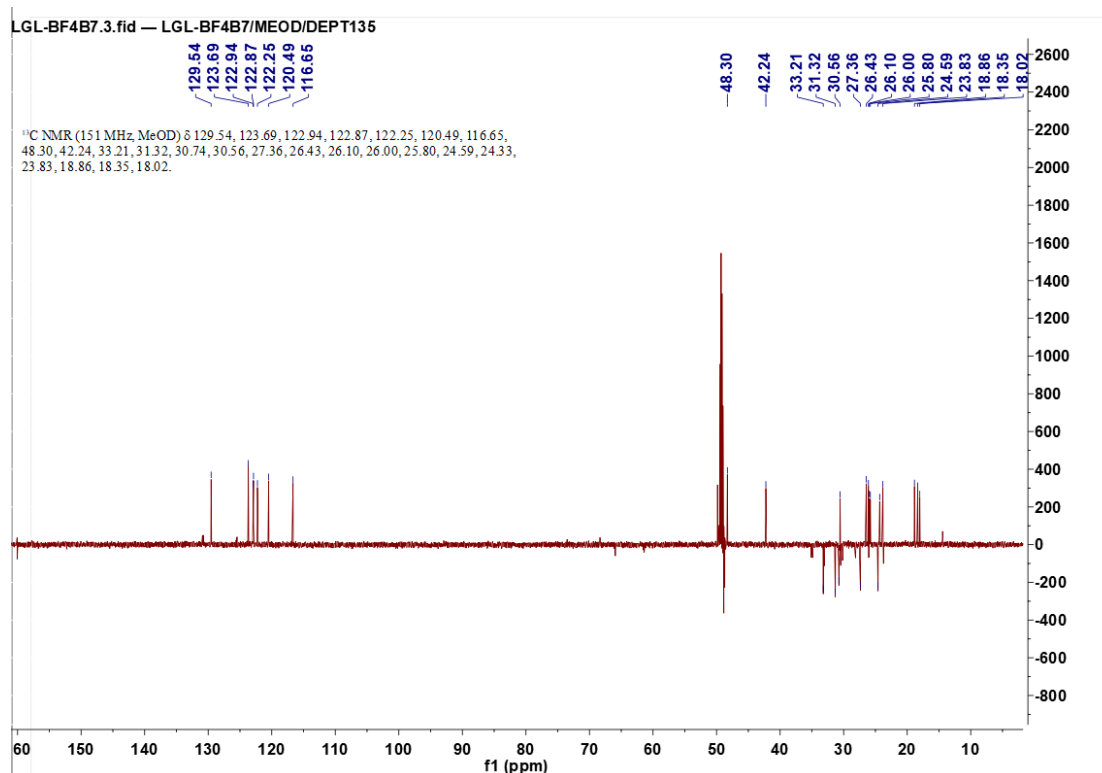


Figure S85. HSQC spectrum of garciniagifolone F (9) in MeOD

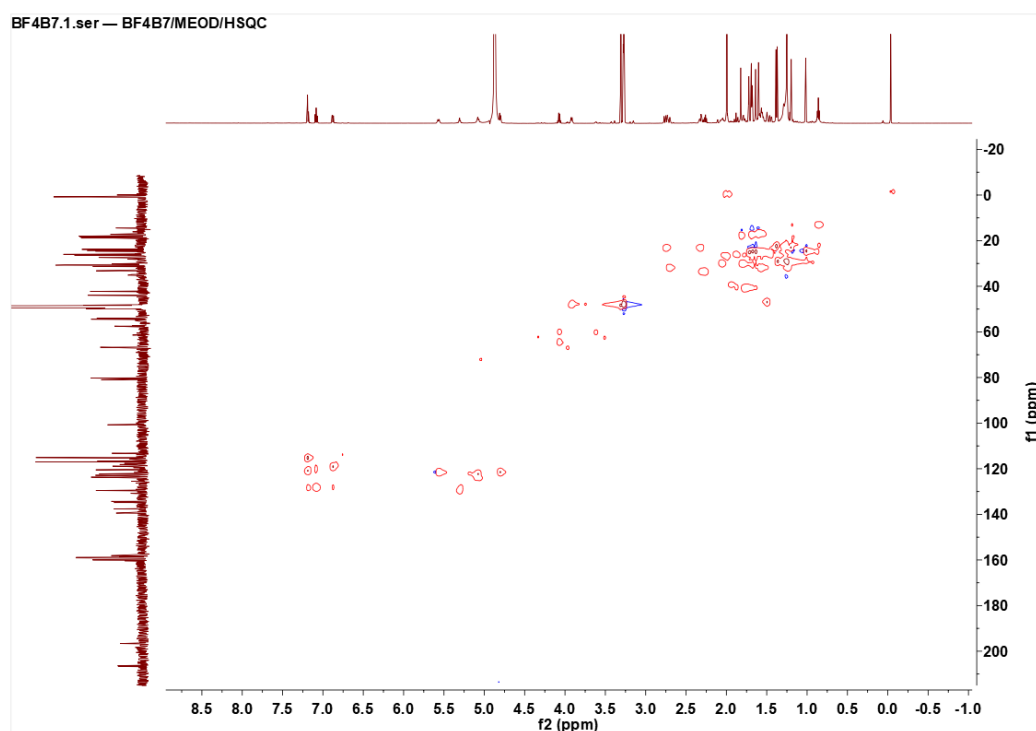


Figure S86. HMBC spectrum of garciniagifolone F (9) in MeOD

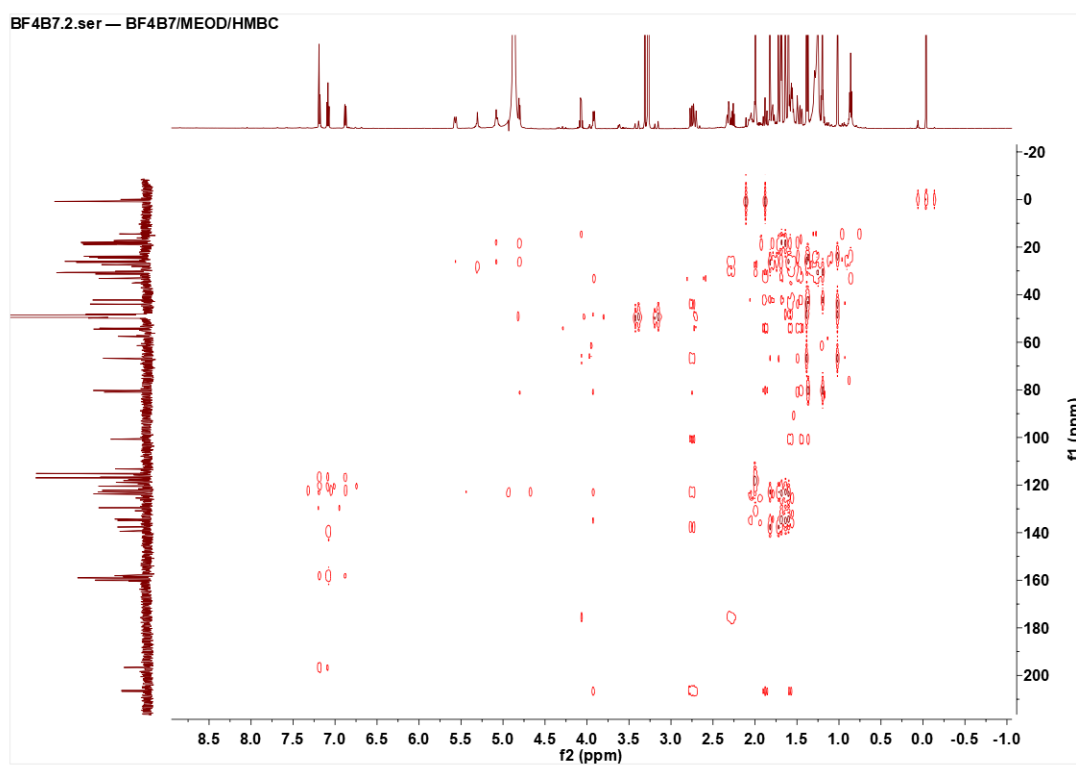


Figure S87. ROESY spectrum of garciniagifolone F (9) in MeOD

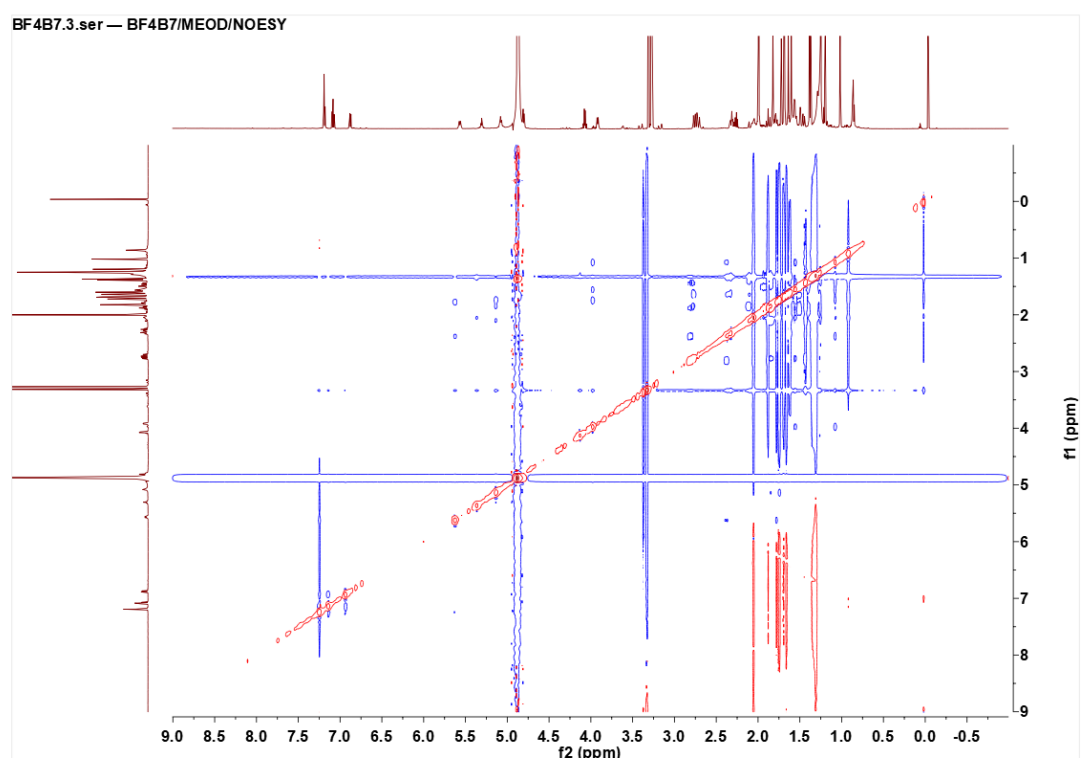


Figure S88. IR spectrum of garciniagifolone F (9)

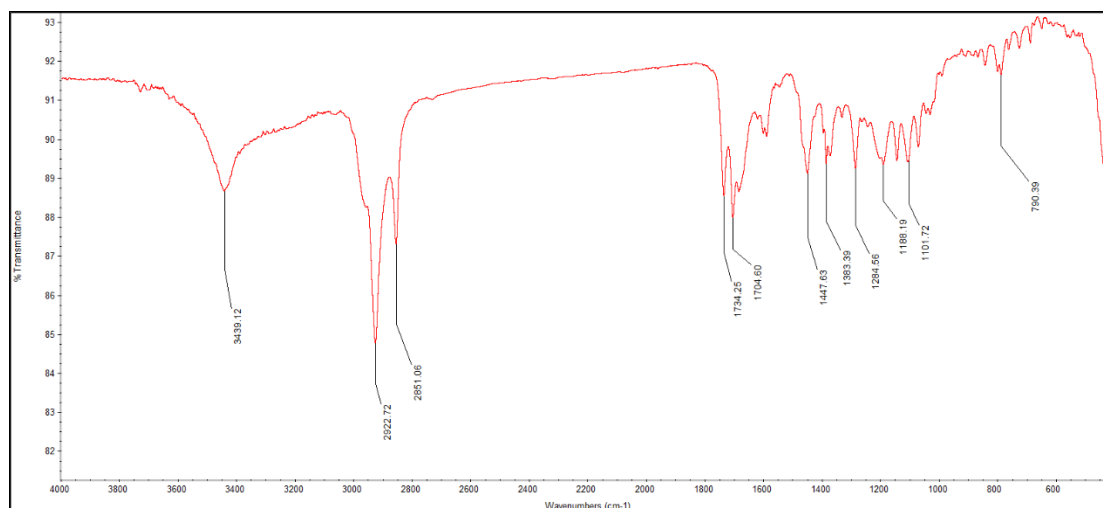


Figure S89. UV spectrum of garciniagifolone F (9)

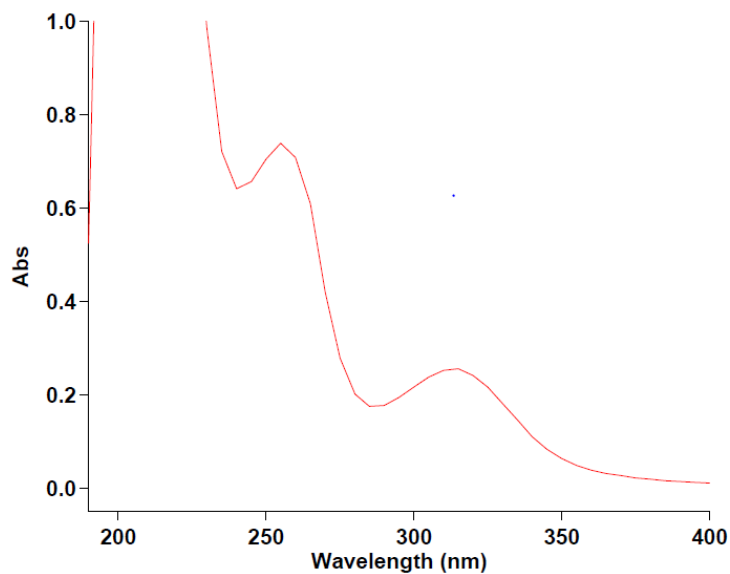


Figure S90. HRESIMS spectrum of garciniagifolone F (9)

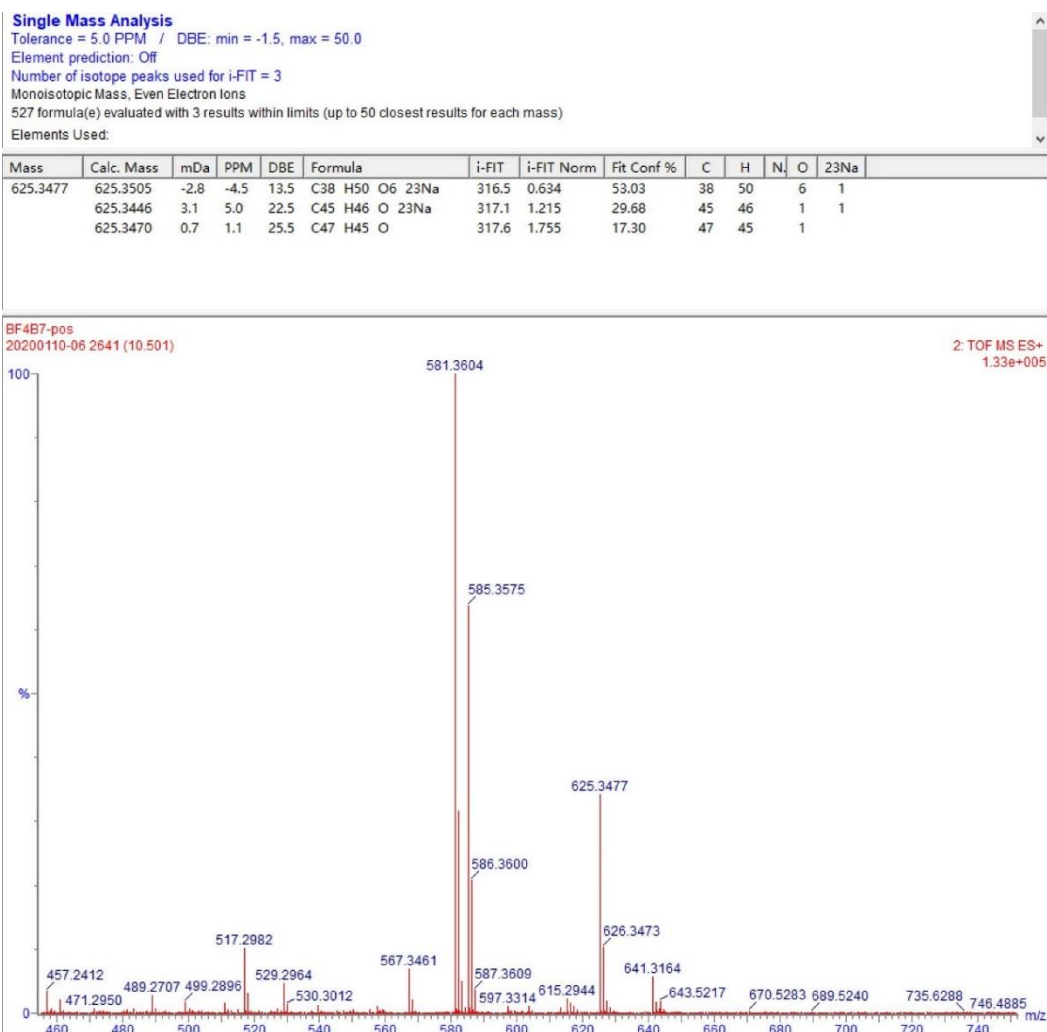


Figure S93. ^{13}C NMR spectrum of 36-hydroxy-garciniagifolone F (**10**) in MeOD

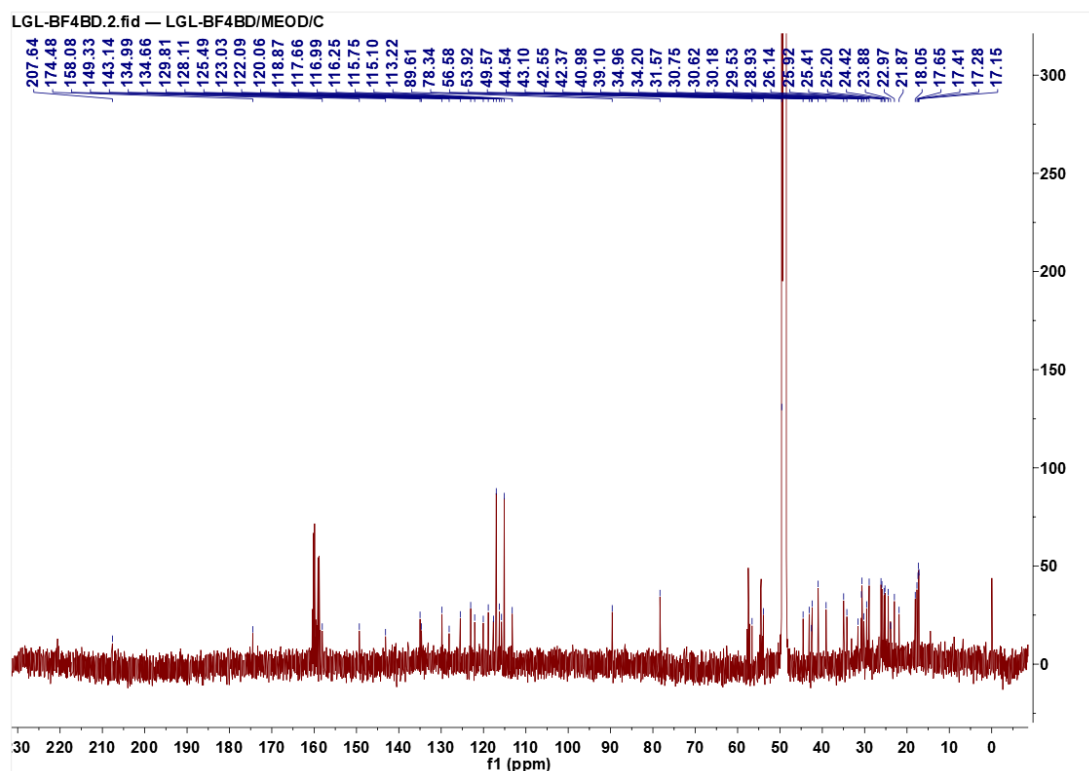


Figure S94. DEPT 135 spectrum of 36-hydroxy-garciniagifolone F (**10**) in MeOD

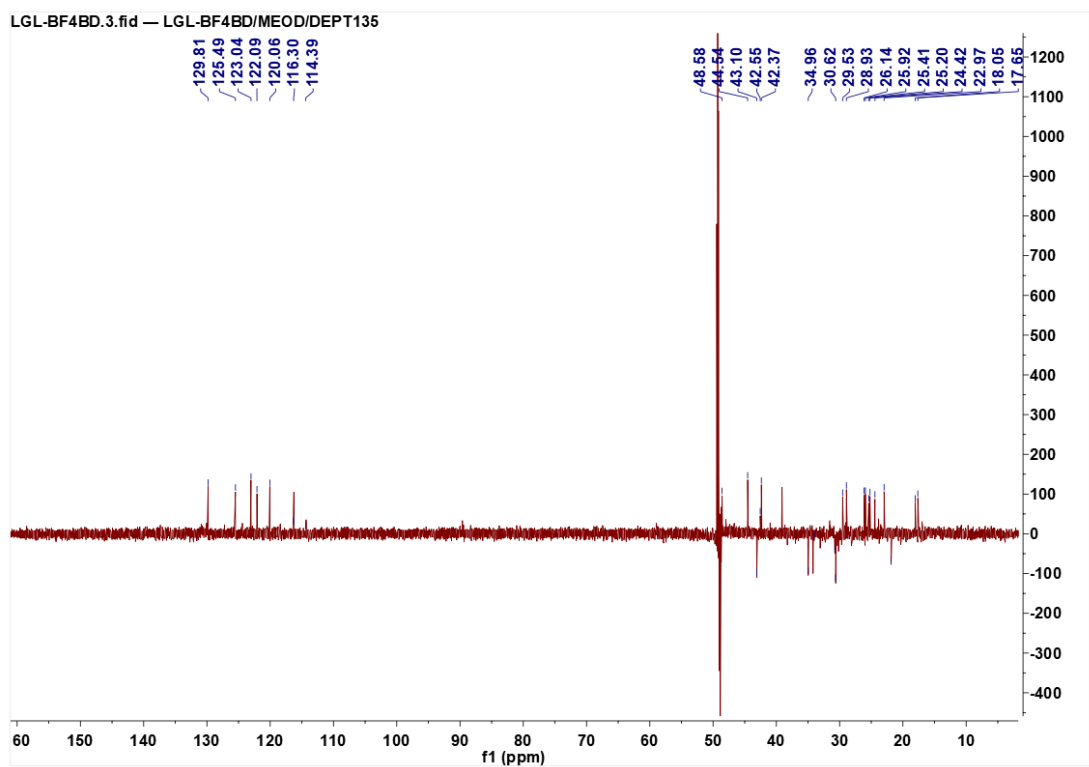


Figure S95. HSQC spectrum of 36-hydroxy-garciniagifolone F (**10**) in MeOD

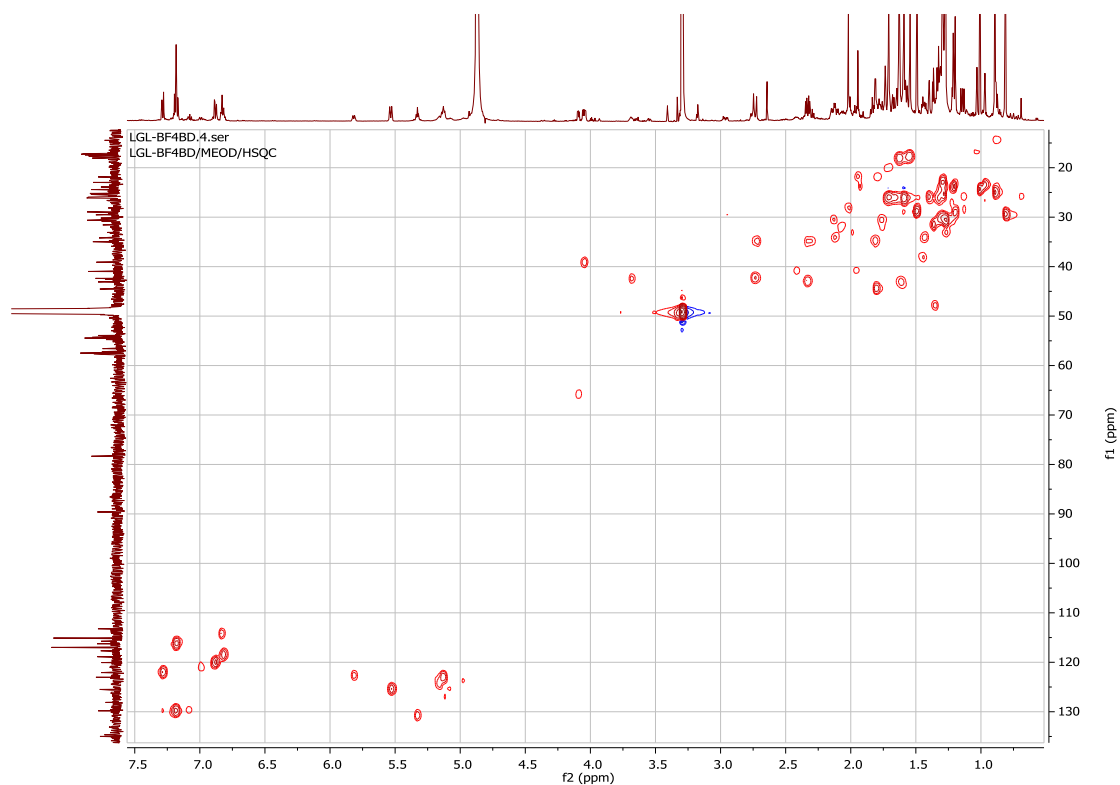


Figure S96. HMBC spectrum of 36-hydroxy-garciniagifolone F (**10**) in MeOD

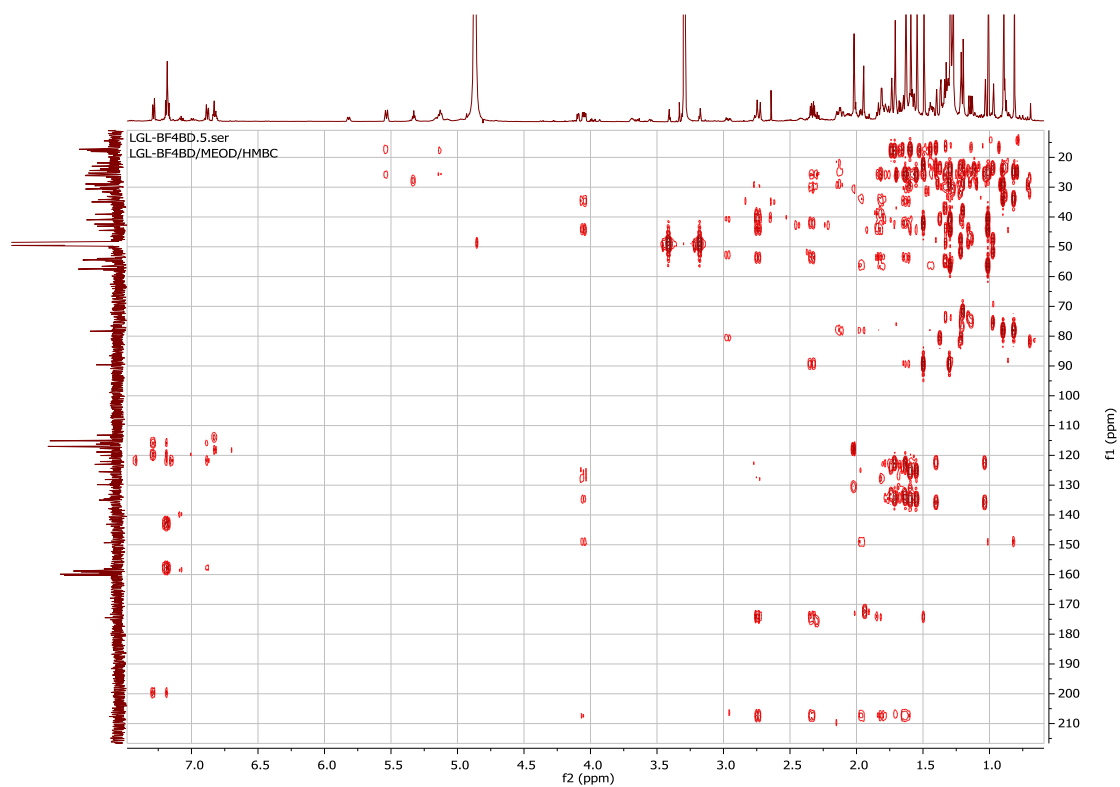


Figure S97. ROESY spectrum of 36-hydroxy-garciniagifolone F (**10**) in MeOD

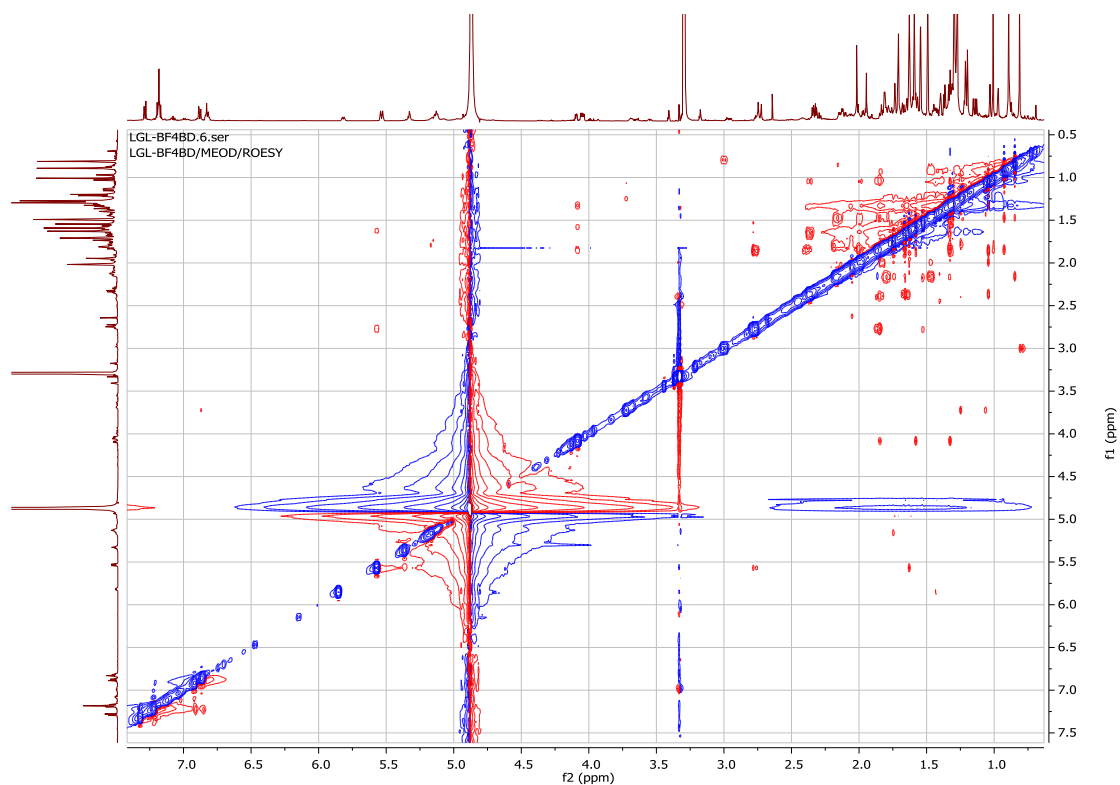


Figure S98. IR spectrum of 36-hydroxy-garciniagifolone F (**10**)

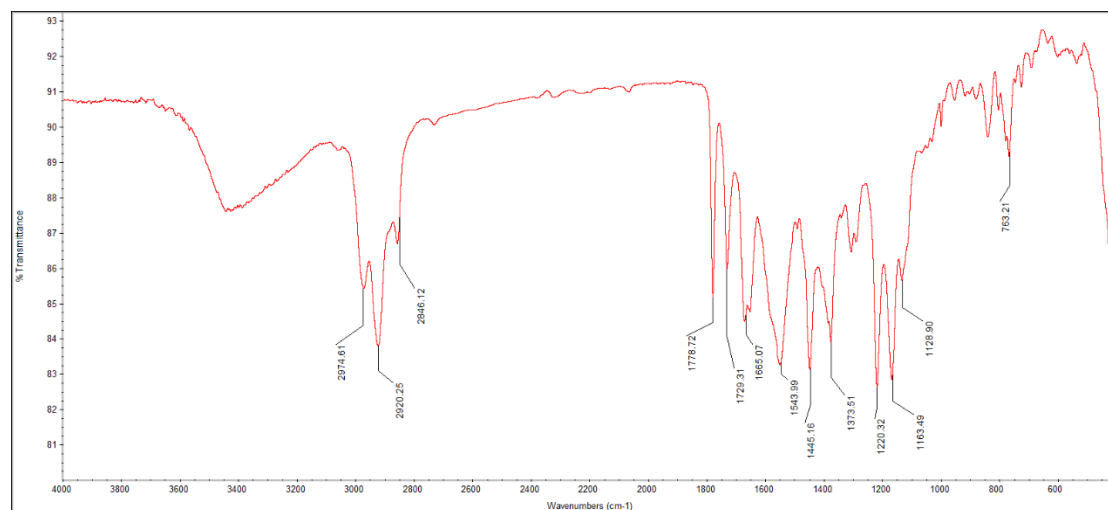


Figure S99. UV spectrum of 36-hydroxy-garciniagifolone F (10)

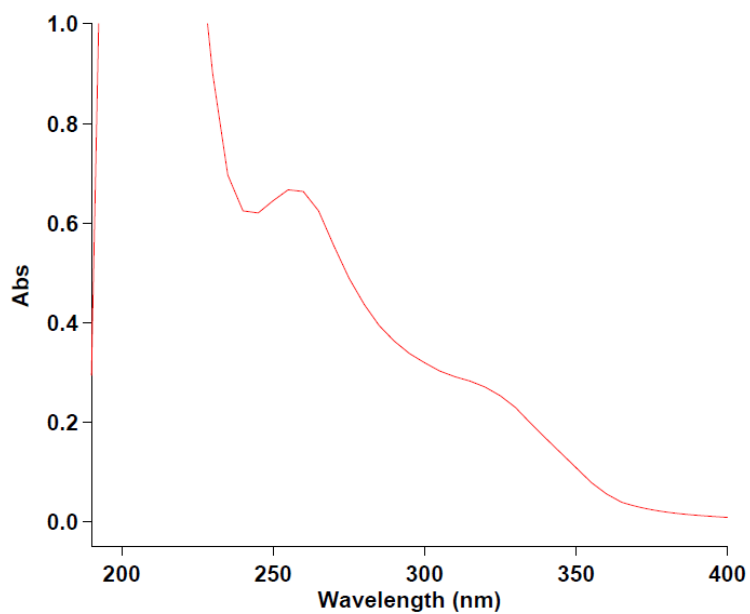


Figure S100. HRESIMS spectrum of 36-hydroxy-garciniagifolone F (10)

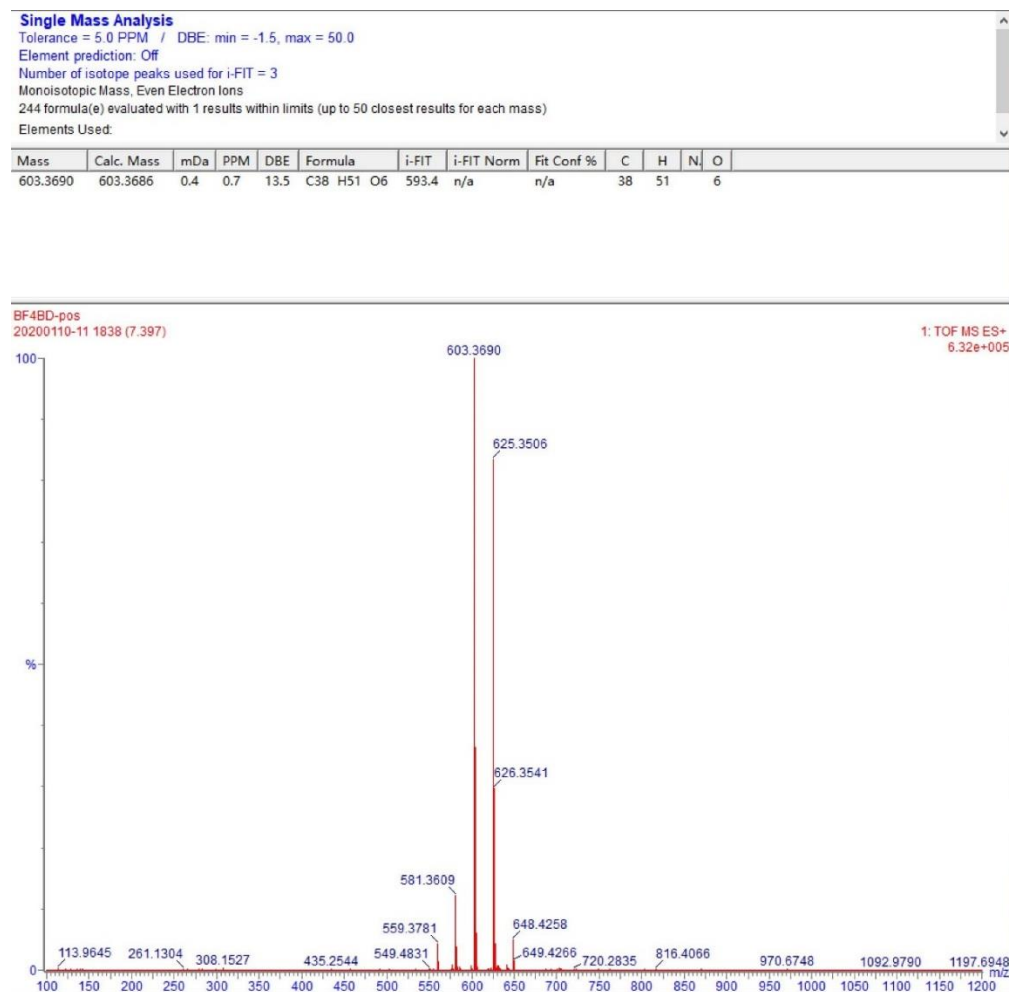


Figure S101. ECD spectrum of 36-hydroxy-garciniagifolone F (10)

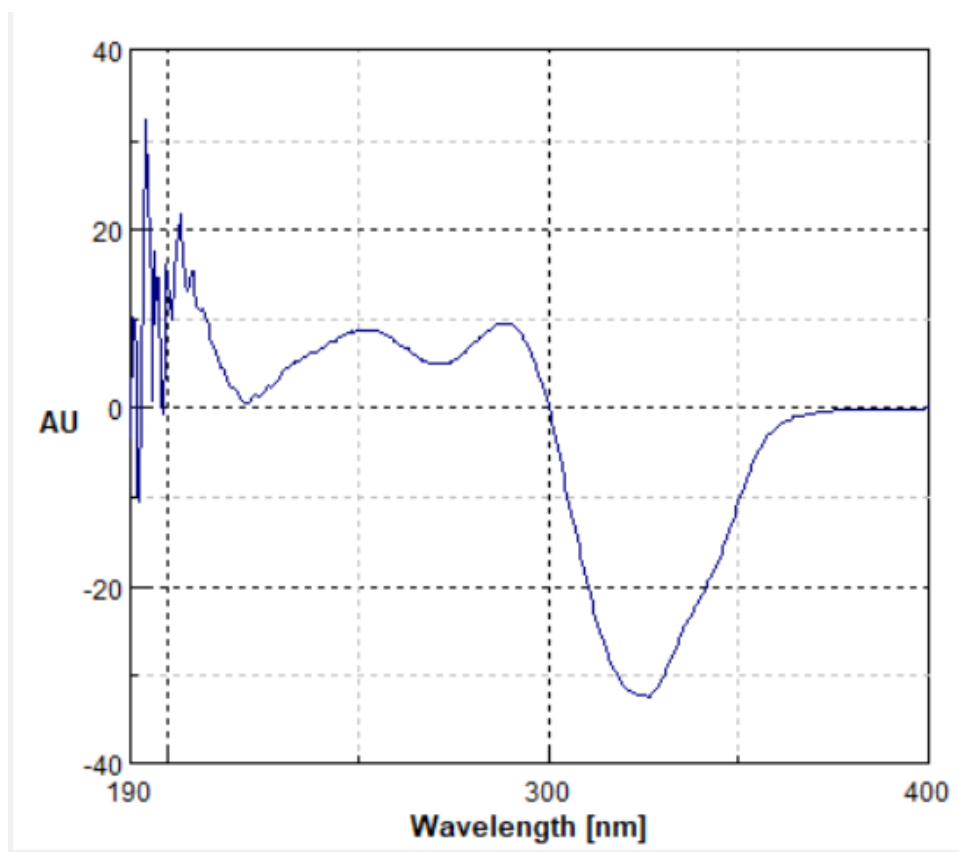


Figure S102. Preparative-HPLC program image of BA2

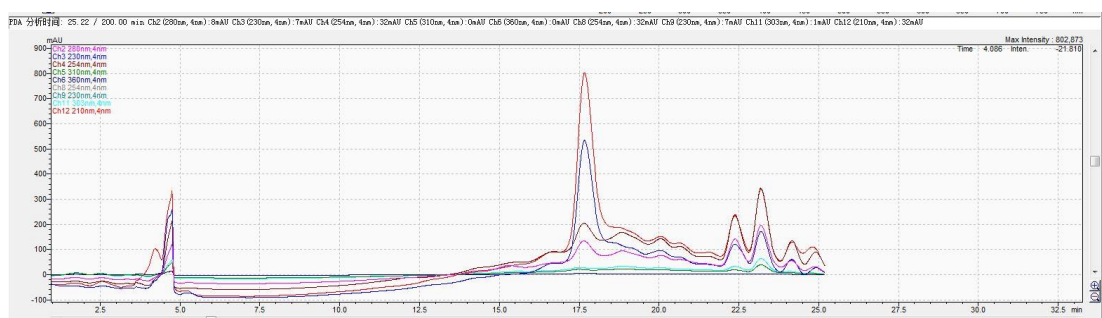


Figure S103. Preparative-HPLC program image of BF2

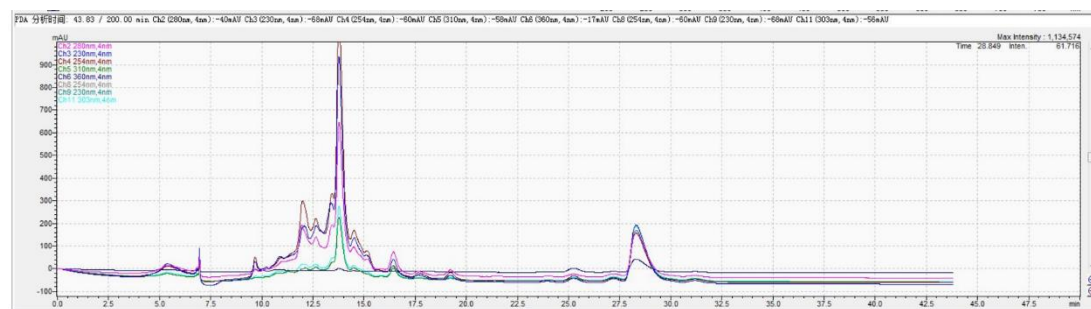


Figure S104. Preparative-HPLC program image of BF3

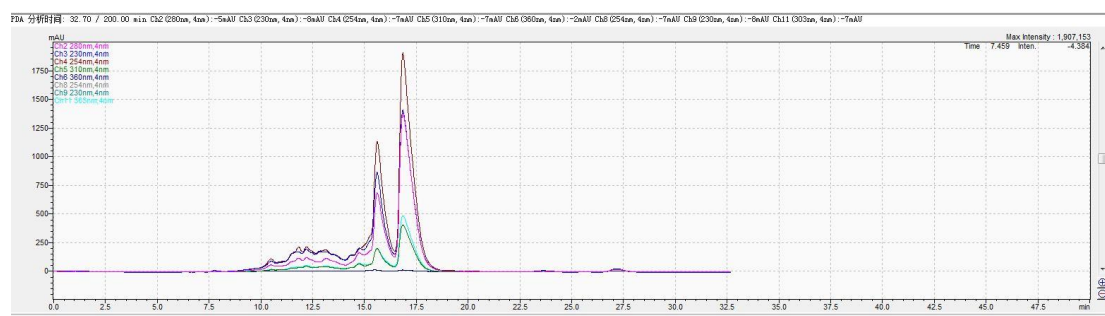


Figure S105. Preparative-HPLC program image of BF4B

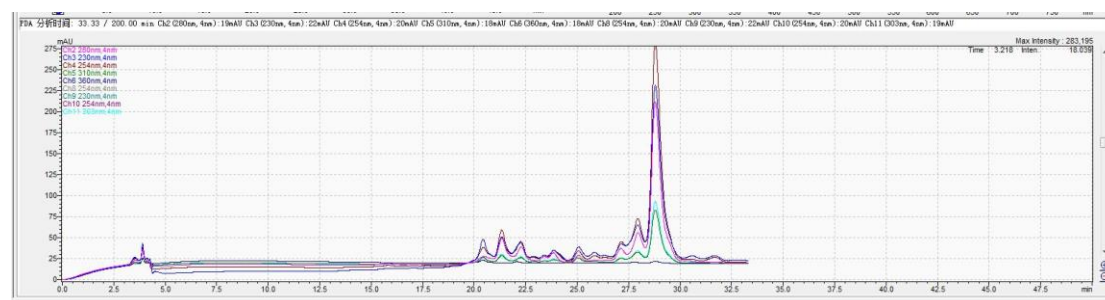


Figure S106. Preparative-HPLC program image of BF4D

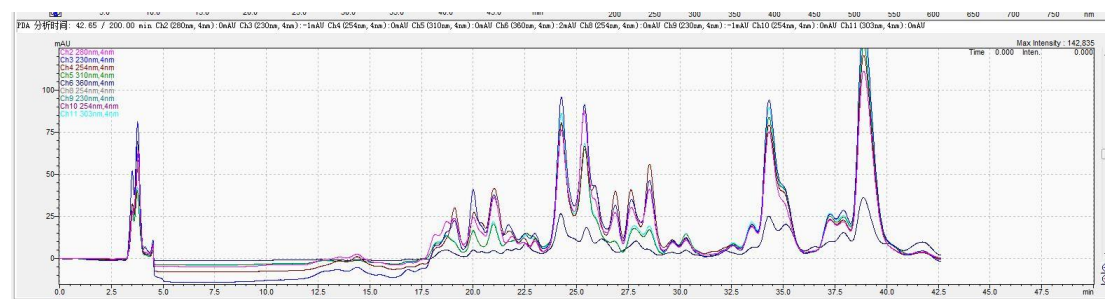


Figure S107. Preparative-HPLC program image of GD

