

Supplementary Material

Synthesis of some new 5-arylidene-2,4-thiazolidinedione esters

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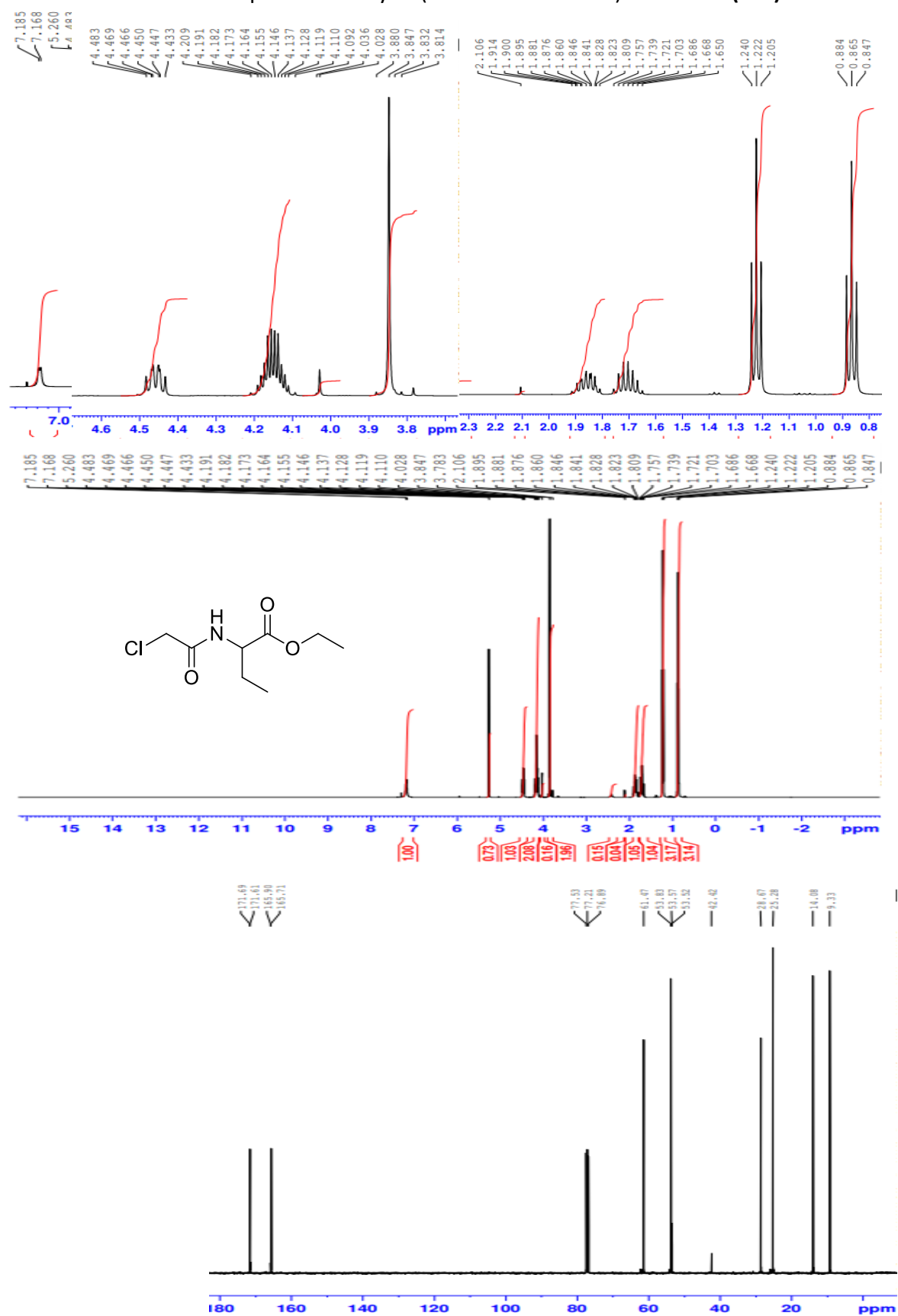
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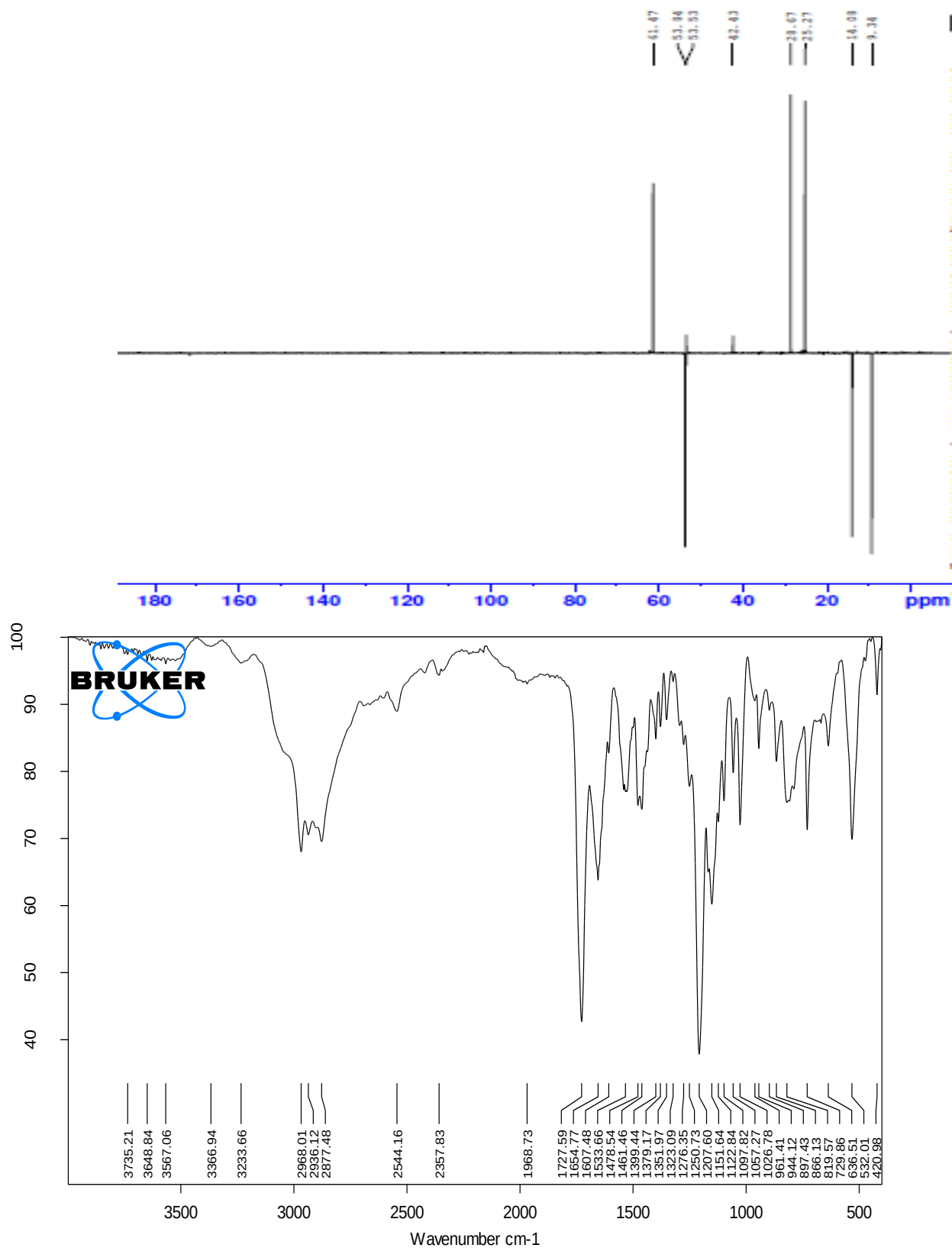
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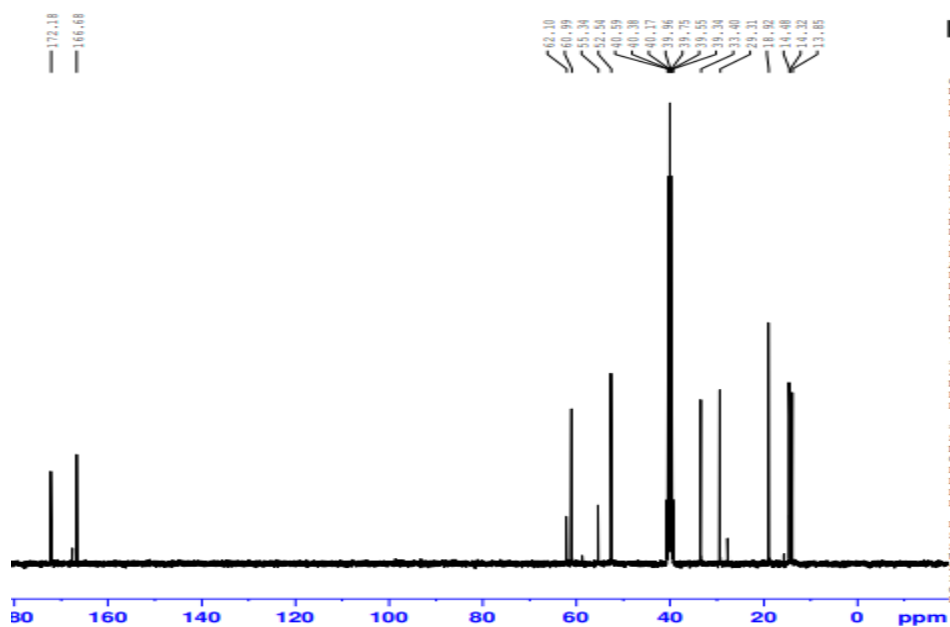
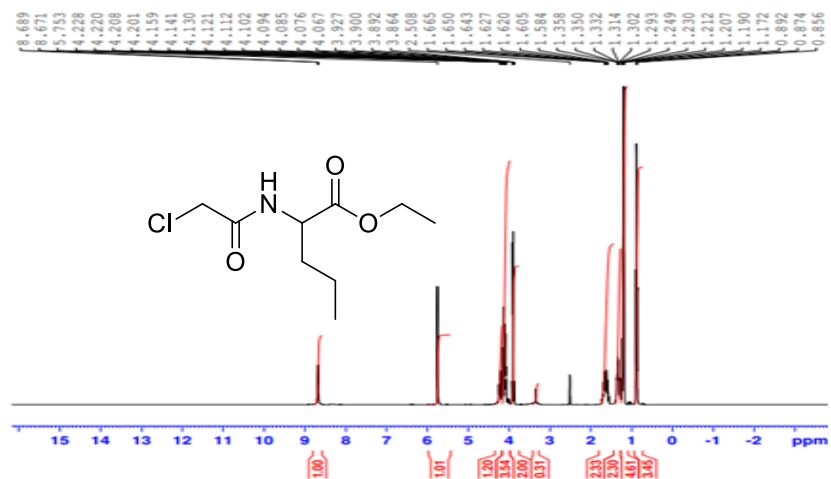
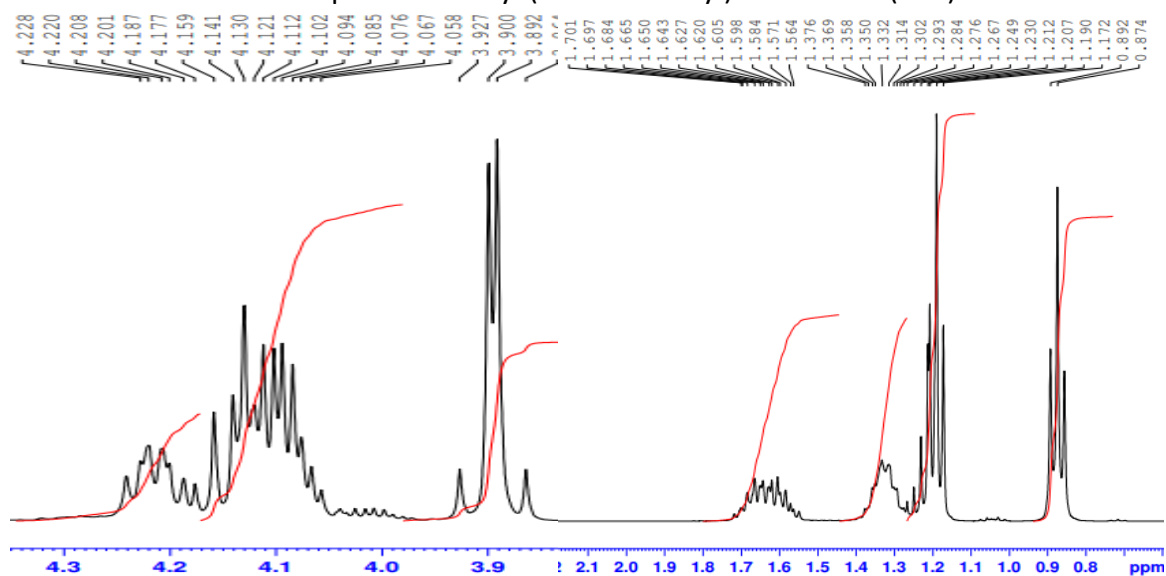
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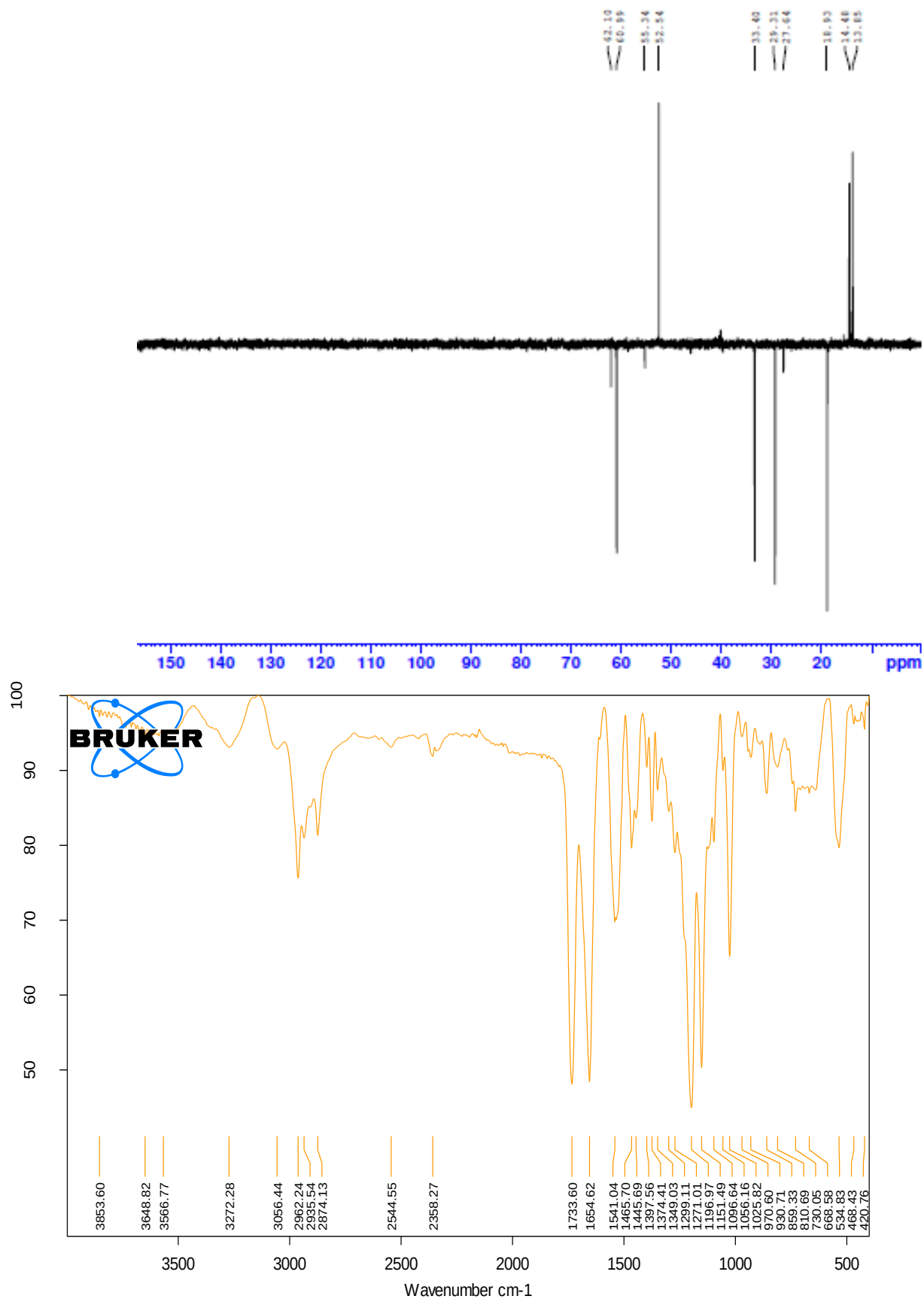
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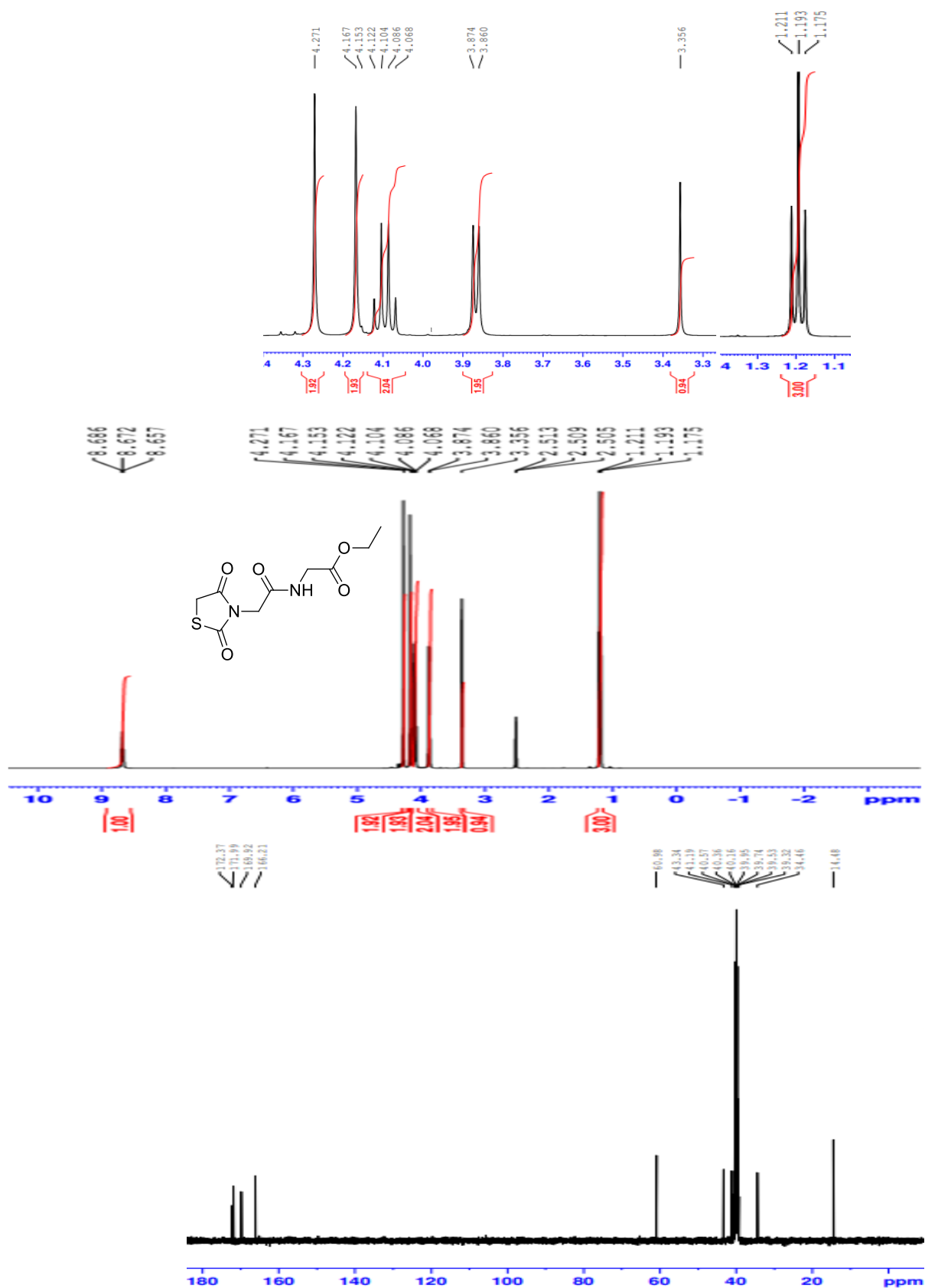
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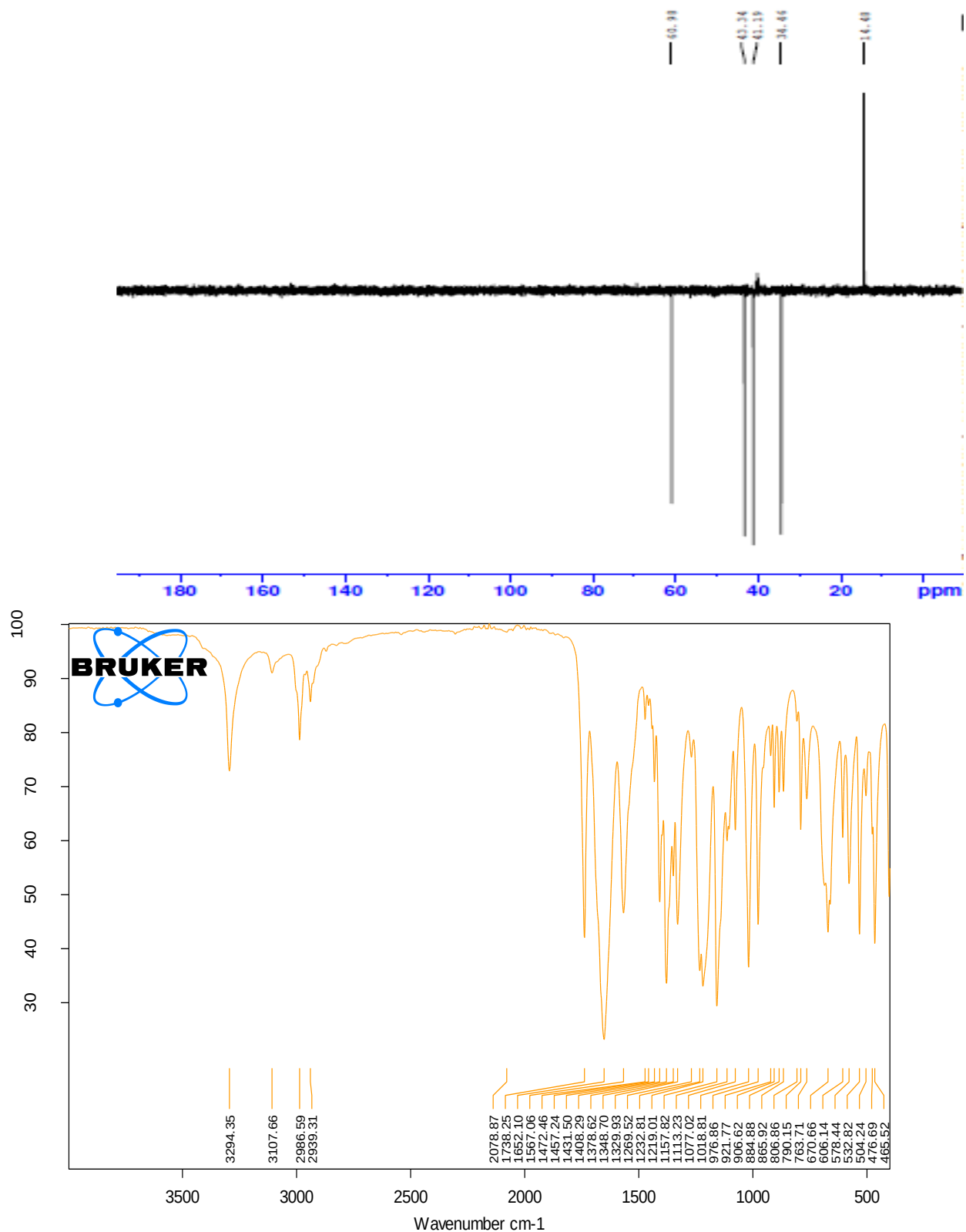
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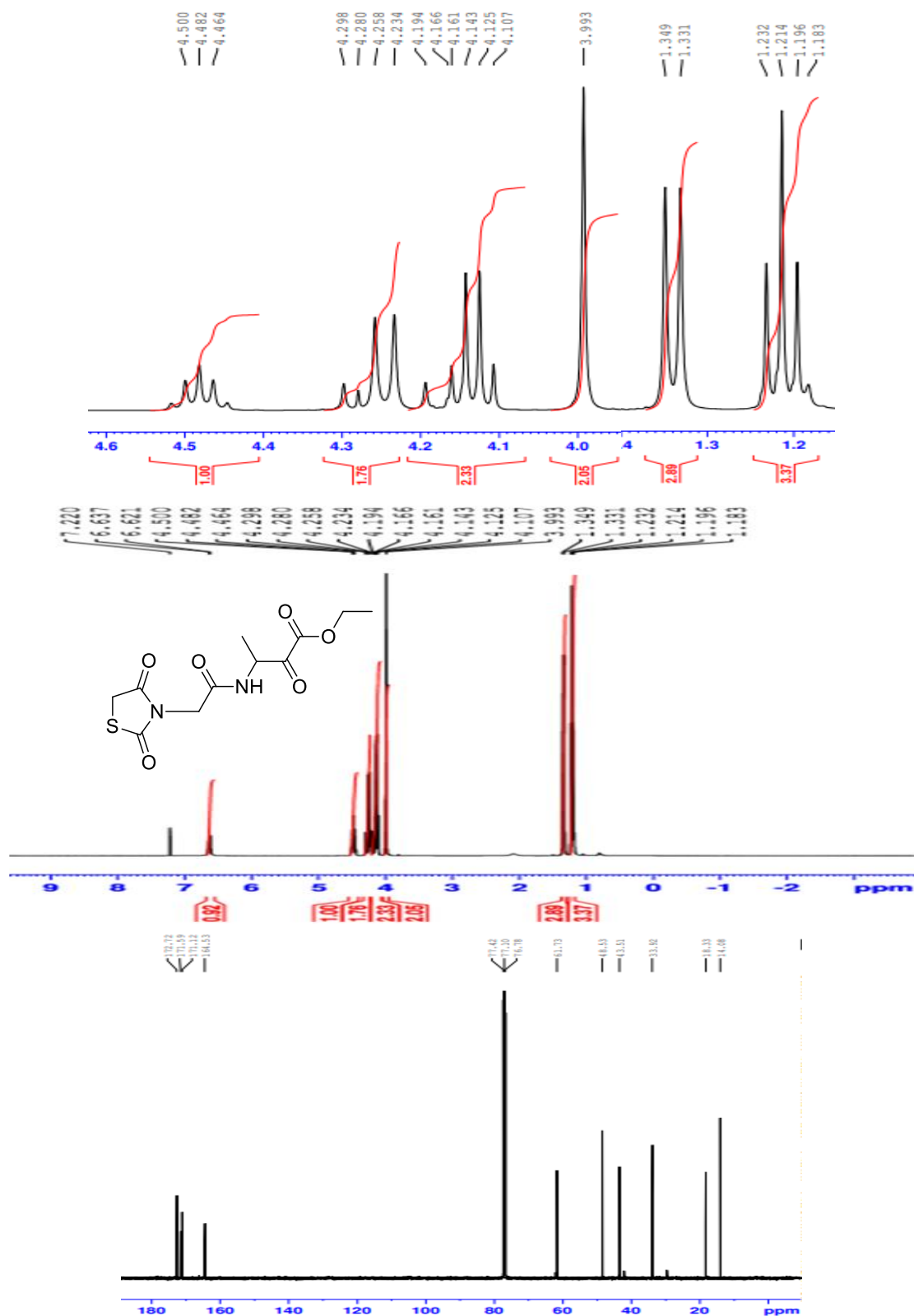
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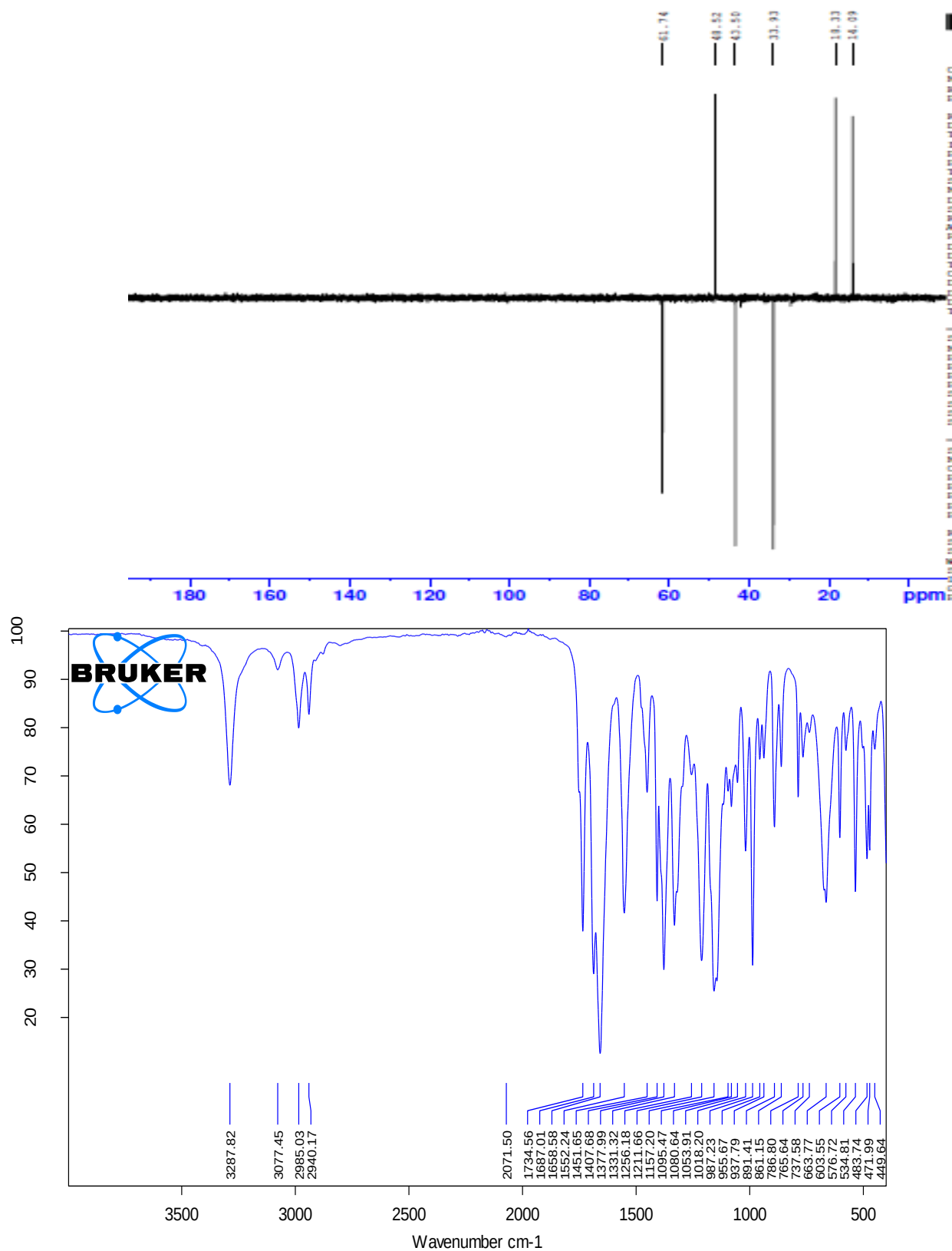
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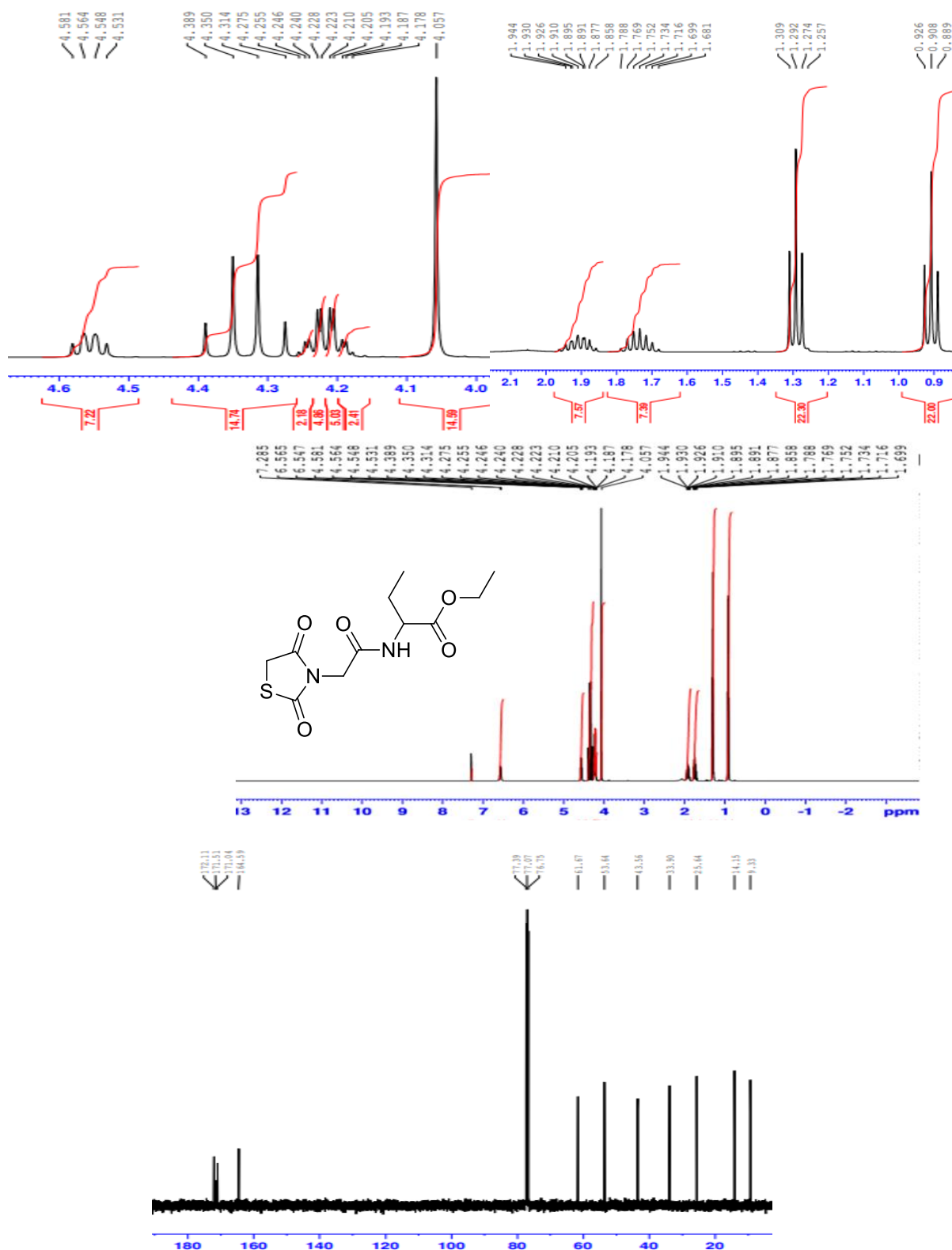
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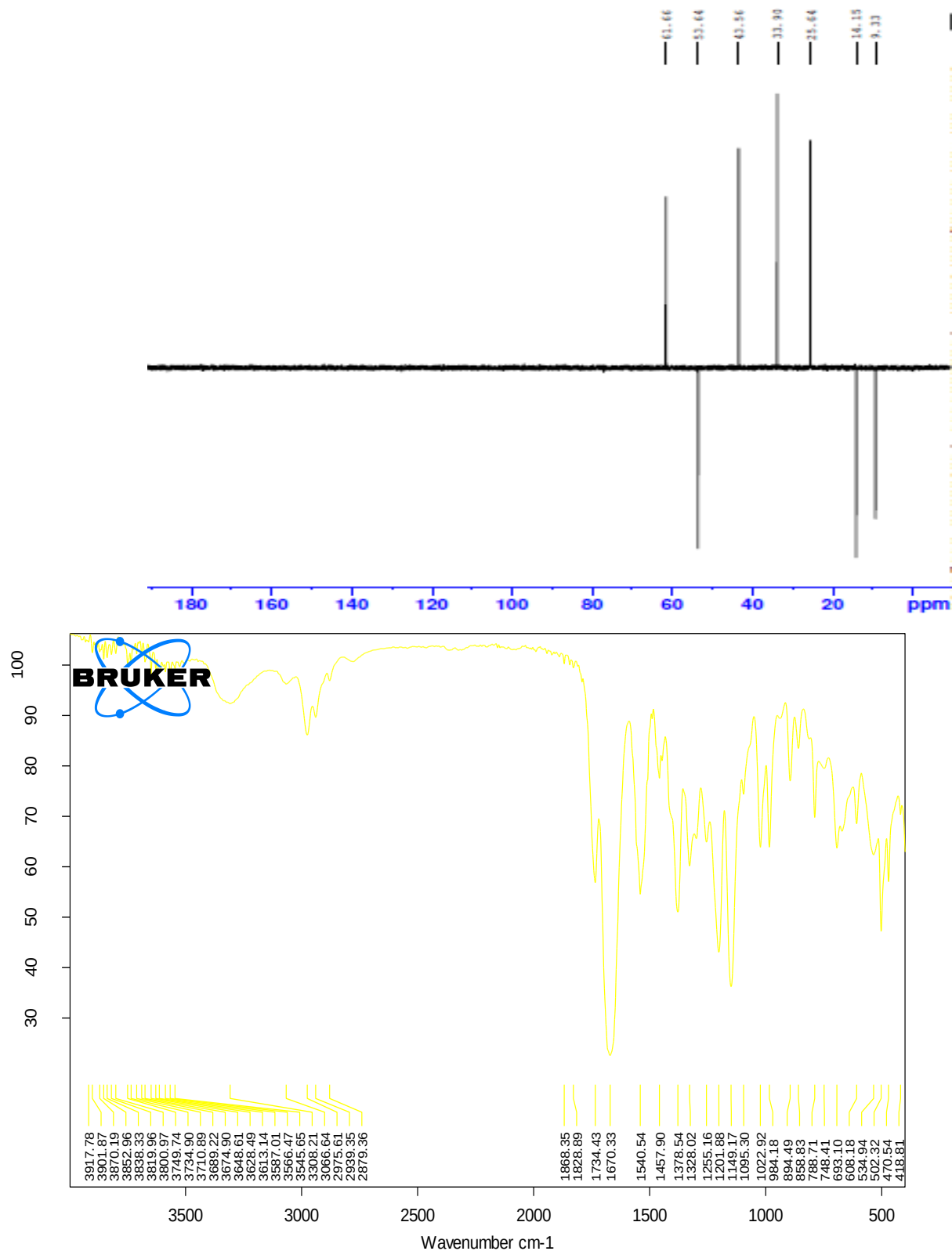
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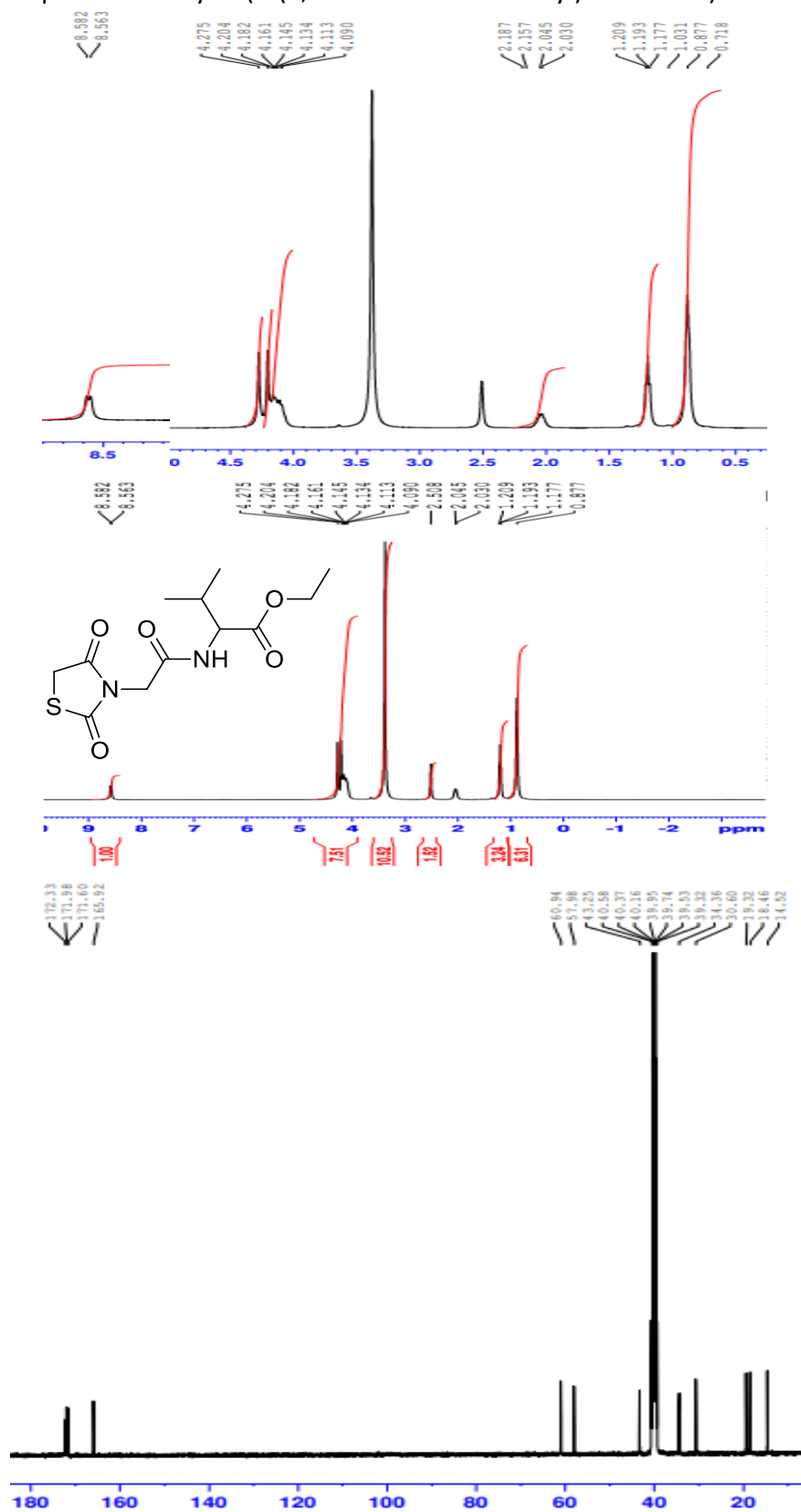
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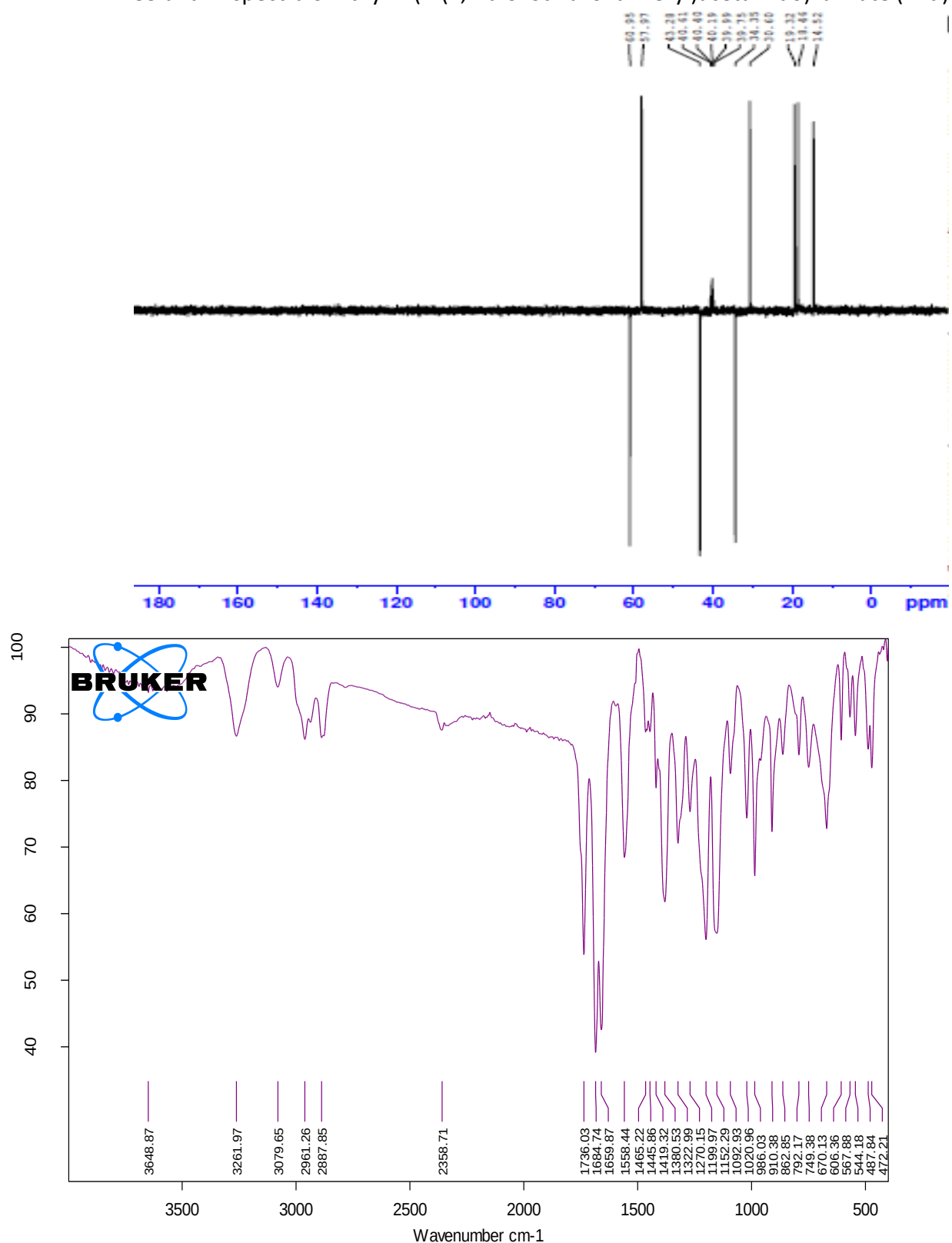
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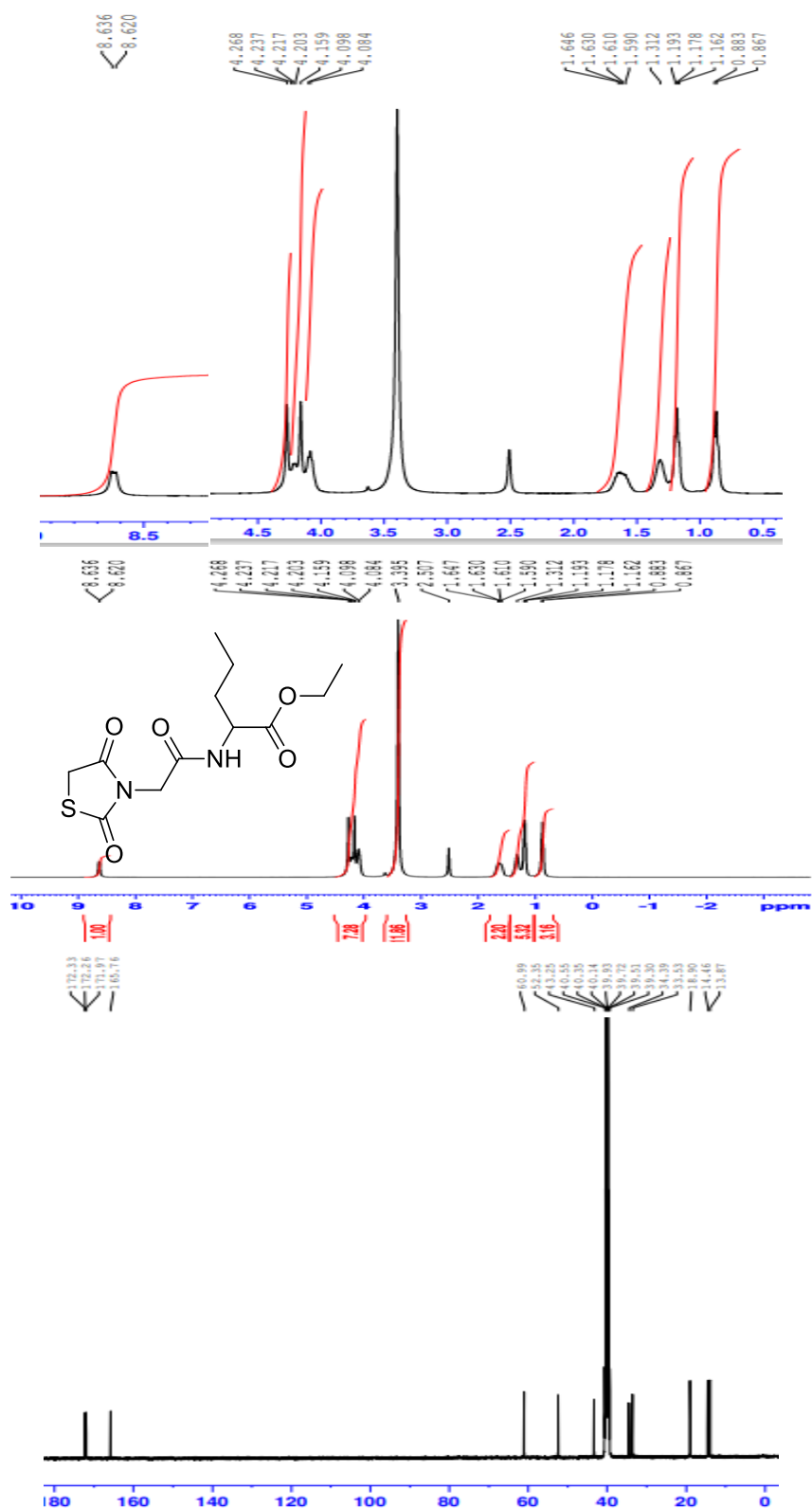
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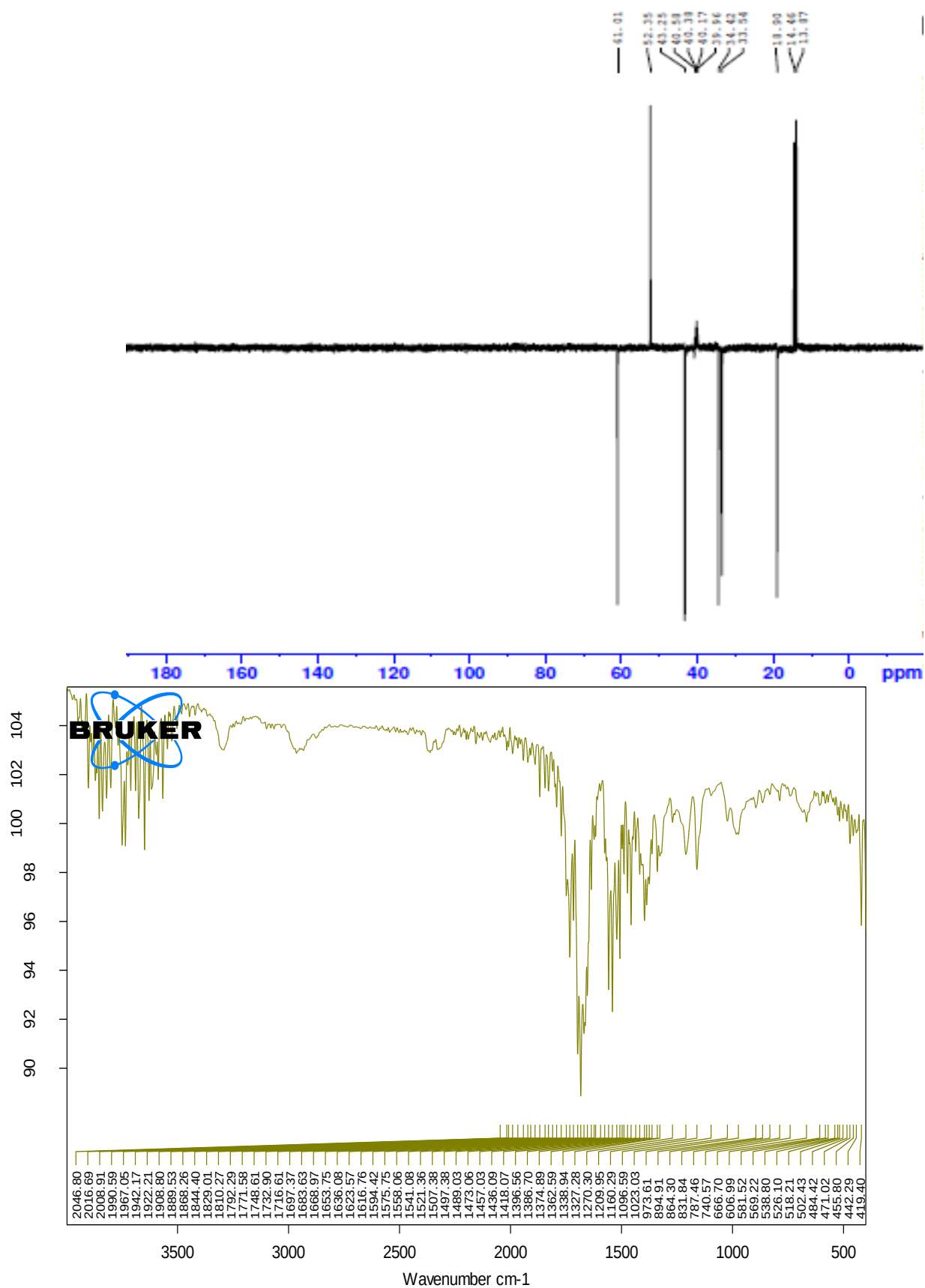
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S10. DEPT-135 and IR spectra of Ethyl 2-(2-(2,4-dioxothiazolidin-3-yl)acetamido)butanoate (**12c**)

S11. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(2,4-dioxothiazolidin-3-yl)acetamido)valinate (**12d**)

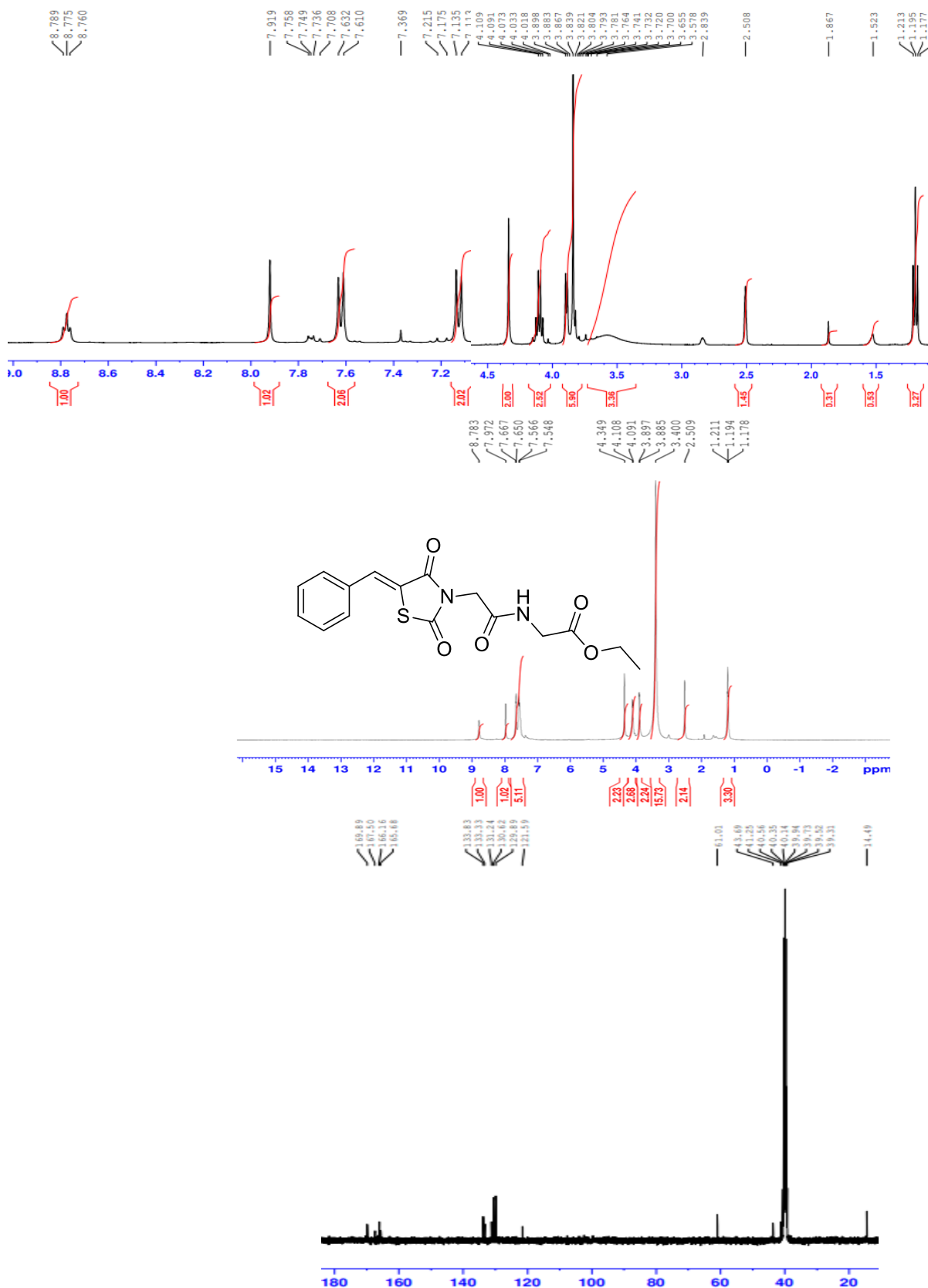
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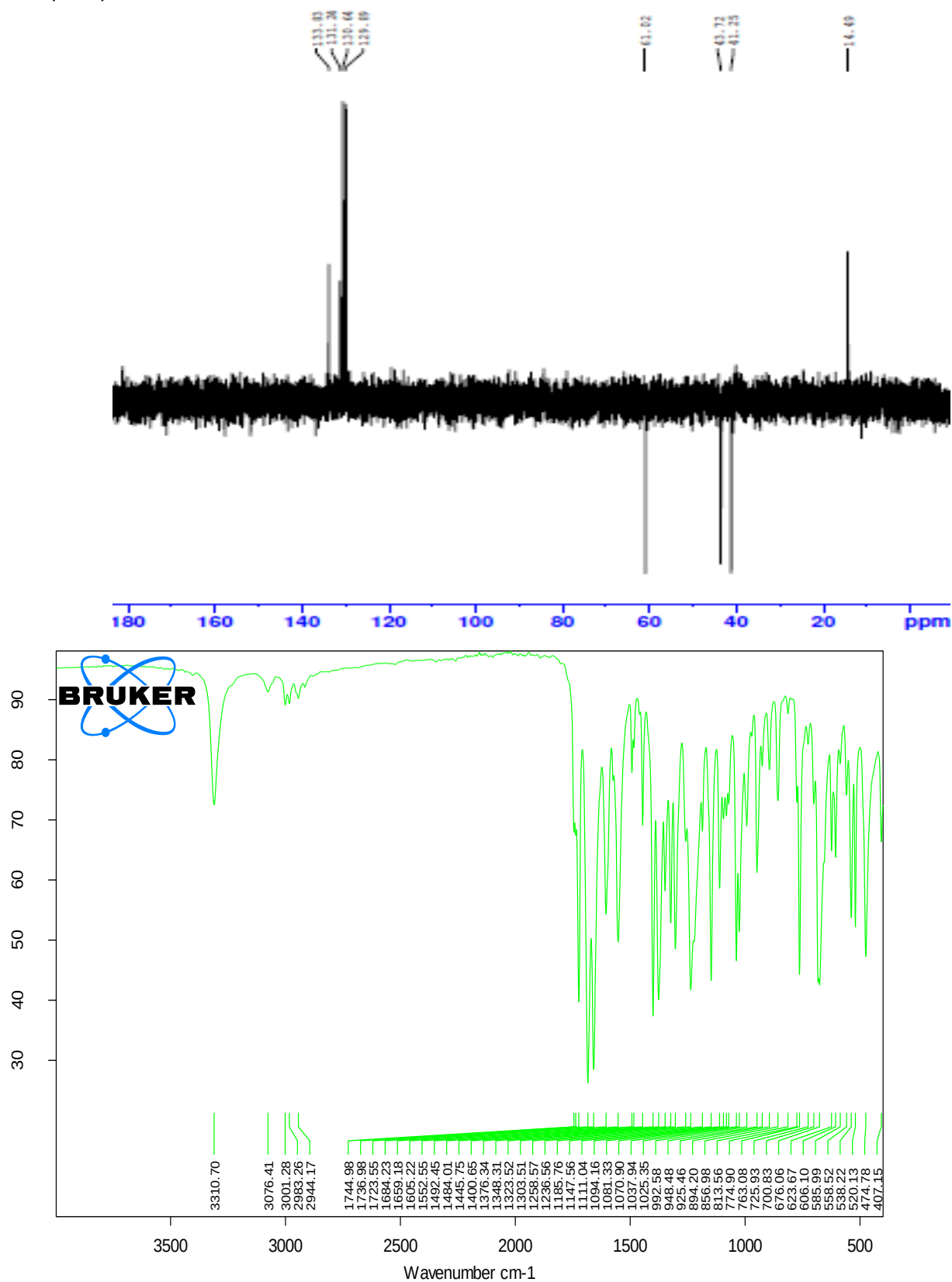
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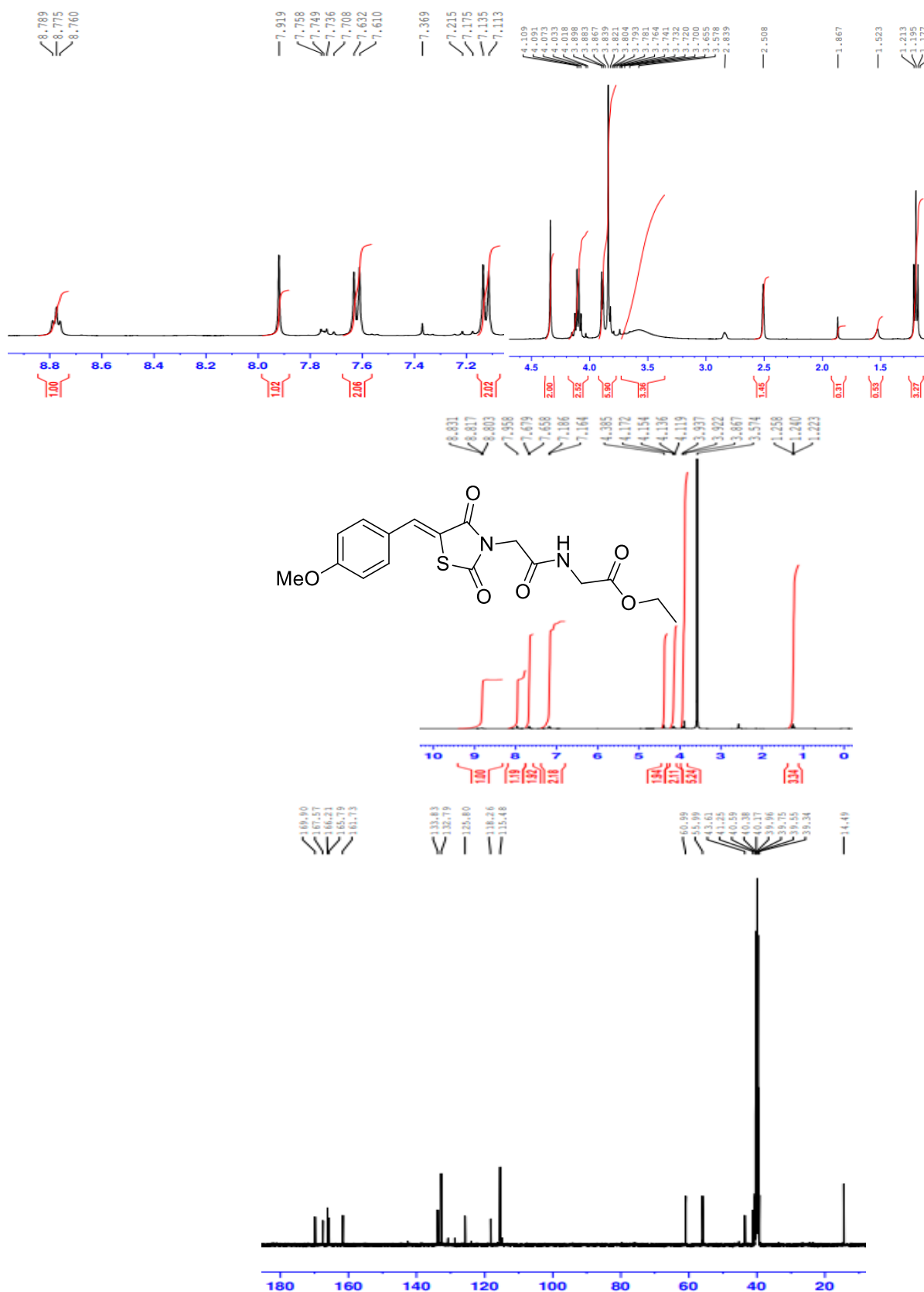
S15. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-benzylidene-2,4-dioxothiazolidin-3-yl) acetamido) glycinate

(13ai)

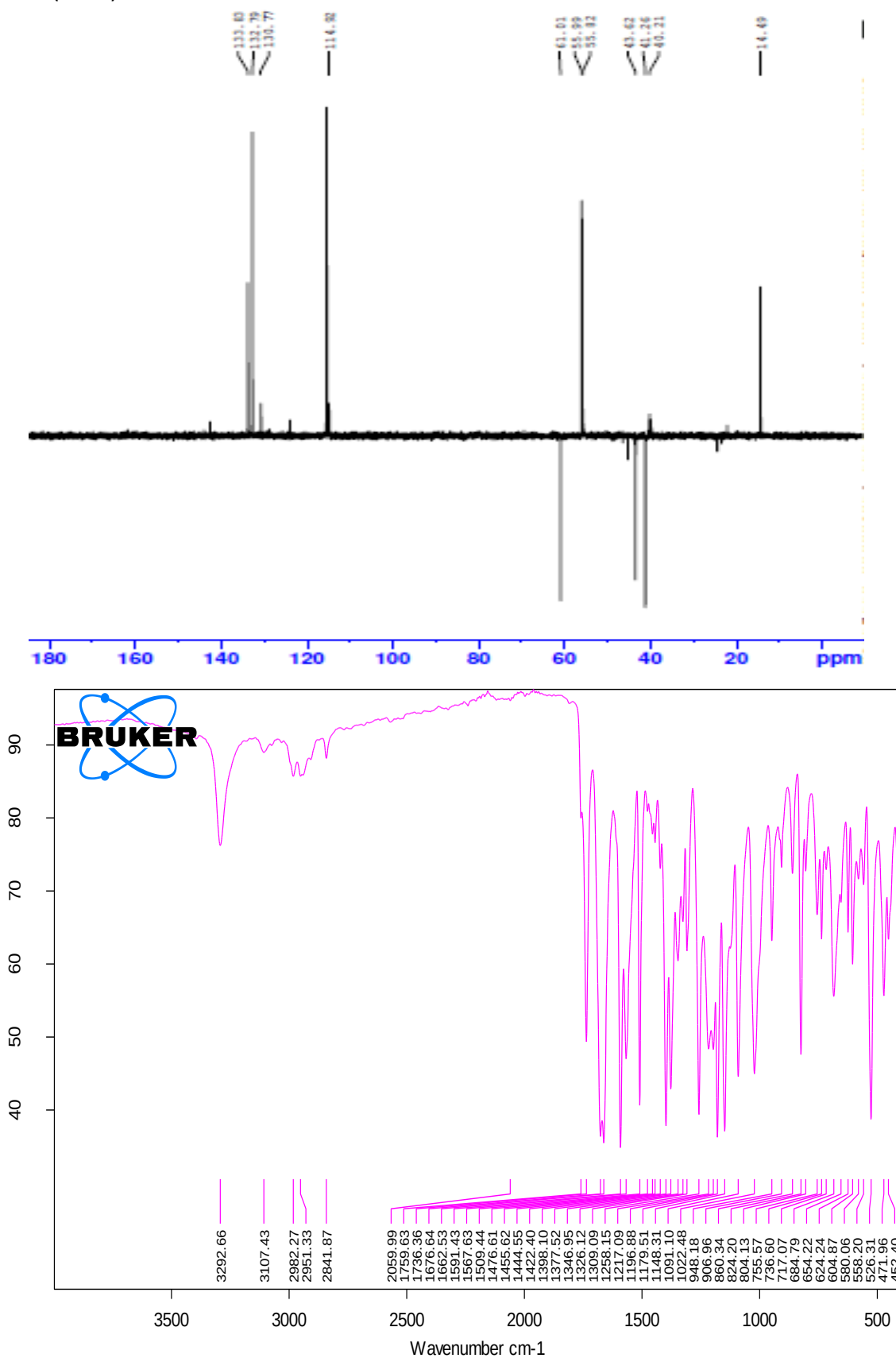


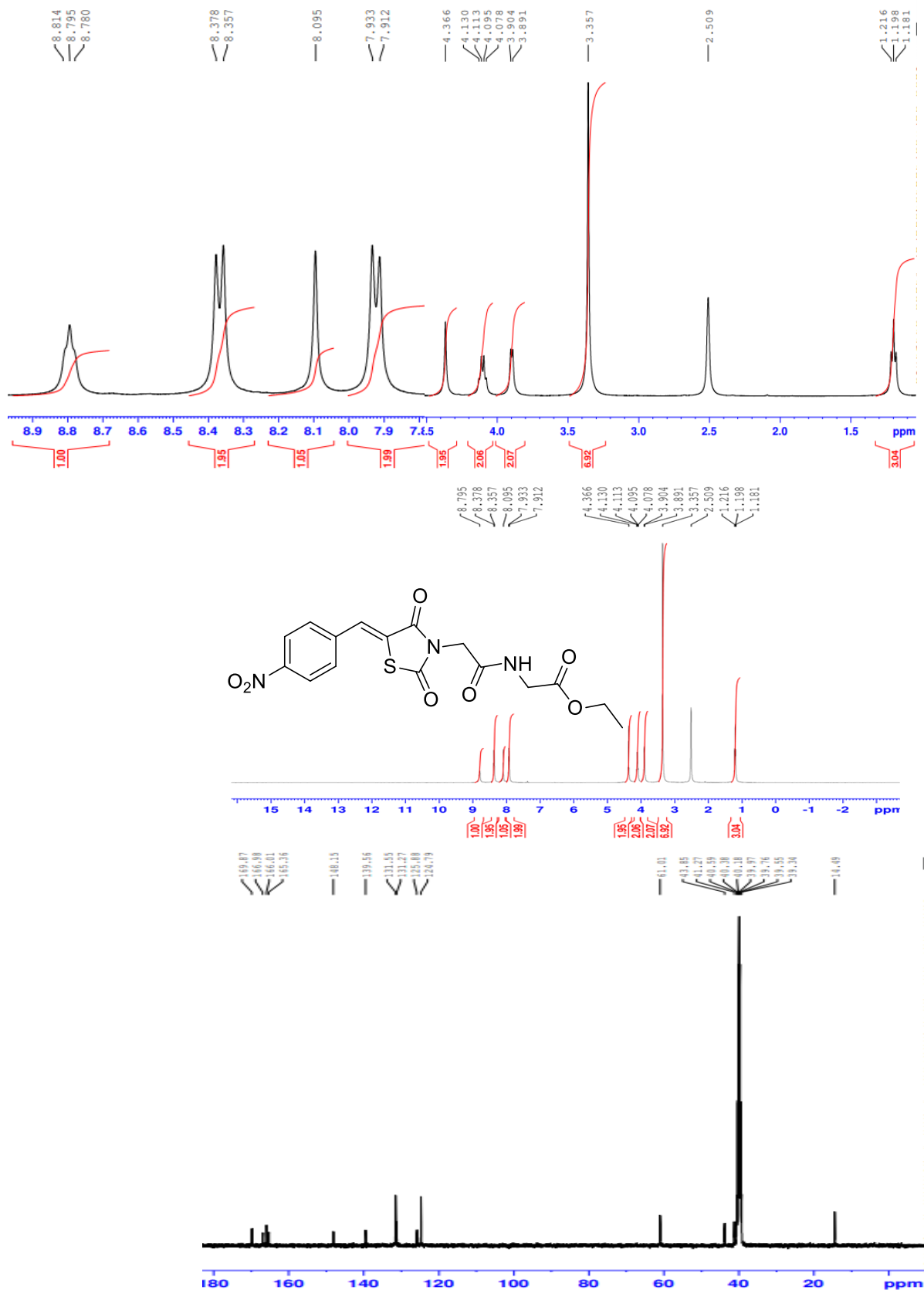
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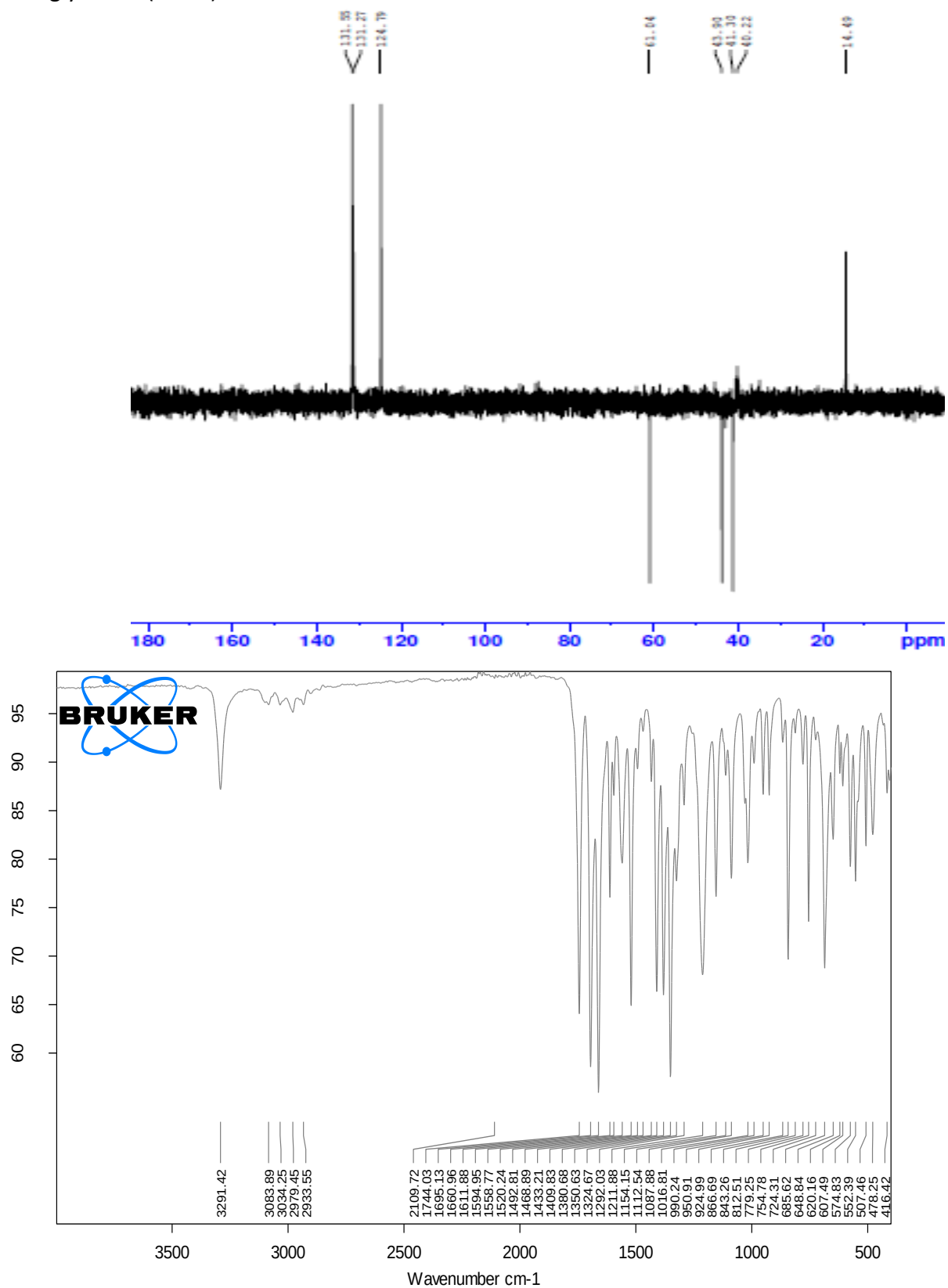
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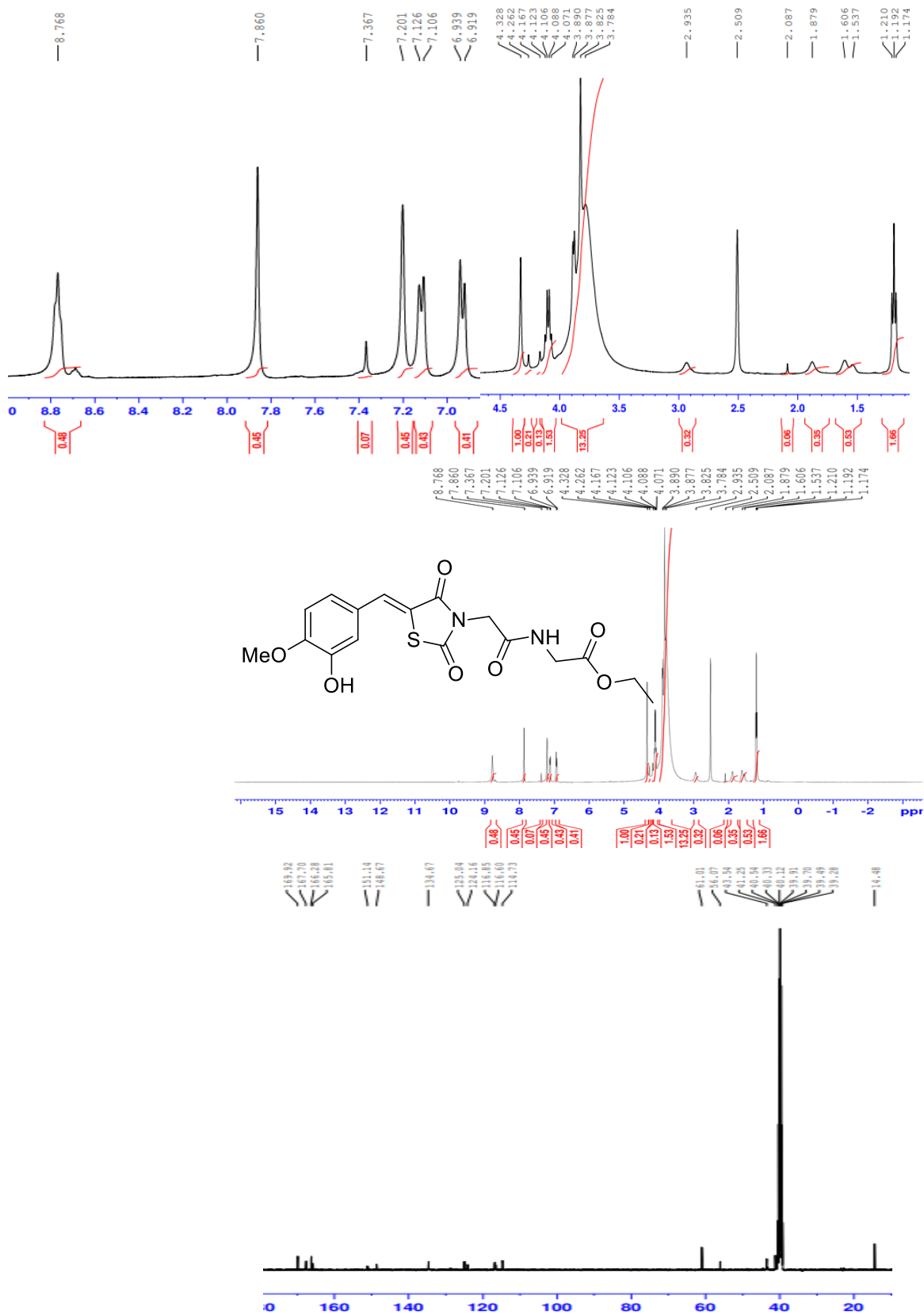
S18. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-methoxybenzylidene)-2,4-dioxothiazolidin-3yl) acetamido) glycinate (**13aii**)



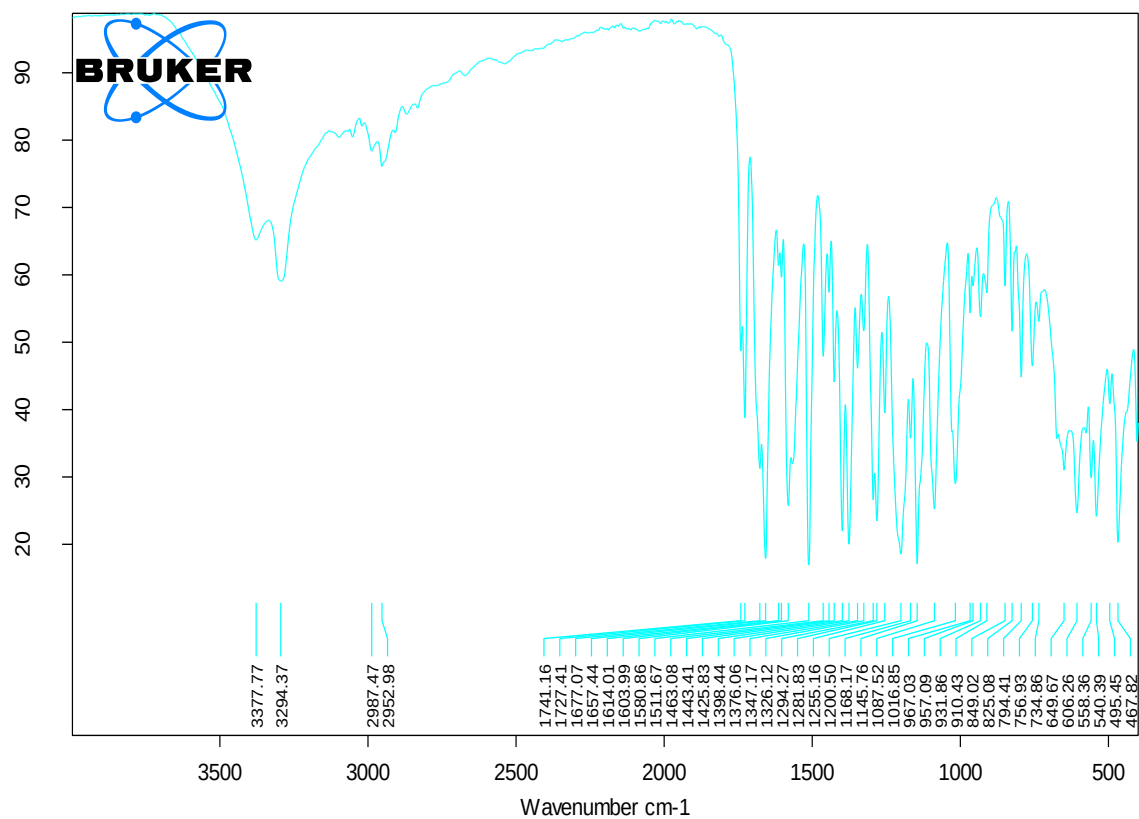
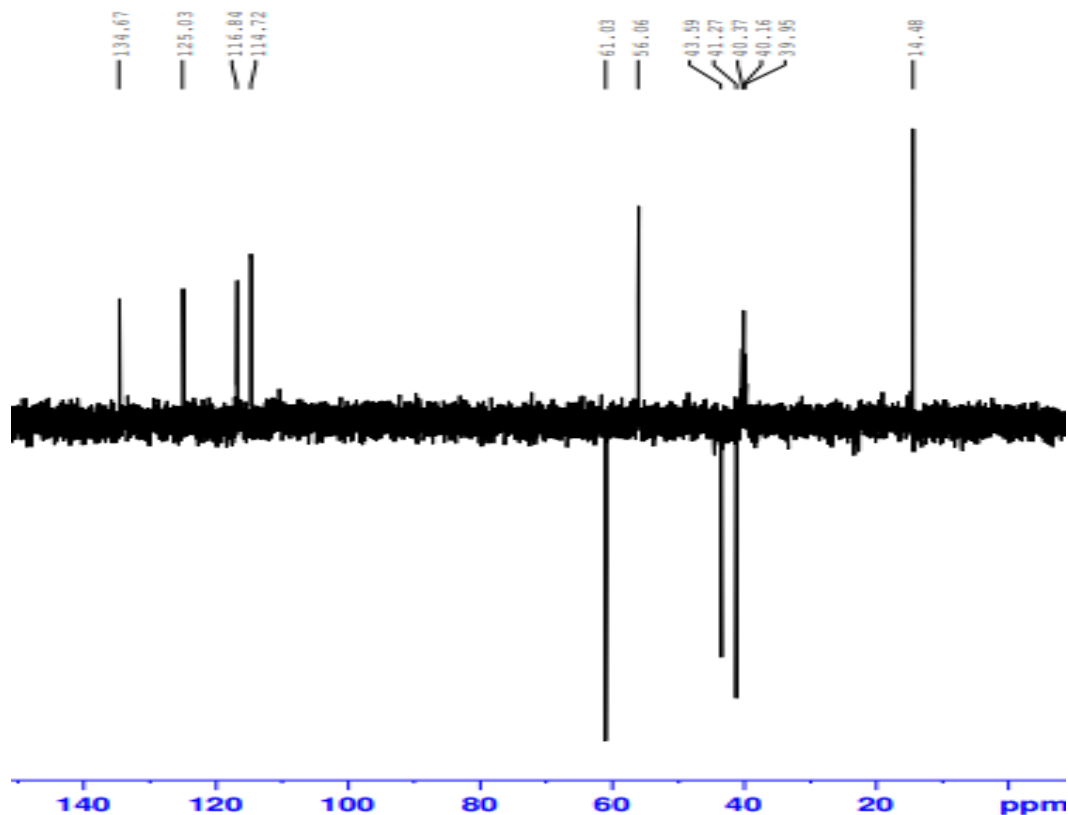
S19. ^1H and ^{13}C NMR of Ethyl 2-(2-(5-(4-nitrobenzylidene)-2,4-dioxothiazolidin-3-yl) acetamido) glycinate (13aiii)

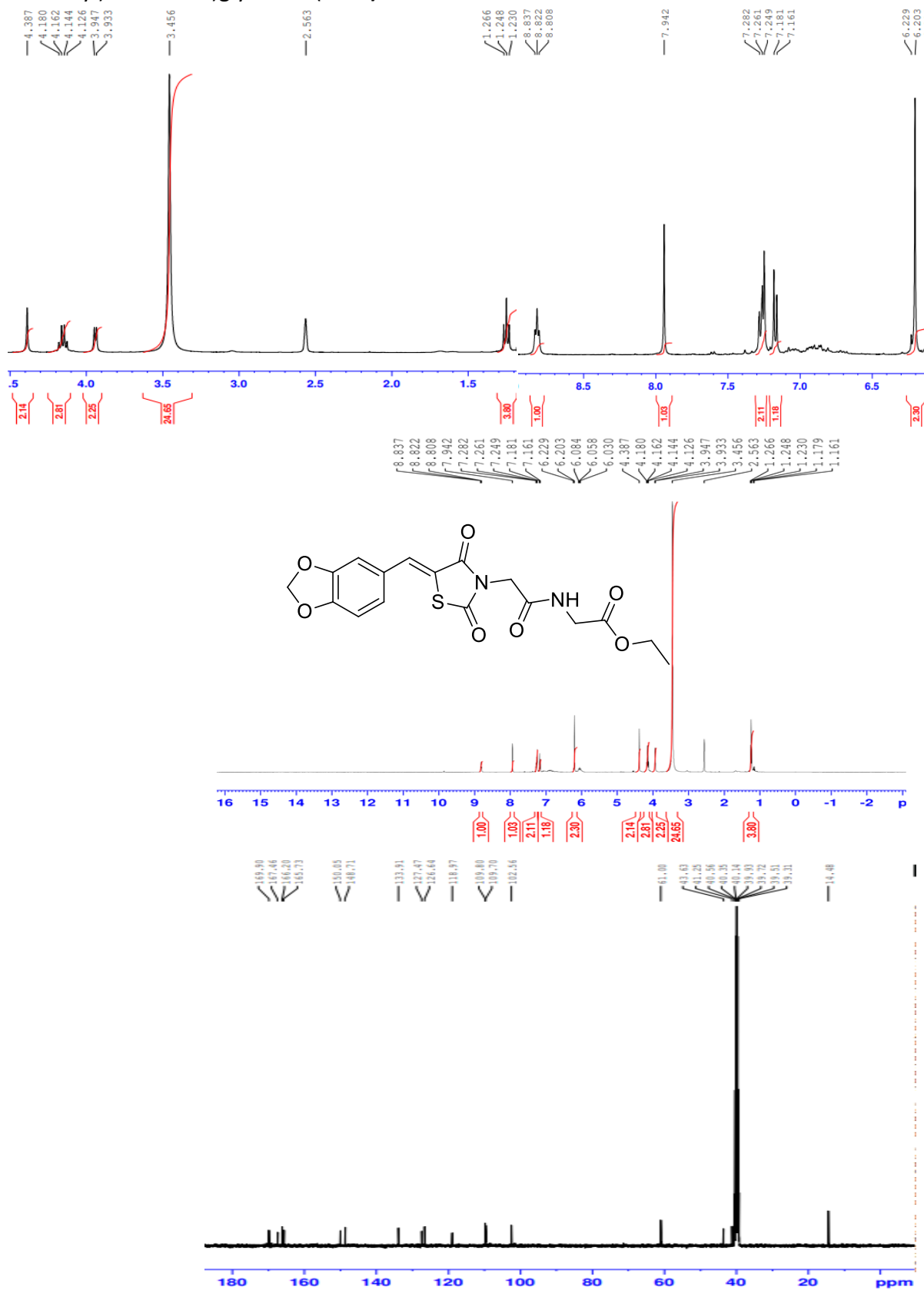
S20. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-nitrobenzylidene)-2,4-dioxothiazolidin-3-yl) acetamido) glycinate (**13aiii**)



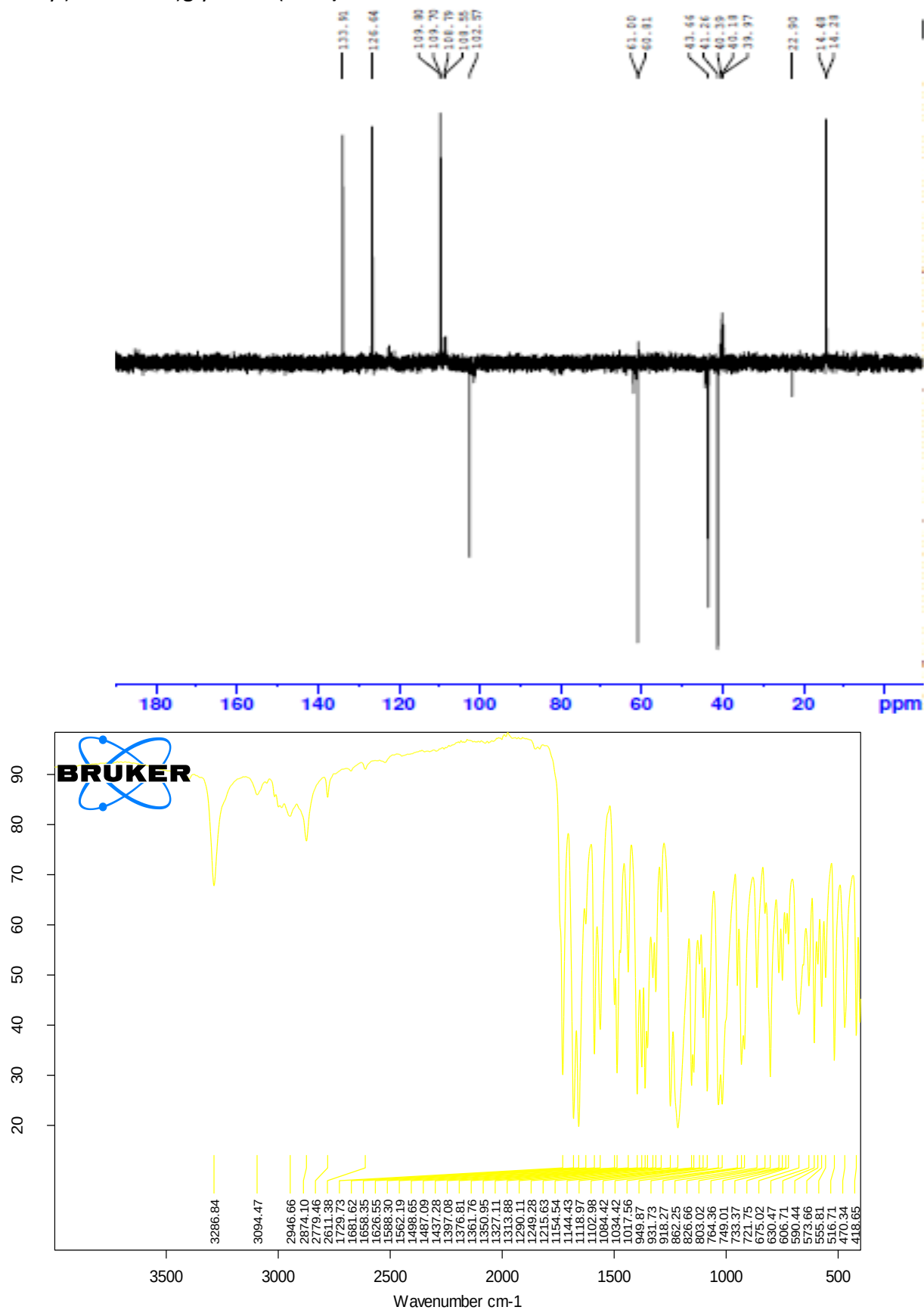
S21. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(3-hydroxy-4-methoxybenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido) glycinate (**13aiv**)

S22. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(3-hydroxy-4-methoxybenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido) glycinate (**13aiv**)

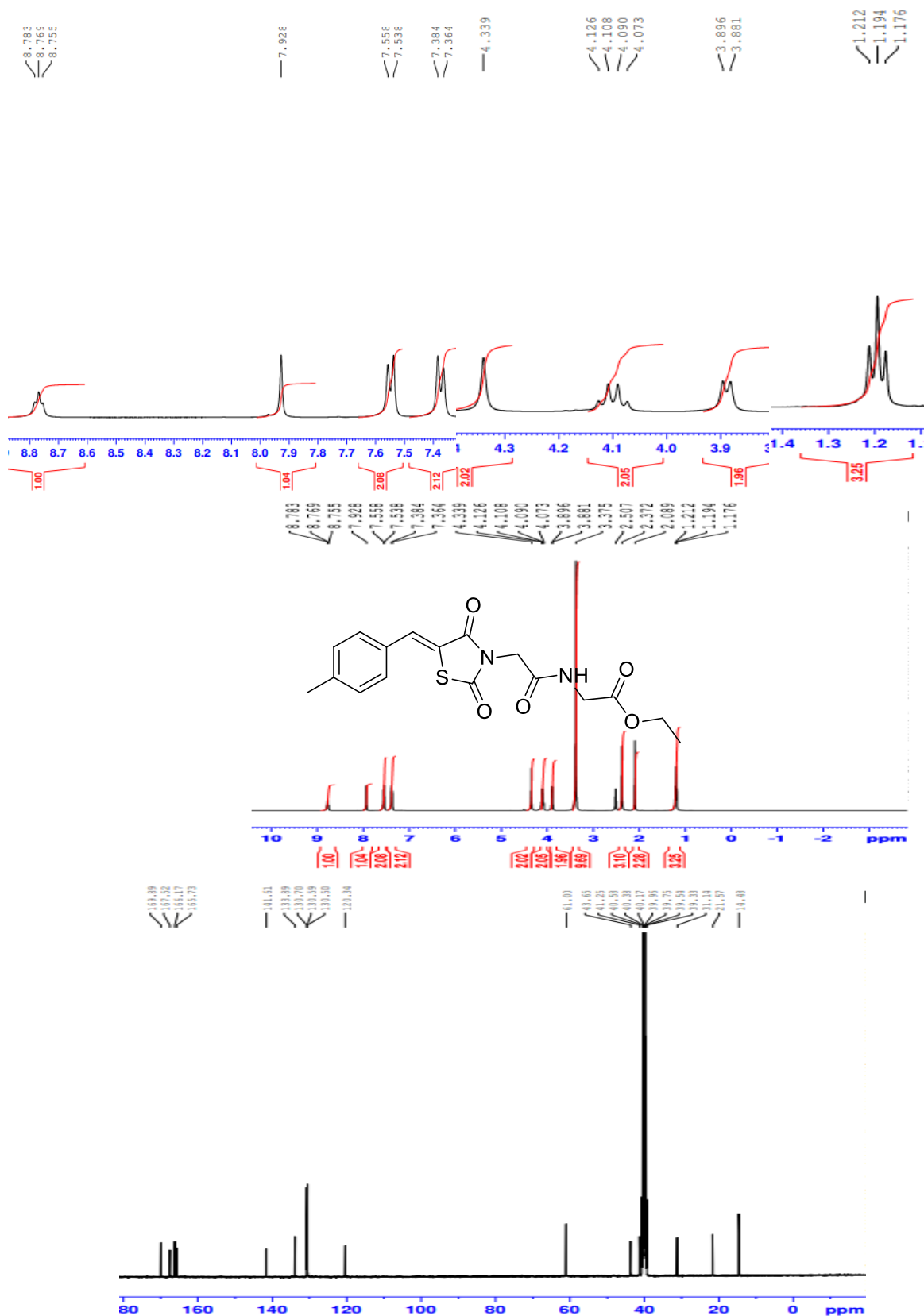


S23. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(Benzo[d][1,3] dioxol-5-ylmethylene)-2,4-dioxothiazolidin-3-yl)acetamido)glycinate (**13av**)

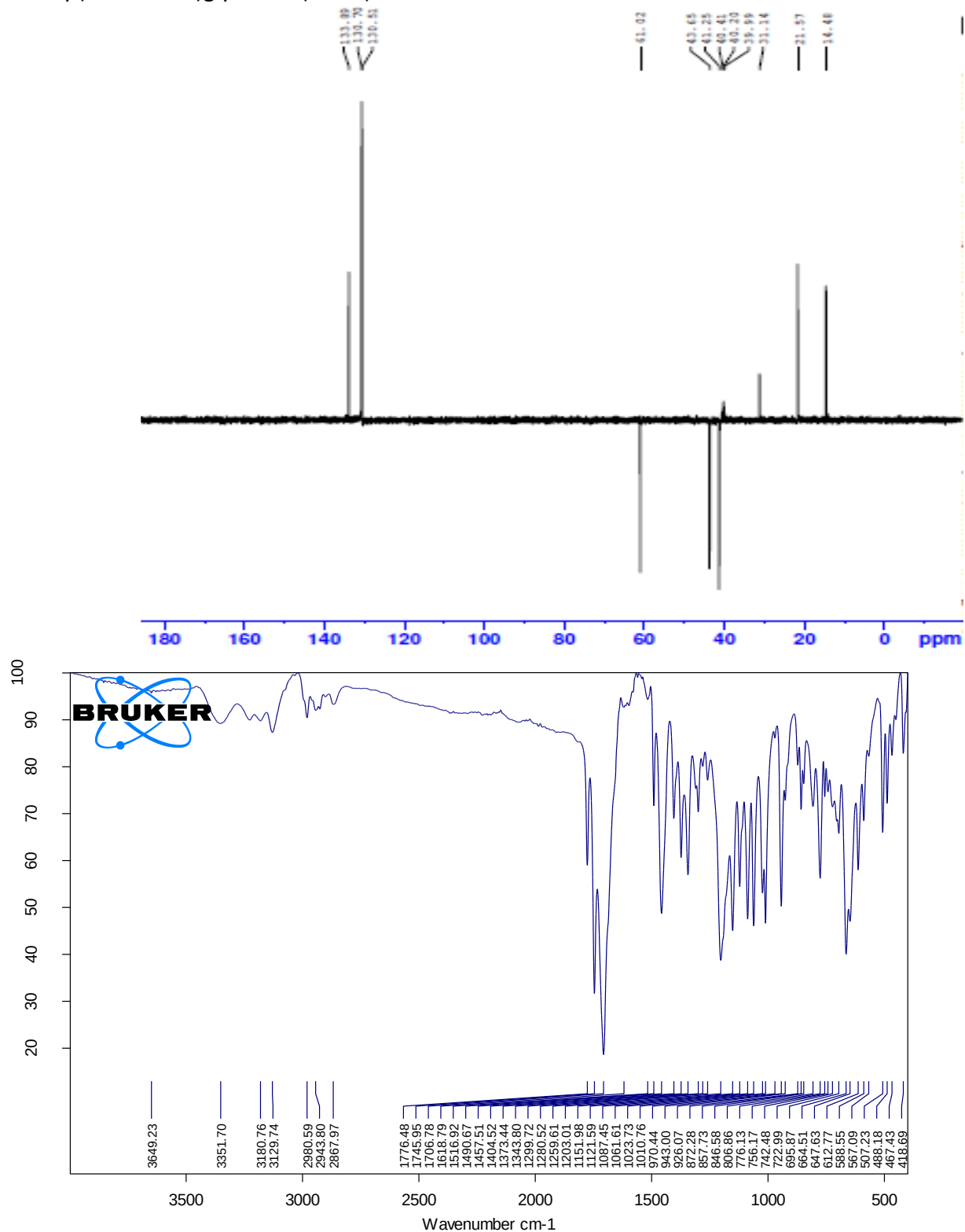
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S25. ^1H and ^{13}C NMR spectra of ethyl 2-(2-(5-(4-methylbenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido)glycinate (**13avi**)



S26. DEPT-135 and IR spectra of ethyl 2-(2-(5-(4-methylbenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido)glycinate (**13avi**)

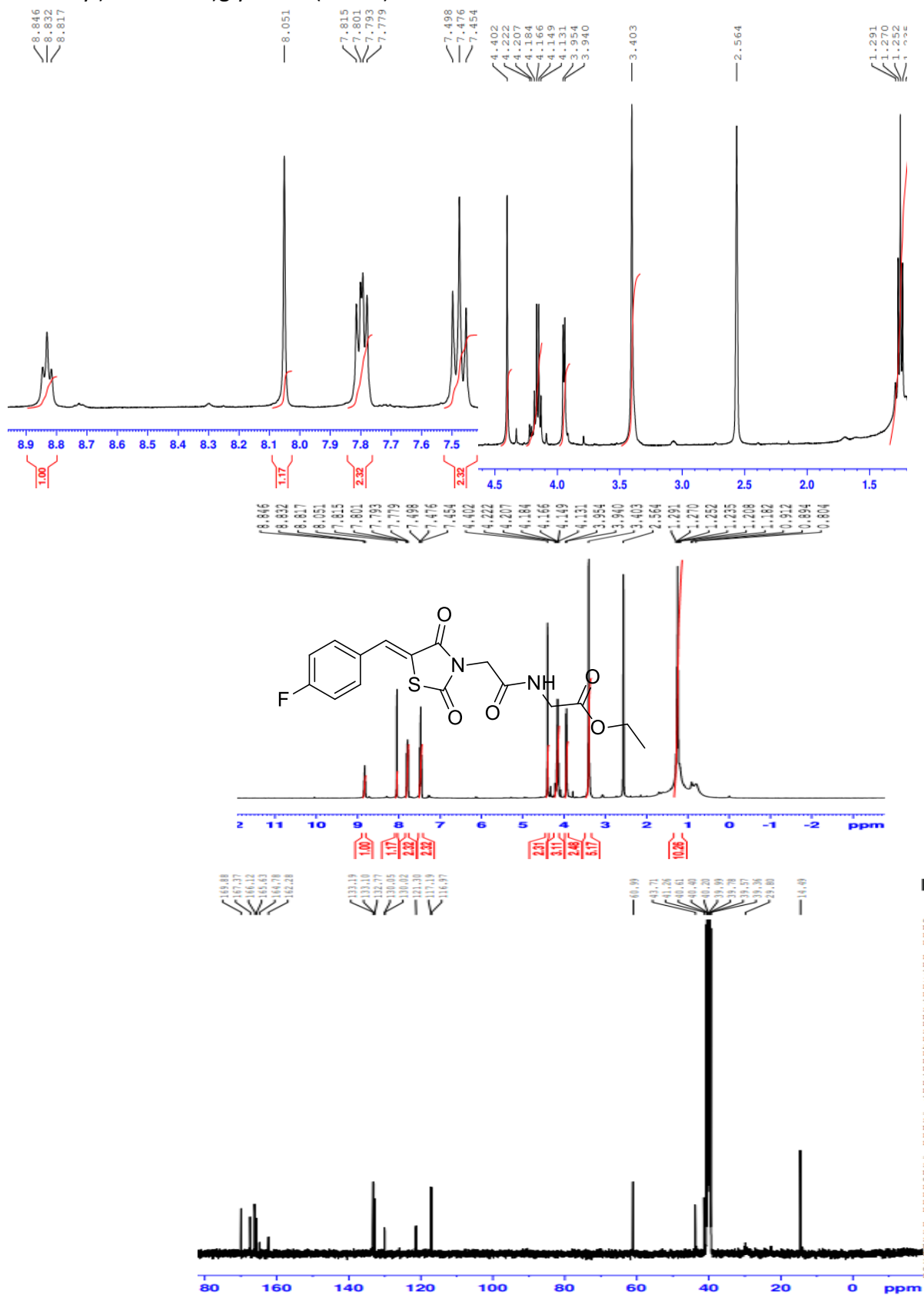


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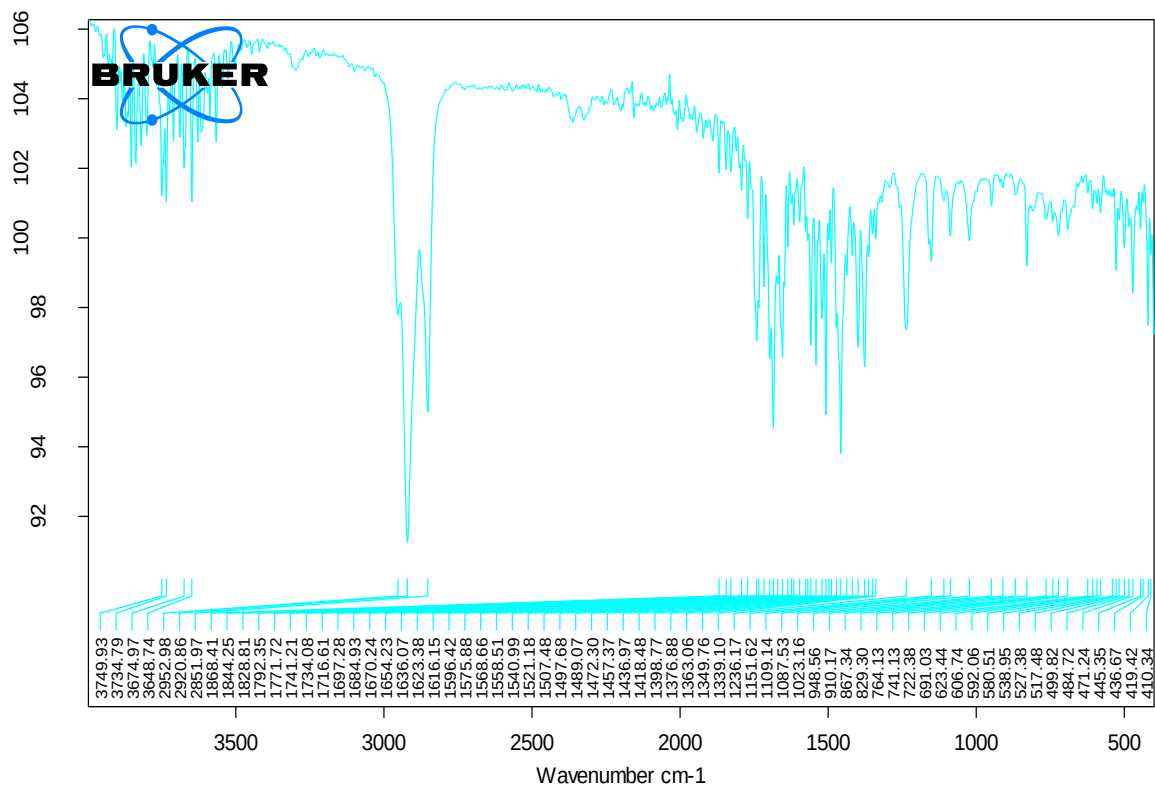
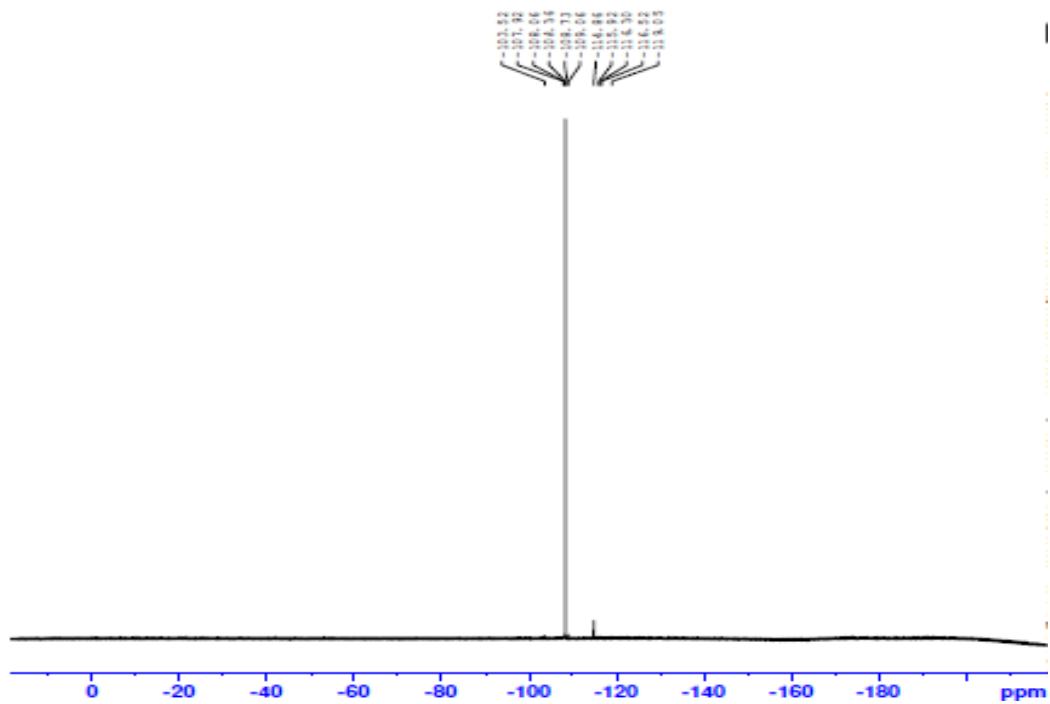
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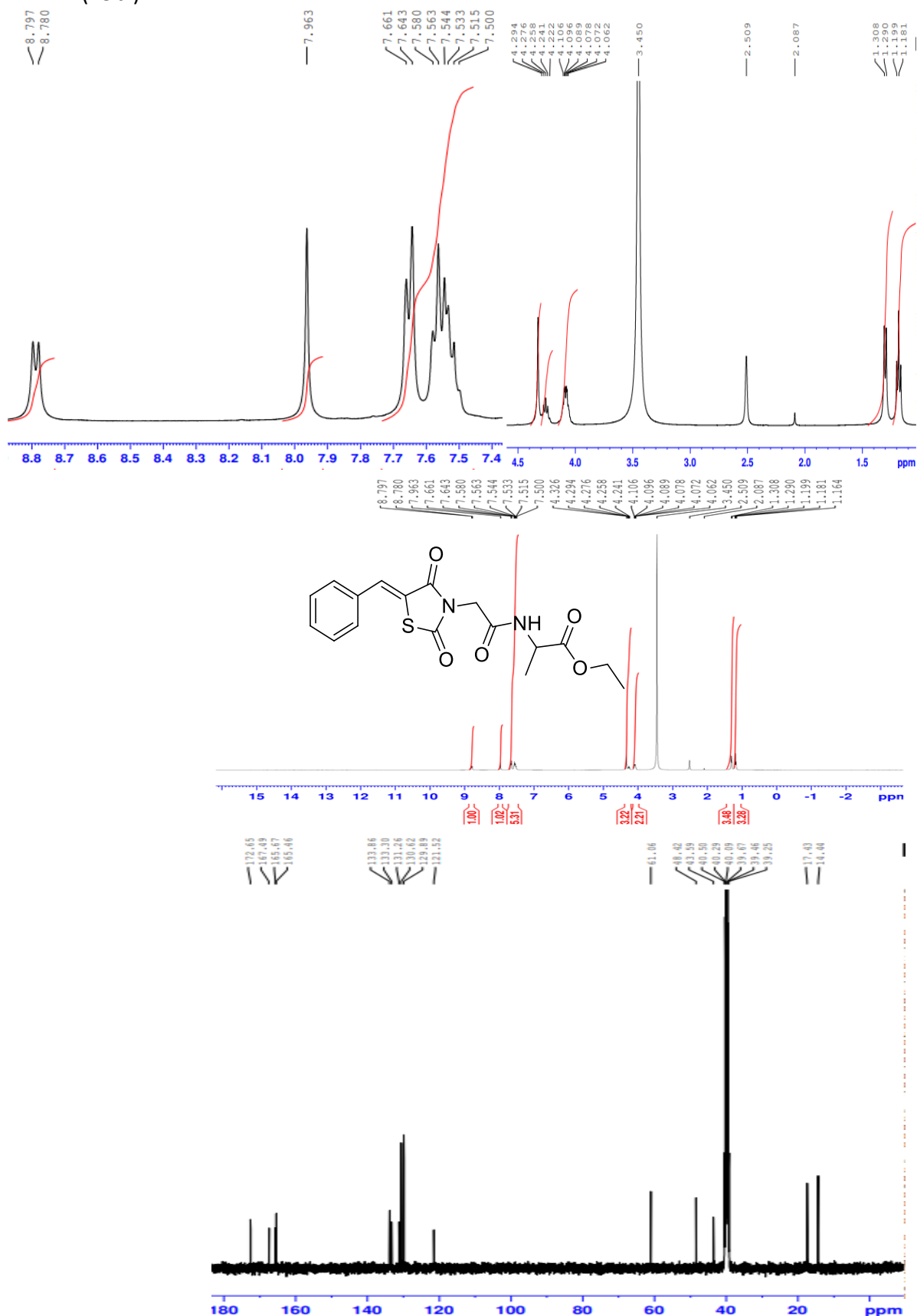
Instrument type and / or accessory

7/20/2020

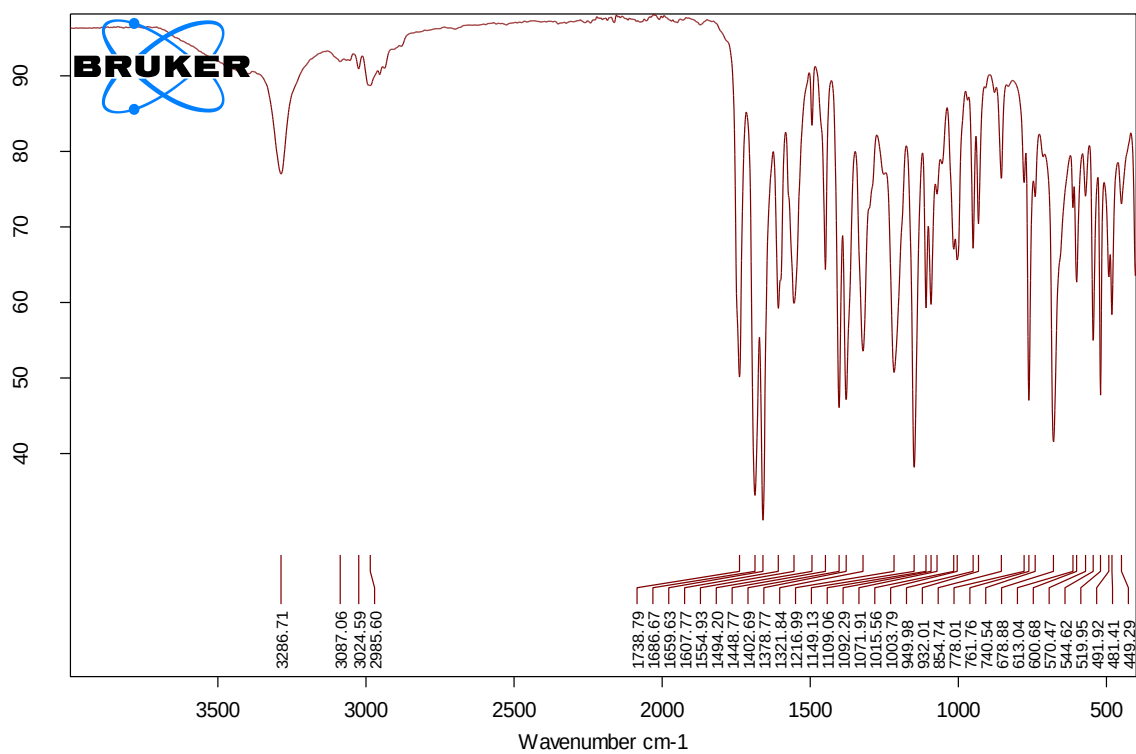
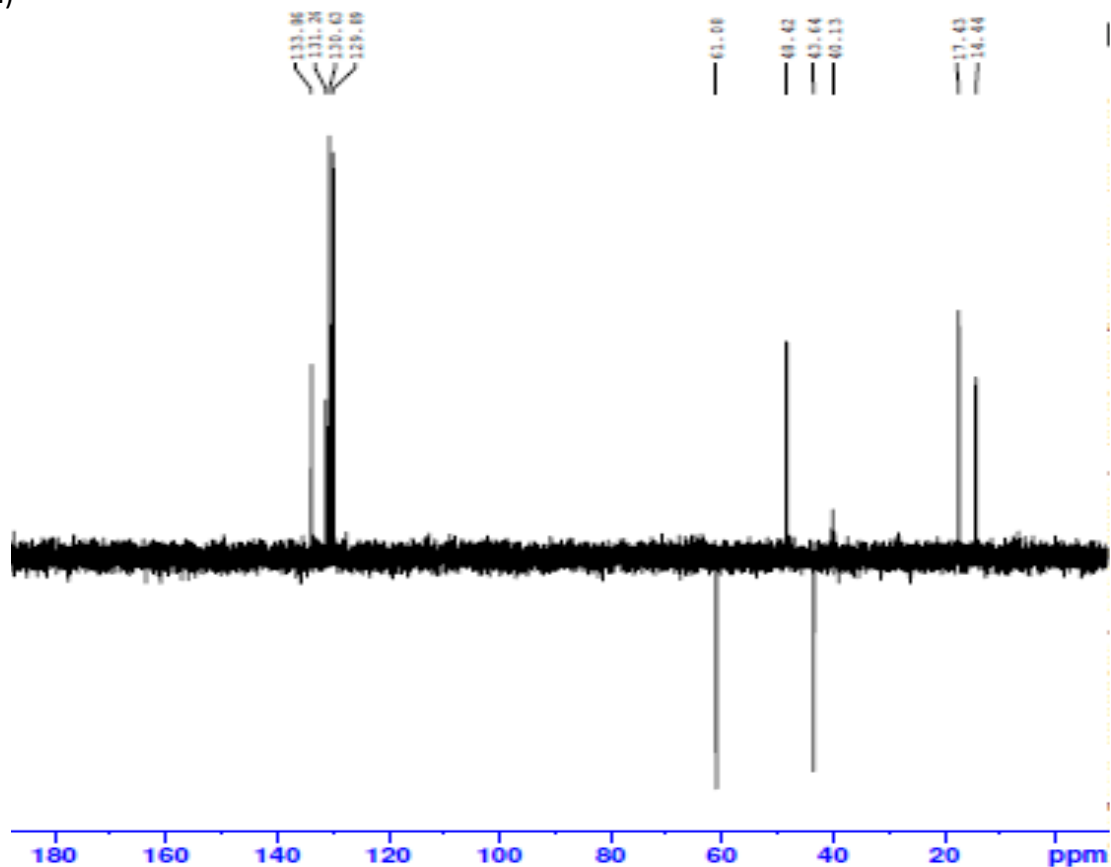
S27. ^1H and ^{13}C NMR spectra of ethyl 2-(2-(5-(4-Fluorobenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido)glycinate (**13avii**)

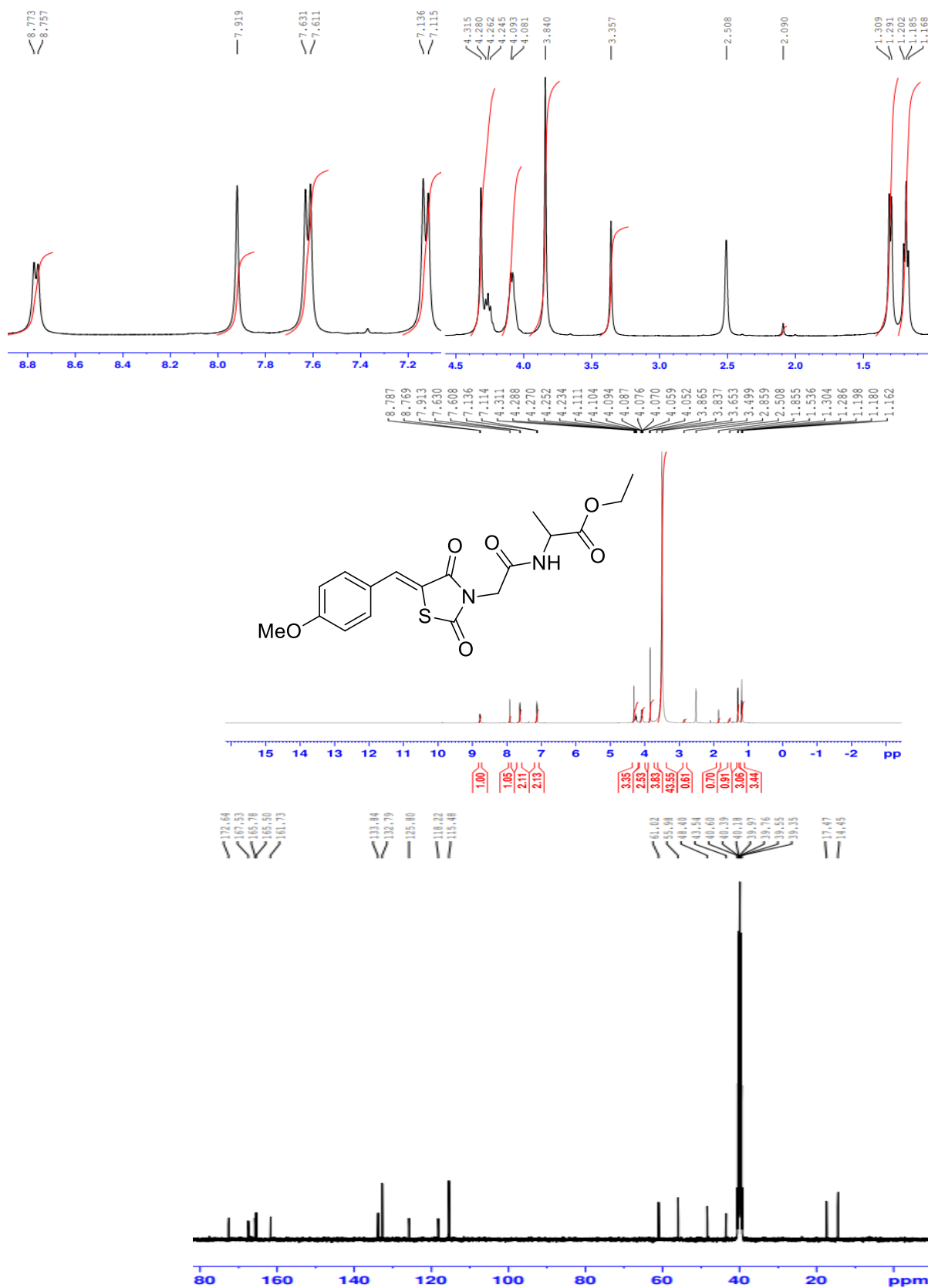
(13avii)



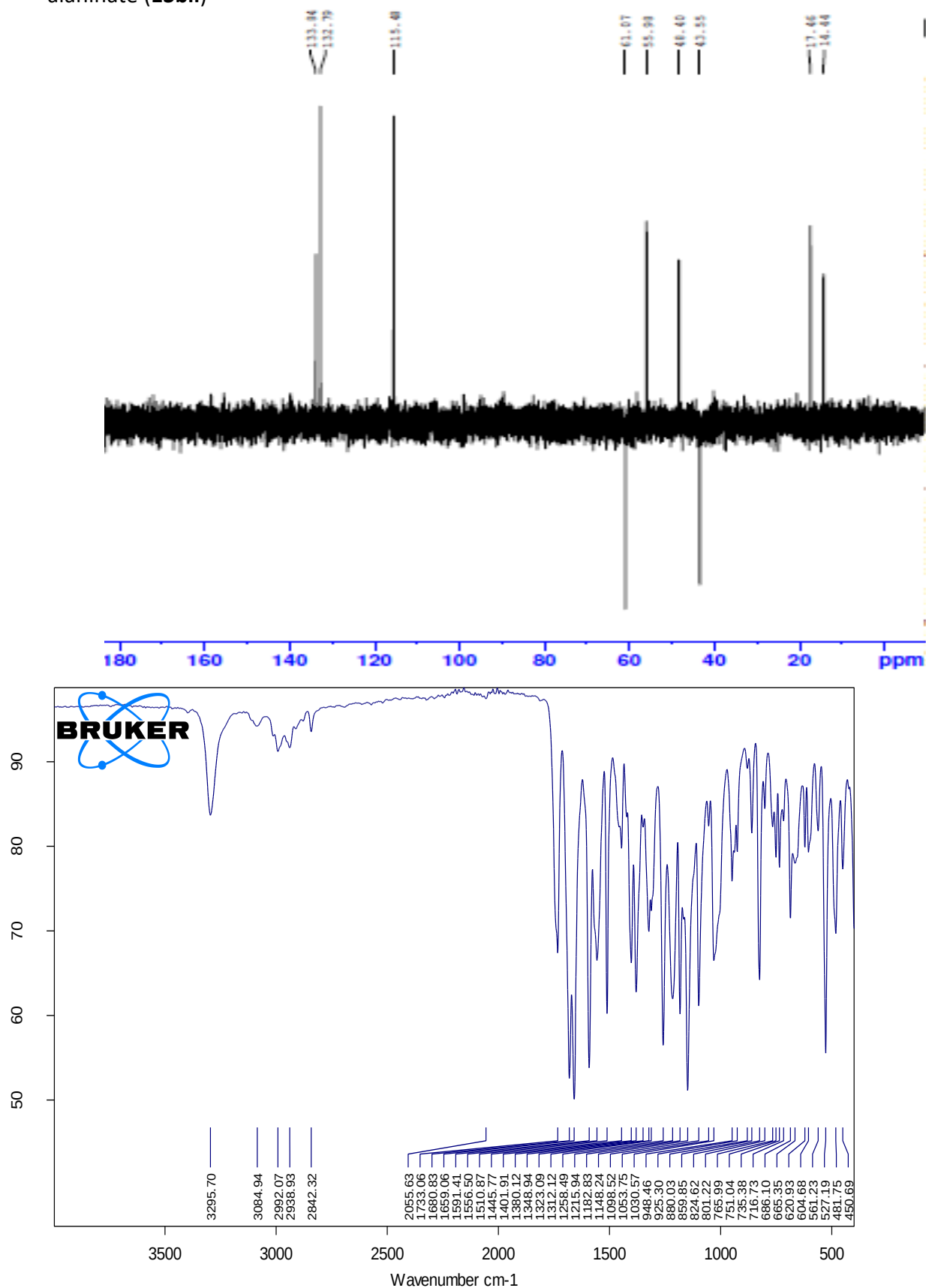
S29. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-benzylidene-2,4-dioxothiazolidin-3-yl) acetamido) alaninate (13bi)

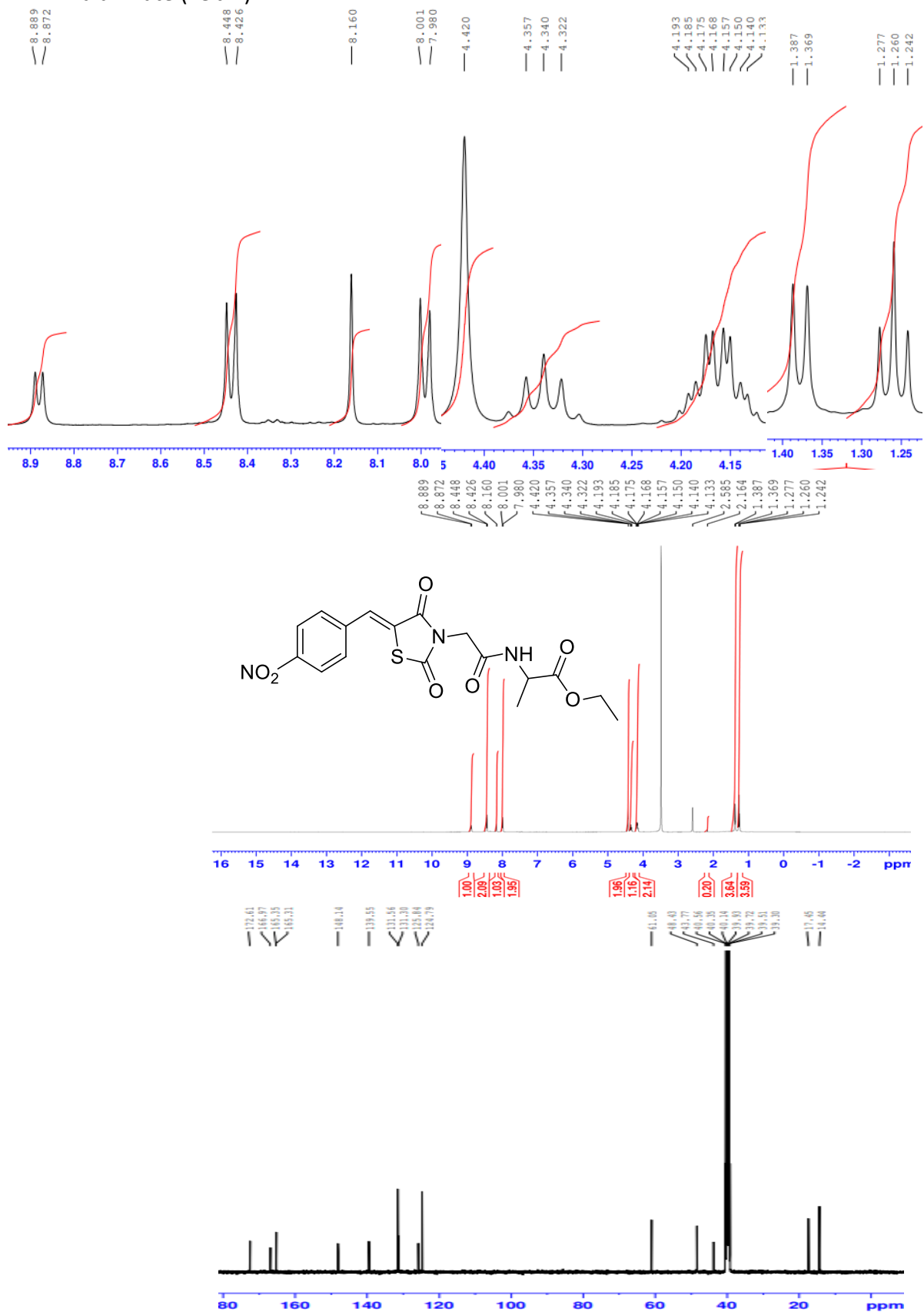
S30. DEPT-135 and IR spectra of Ethyl 2-(2-(5-benzylidene-2,4-dioxothiazolidin-3-yl) acetamido) alaninate (13bi)



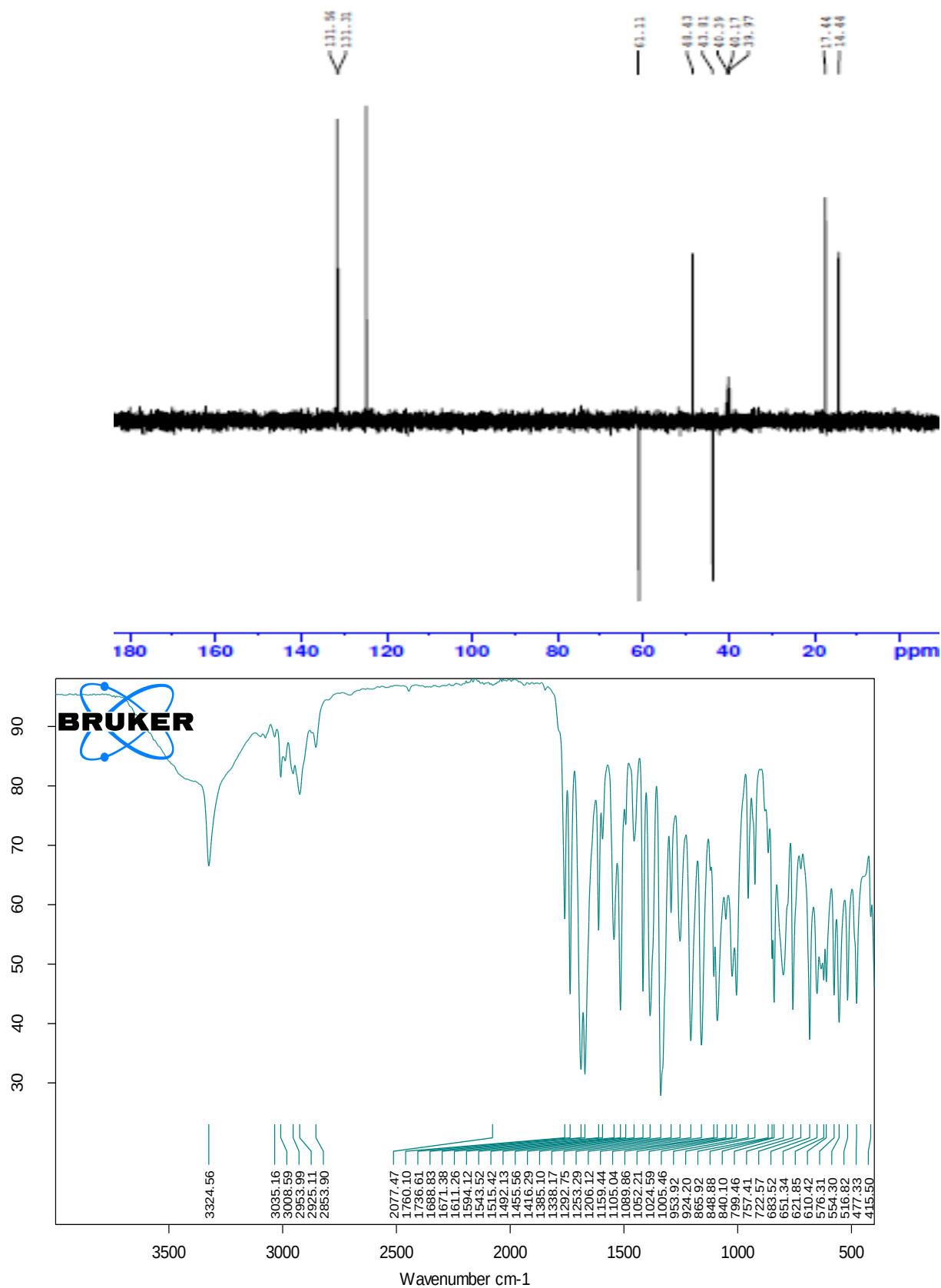
S31. ^1H NMR and ^{13}C Spectra of Ethyl 2-(2-(5-(4-methoxybenzylidene)-2,4-dioxothiazolidin-3-yl) acetamido) alaninate (**13bii**)

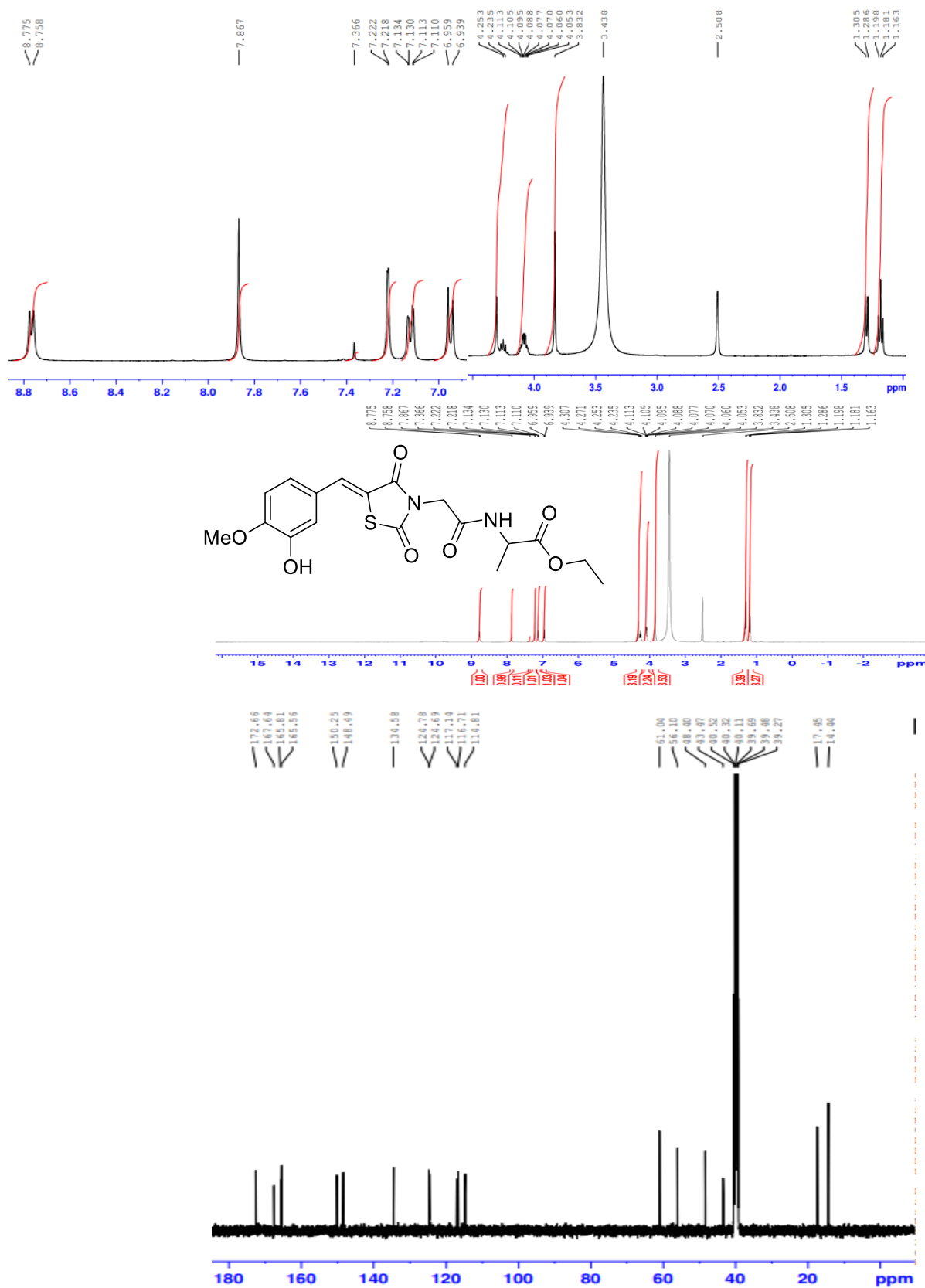
S32. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-methoxybenzylidene)-2,4-dioxothiazolidin-3yl) acetamido) alaninate (**13bii**)



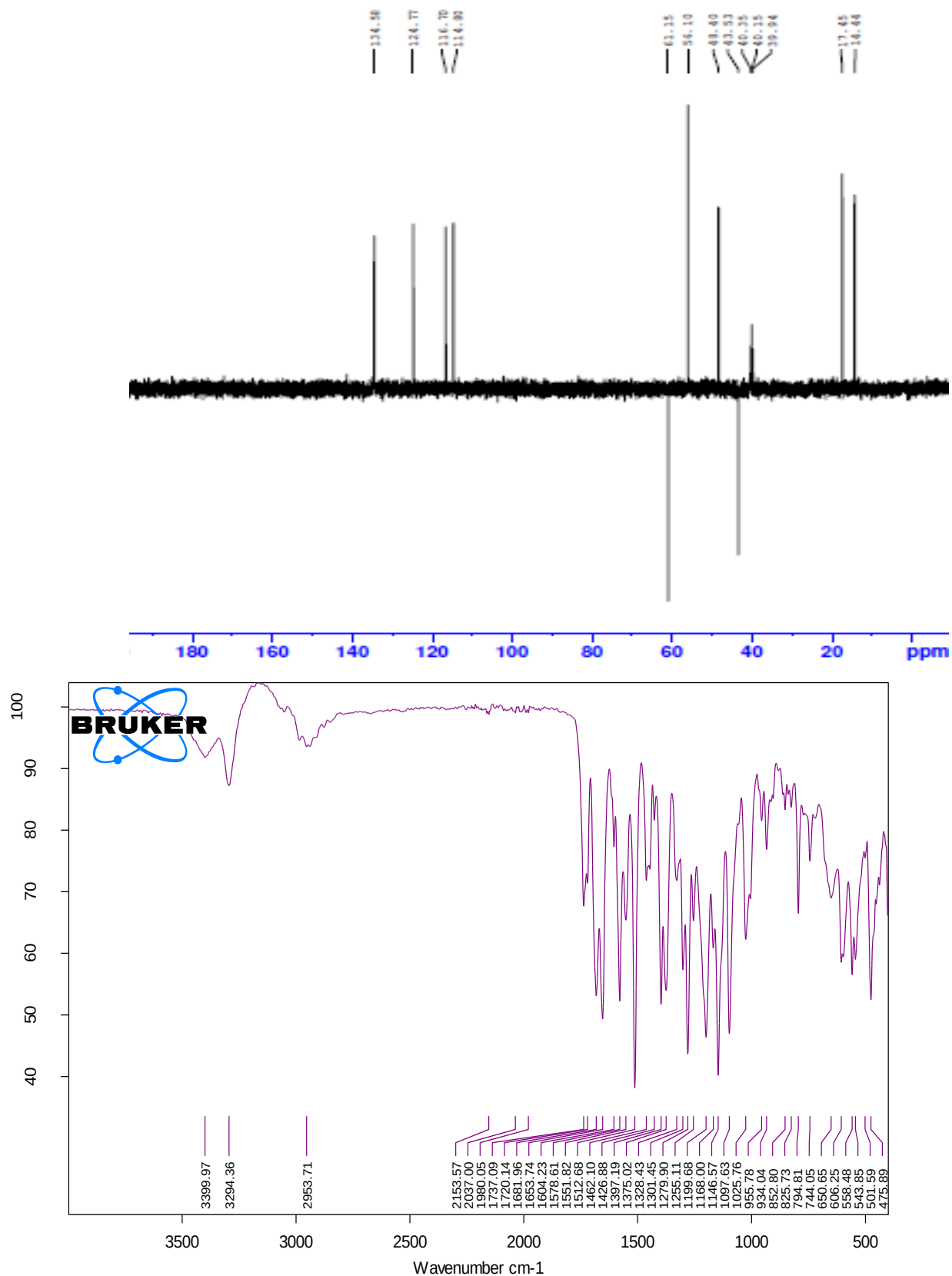
S33. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(4-nitrobenzylidene)-2,4-dioxothiazolidin-3-yl) acetamido) alaninate (**13biii**)

S34. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-nitrobenzylidene)-2,4-dioxothiazolidin-3-yl) acetamido) alaninate (**13biii**)

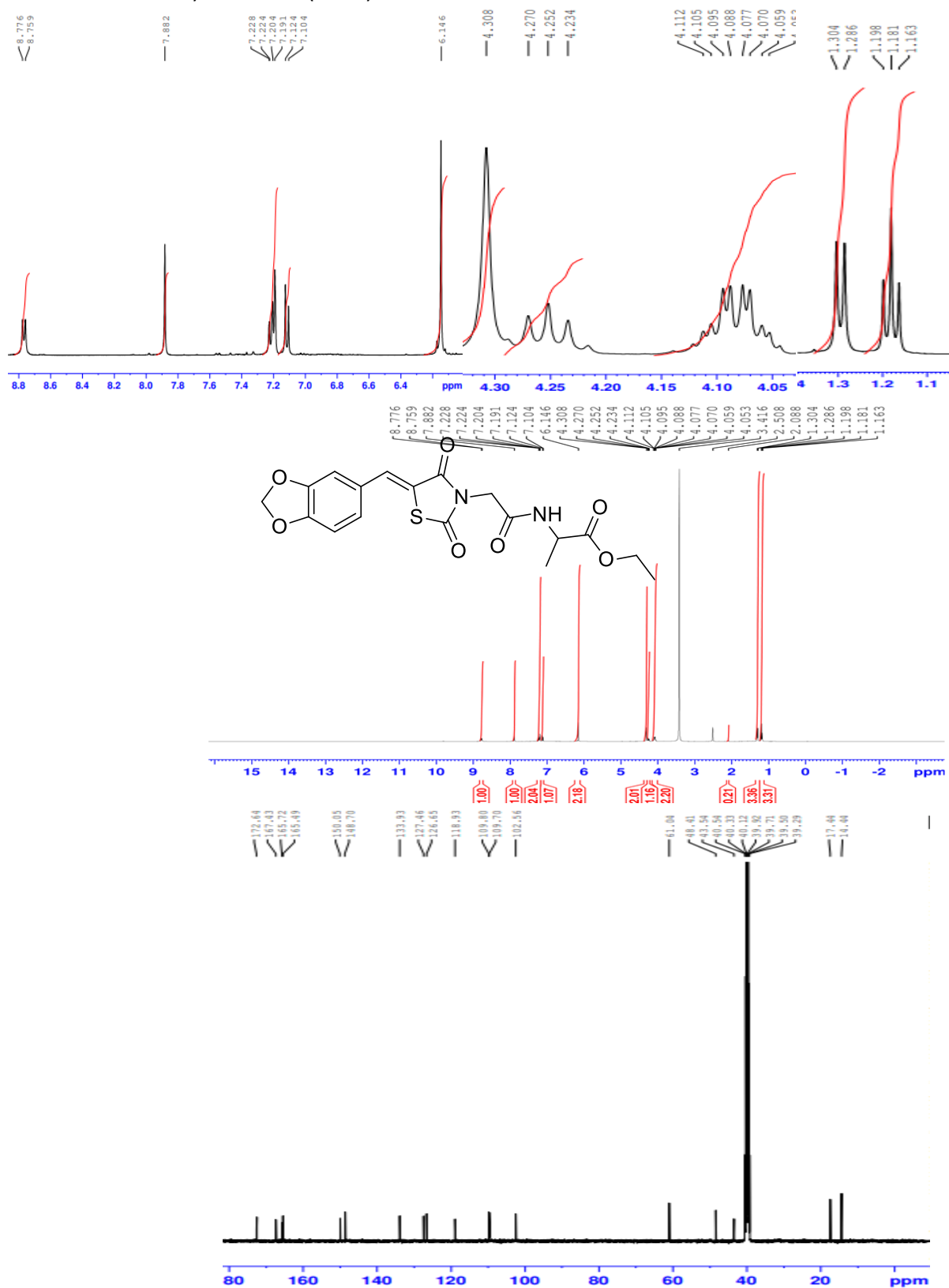


S35. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(3-hydroxy-4-methoxybenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido) alaninate (**13biv**)

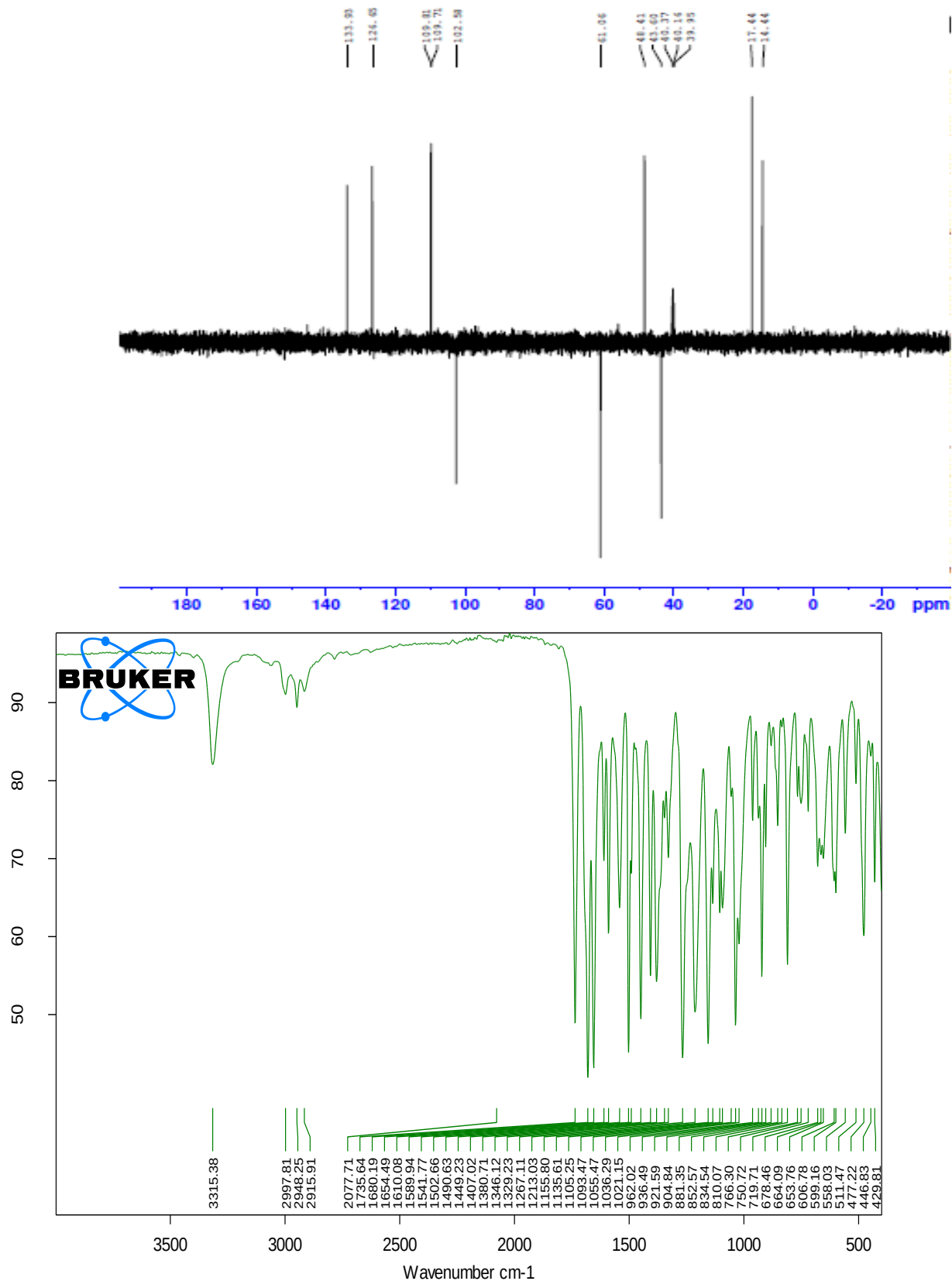
S36. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(3-hydroxy-4-methoxybenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido) alaninate (**13biv**)



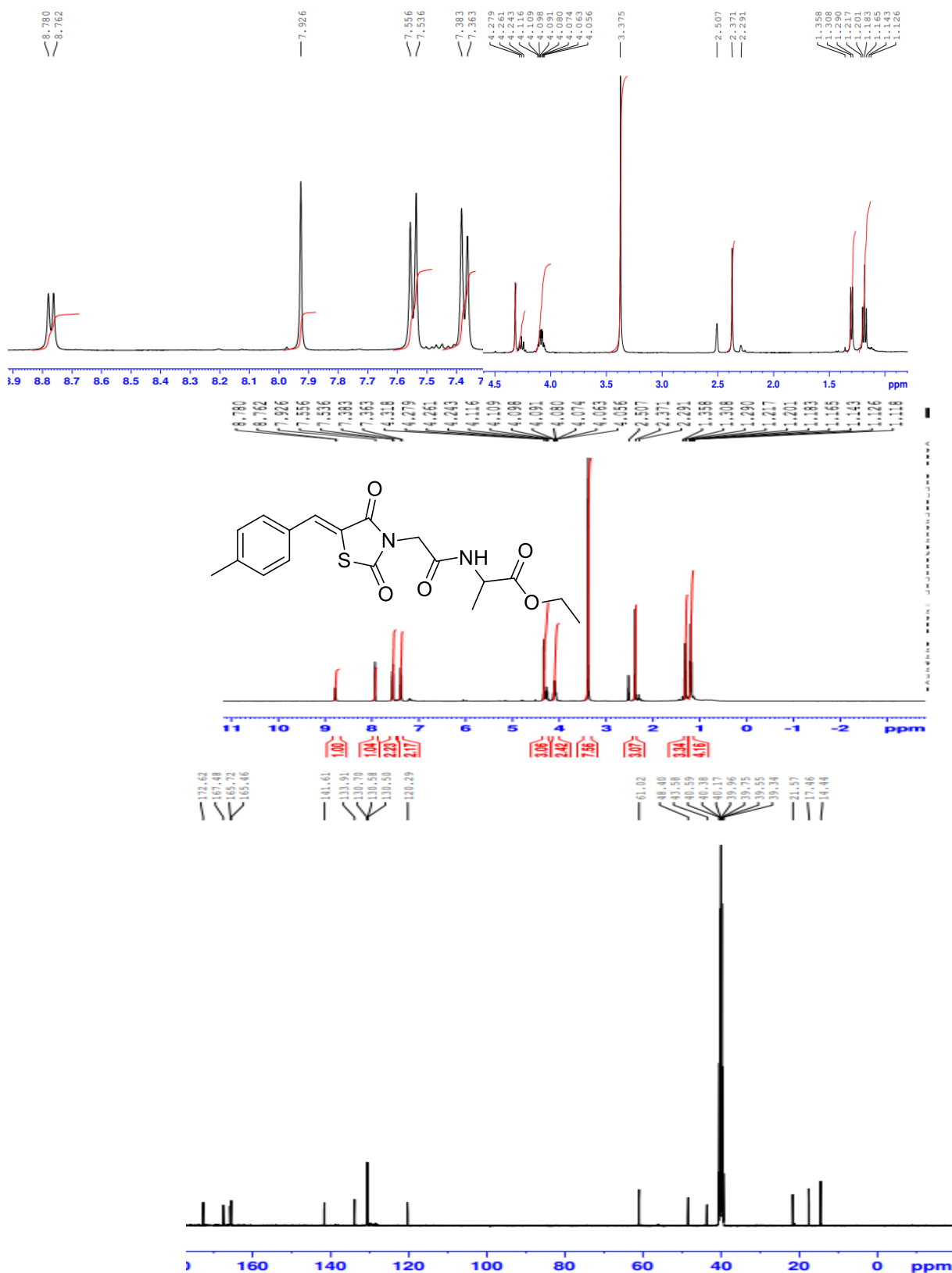
S37. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(benzo[d][1,3] dioxol-5-ylmethylene)-2,4-dioxothiazolidin-3-yl)acetamido) alaninate (**13bv**)



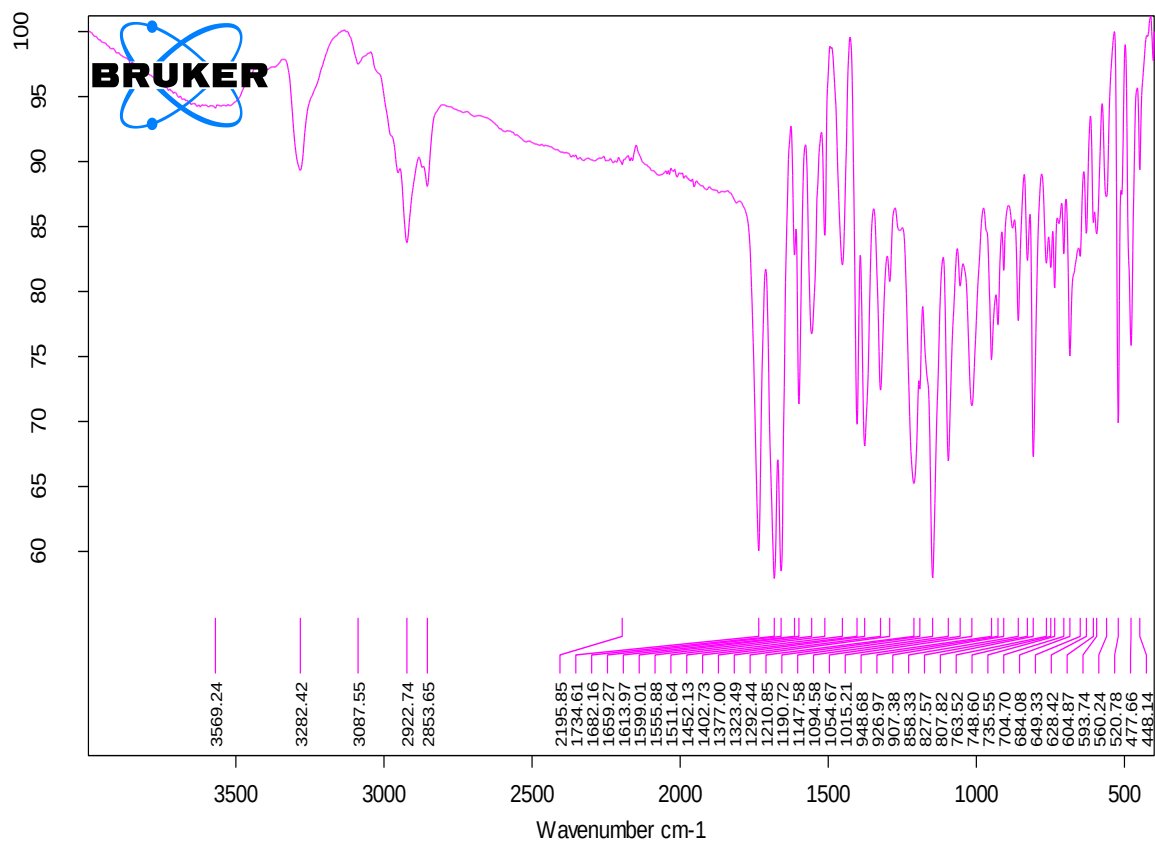
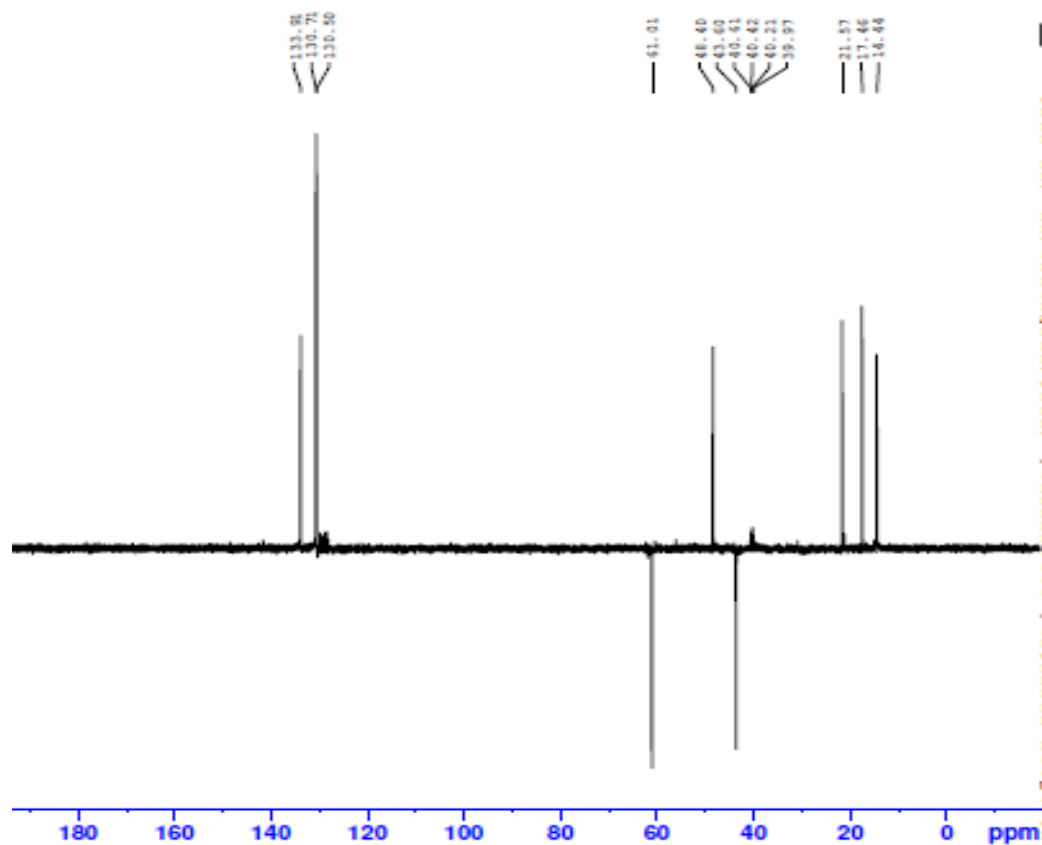
S38. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(benzo[d][1,3] dioxol-5-yl)methylene)-2,4-dioxothiazolidin-3-yl) acetamido alaninate (**13bv**)

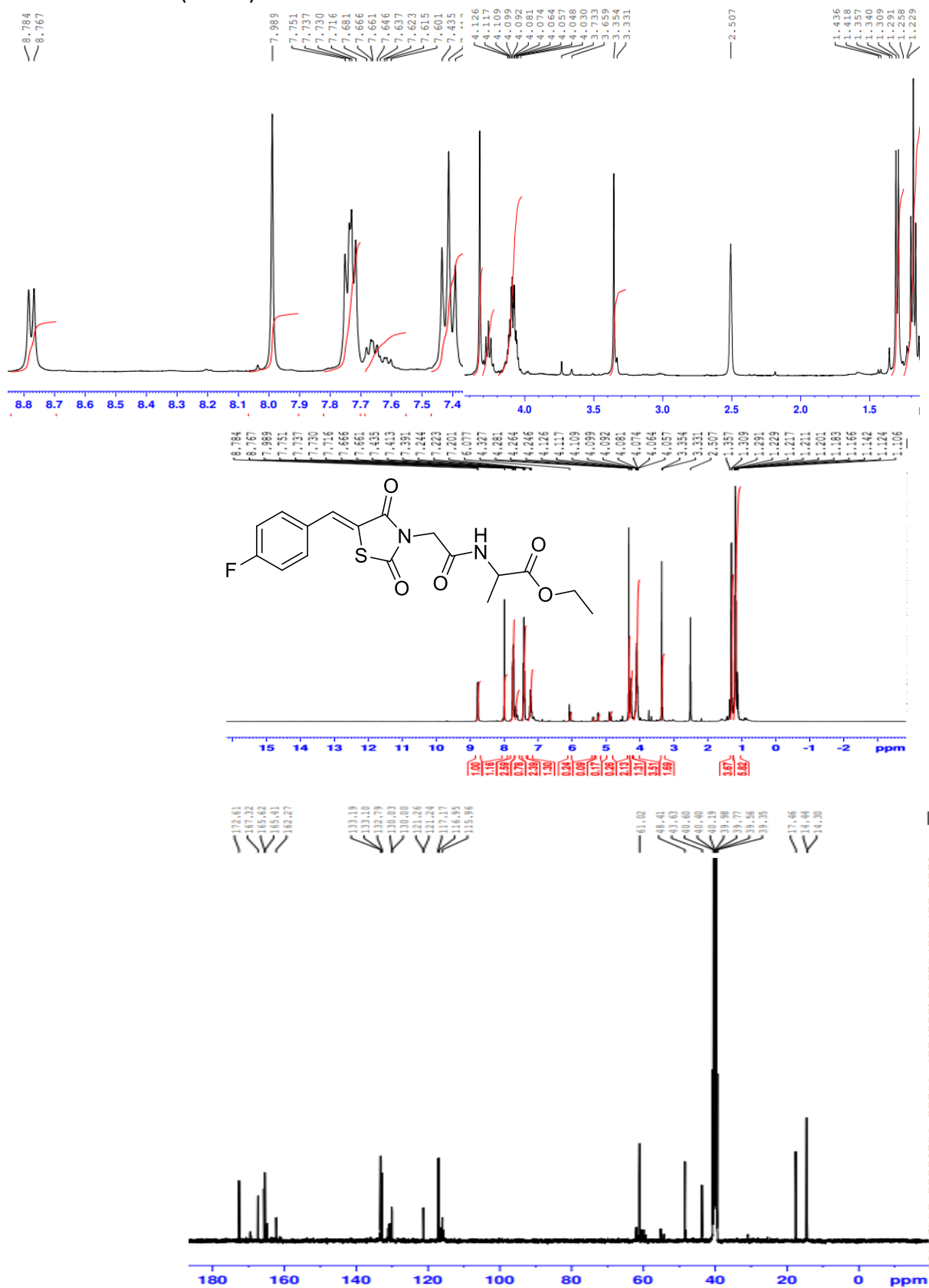


S39. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(4-methylbenzylidene)-2,4dioxothiazolidin-3-yl) acetamido) alaninate (**13bvi**)

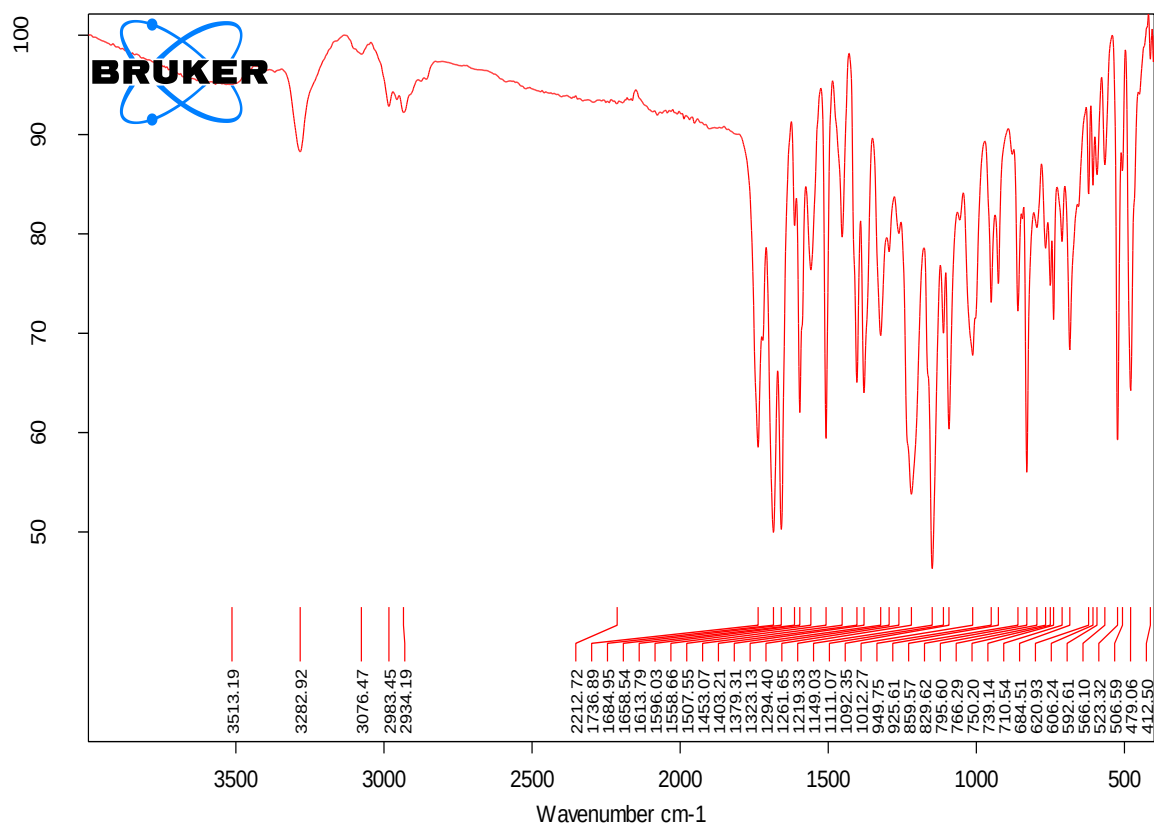
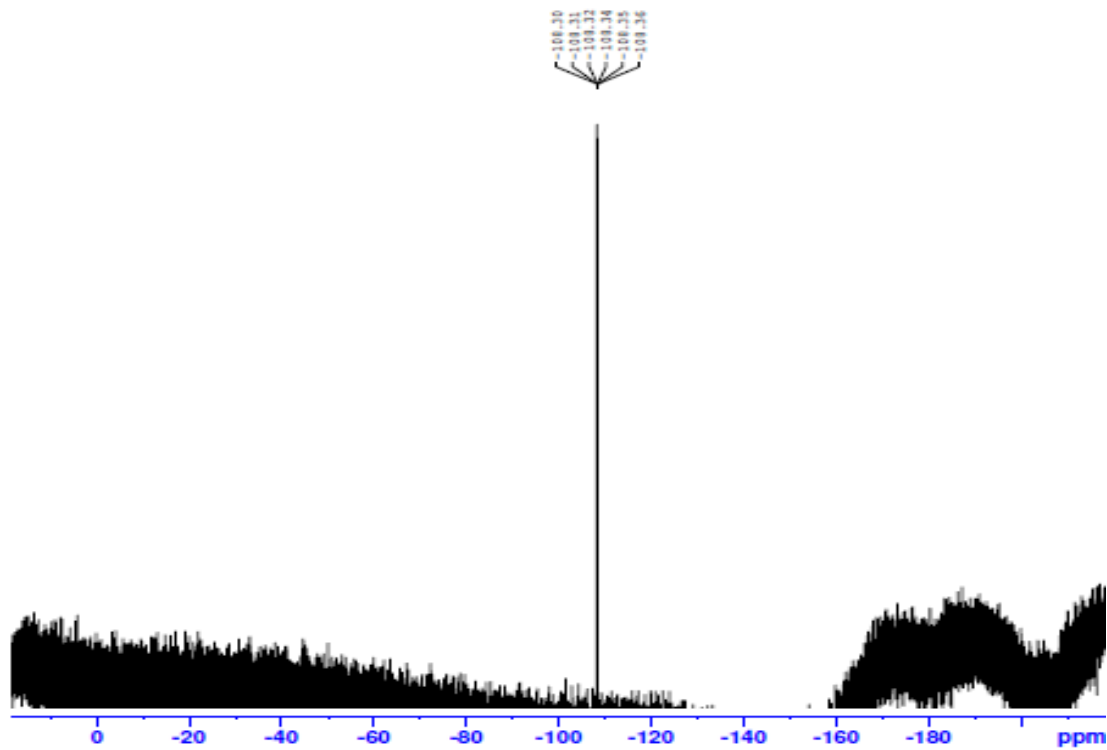


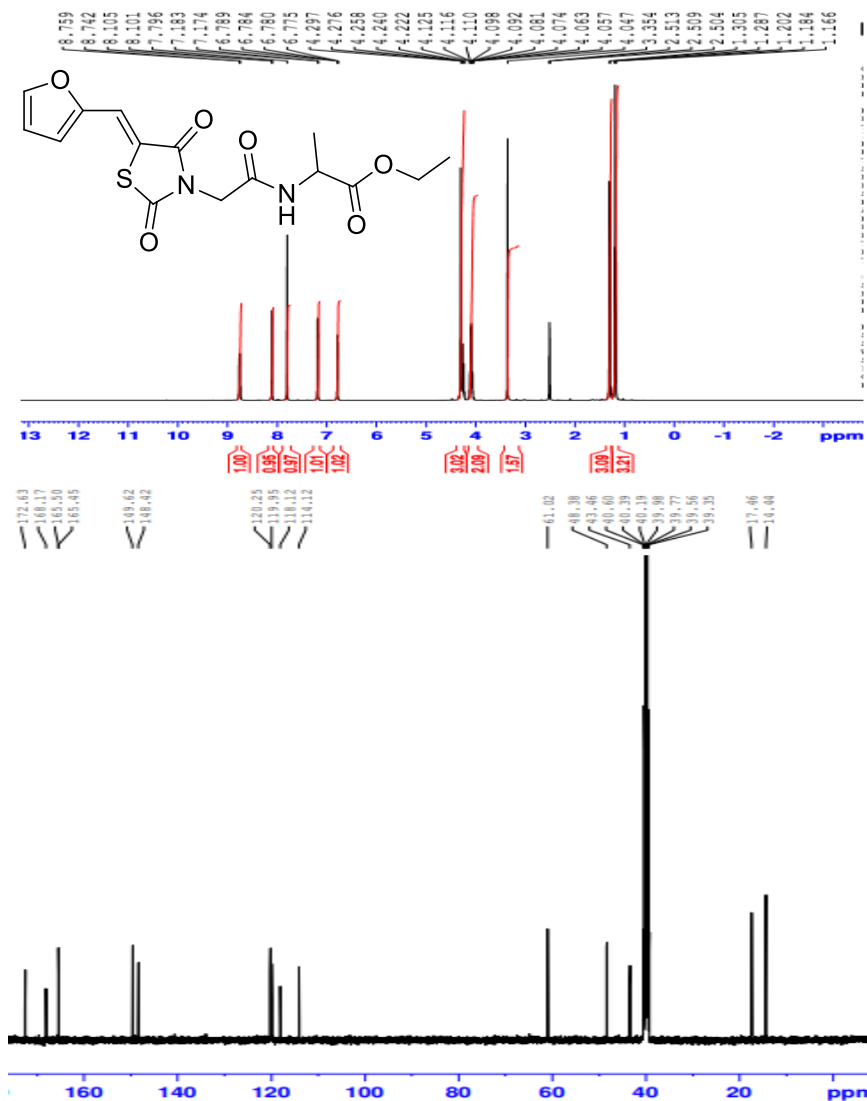
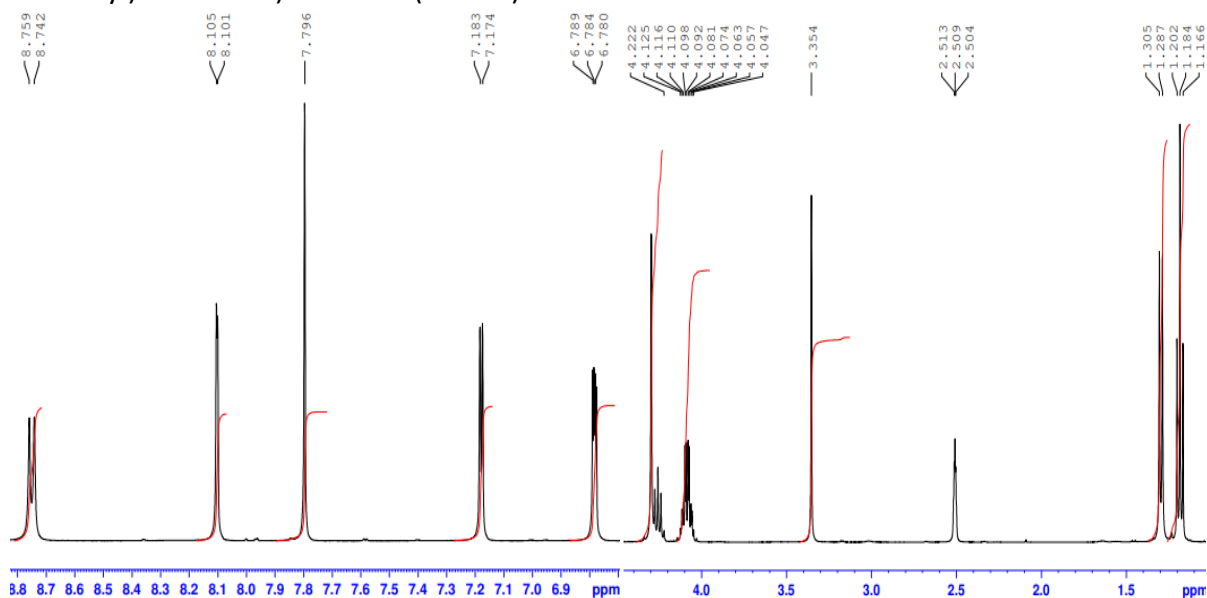
S40. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-methylbenzylidene)-2,4dioxothiazolidin-3-yl) acetamido) alaninate (**13bvi**)



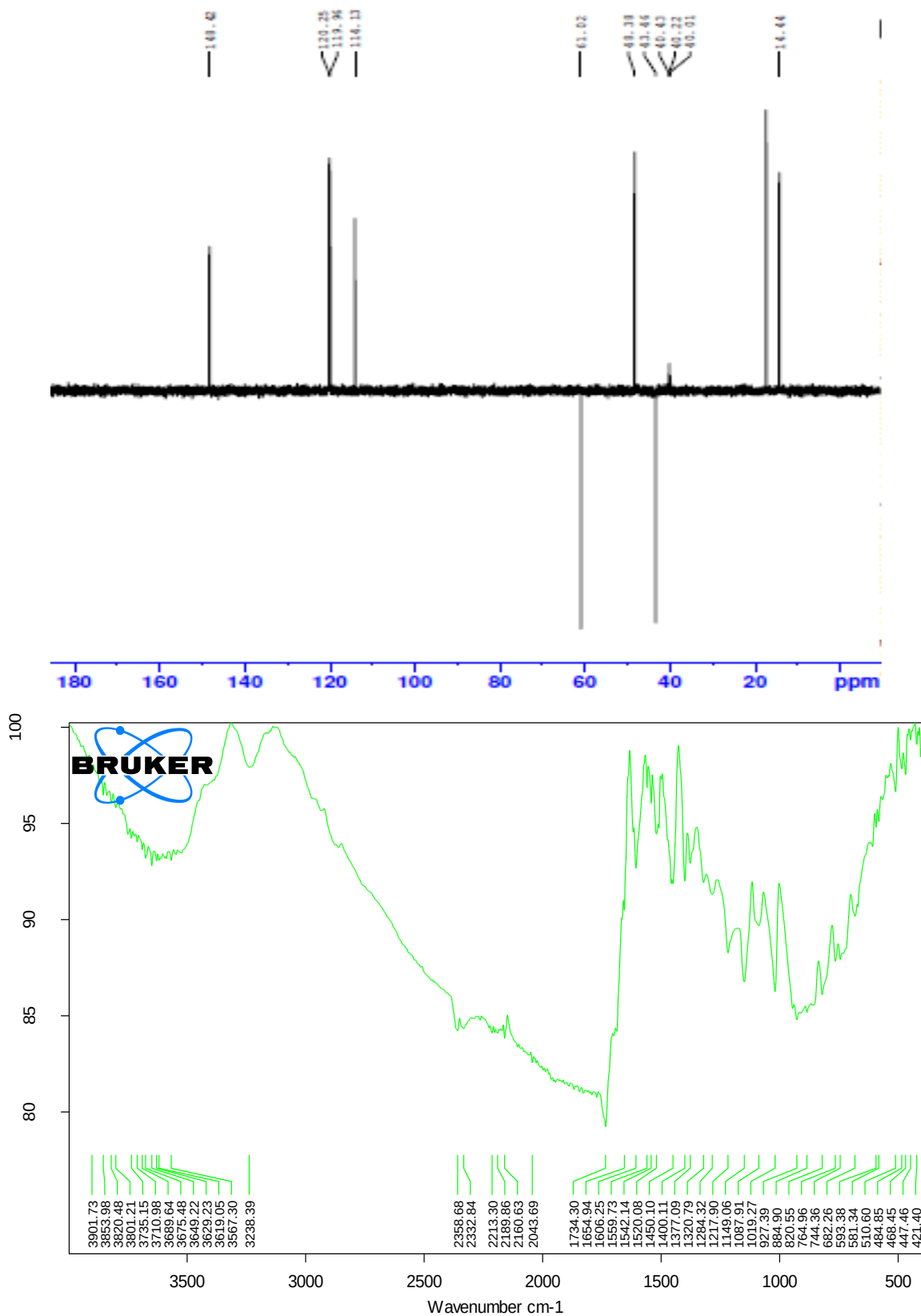
S41. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(4-fluorobenzylidene)-2,4-dioxothiazolidin-3-yl) acetamido) alaninate (**13bvii**)

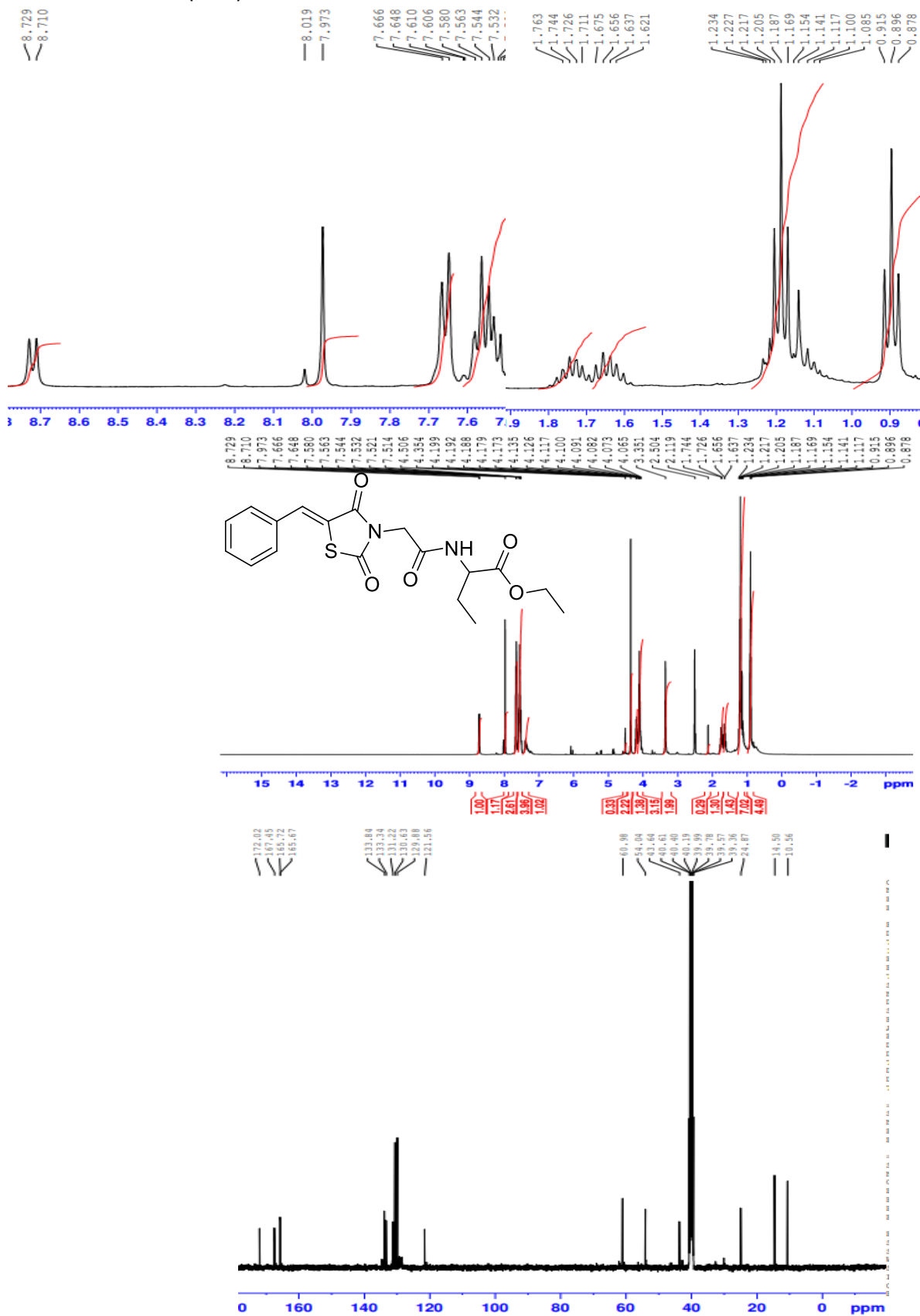
S42. ^{19}F and IR spectra of Ethyl 2-(2-(5-(4-fluorobenzylidene)-2,4-dioxothiazolidin-3-yl) acetamido) alaninate (**13bvii**)



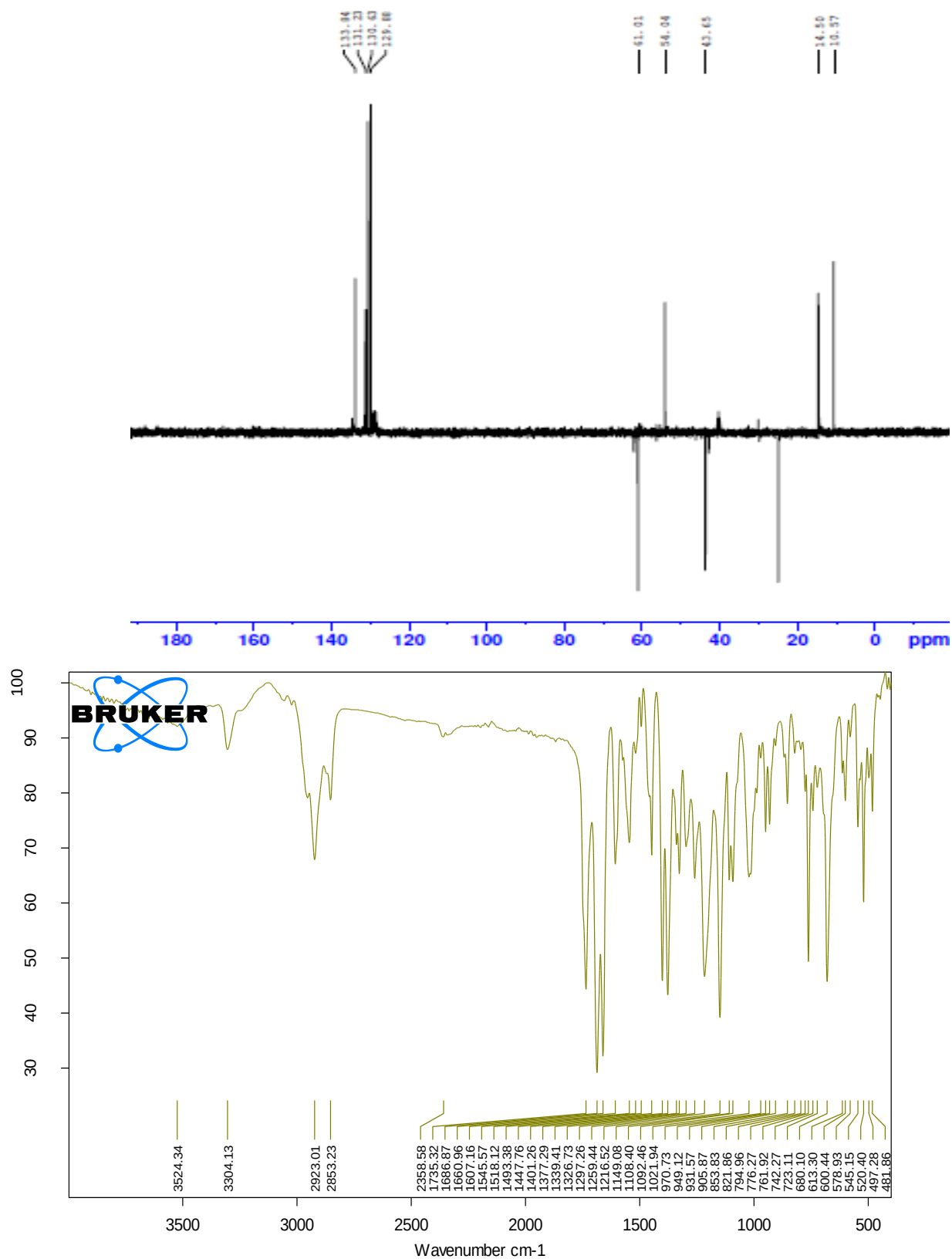
S43. ^1H and ^{13}C NMR spectra Ethyl 2-(2-(5-(furan-2-ylmethylene)-2,4-dioxothiazolidin-3-yl)acetamido)alaninate (**13bviii**)

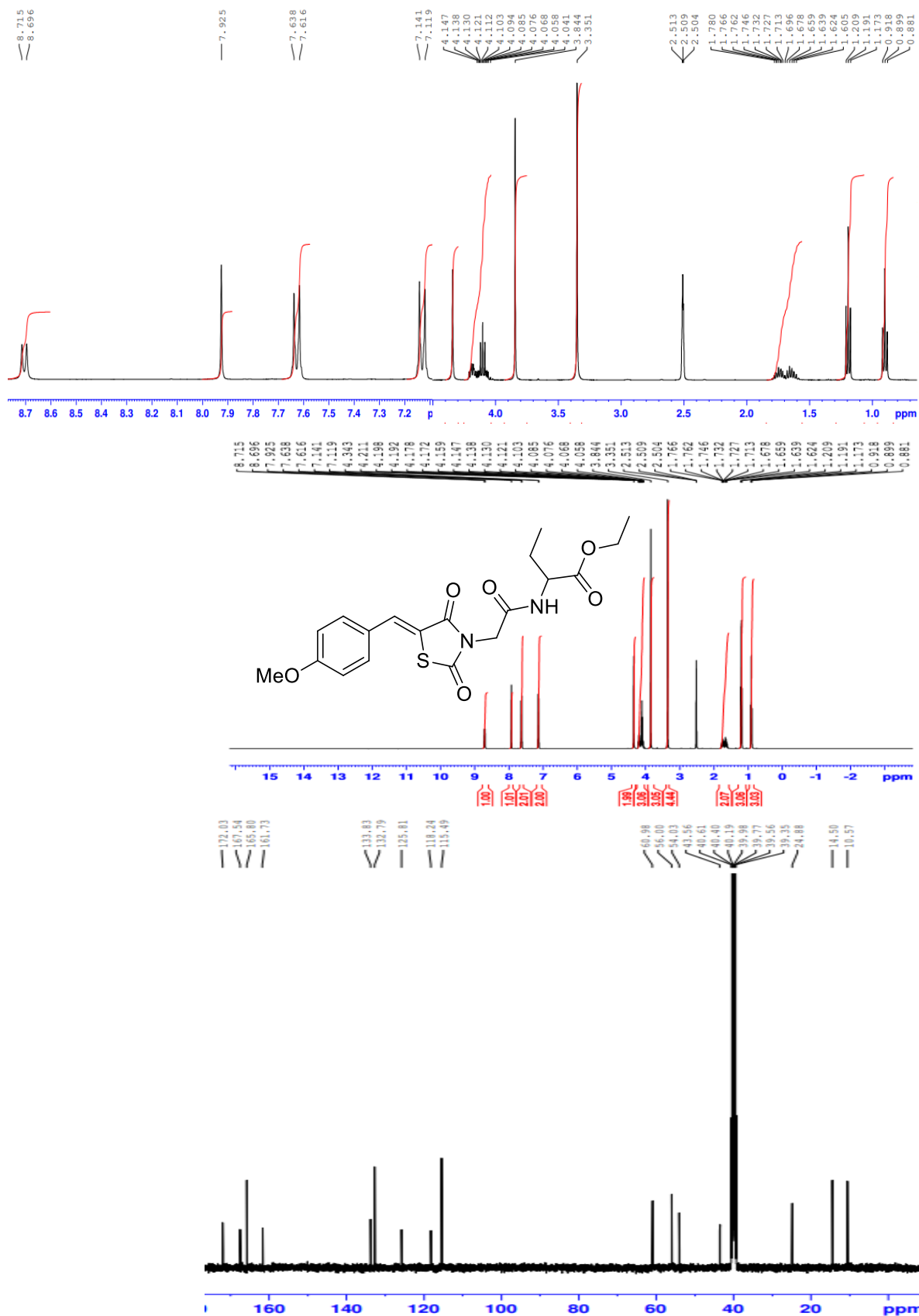
S44. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(furan-2-ylmethylene)-2,4-dioxothiazolidin-3-yl)acetamido)alaninate (**13bviii**)



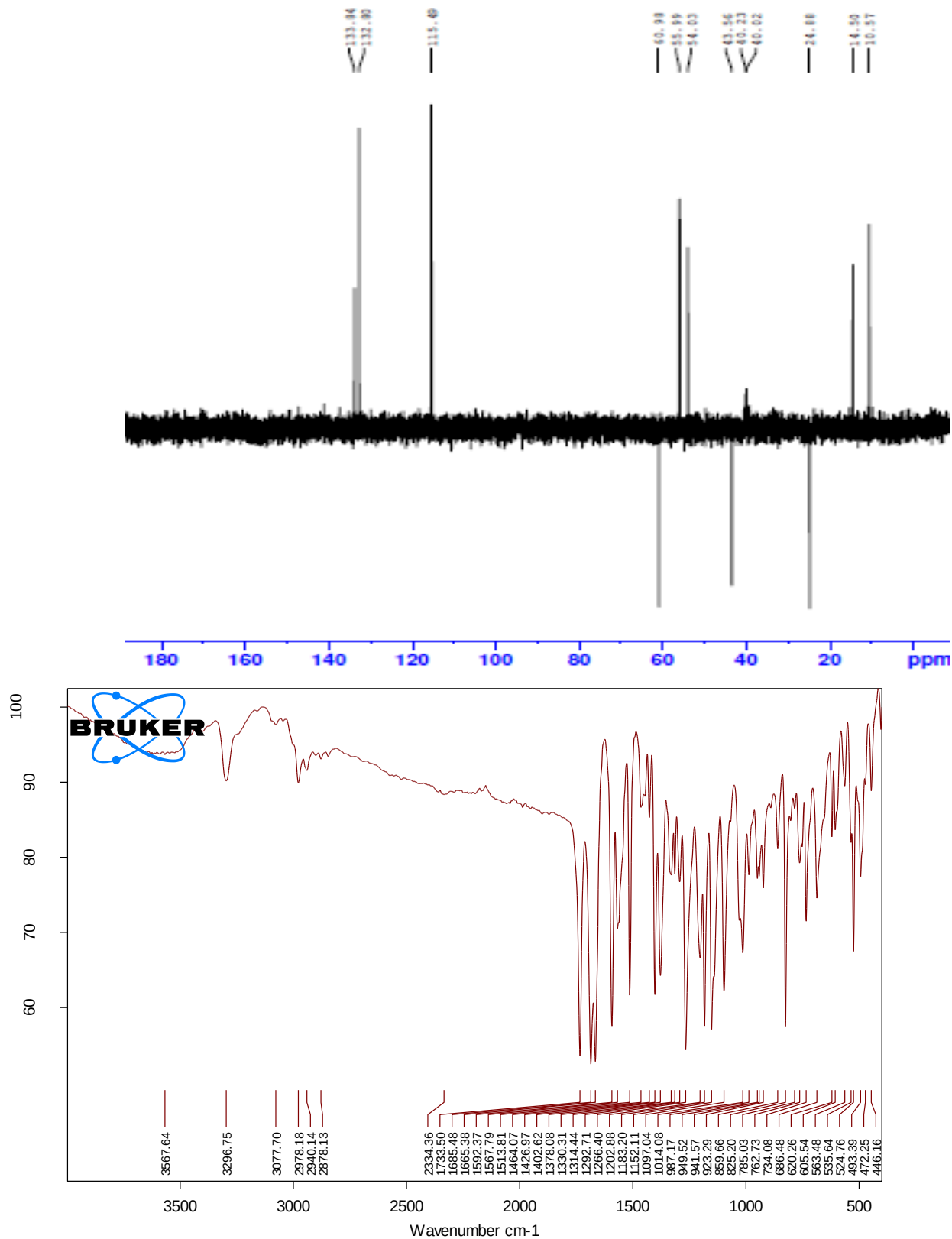
S45. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-benzylidene-2,4-dioxothiazolidin-3-yl) acetamido) butanoate(**13ci**)

S46. DEPT-135 and IR spectra of Ethyl 2-(2-(5-benzylidene-2,4-dioxothiazolidin-3-yl) acetamido) butanoate(**13ci**)

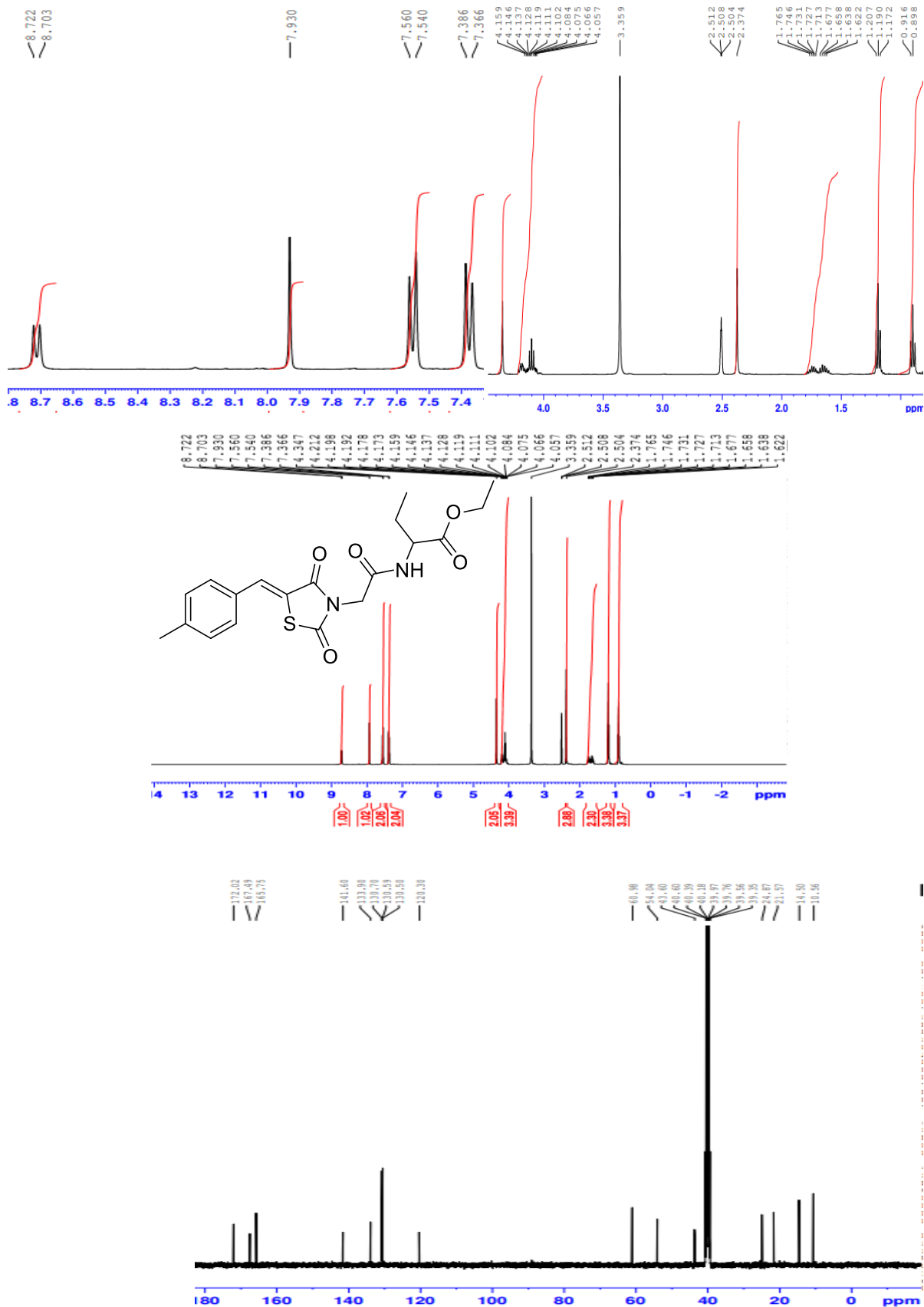


S47. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(4-methoxybenzylidene)-2,4-dioxothiazolidin-3-yl) acetamido) butanoate(**13cii**)

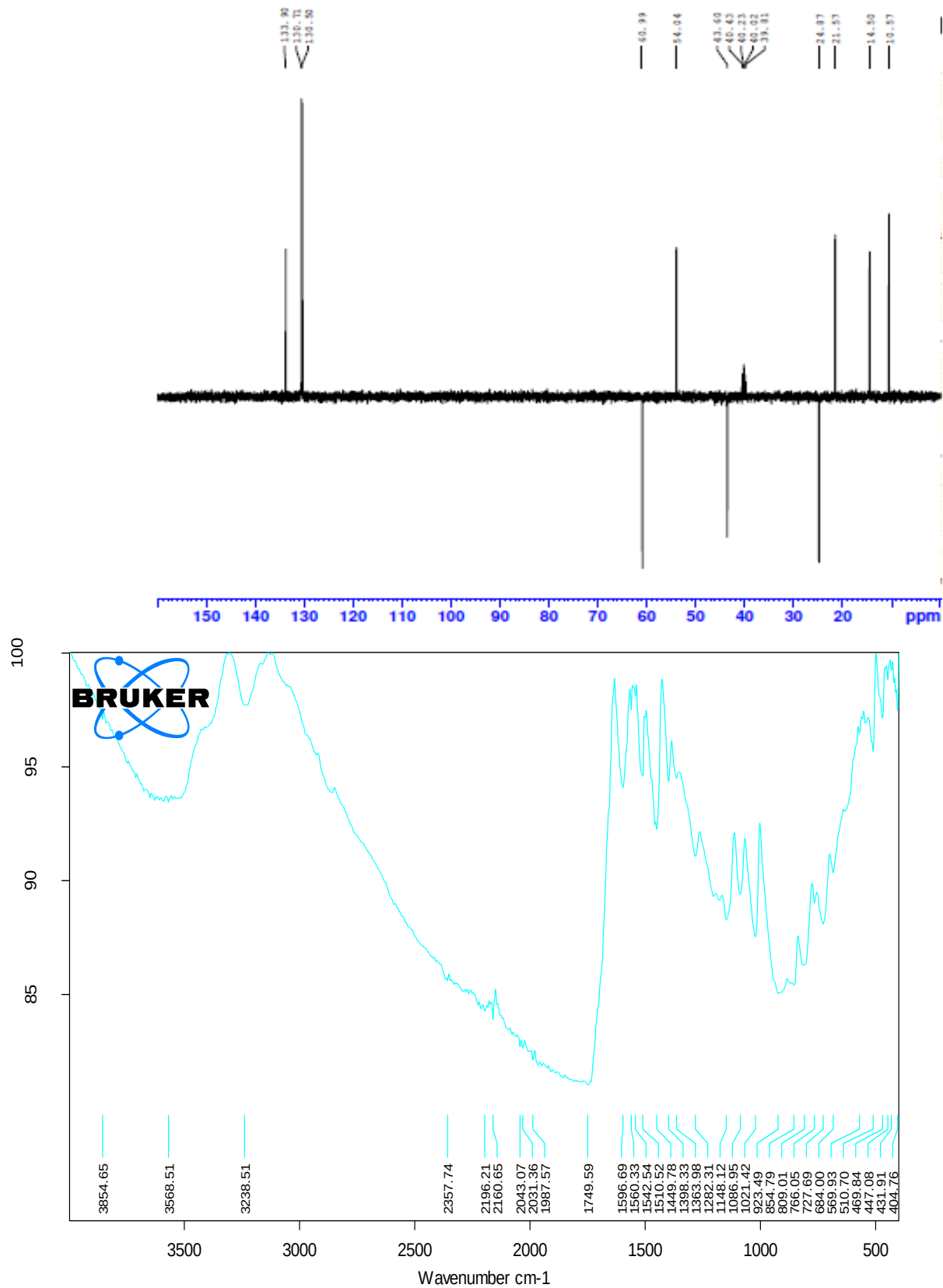
S48. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-methoxybenzylidene)-2,4-dioxothiazolidin-3-yl) acetamido) butanoate(**13cii**)

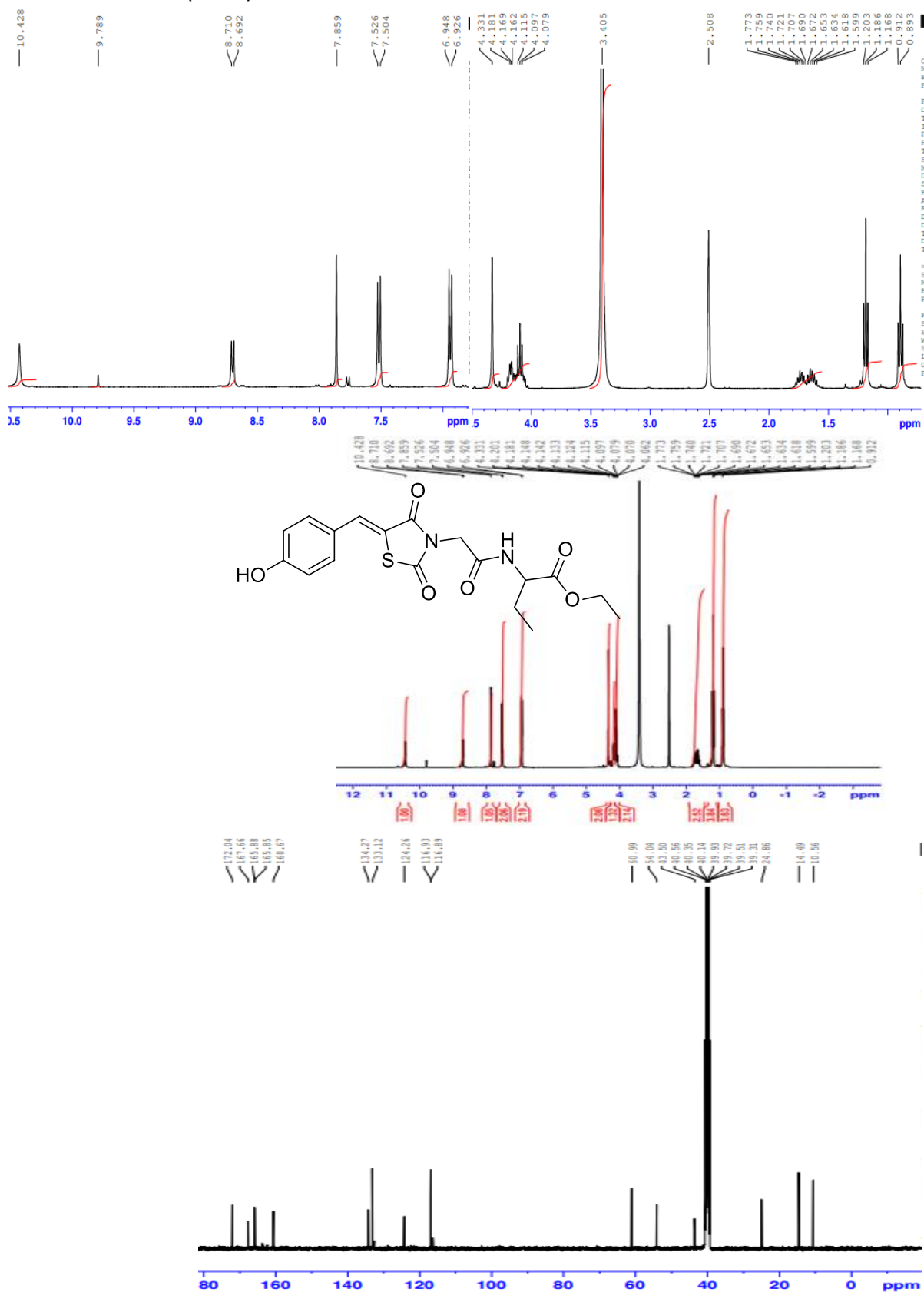


S49. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(4-methylbenzylidene)-2,4dioxothiazolidin-3-yl) acetamido) butanoate(**13ciii**)

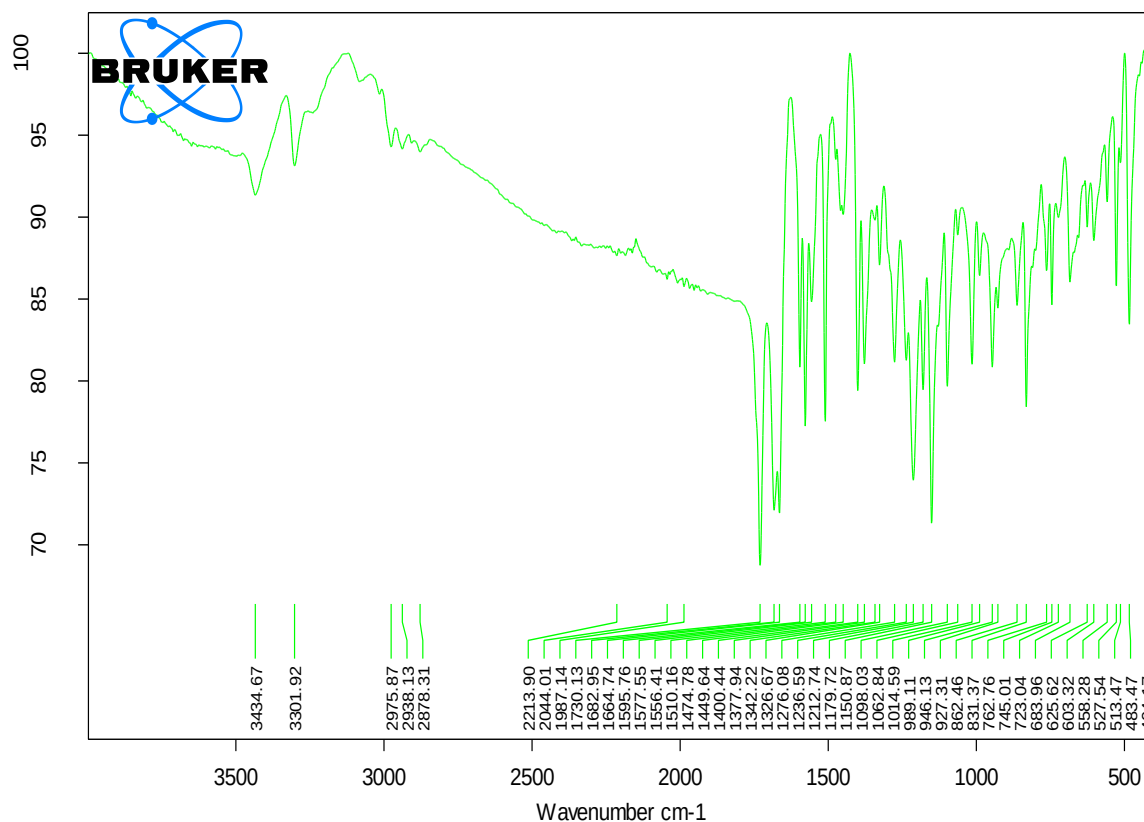
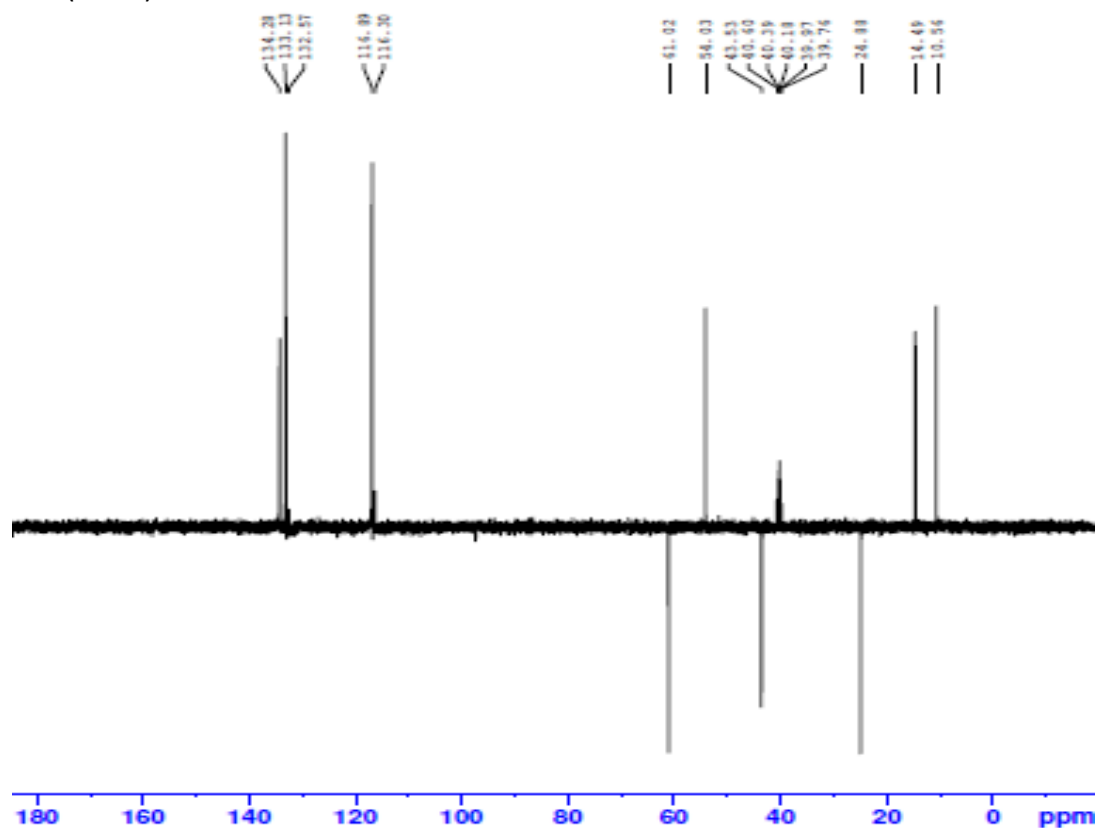


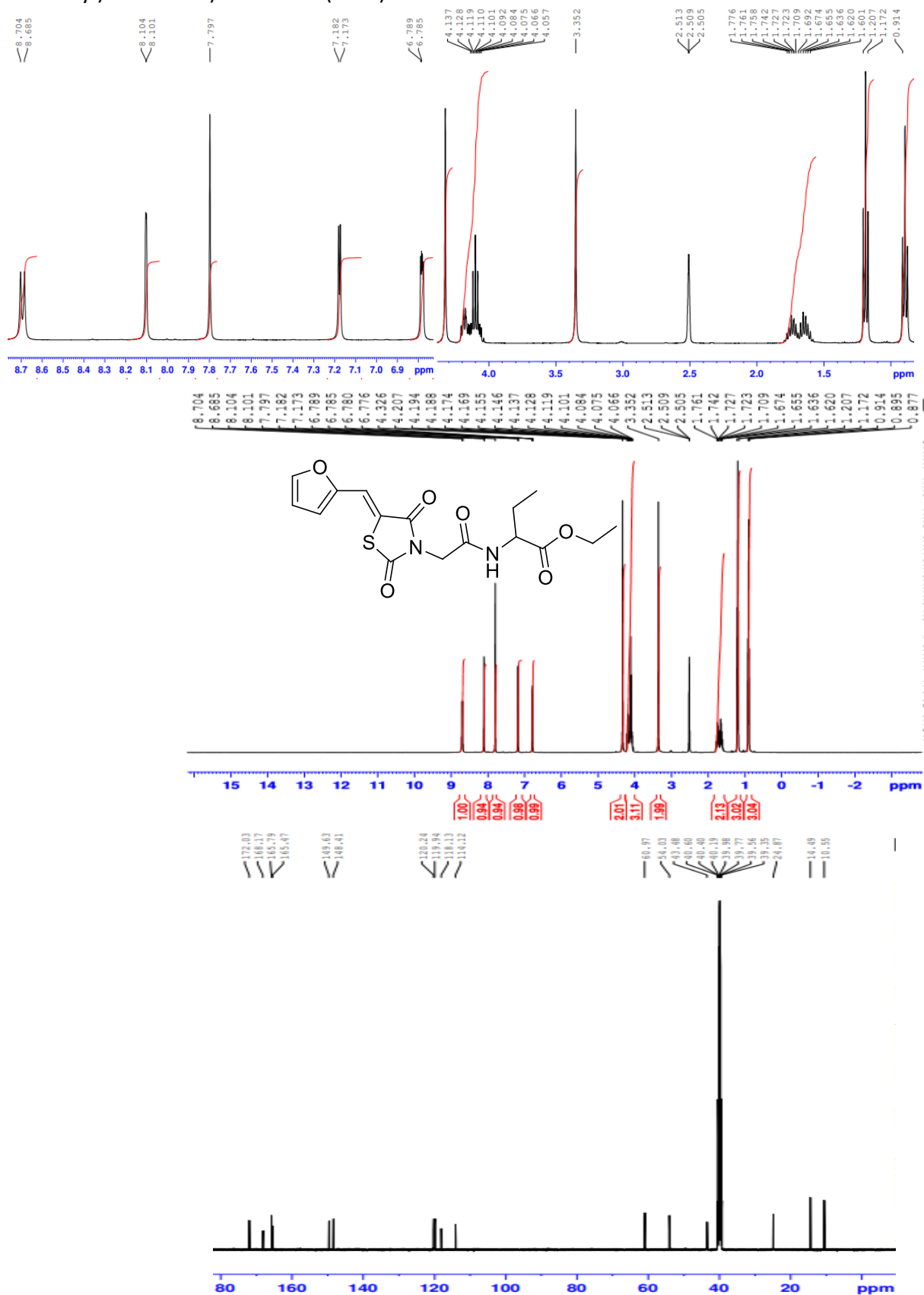
S50. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-methylbenzylidene)-2,4dioxothiazolidin-3-yl) acetamido) butanoate(**13ciii**)



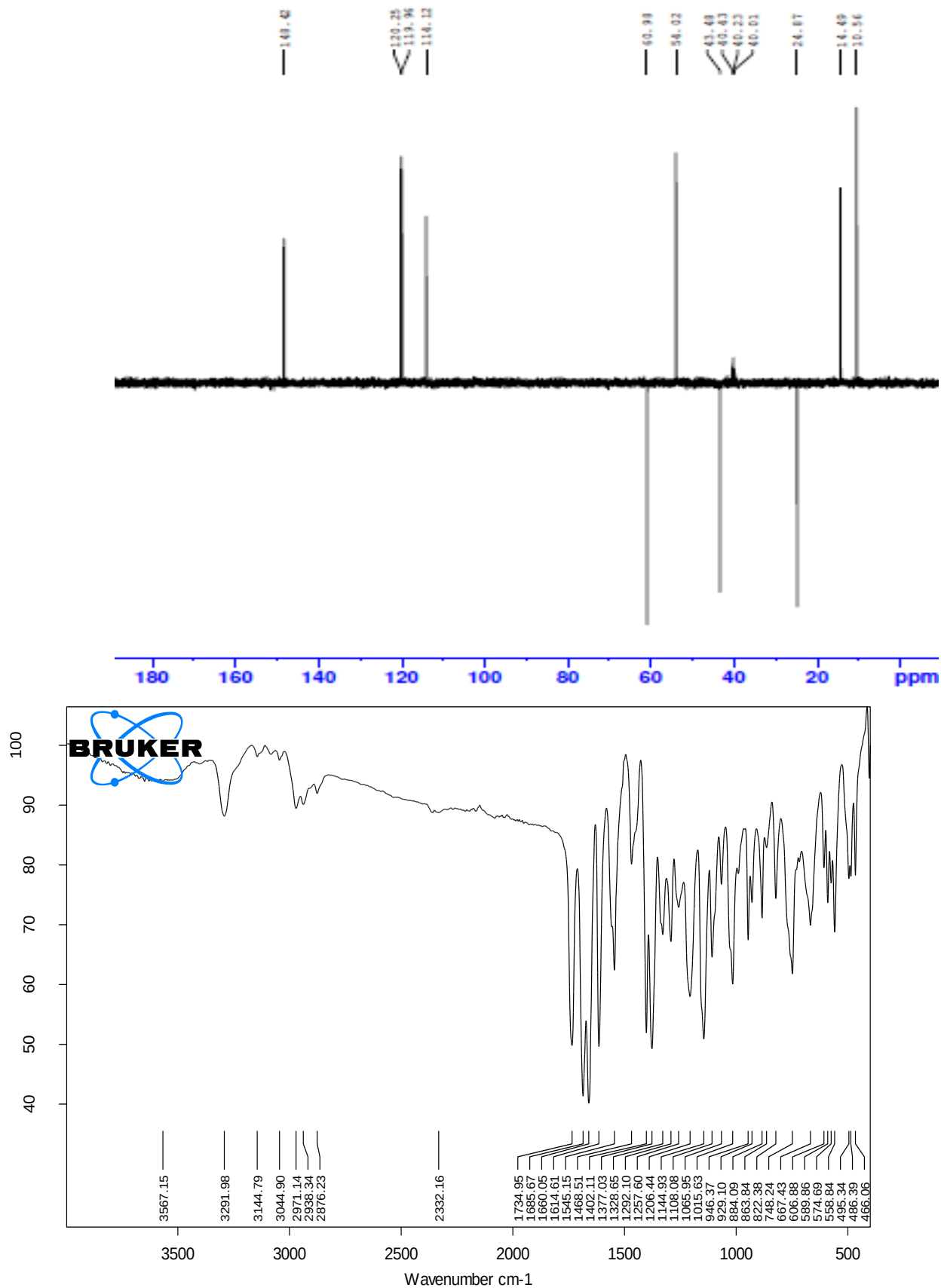
S51. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(4-hydroxybenzylidene)-2,4dioxothiazolidin-3-yl) acetamido) butanoate(**13civ**)

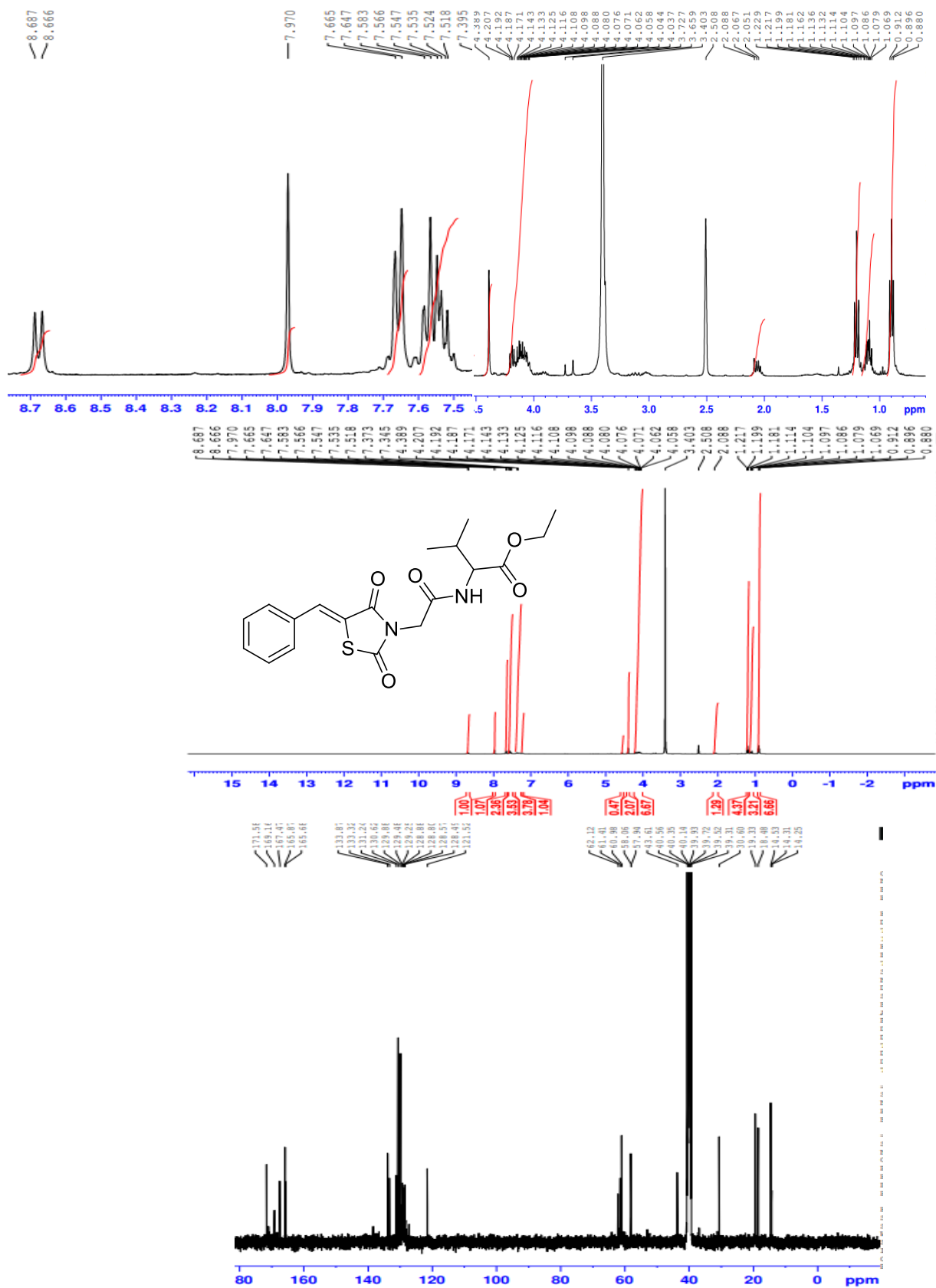
S52. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-hydroxybenzylidene)-2,4-dioxothiazolidin-3-yl) acetamido) butanoate(**13civ**)



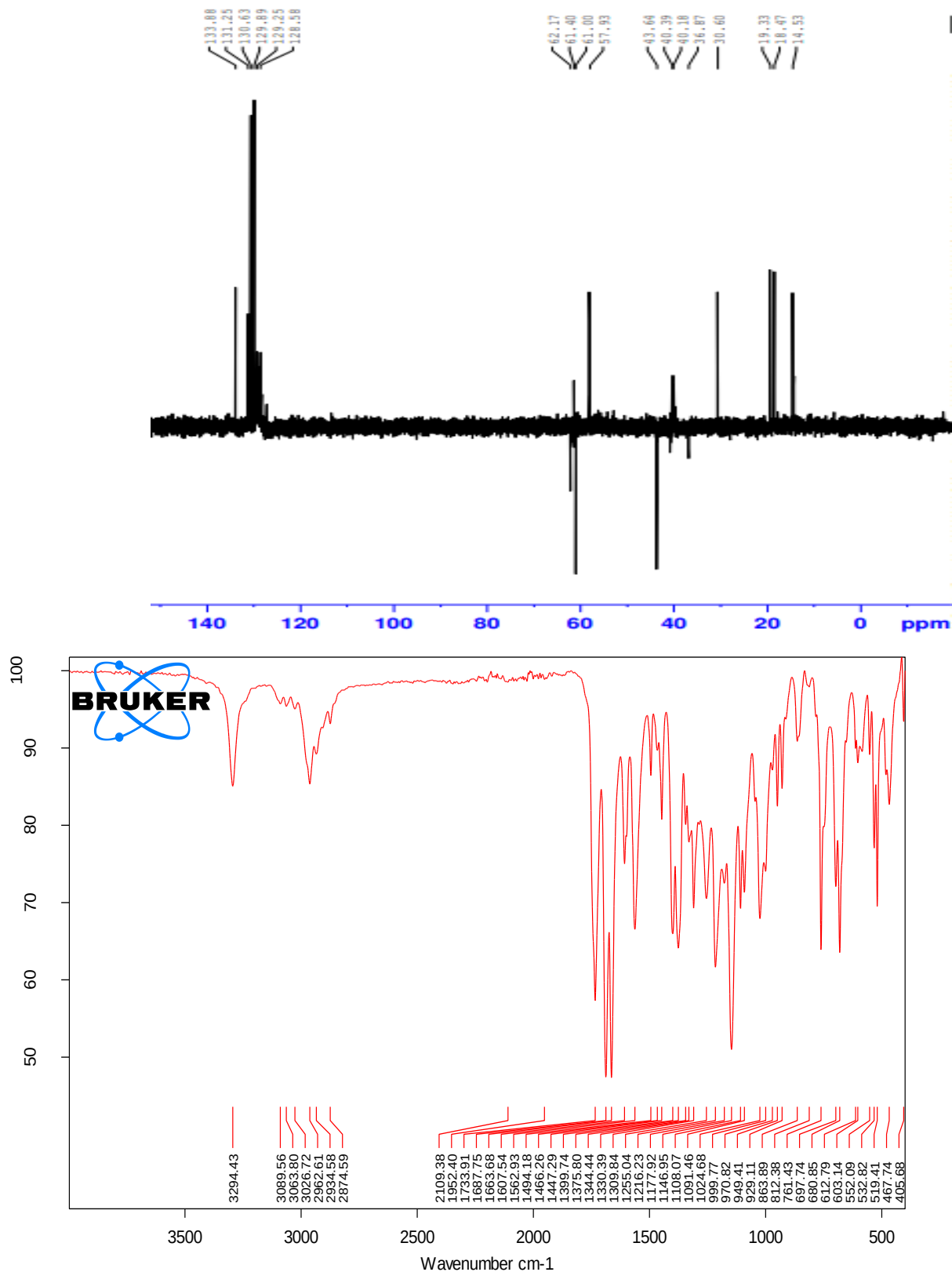
S53. ^1H and ^{13}C NMR spectra Ethyl 2-(2-(5-(furan-2-ylmethylene)-2,4-dioxothiazolidin-3-yl)acetamido)butanoate (**13cv**)

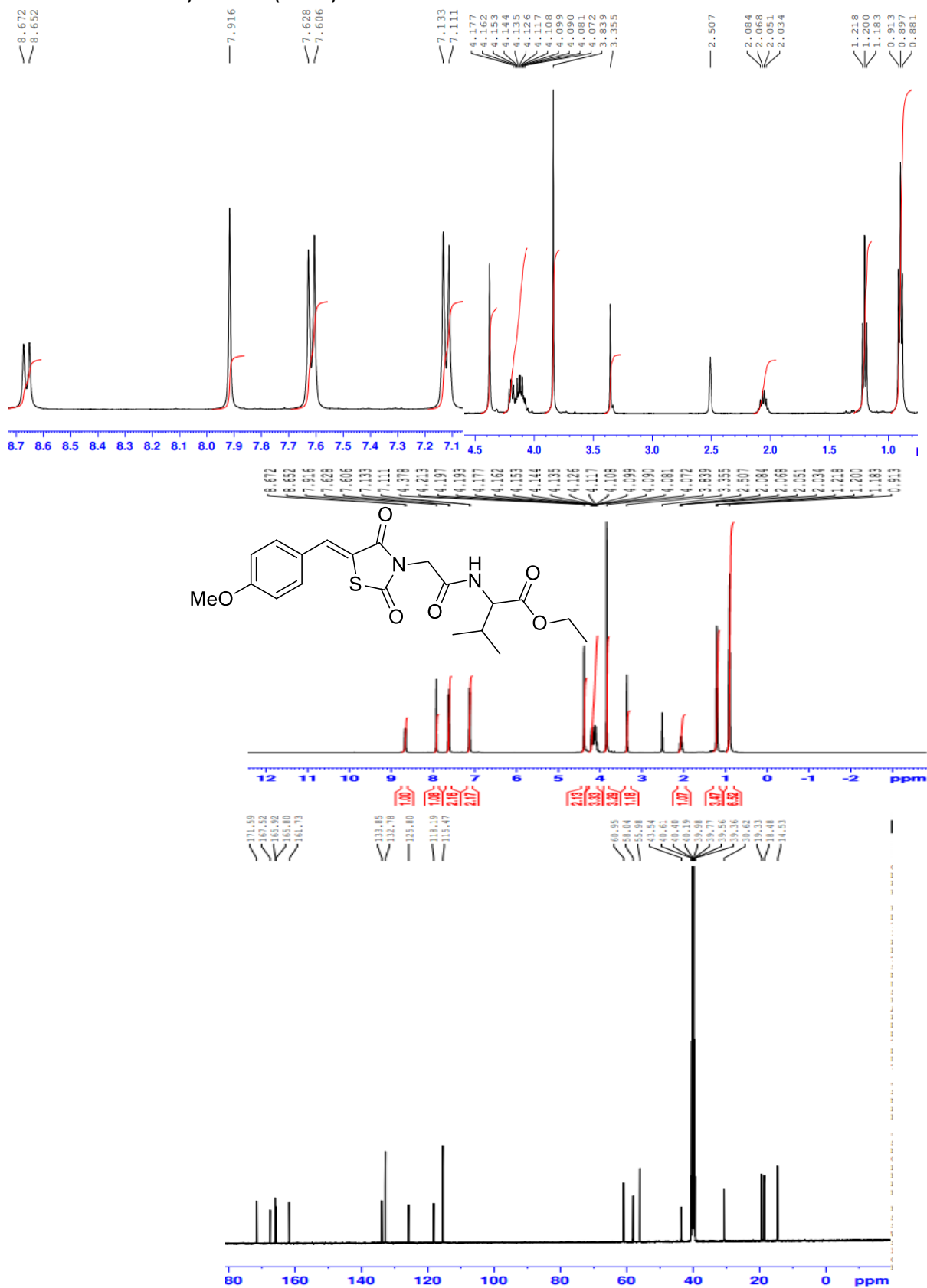
S54. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(furan-2-ylmethylene)-2,4-dioxothiazolidin-3-yl)acetamido)butanoate (**13cv**)



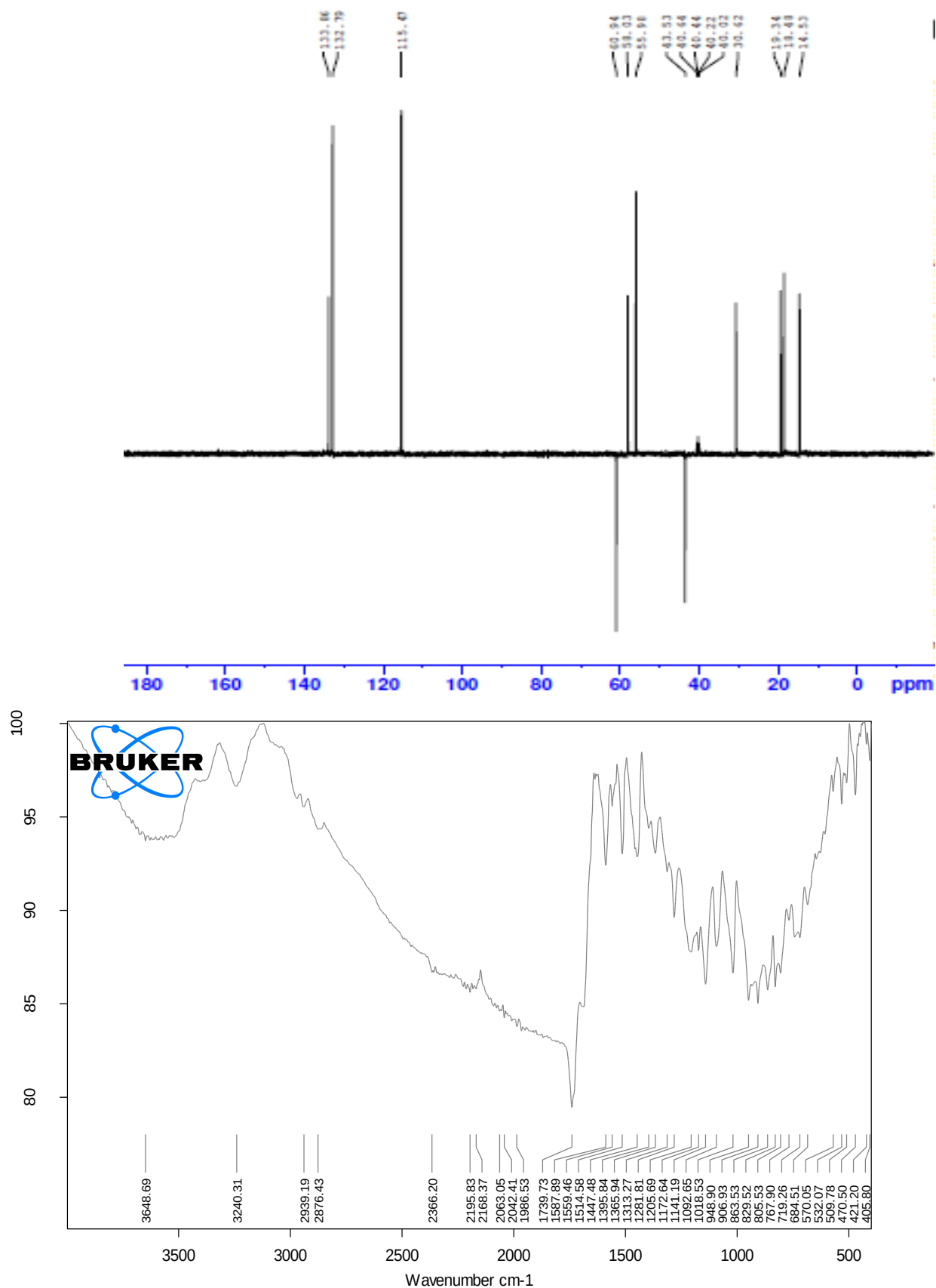
S55. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-benzylidene-2,4-dioxothiazolidin-3-yl) acetamido)valinate (13di)

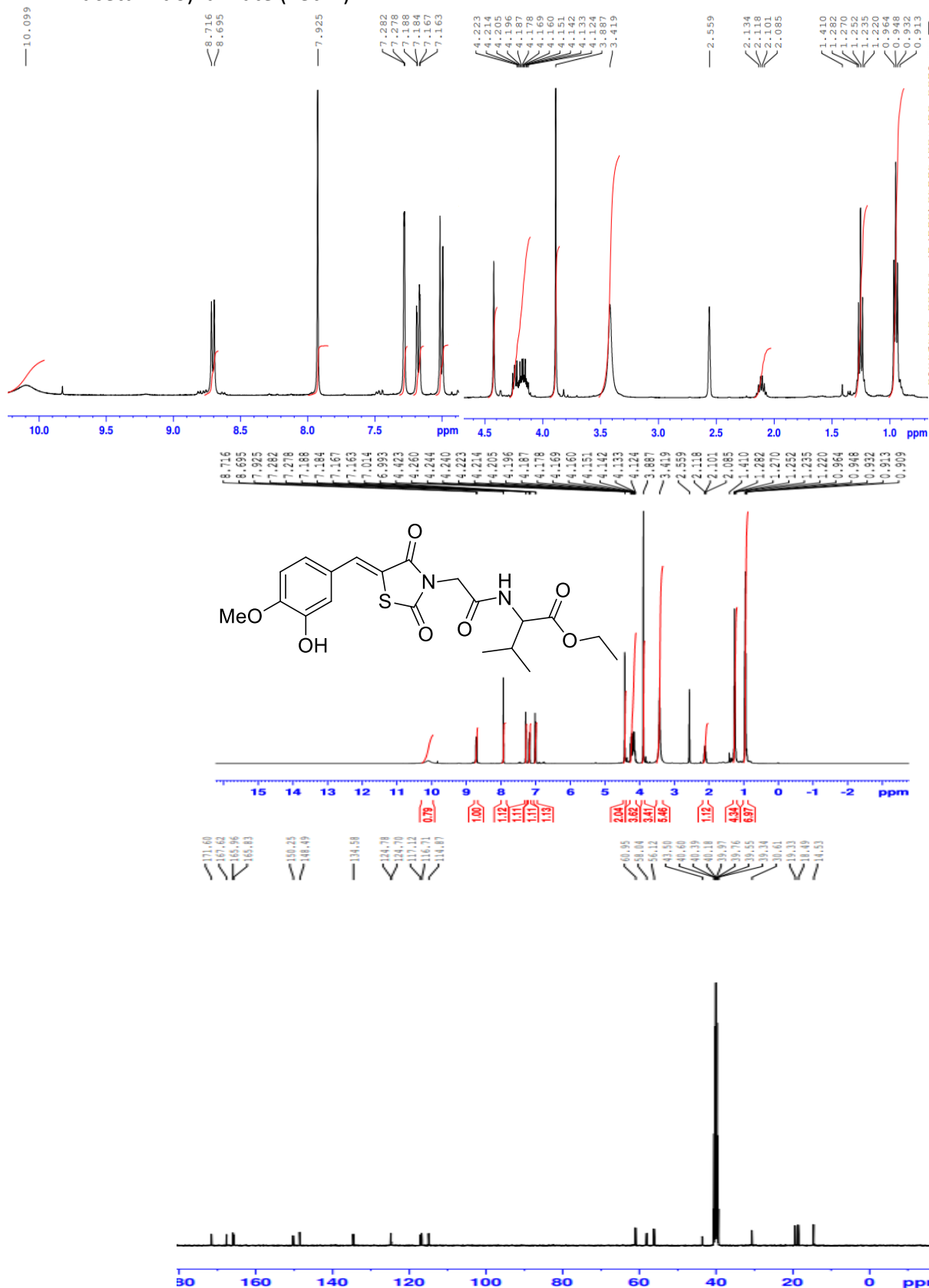
S56. DEPT-135 and IR spectra of Ethyl 2-(2-(5-benzylidene-2,4-dioxothiazolidin-3-yl) acetamido)valinate (13di)



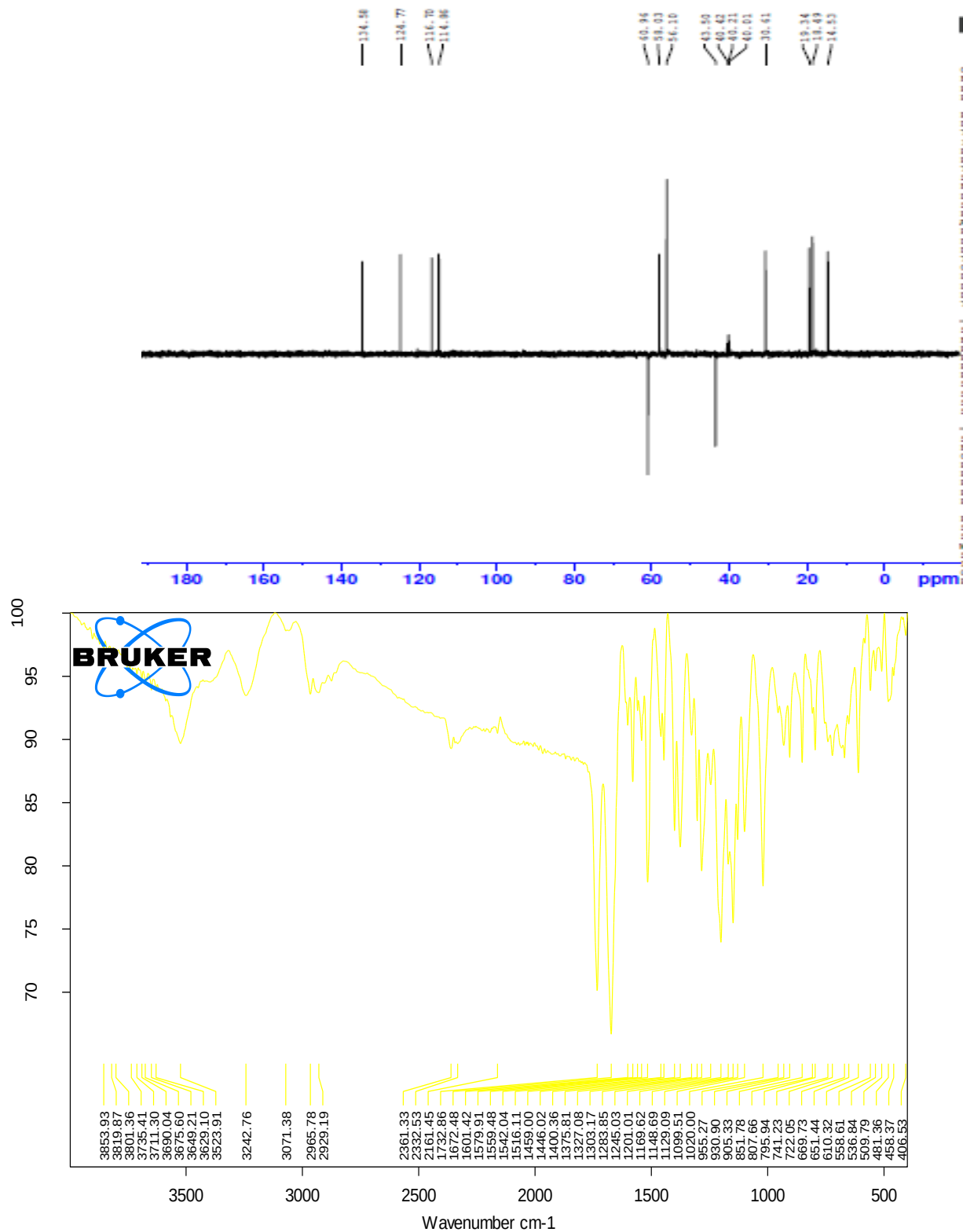
S57. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(4-methoxybenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido)valinate(**13dii**)

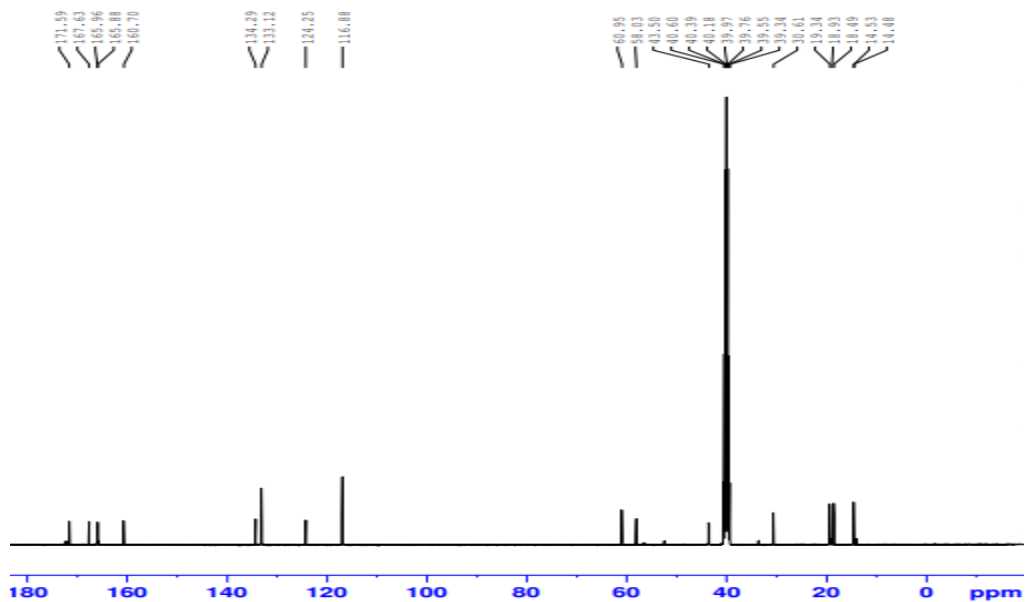
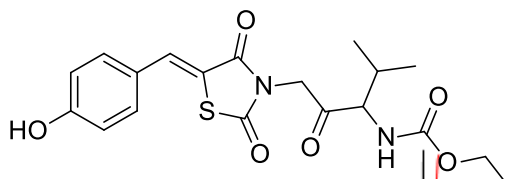
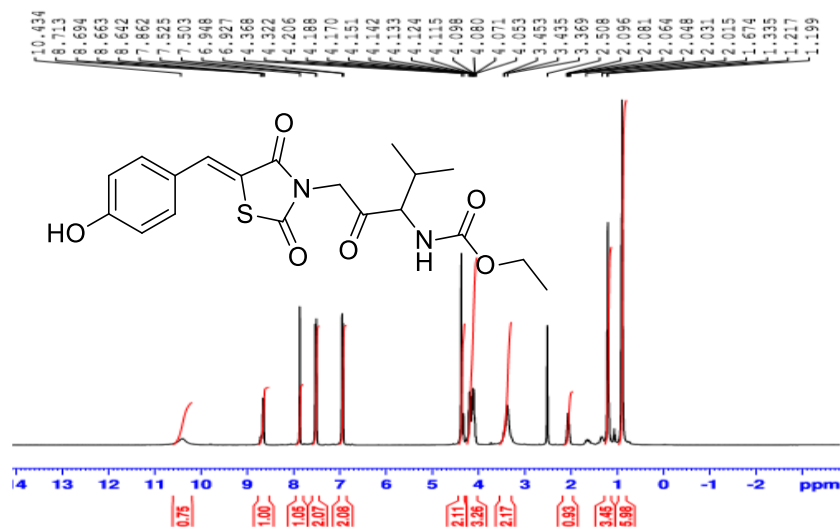
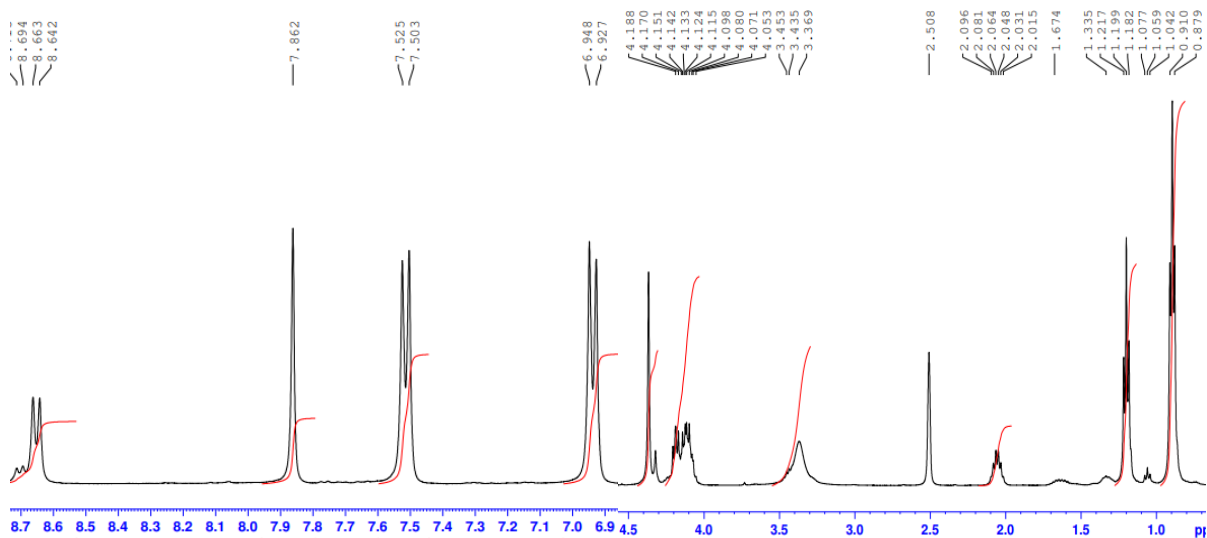
S58. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-methoxybenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido)valinate(**13dii**)



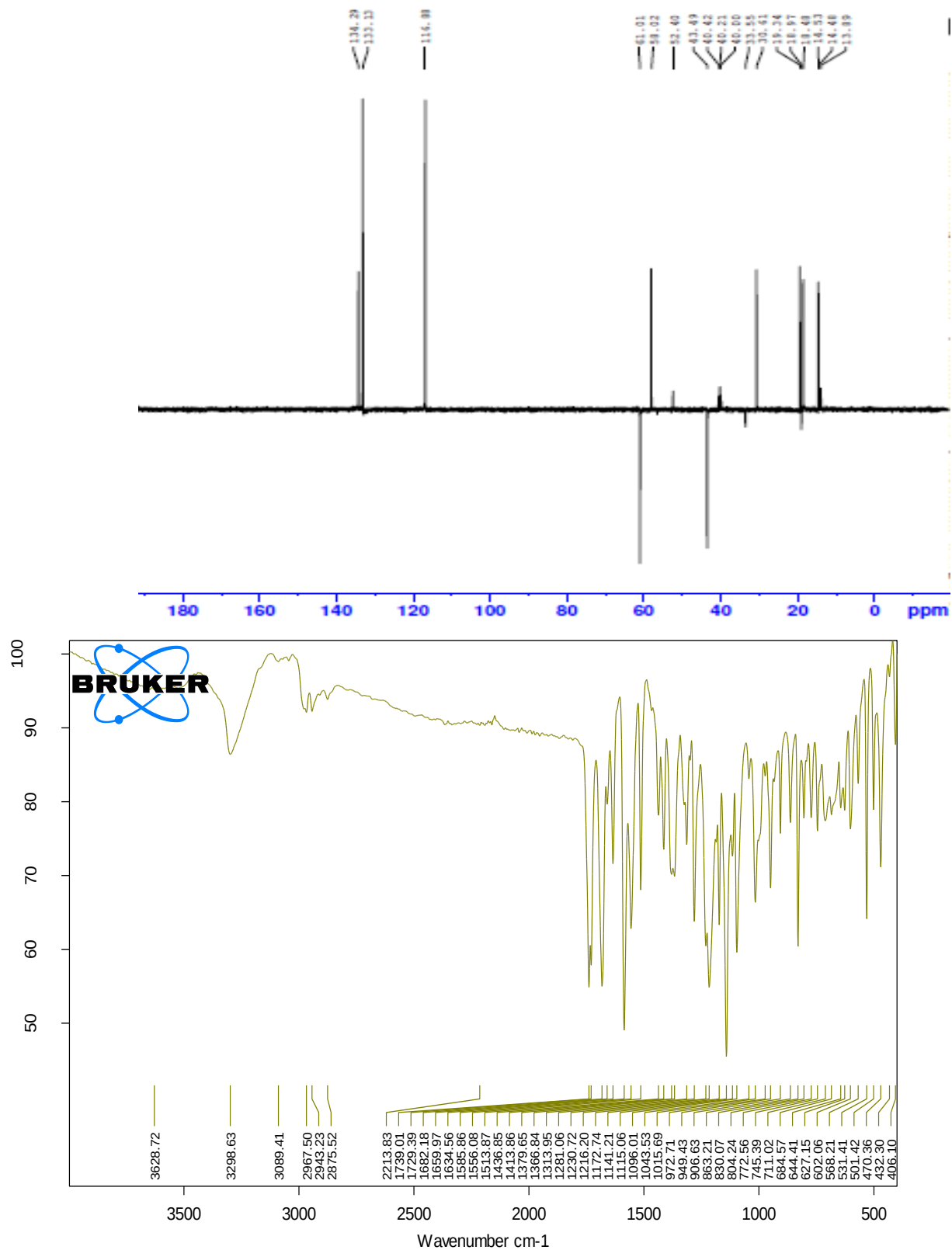
S59. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(4-methoxy-3-hydroxybenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido)valinate (**13diii**)

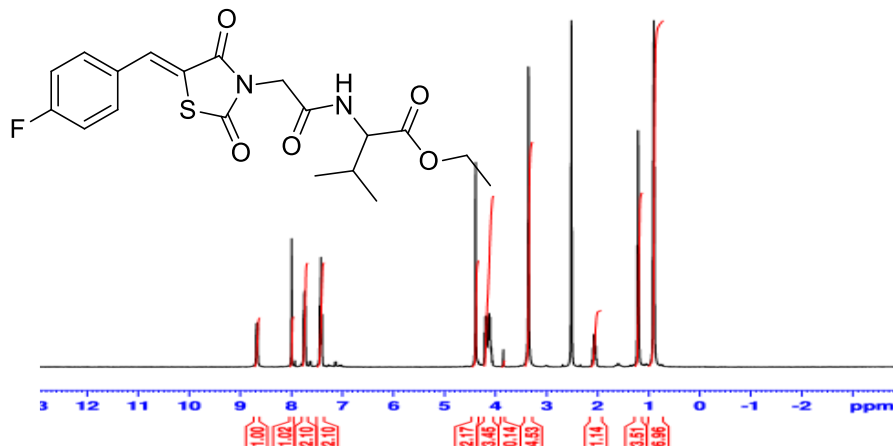
S60. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-methoxy-3-hydroxybenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido)valinate (**13diii**)



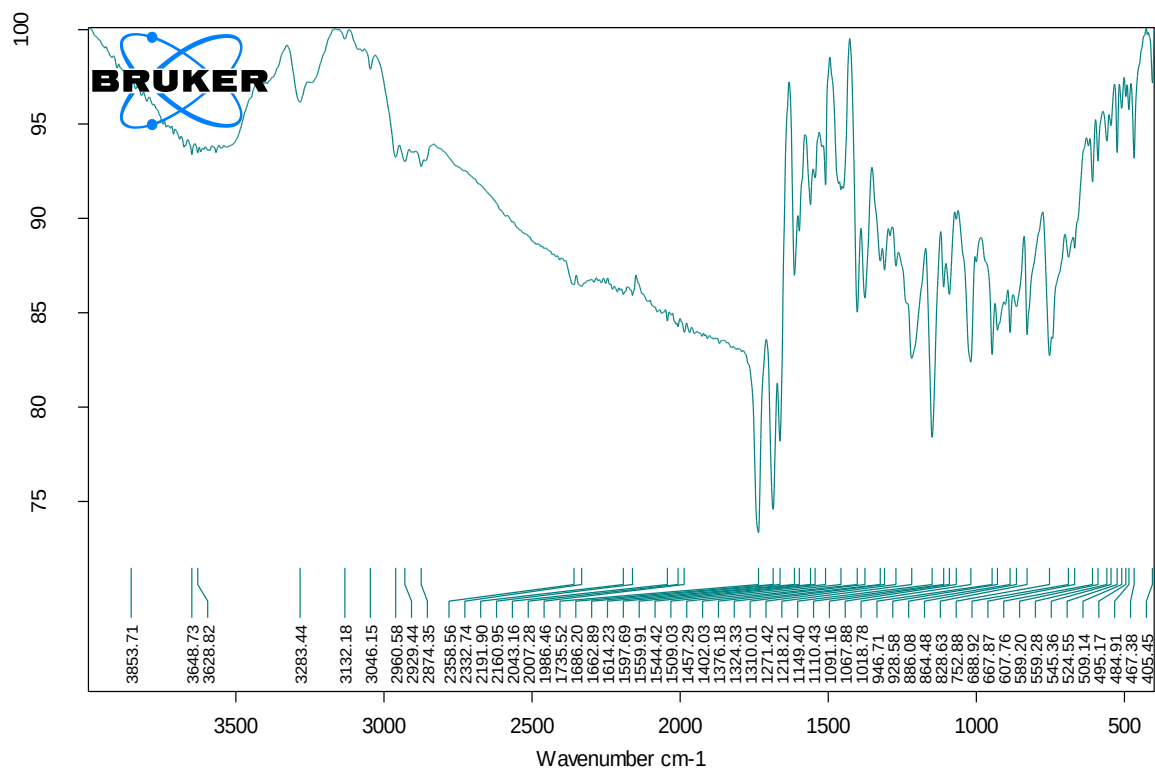
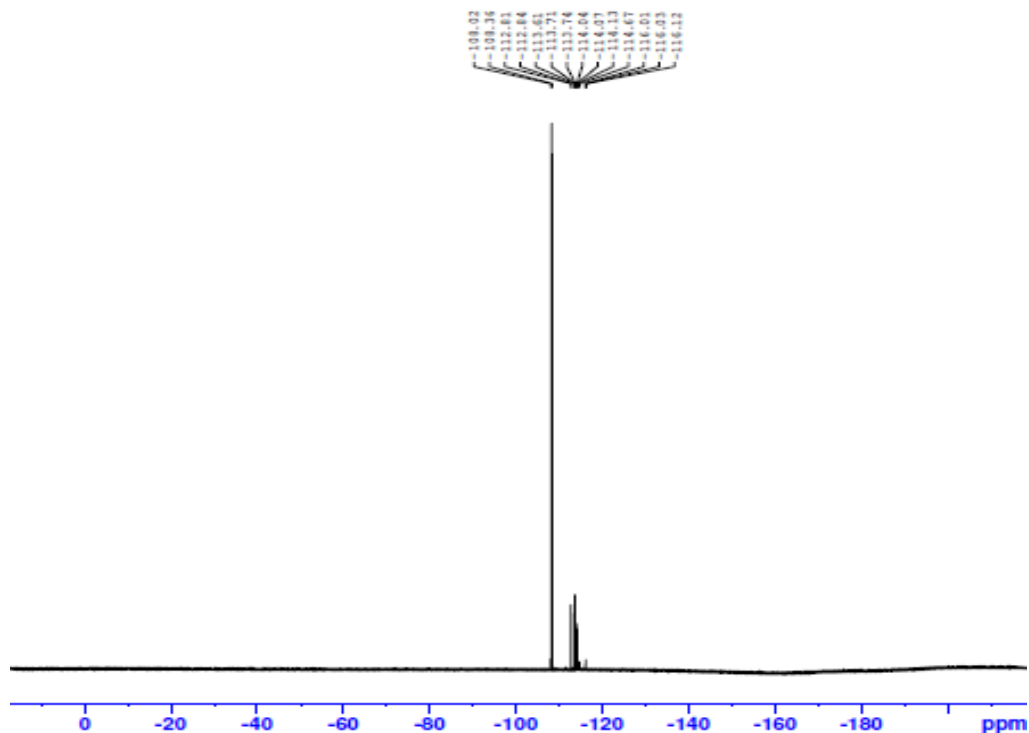
S61. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(4-hydroxybenzylidene)-2,4dioxothiazolidin-3-yl)acetamido)valinate (**13div**)

S62. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-hydroxybenzylidene)-2,4dioxothiazolidin-3-yl)acetamido)valinate (**13div**)

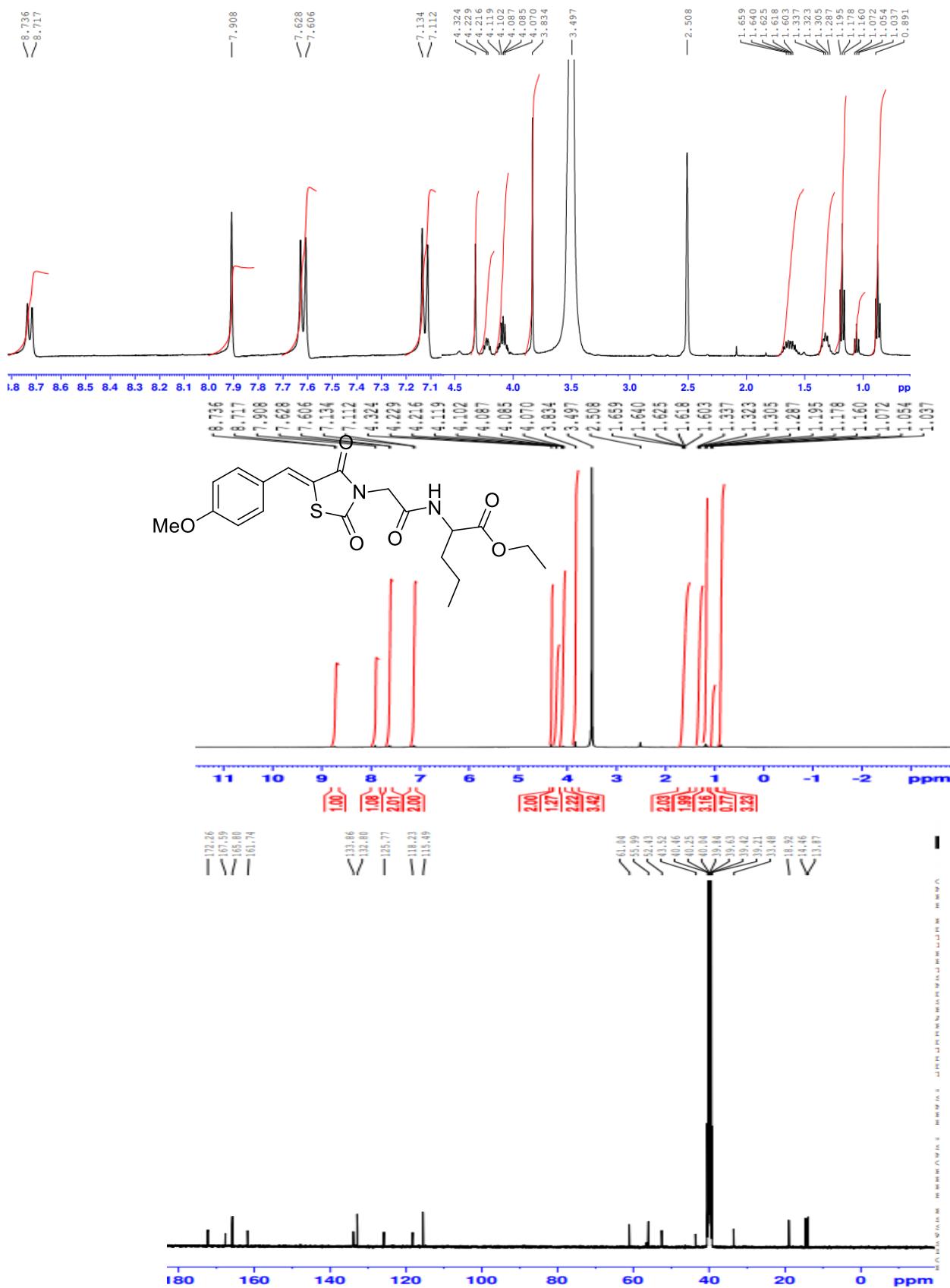


acetamido)valinate (**13dv**)

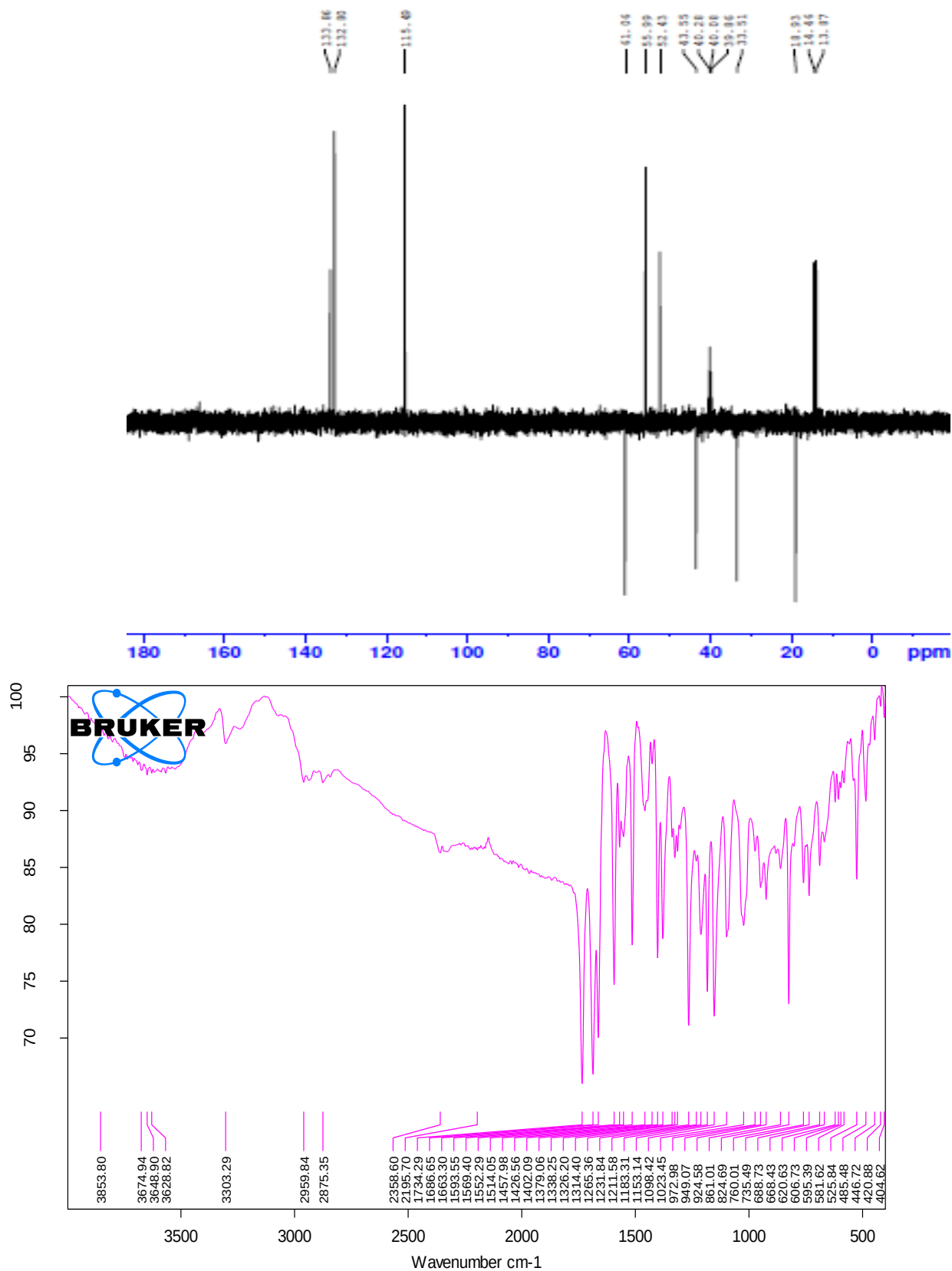
(13dv)



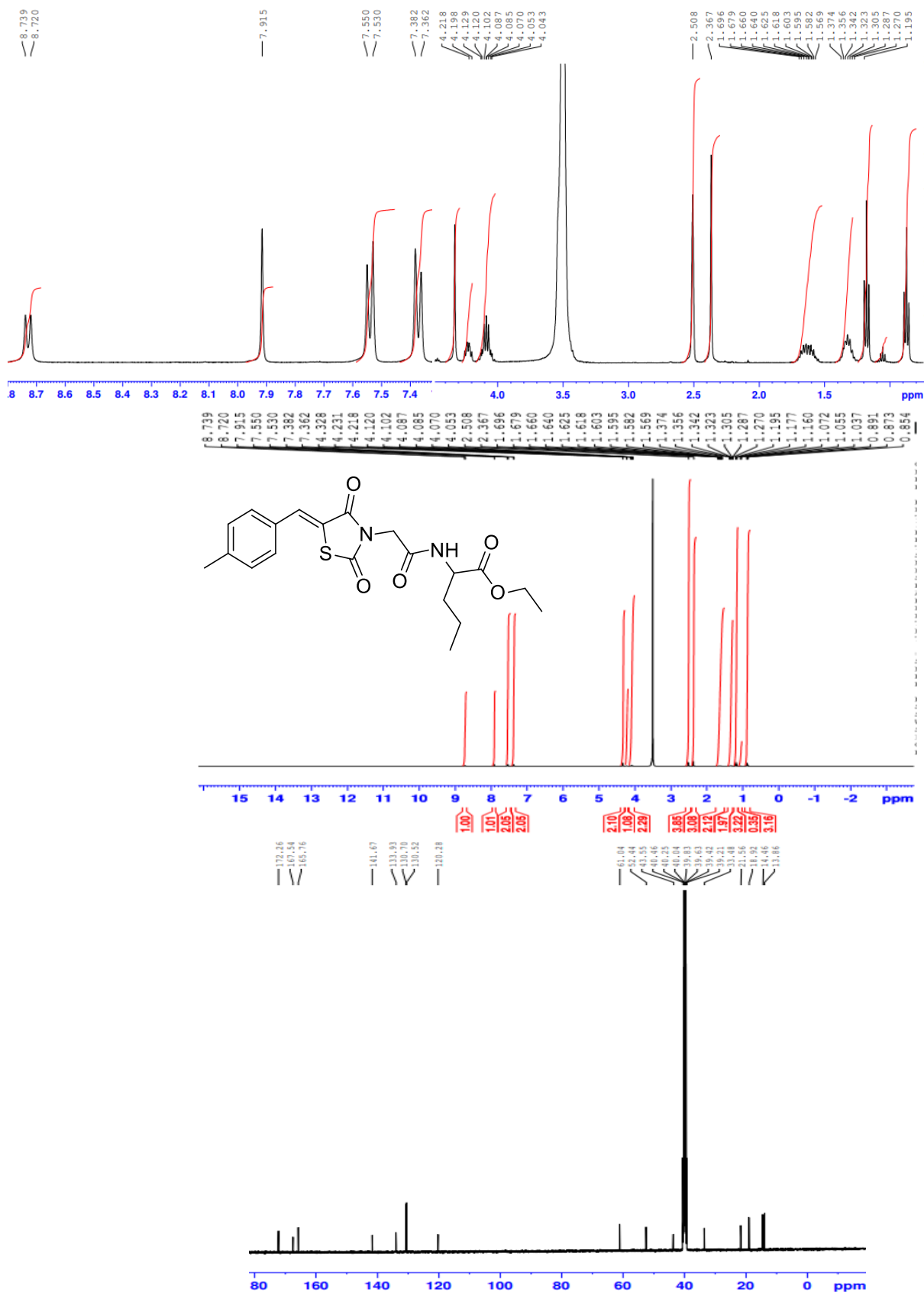
S65. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(4-methoxybenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido)norvalinate(**13ei**)



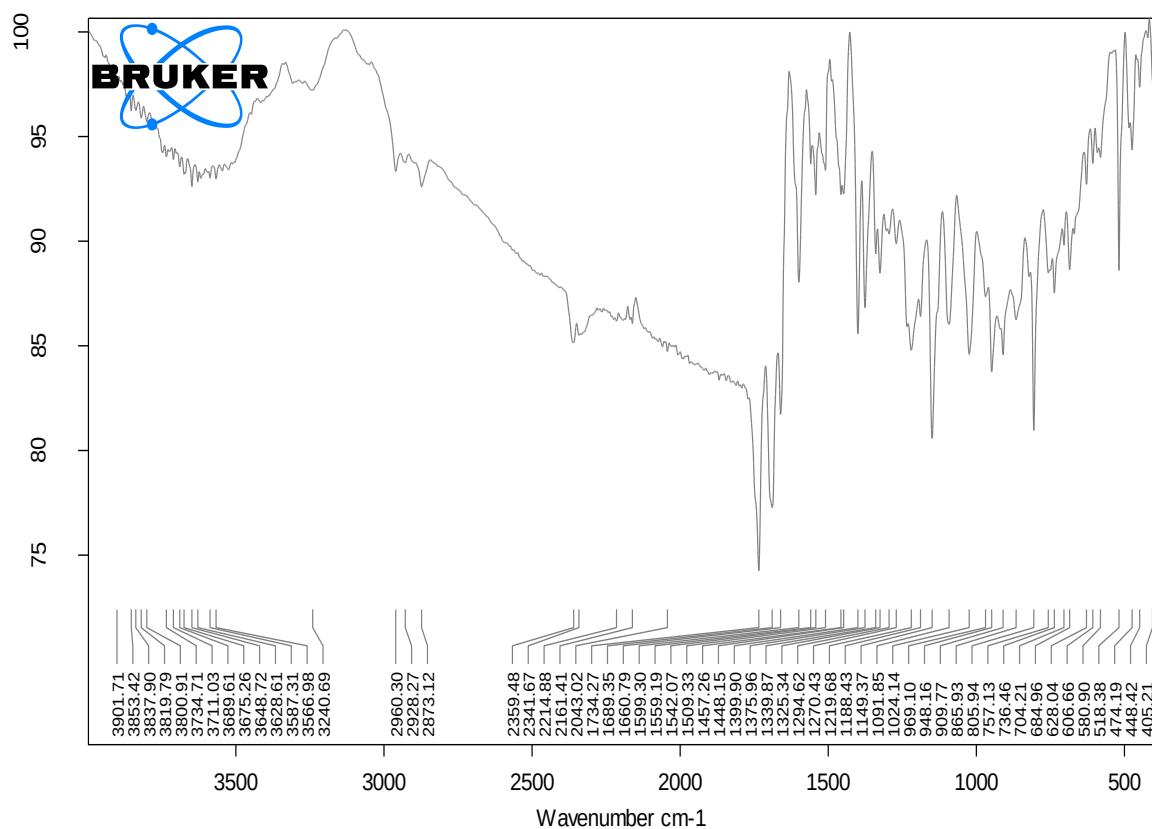
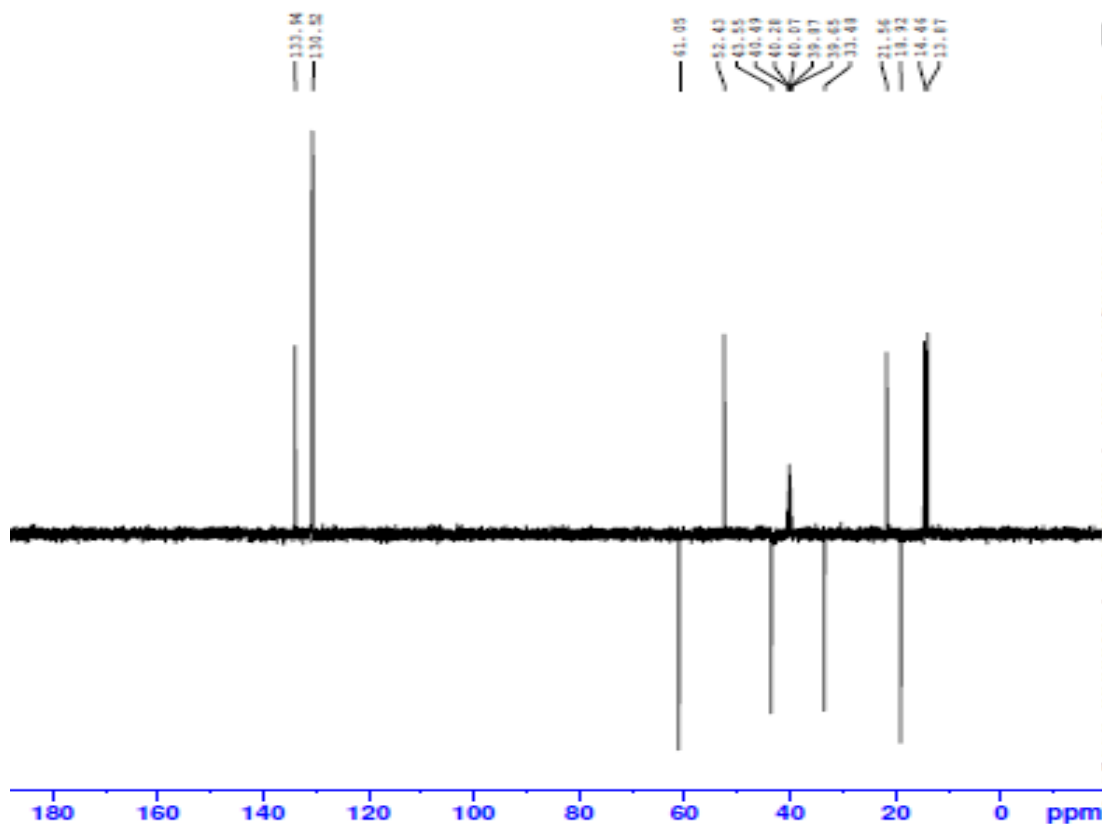
S66. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-methoxybenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido)norvalinate(**13ei**)

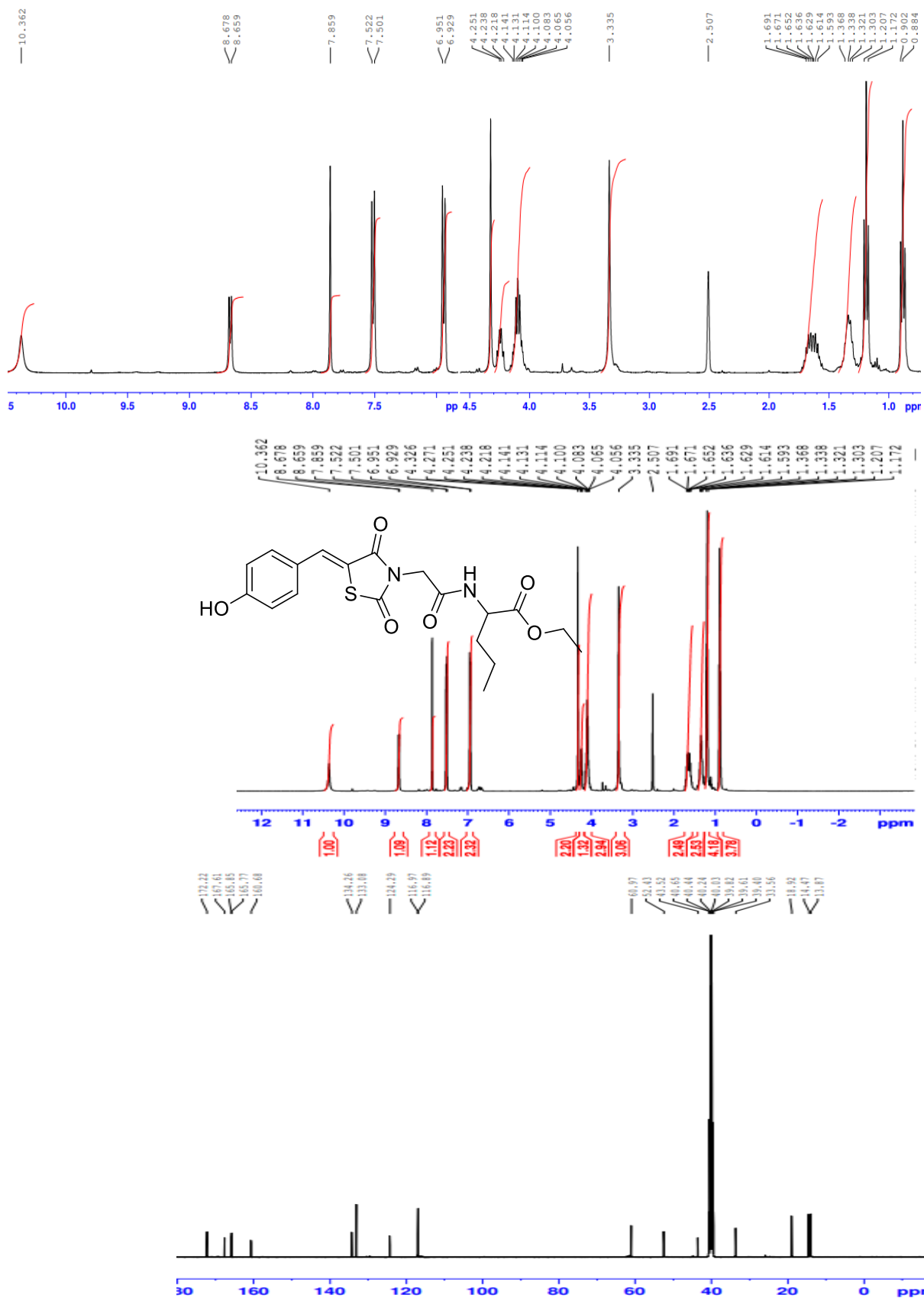


S67. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(4-methylbenzylidene)-2,4dioxothiazolidin-3-yl)acetamido)norvalinate(**13eii**)

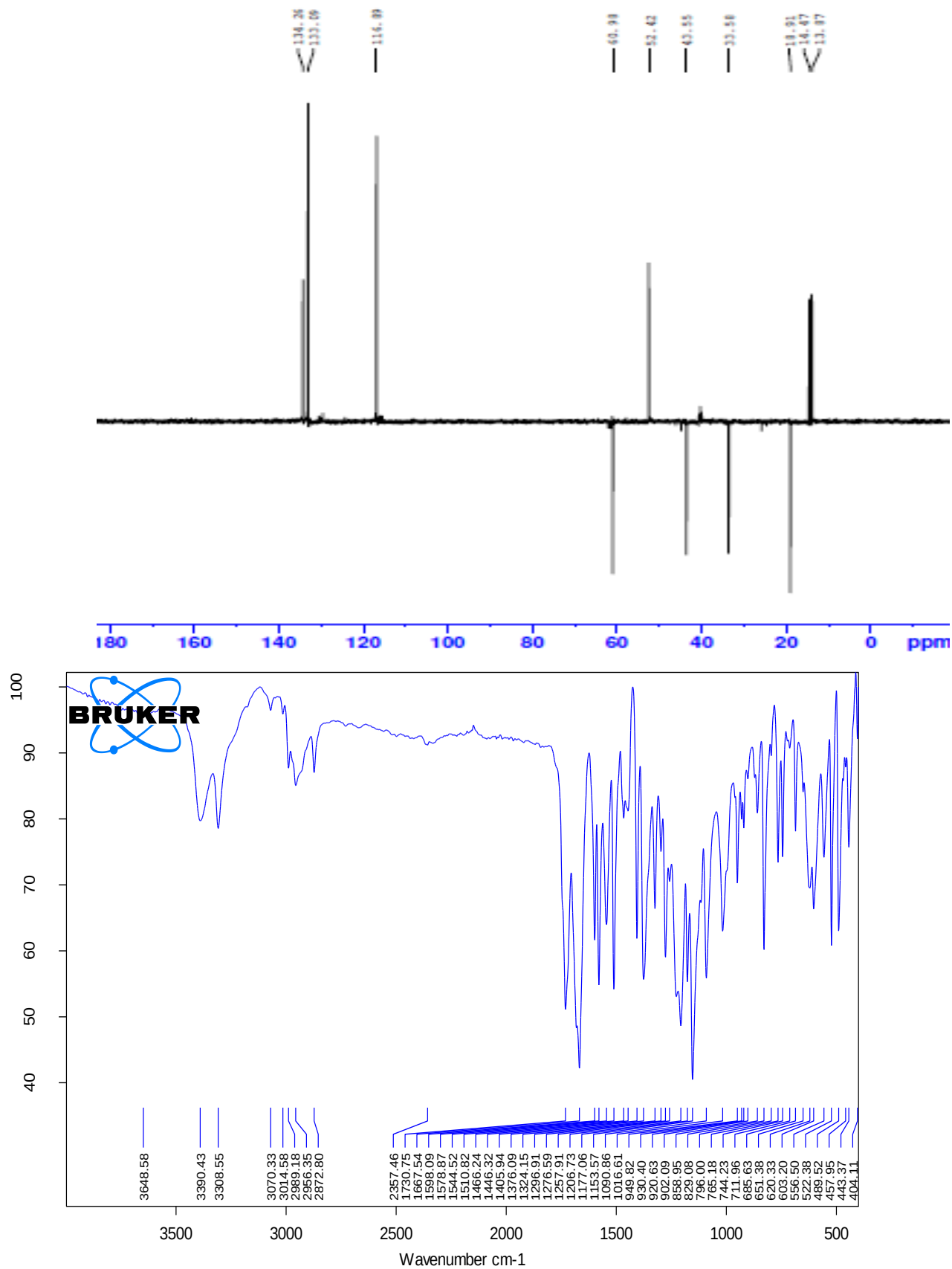


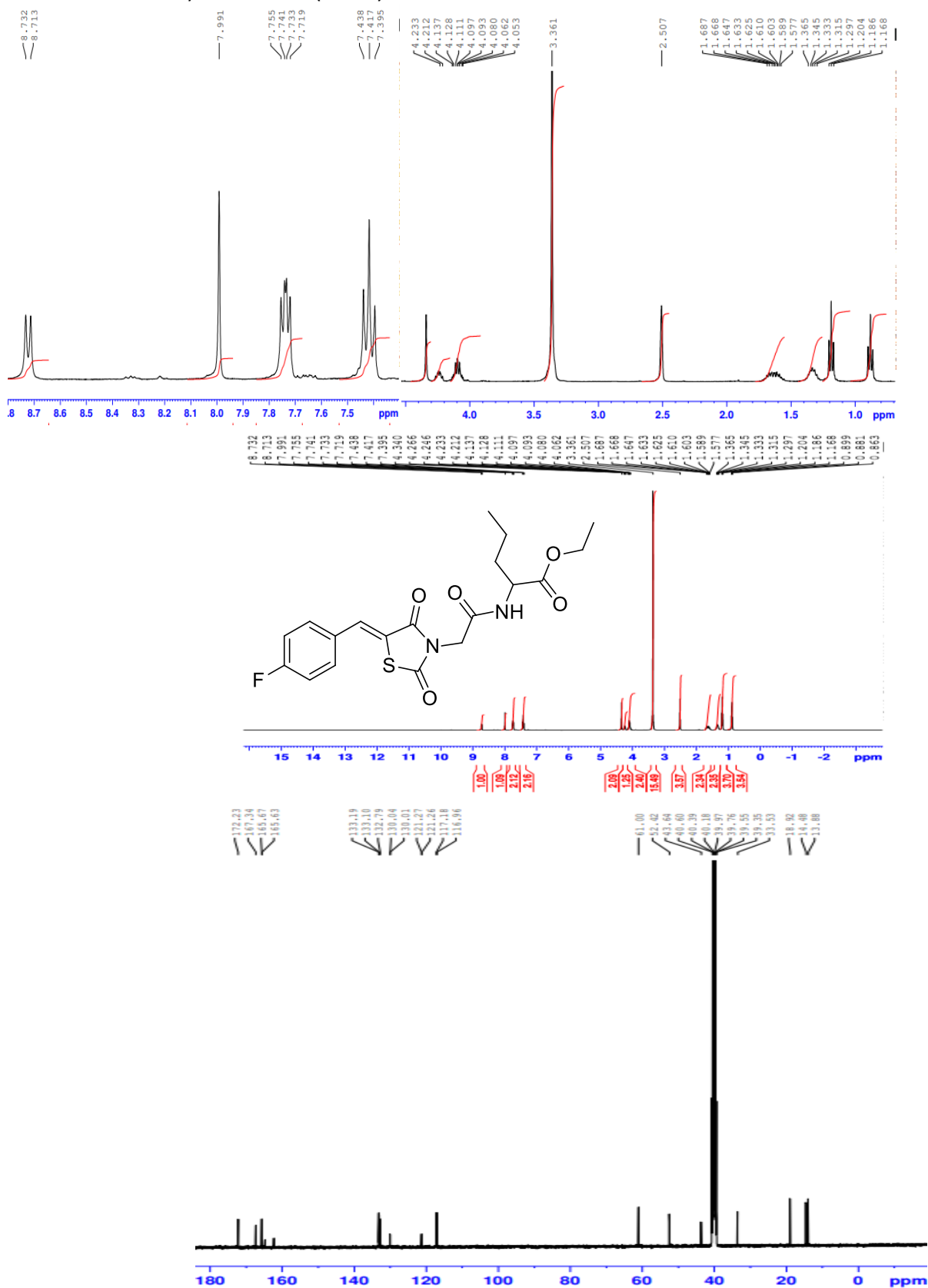
S68. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-methylbenzylidene)-2,4dioxothiazolidin-3-yl)acetamido)norvalinate(**13eii**)

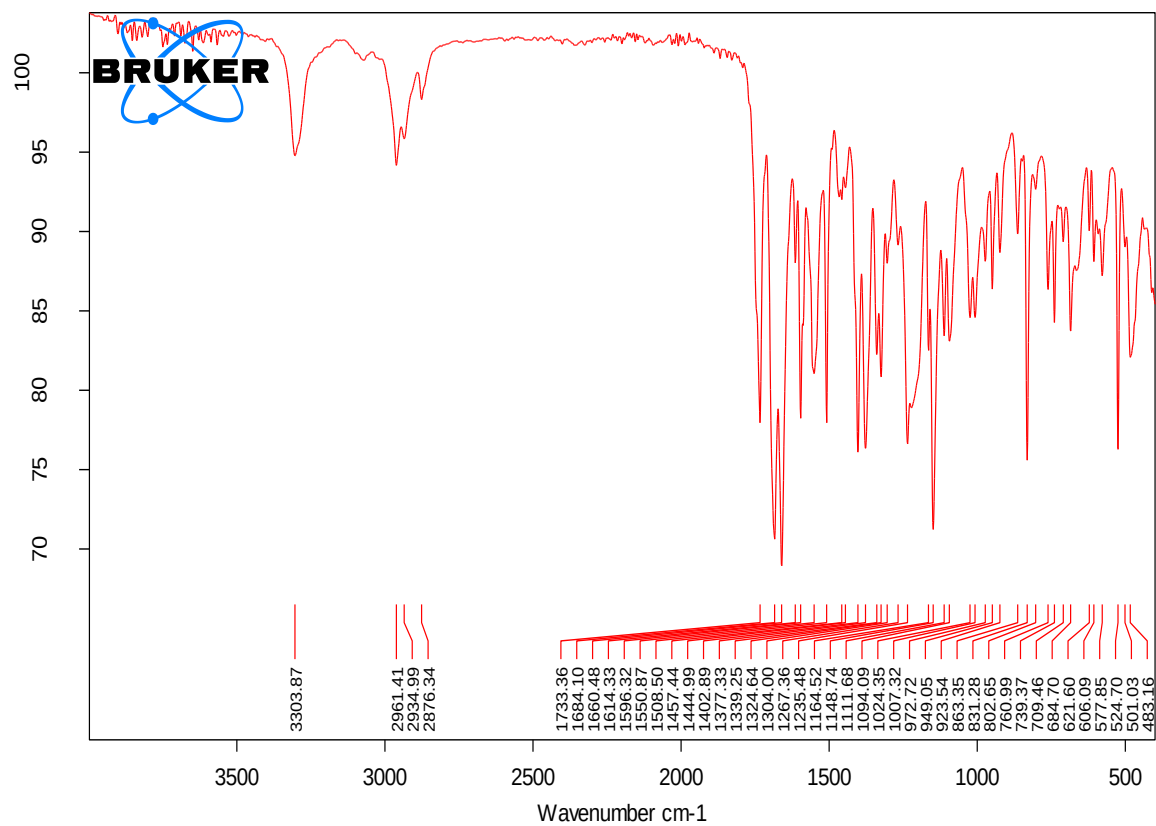
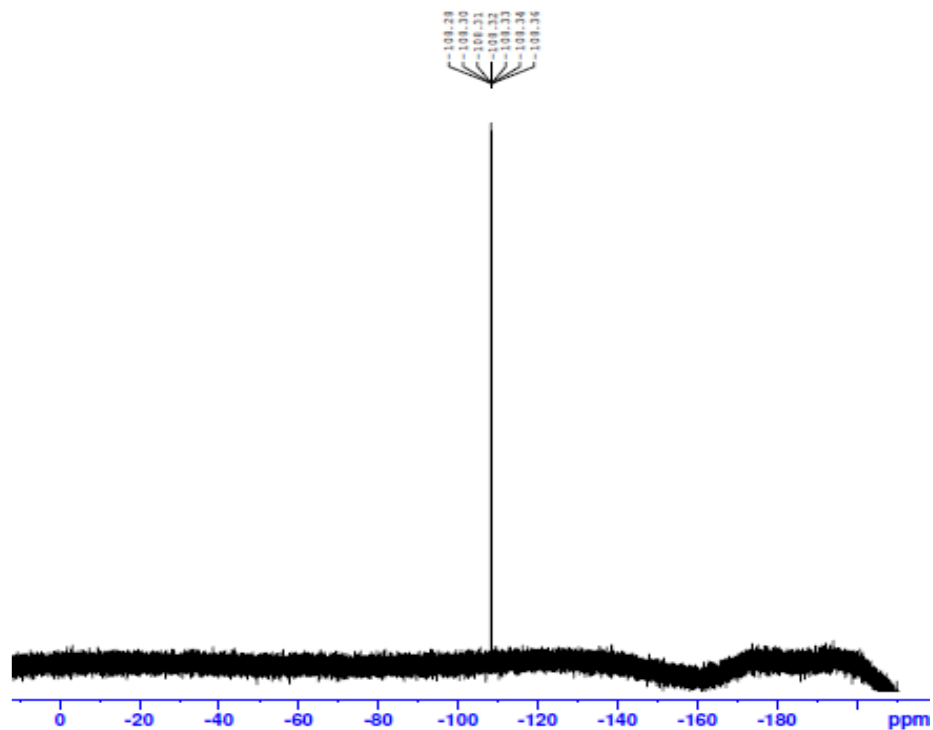


S69. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(4-hydroxybenzylidene)-2,4dioxothiazolidin-3-yl)acetamido)norvalinate (**13eiii**)

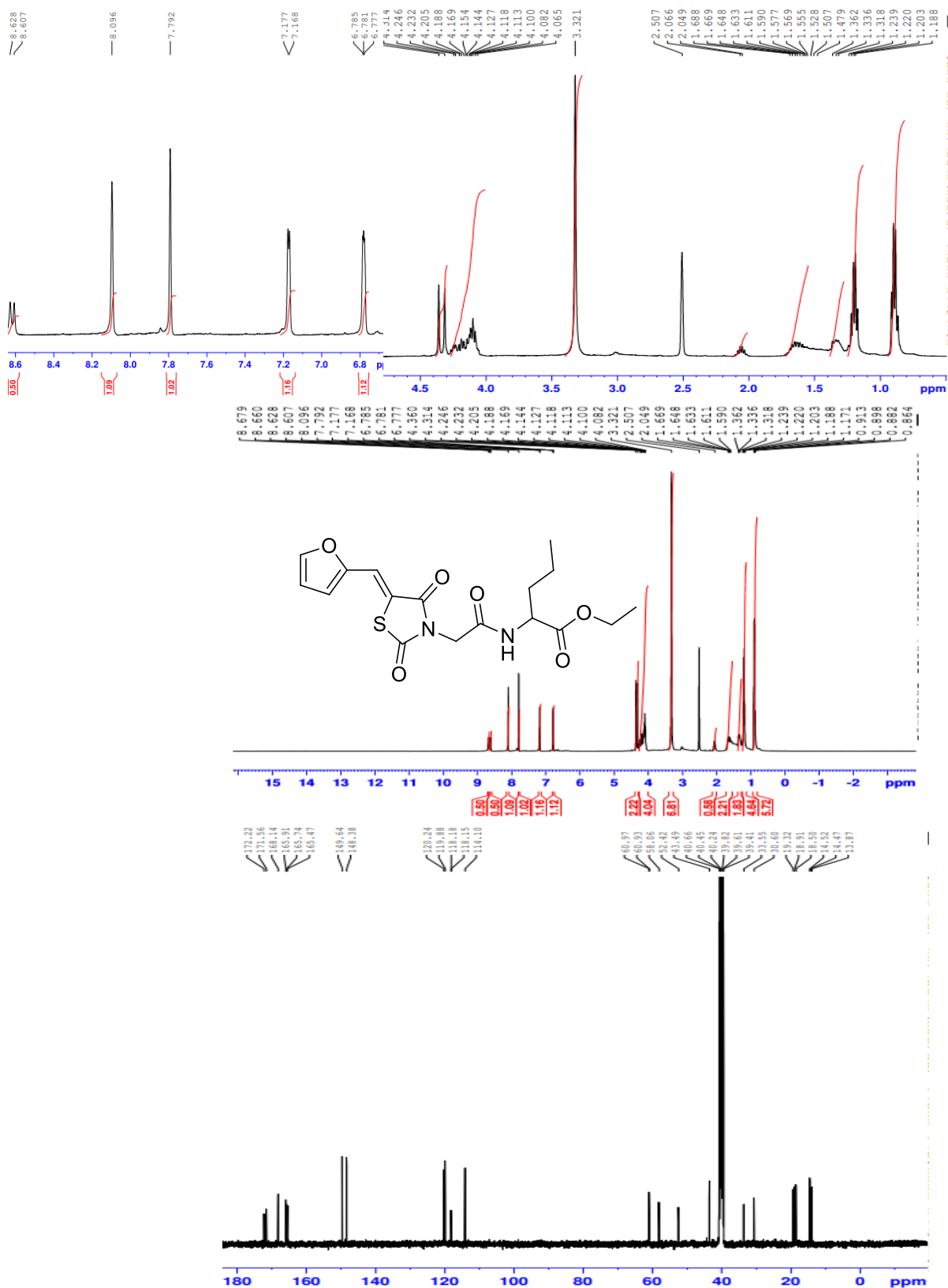
S70. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(4-hydroxybenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido)norvalinate (**13eiii**)



S71. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(4-fluorobenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido)norvalinate (**13eiv**)S72. ^{19}F and IR spectra of Ethyl 2-(2-(5-(4-fluorobenzylidene)-2,4-dioxothiazolidin-3-yl)acetamido)norvalinate (**13eiv**)



S73. ^1H and ^{13}C NMR spectra of Ethyl 2-(2-(5-(furan-2-ylmethylene)-2,4-dioxothiazolidin-3-yl)acetamido)norvalinate (**13ev**)



S74. DEPT-135 and IR spectra of Ethyl 2-(2-(5-(furan-2-ylmethylene)-2,4-dioxothiazolidin-3-yl)acetamido)norvalinate (**13ev**)

