

{[MIM-NO₂][C(NO₂)₃] a unique nano ionic liquid: Application at the synthesis of novel Biginelli-type compounds

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Fig S1. The IR spectrum of *ethyl 6-amino-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 1)

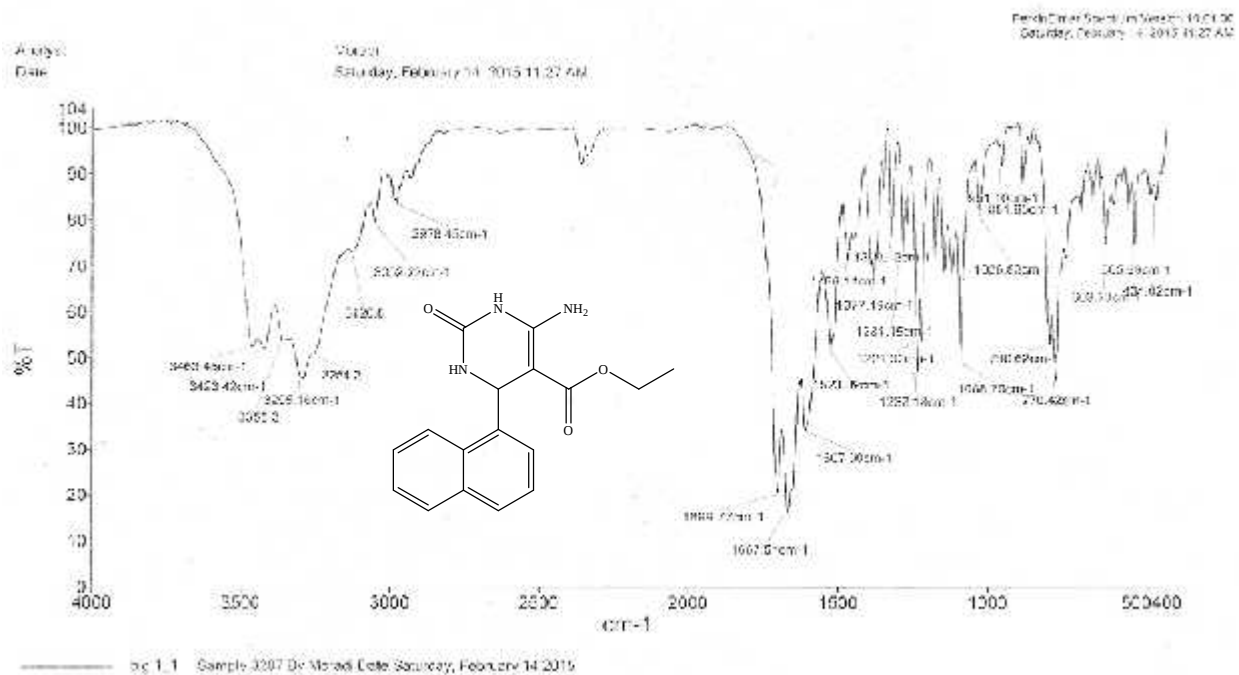


Fig S2. The ^1H NMR spectrum of ethyl 6-amino-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 1)

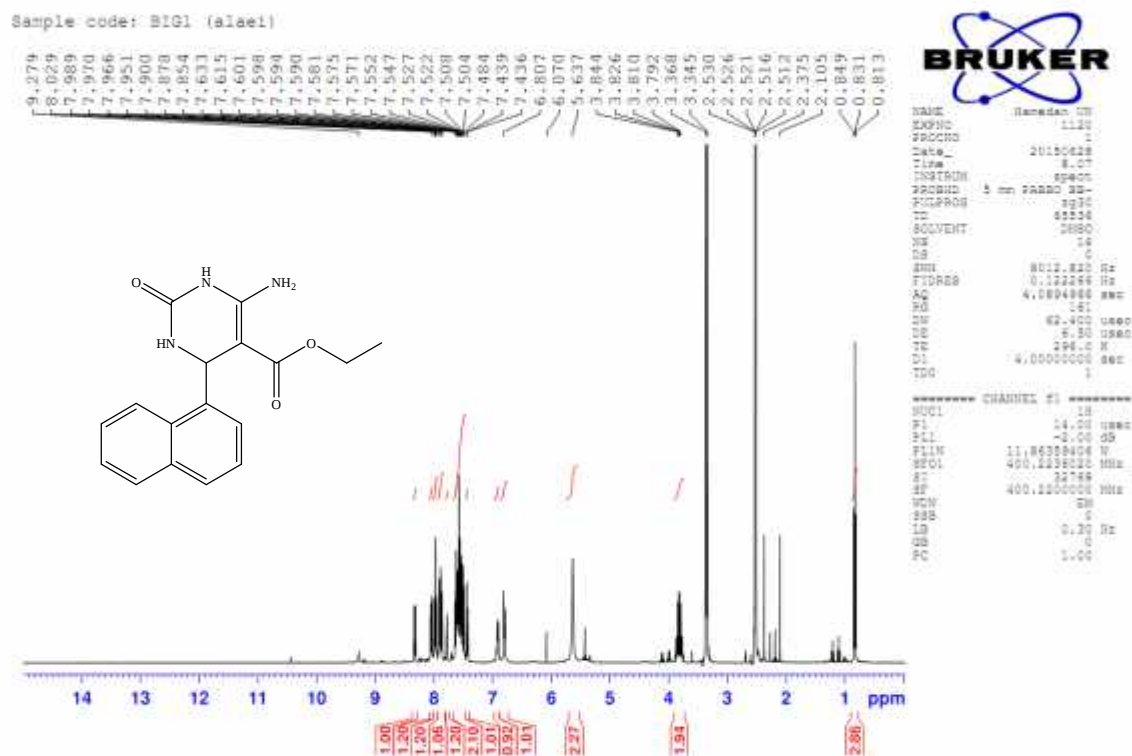


Fig S3. The ^1H NMR spectrum of ethyl 6-amino-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 1)

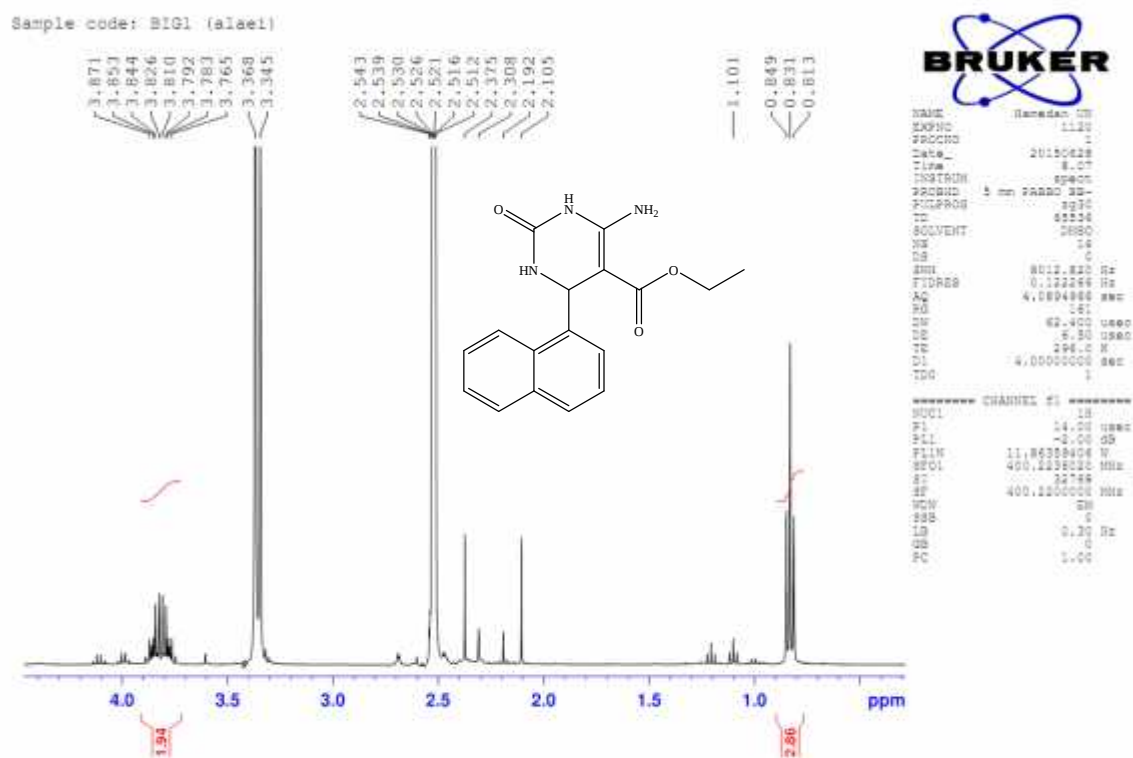


Fig S4. The ^1H NMR spectrum of *ethyl 6-amino-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 1)

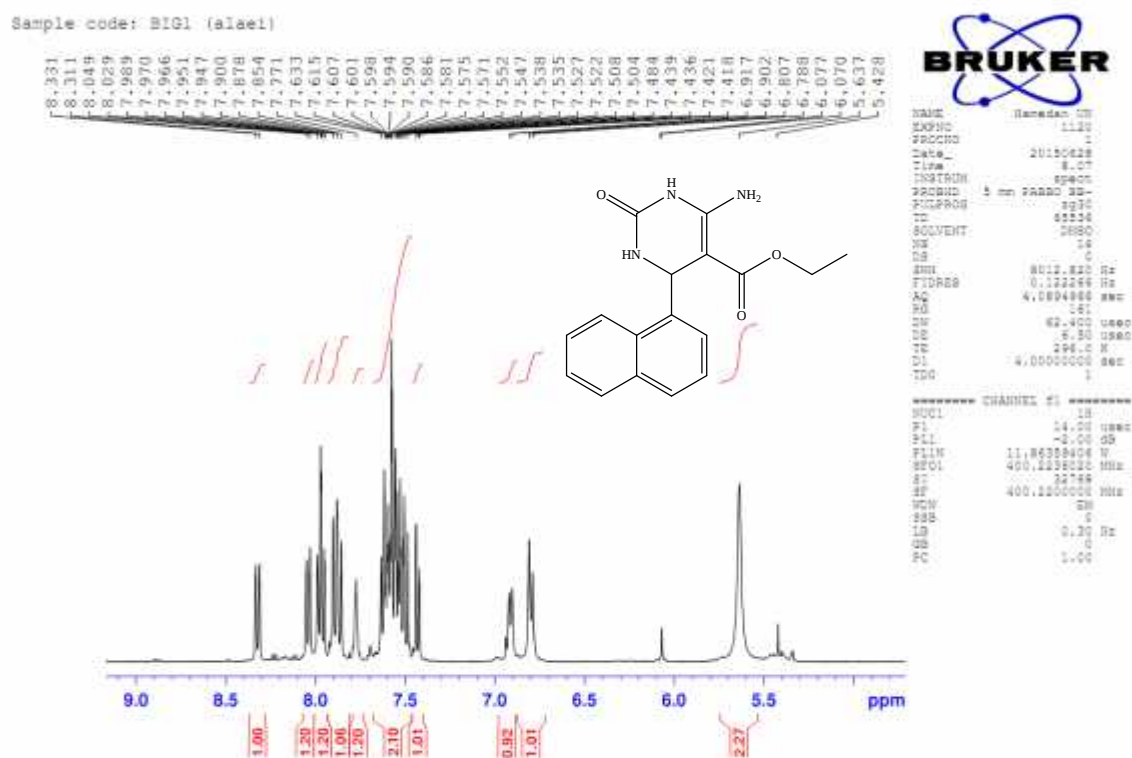


Fig S5. The ^1H NMR spectrum of ethyl 6-amino-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 1)

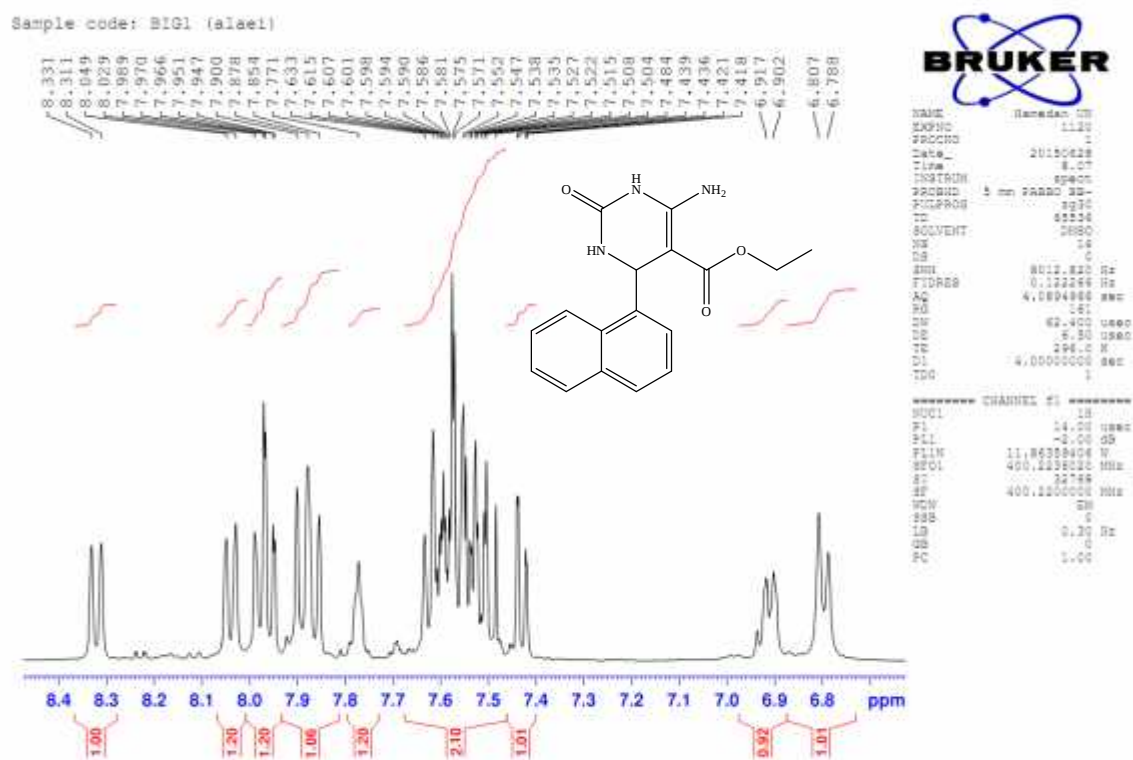


Fig S6. The ^{13}C NMR spectrum of *ethyl 6-amino-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 1)

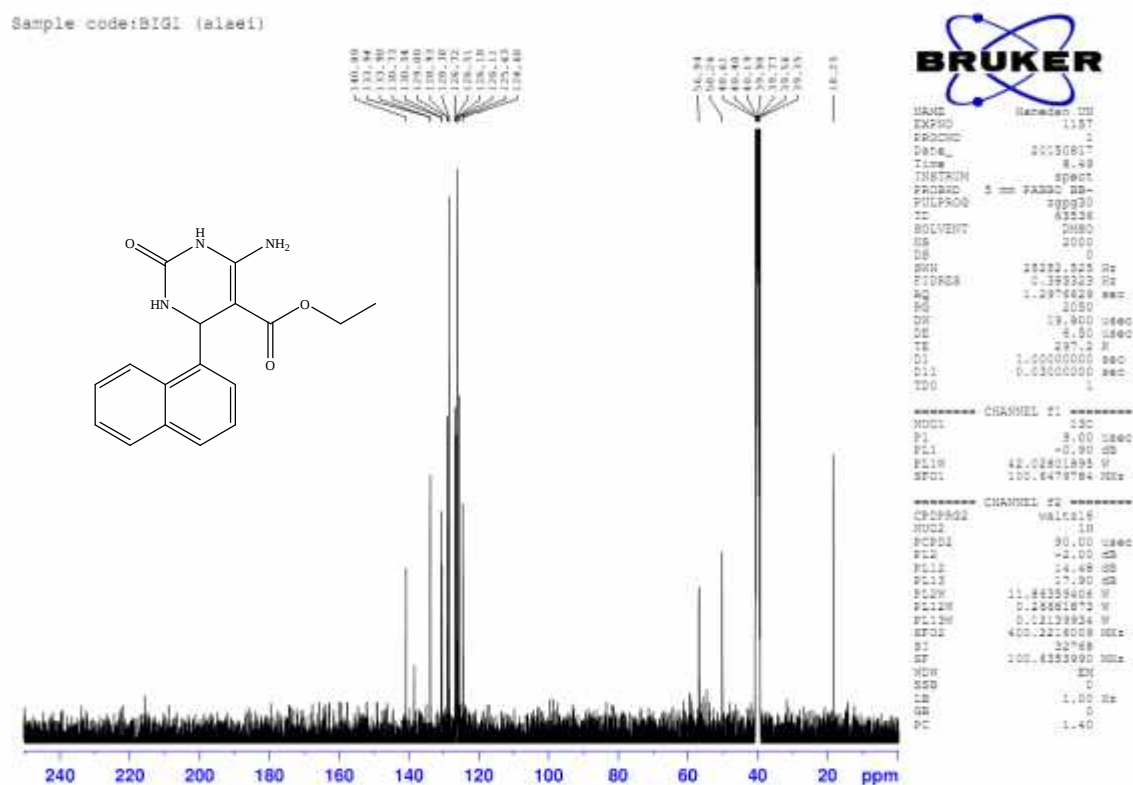


Fig S7. The ^{13}C NMR spectrum of *ethyl 6-amino-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 1)

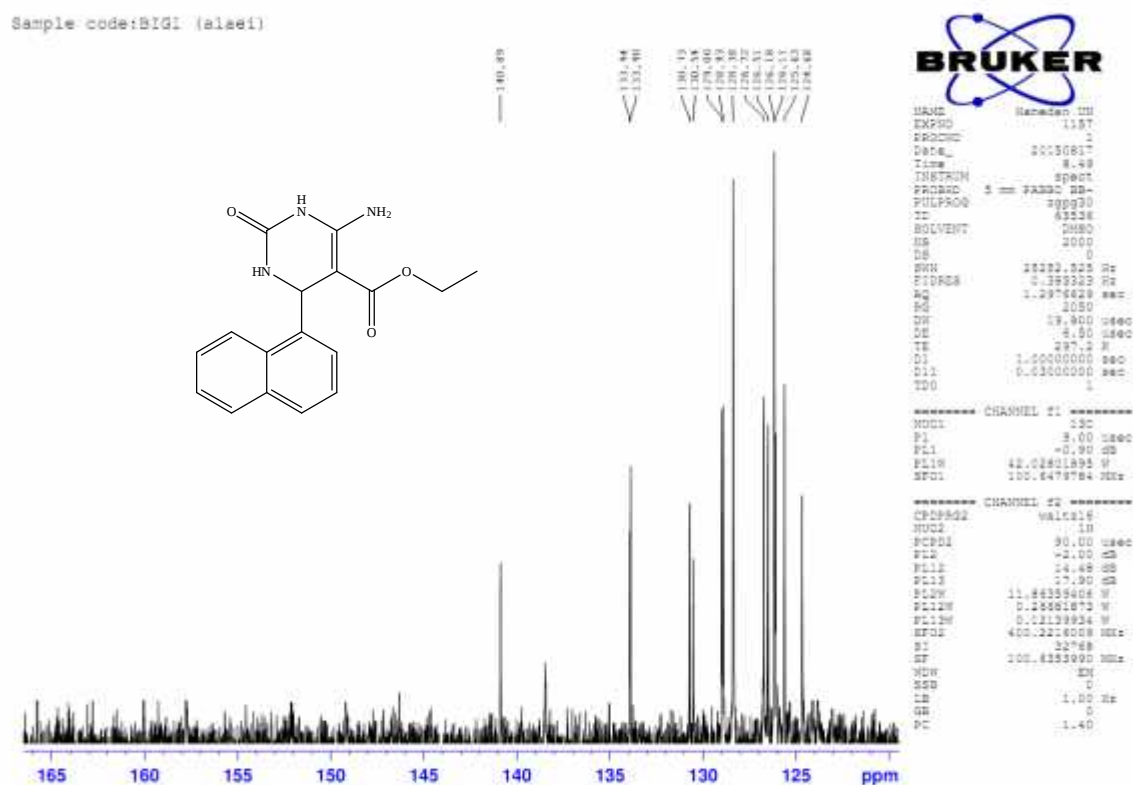


Fig S8. The mass spectrum of *ethyl 6-amino-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 1)

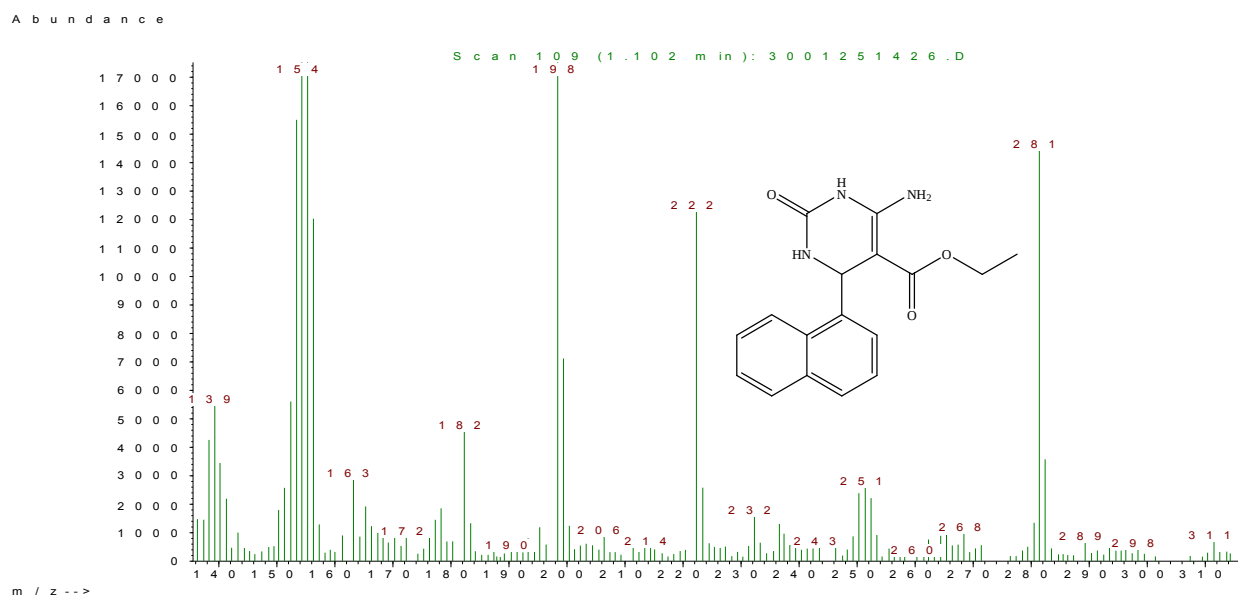


Fig S9. The IR spectrum of 5-acetyl-6-methyl-4-(naphthalen-1-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 2)

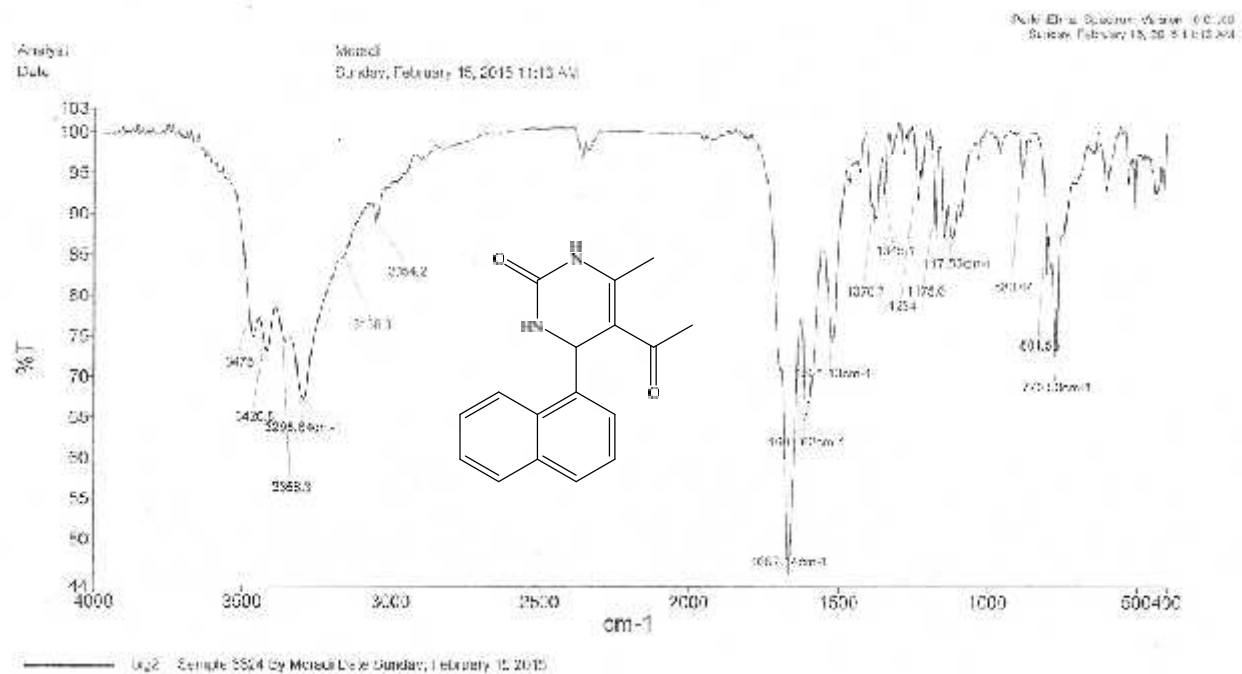


Fig S10. The ^1H NMR spectrum of 5-acetyl-6-methyl-4-(naphthalen-1-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 2)

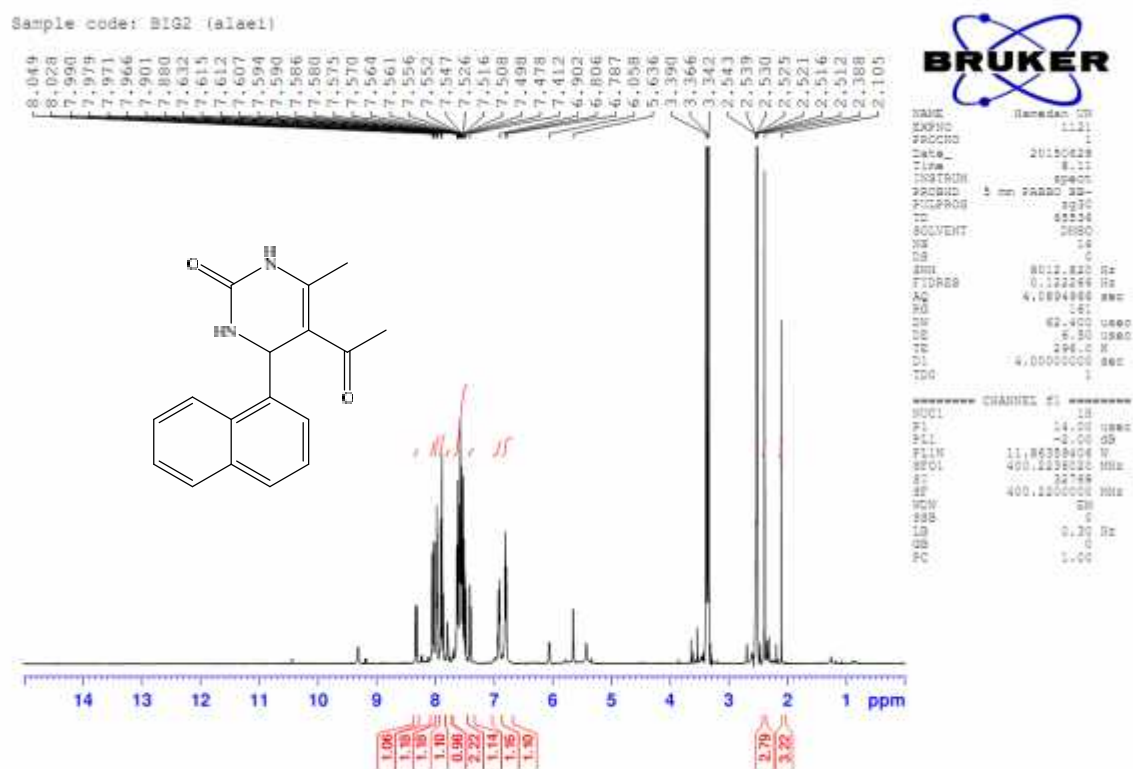


Fig S12 The ^1H NMR spectrum of 5-acetyl-6-methyl-4-(naphthalen-1-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 2)

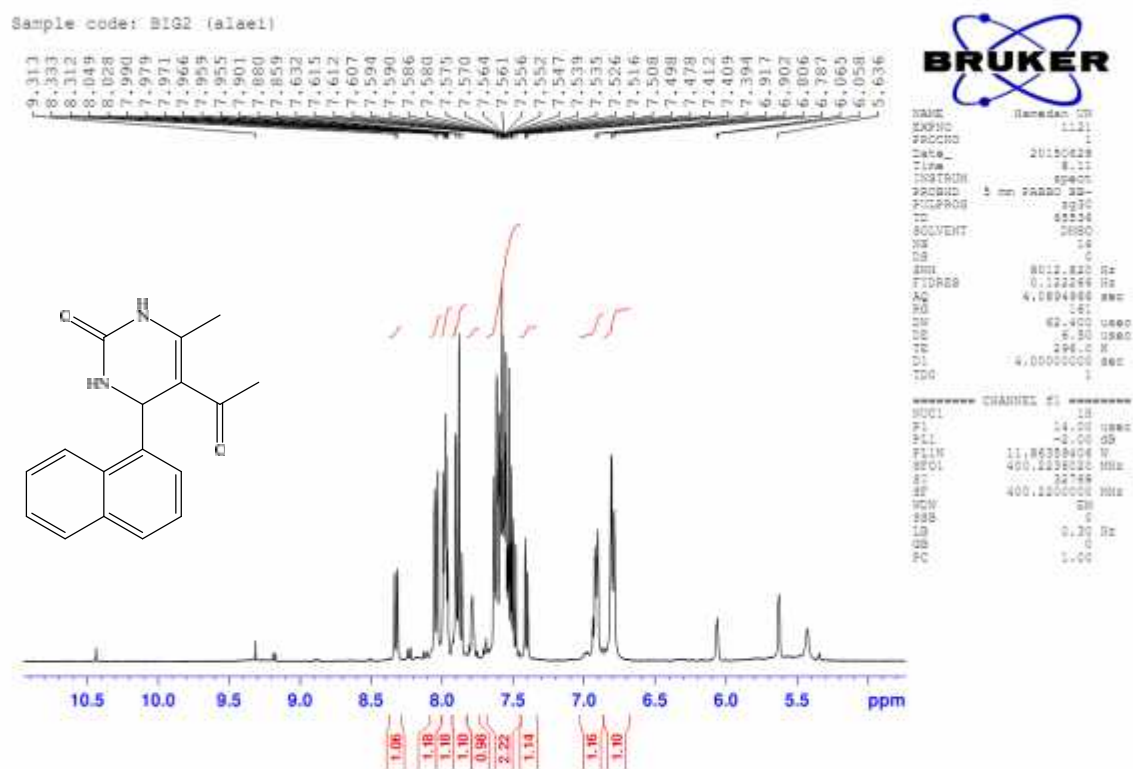


Fig S13. The ^1H NMR spectrum of 5-acetyl-6-methyl-4-(naphthalen-1-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 2)

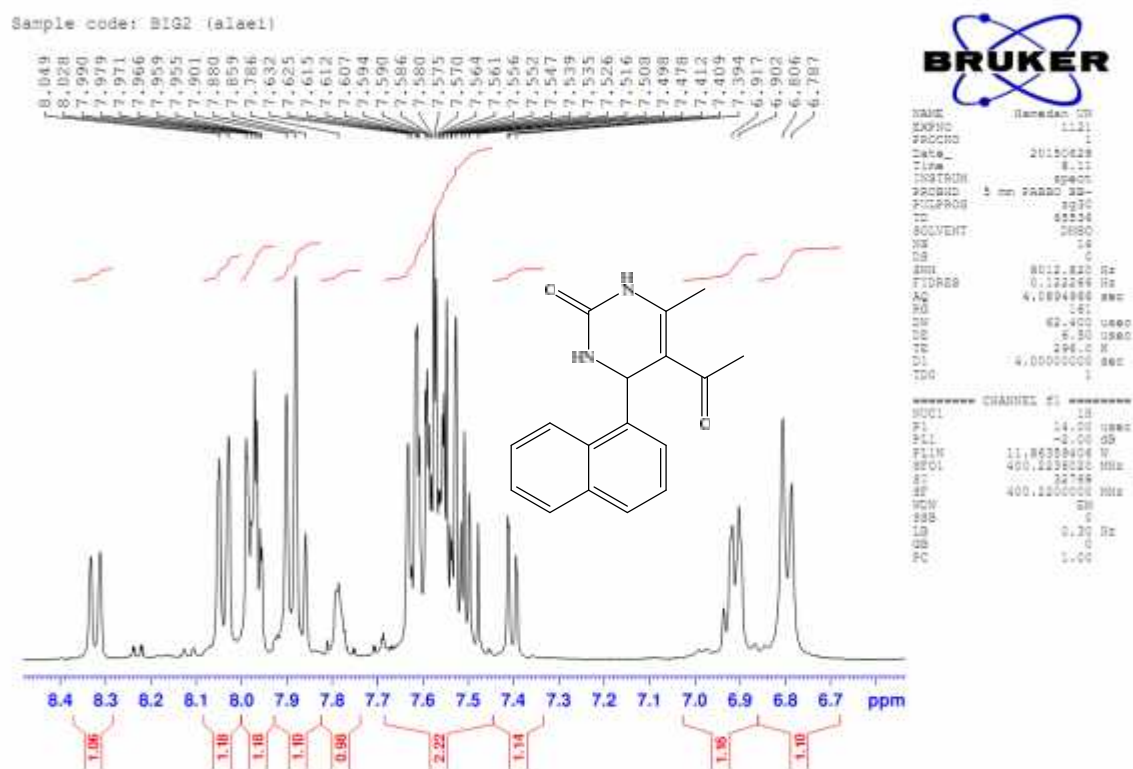


Fig S14. The ^{13}C NMR spectrum of 5-acetyl-6-methyl-4-(naphthalen-1-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 2)

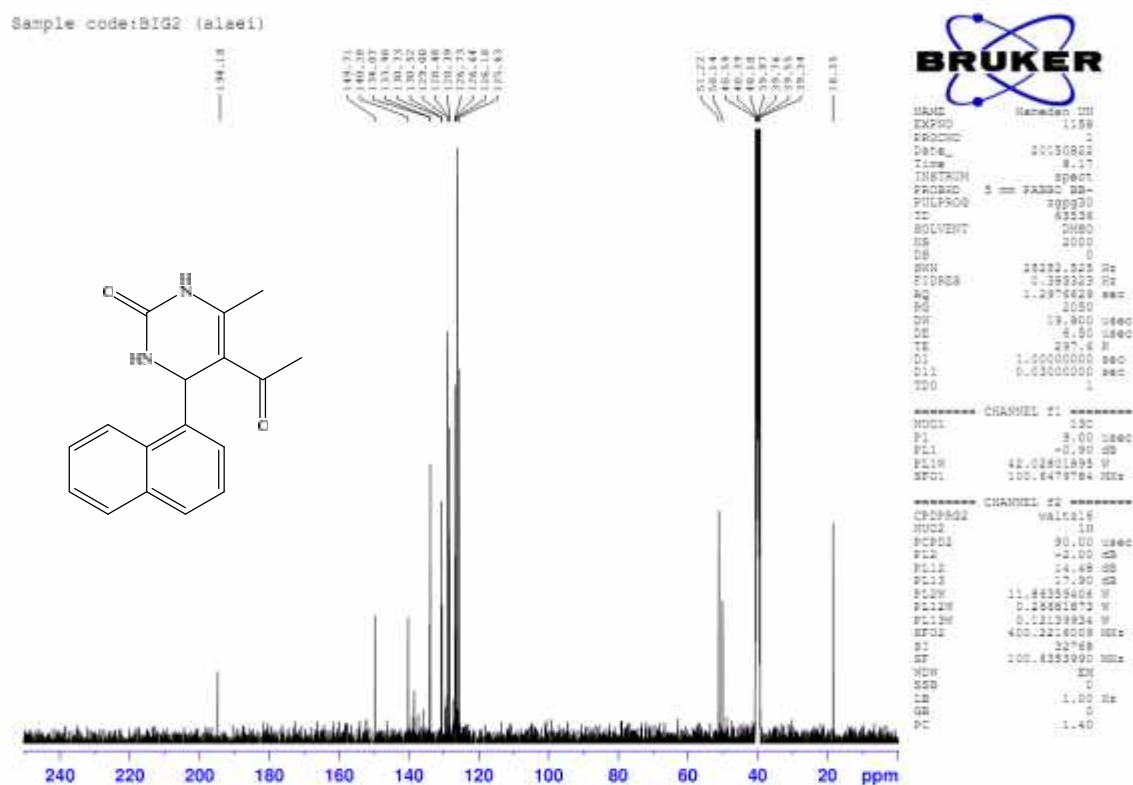


Fig S15. The ^{13}C NMR spectrum of 5-acetyl-6-methyl-4-(naphthalen-1-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 2)

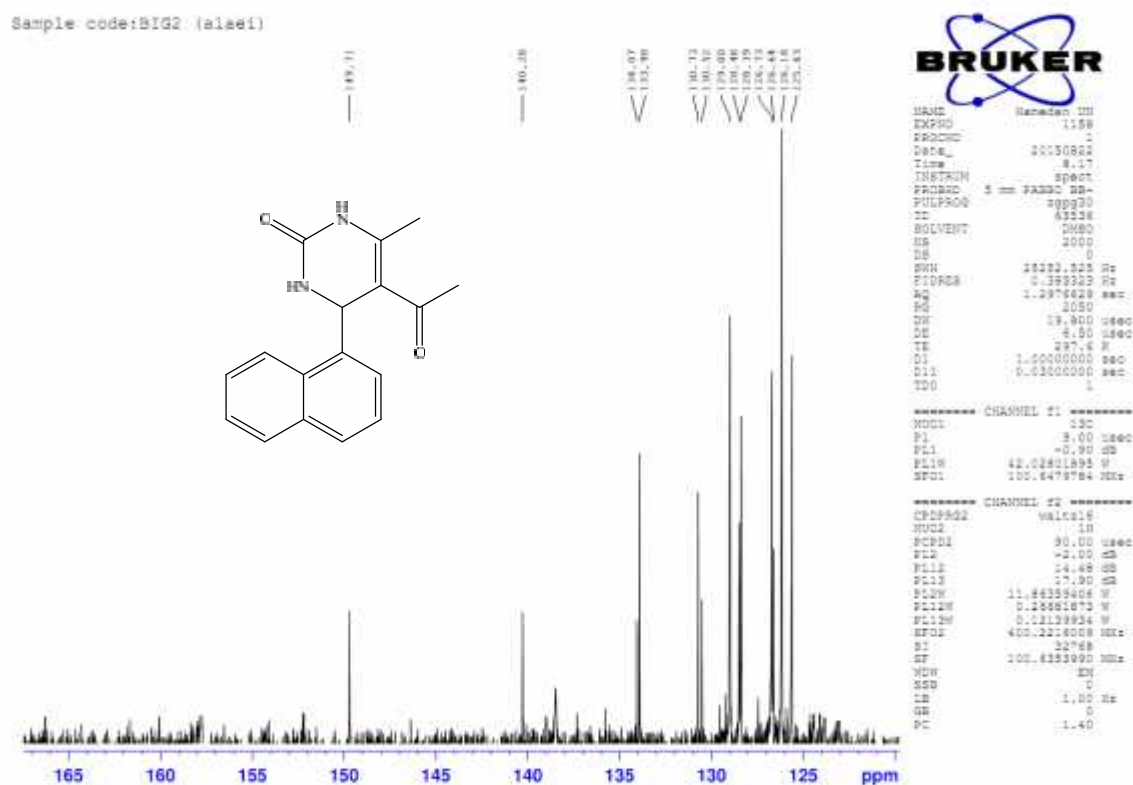


Fig S16. The mass spectrum of 5-acetyl-6-methyl-4-(naphthalen-1-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 2)

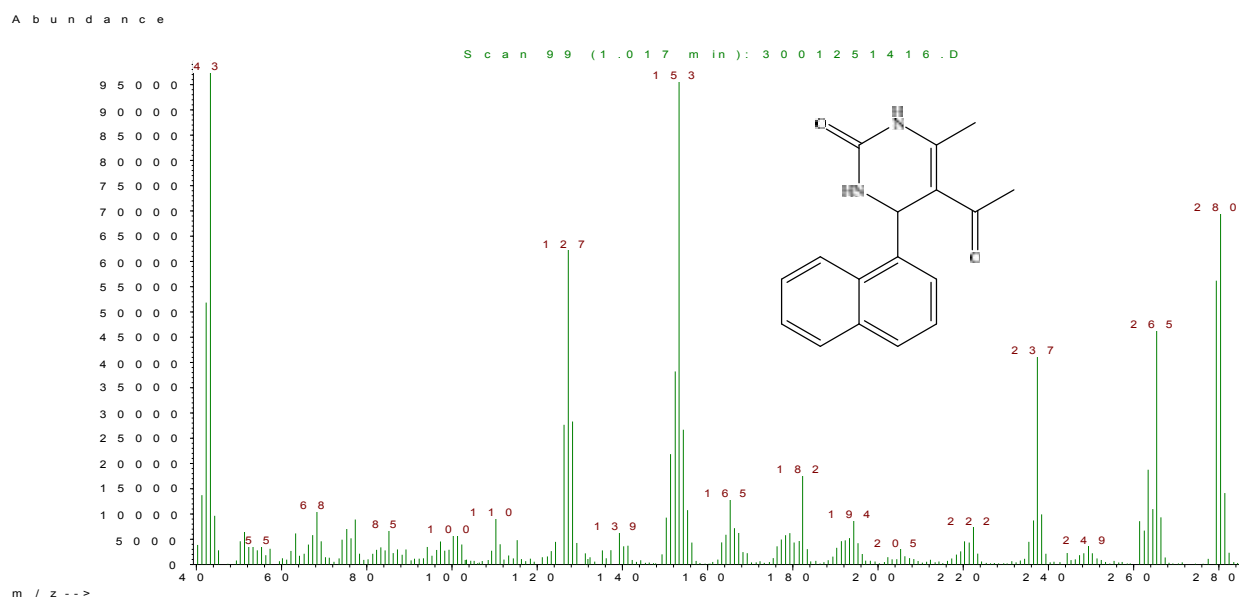


Fig S17. The IR spectrum of *methyl 6-methyl-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 3)

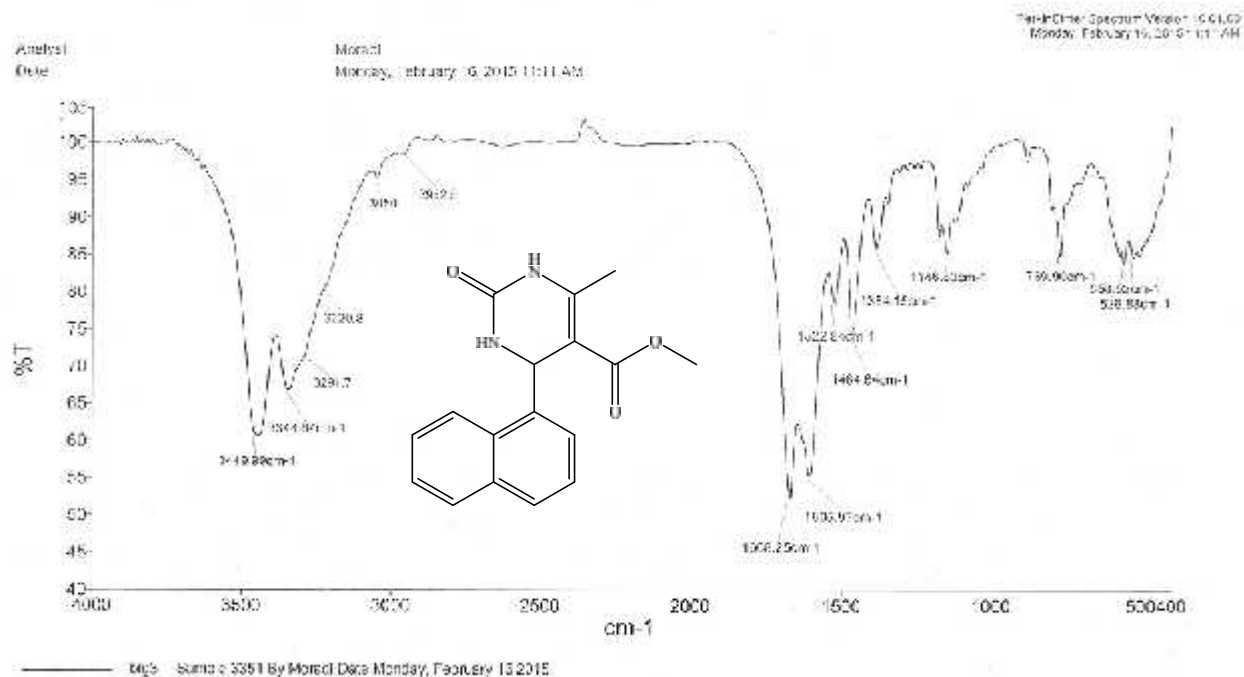


Fig S18. The ^1H NMR spectrum of methyl 6-methyl-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 3)

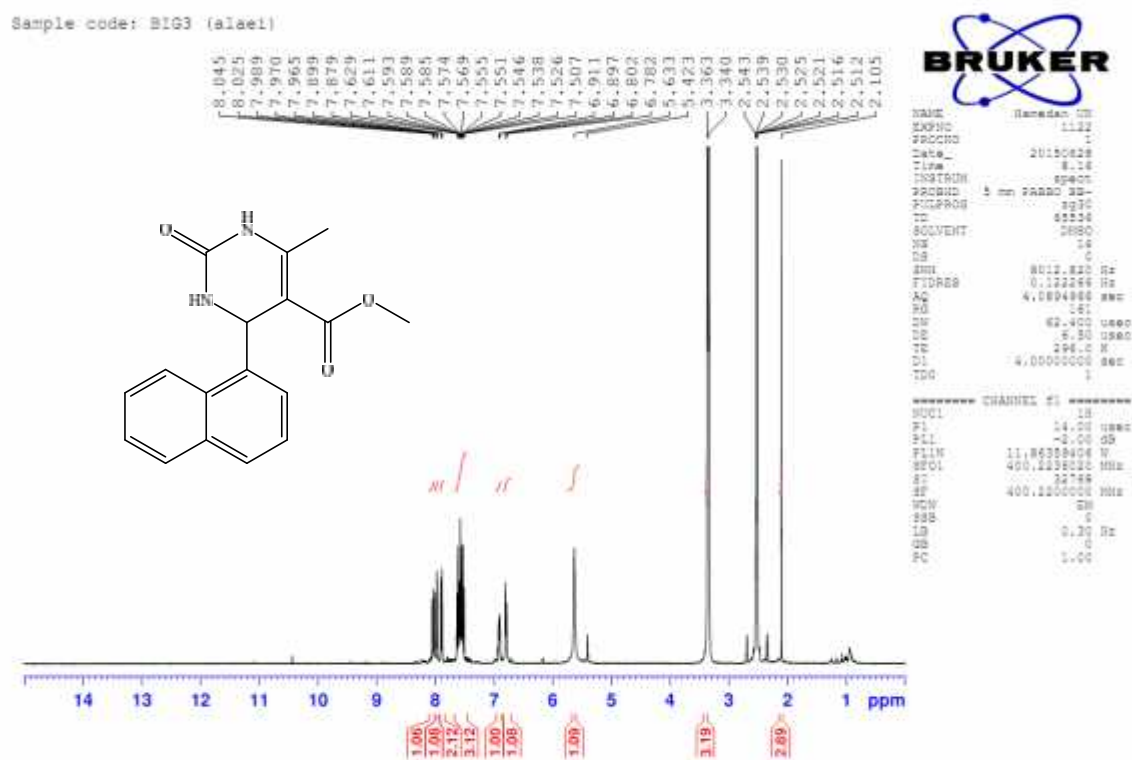


Fig S19. The ^1H NMR spectrum of methyl 6-methyl-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 3)

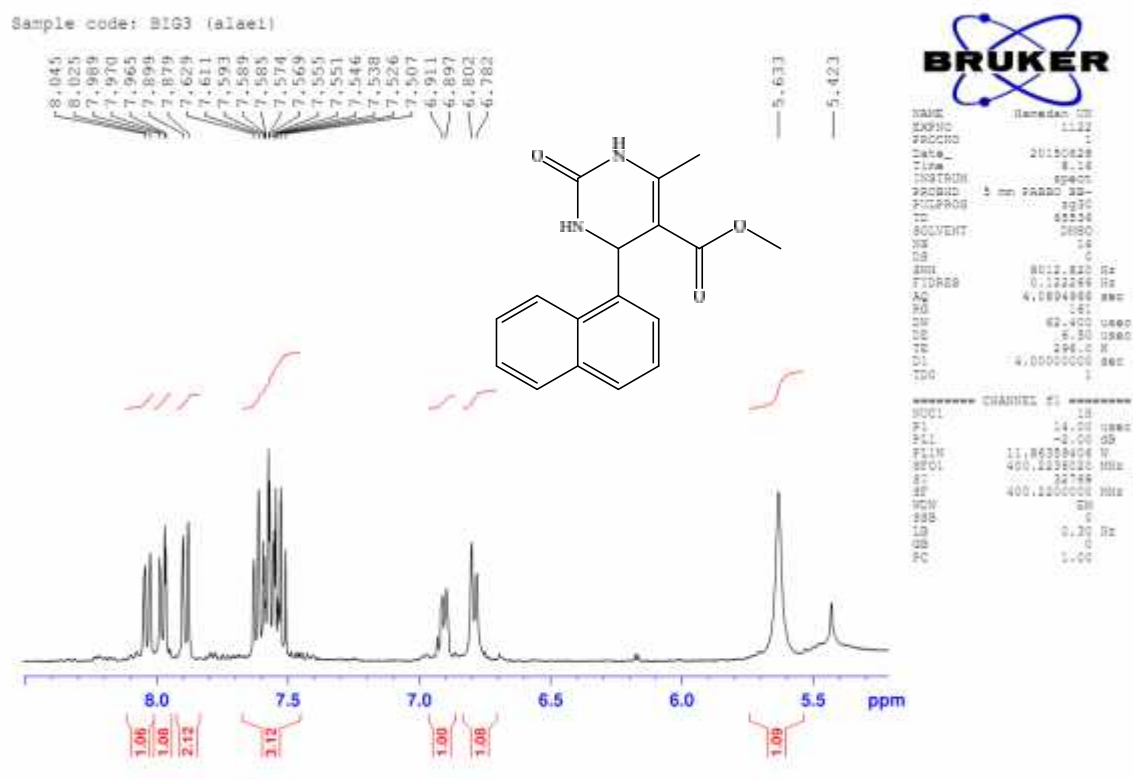


Fig S20 The ^1H NMR spectrum of 5-acetyl-6-methyl-4-(naphthalen-1-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 2)

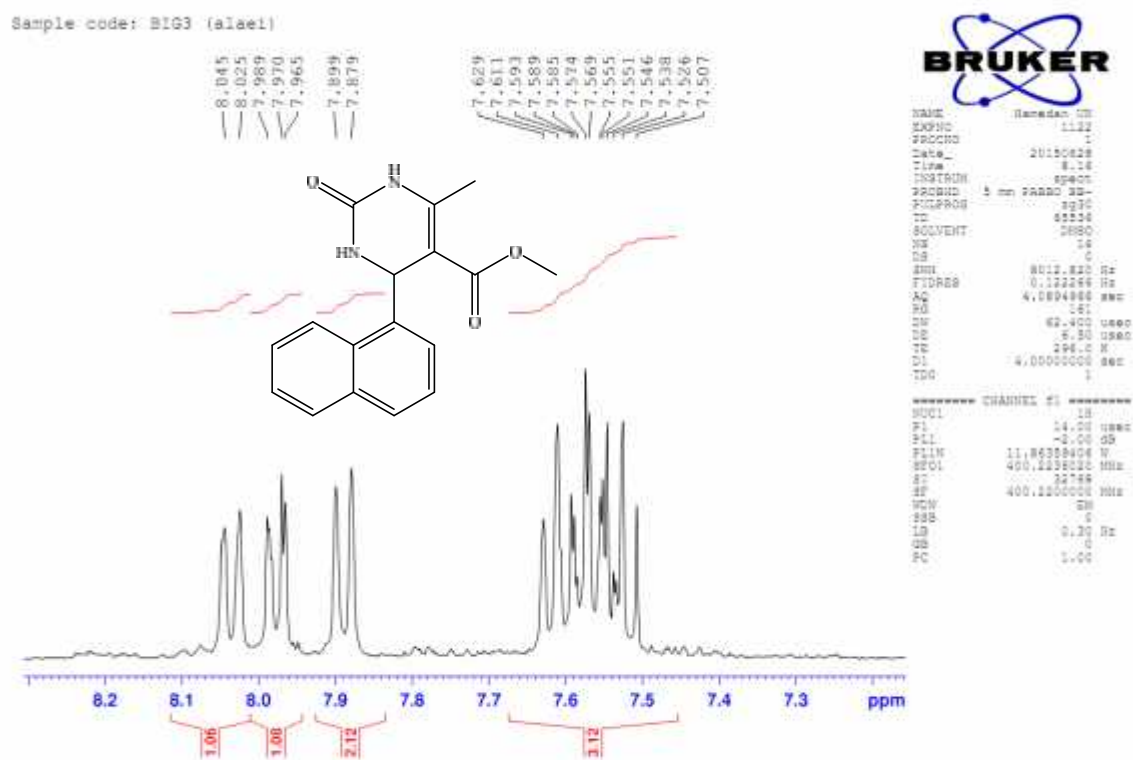


Fig S21. The ^{13}C NMR spectrum of methyl 6-methyl-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 3)

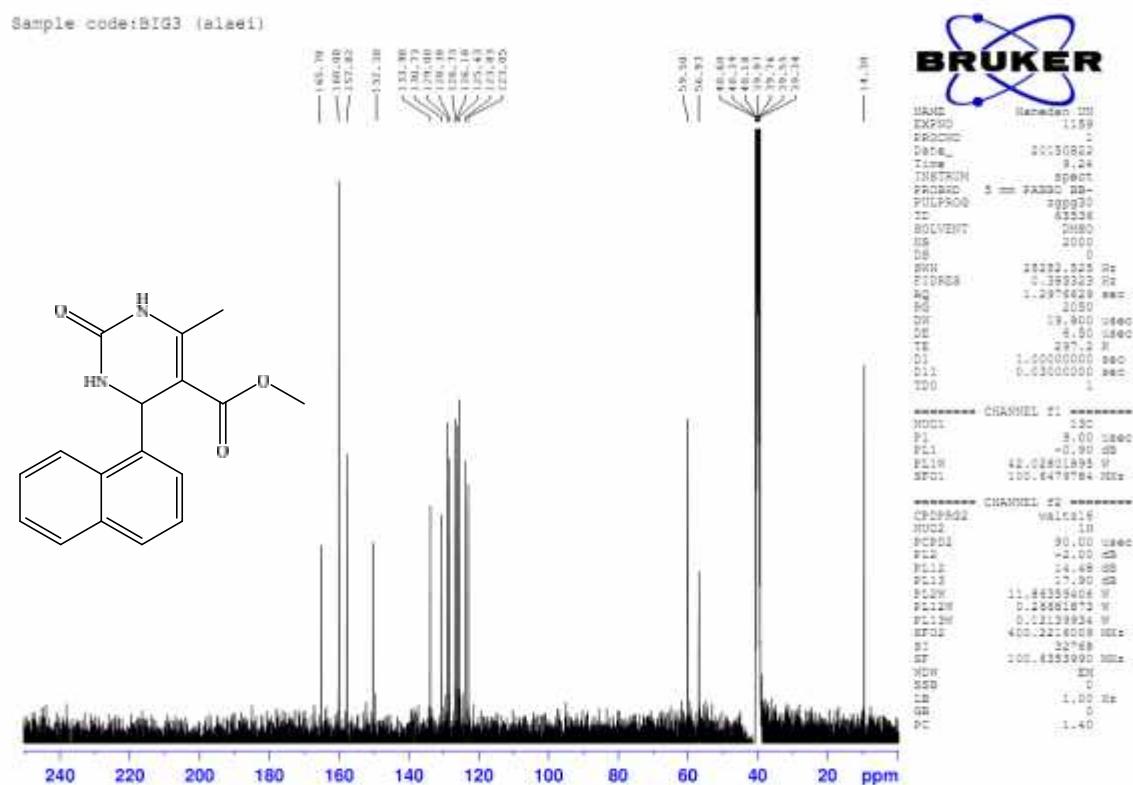


Fig S22. The ^{13}C NMR spectrum of methyl 6-methyl-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 3)

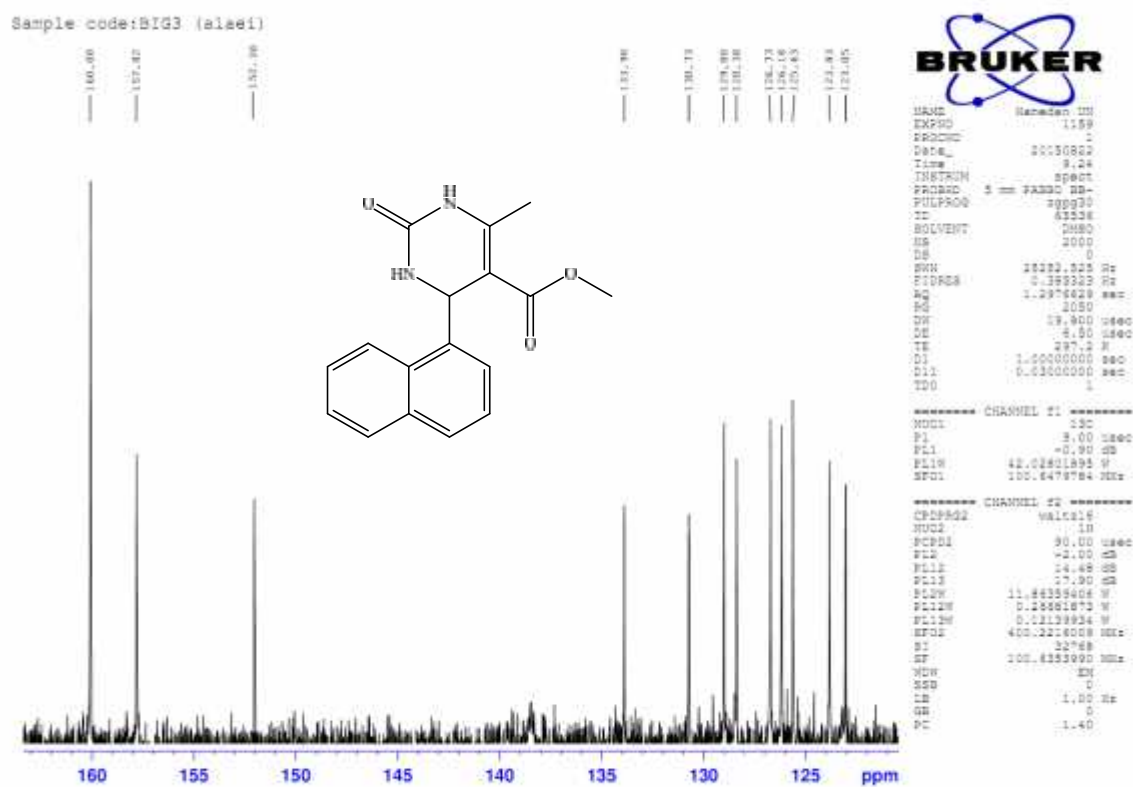


Fig S23. The mass spectrum of *methyl 6-methyl-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 3)

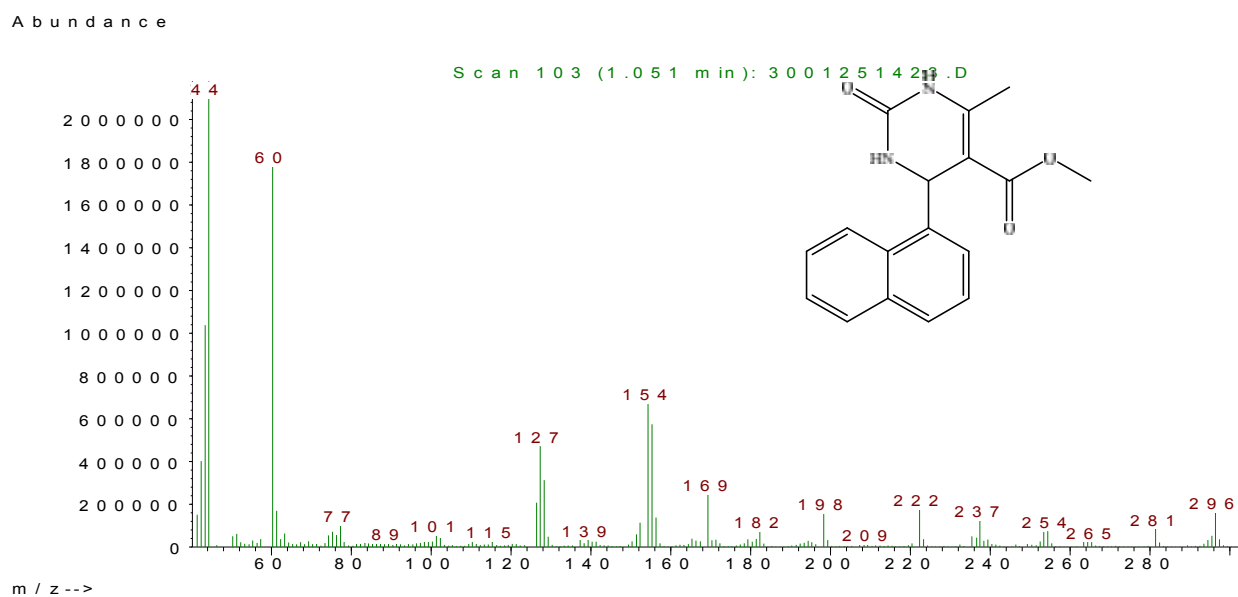


Fig S24. The IR spectrum of *ethyl 6-methyl-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 4)

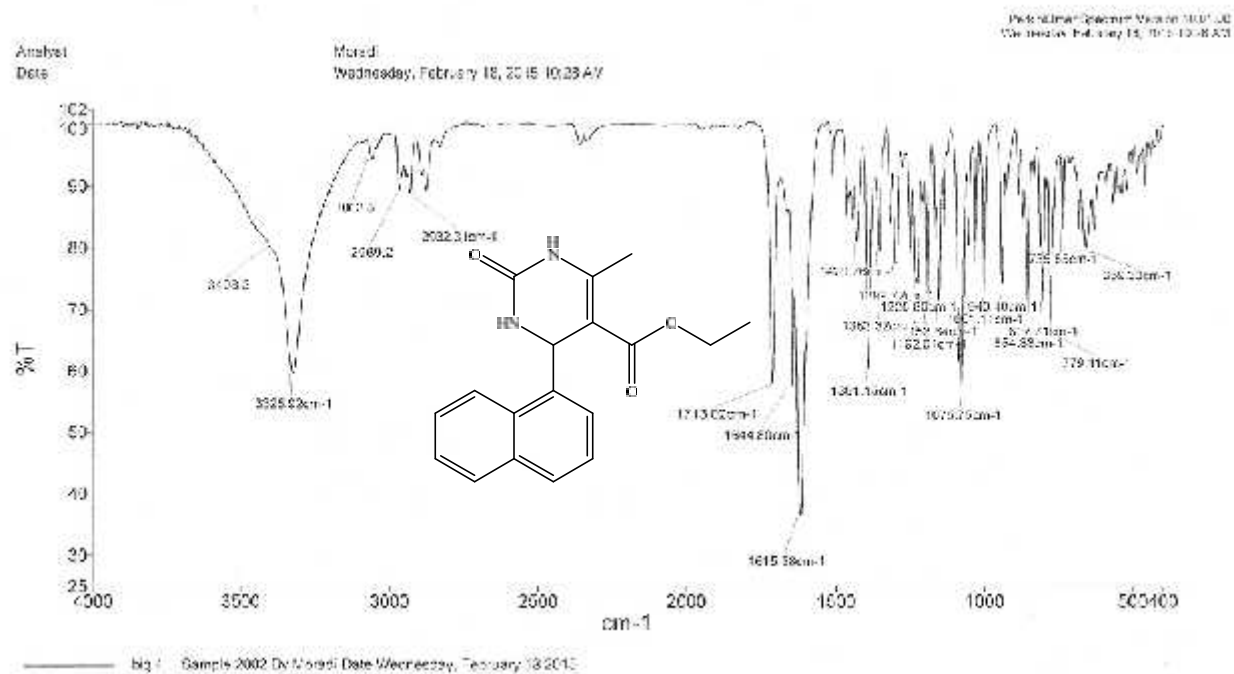


Fig S25. The ^1H NMR spectrum of *ethyl 6-methyl-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 4)

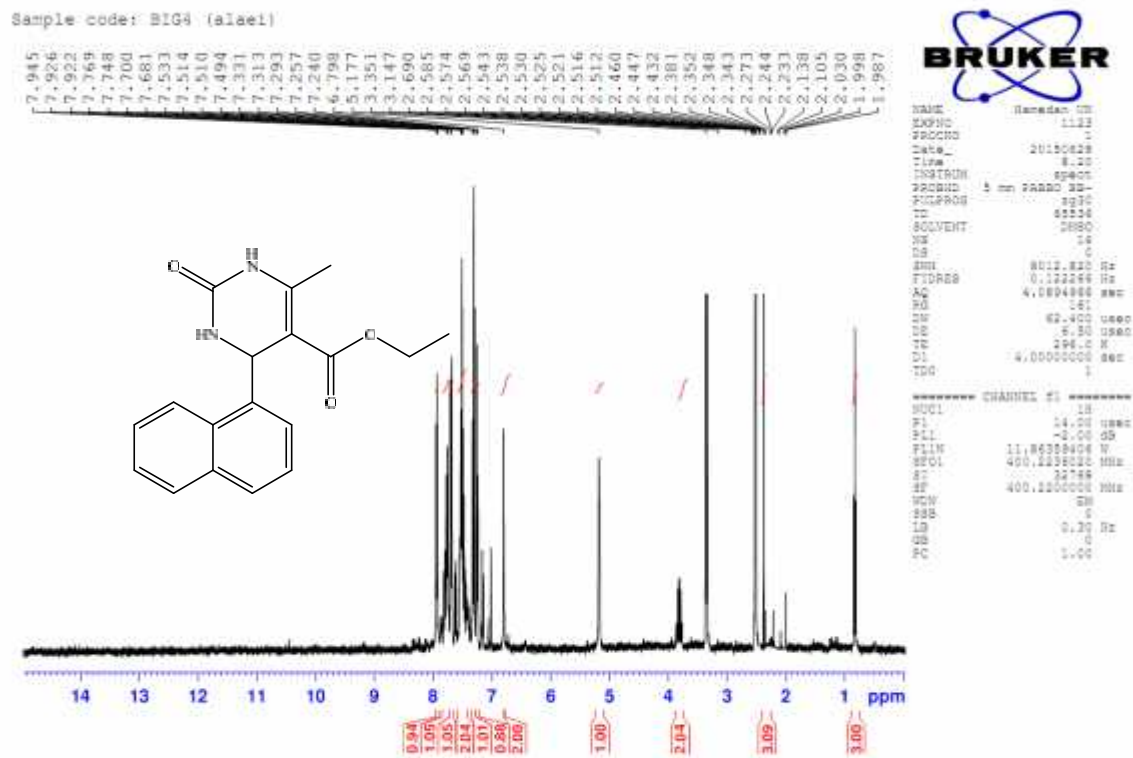


Fig S26. The ^1H NMR spectrum of *ethyl 6-methyl-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 4)

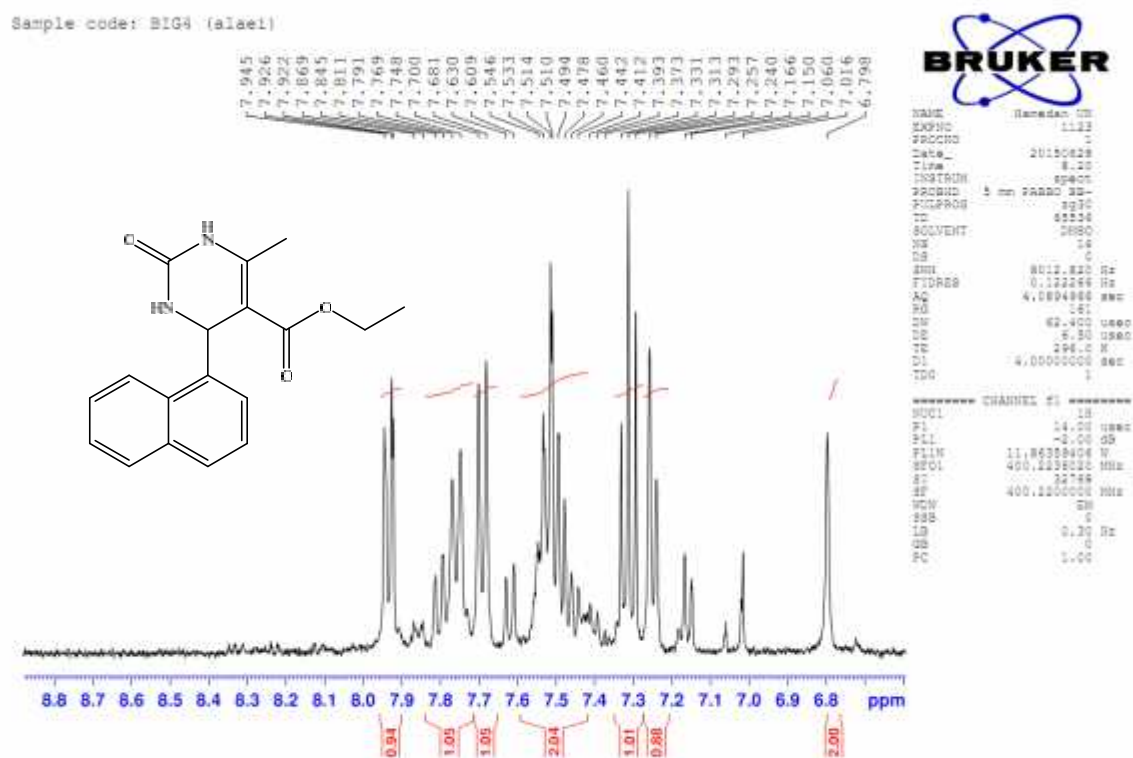


Fig S27. The ^{13}C NMR spectrum of *ethyl 6-methyl-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 4)

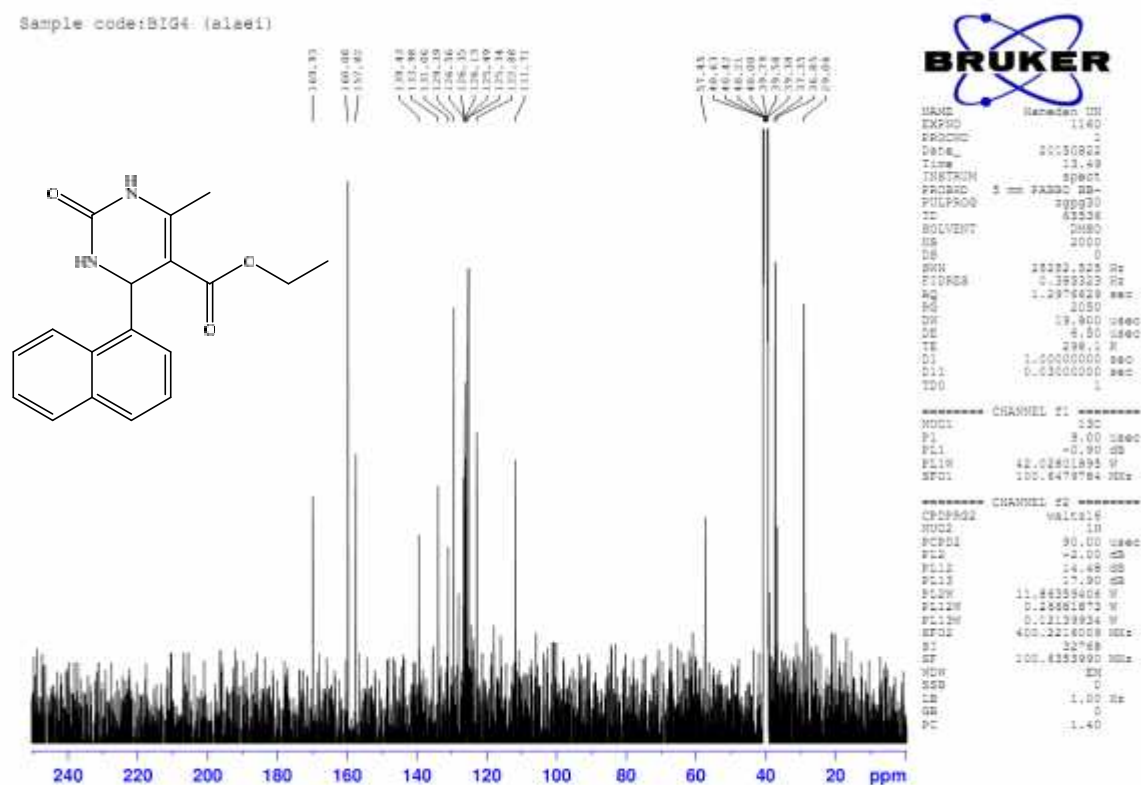


Fig S28. The ^{13}C NMR spectrum of *ethyl 6-methyl-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 4)

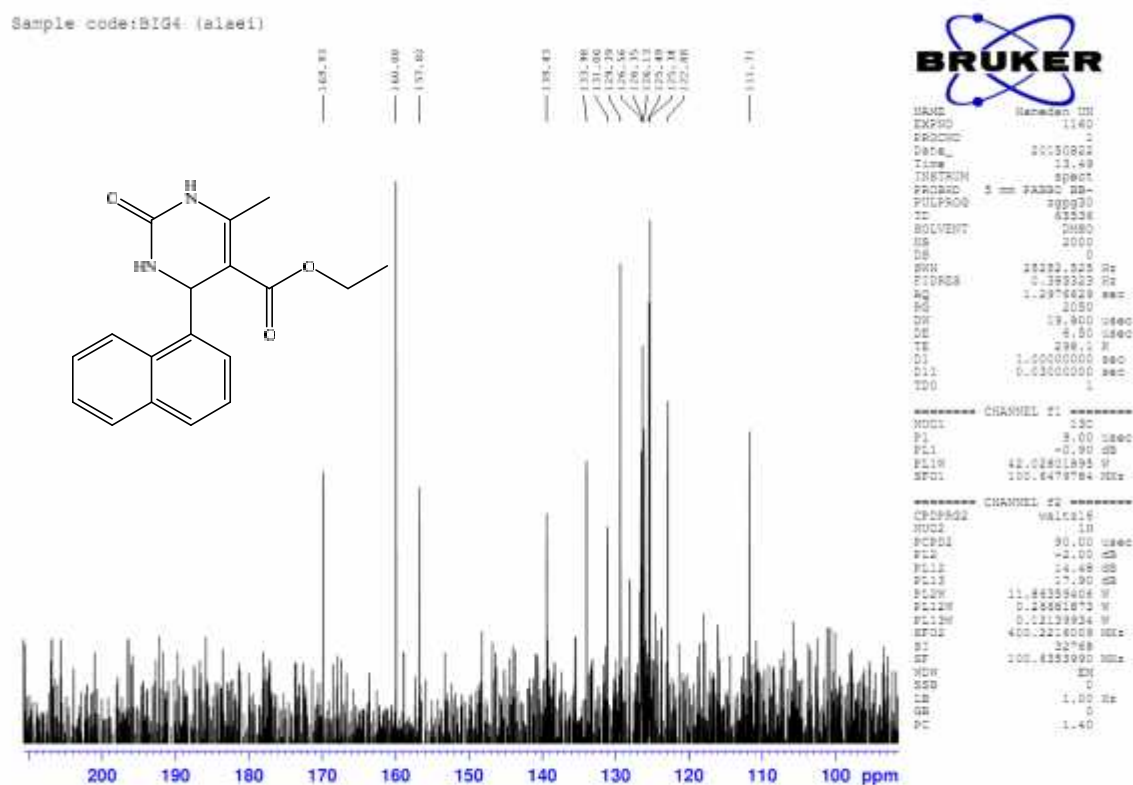


Fig S29. The mass spectrum of *ethyl 6-methyl-4-(naphthalen-1-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 4)

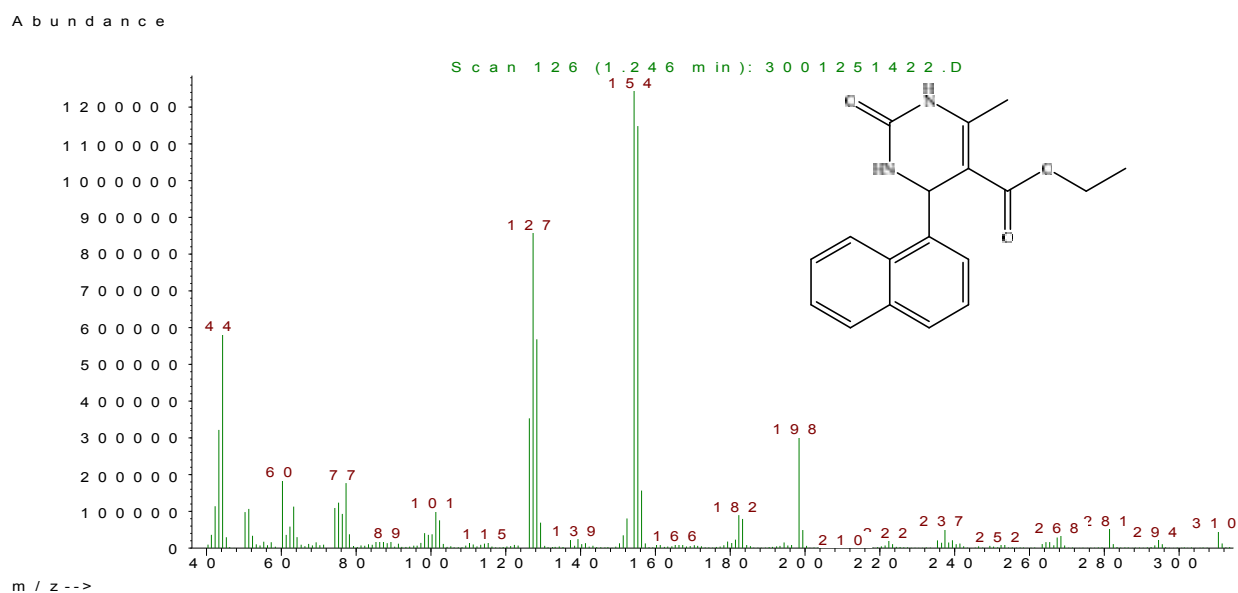


Fig S30. The IR spectrum of 7,7-dimethyl-4-(naphthalen-1-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 5)

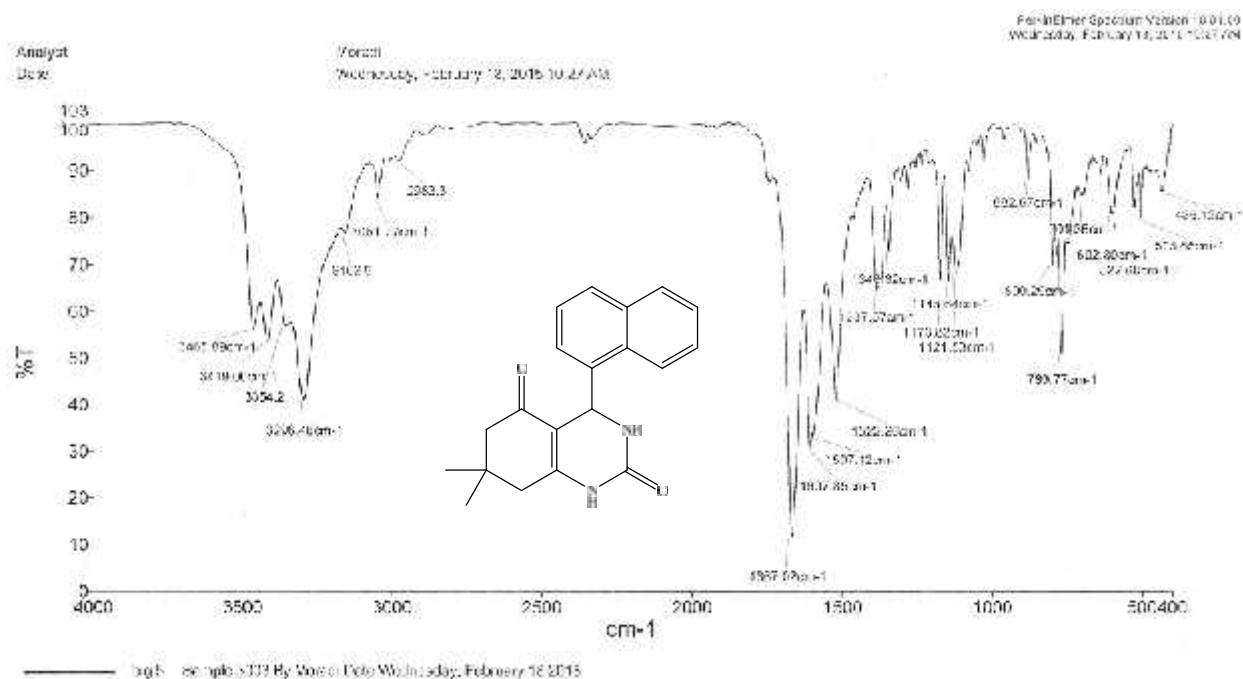


Fig S31. The ^1H NMR spectrum of 7,7-dimethyl-4-(naphthalen-1-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 5)

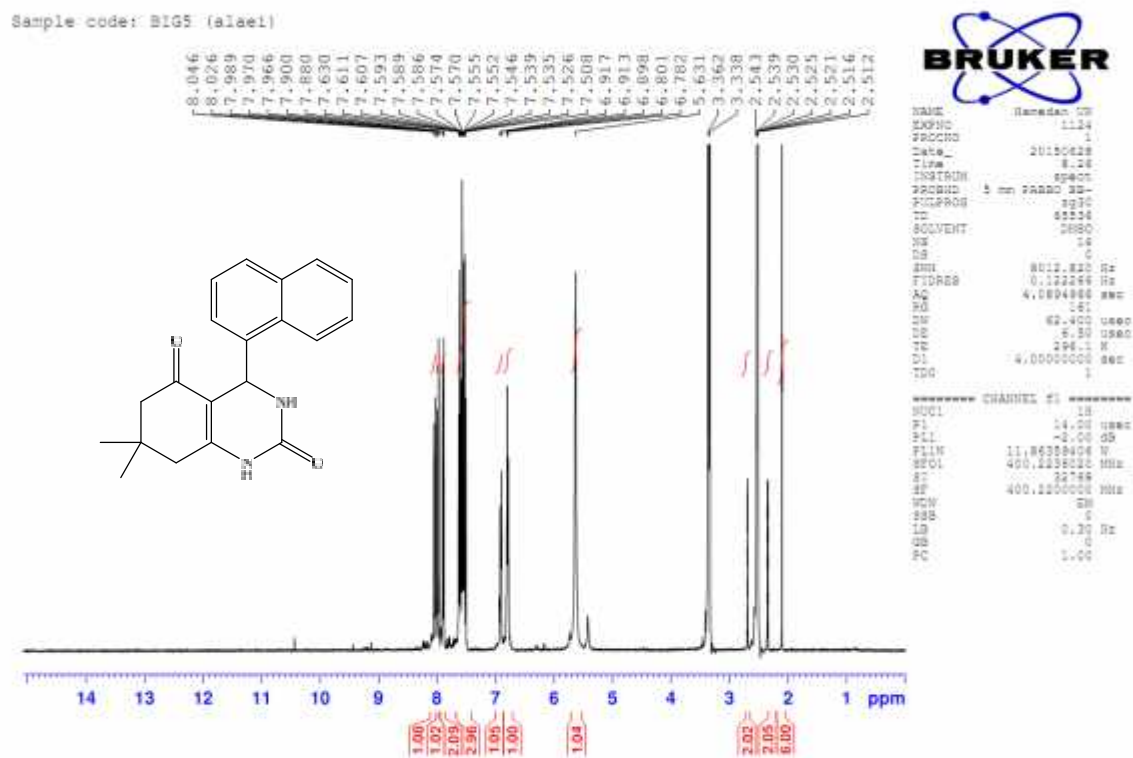


Fig S32. The ^1H NMR spectrum of 7,7-dimethyl-4-(naphthalen-1-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 5)

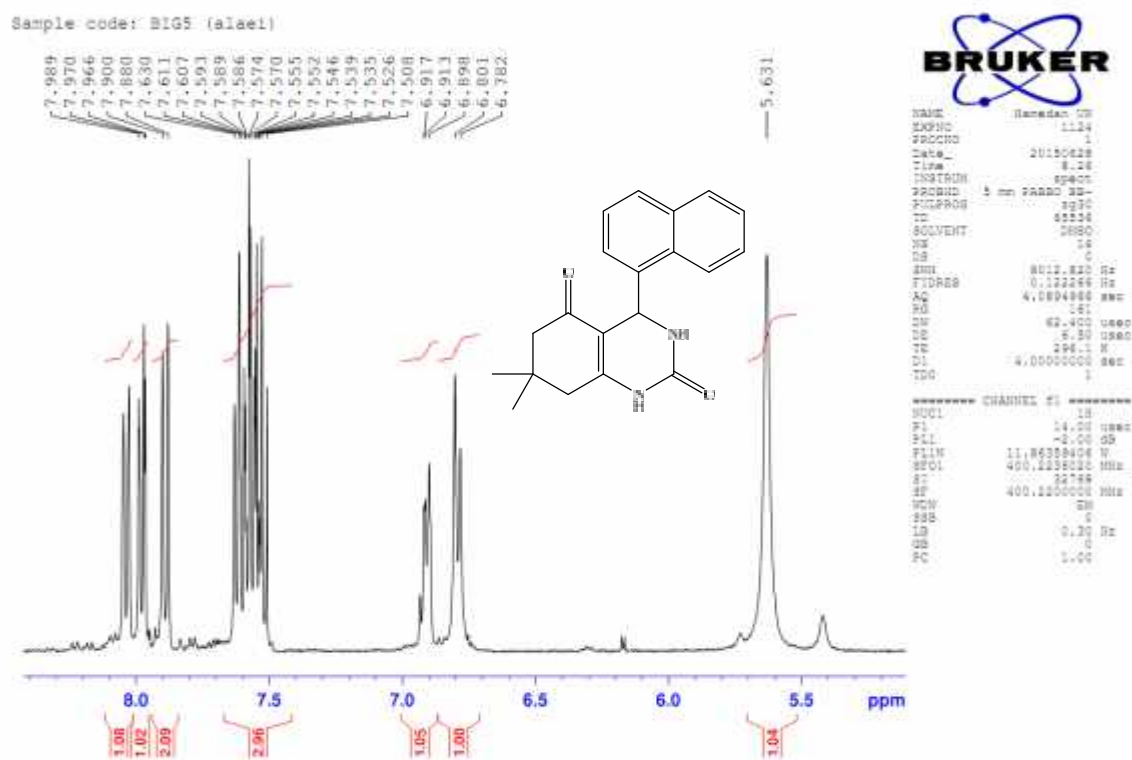


Fig S34. The ^{13}C NMR spectrum of 7,7-dimethyl-4-(naphthalen-1-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 5)

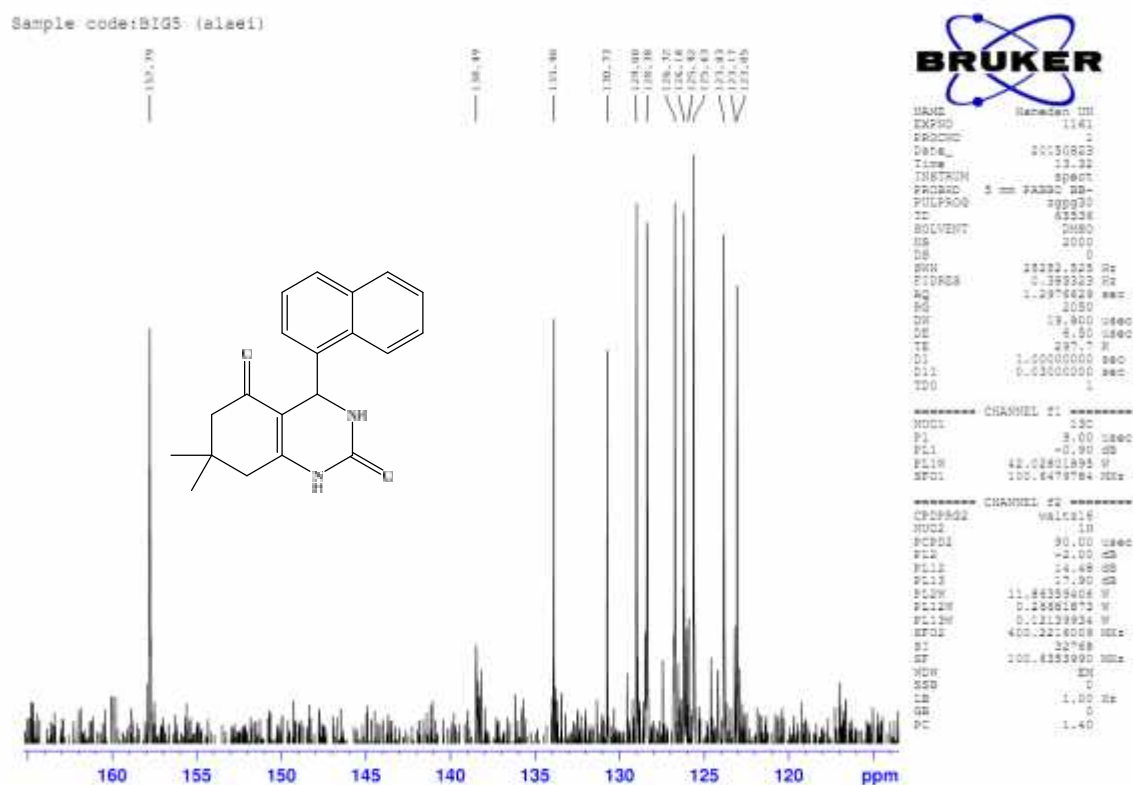


Fig S35. The mass spectrum of 7,7-dimethyl-4-(naphthalen-1-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 5)

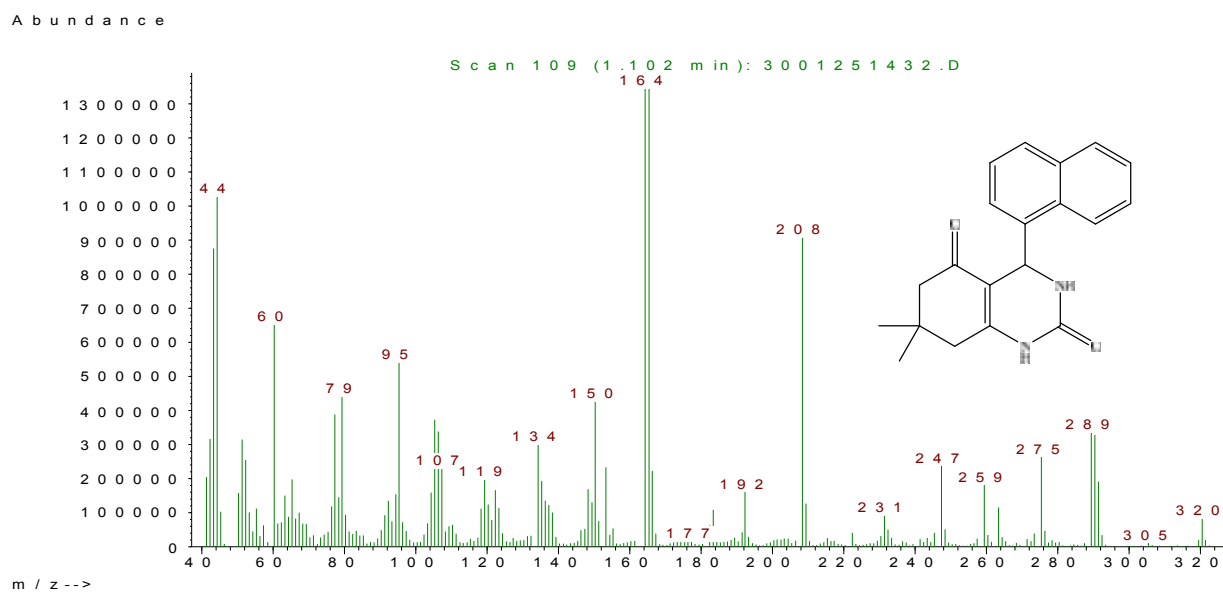


Fig S36. The IR spectrum of 4-(naphthalen-1-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 6)

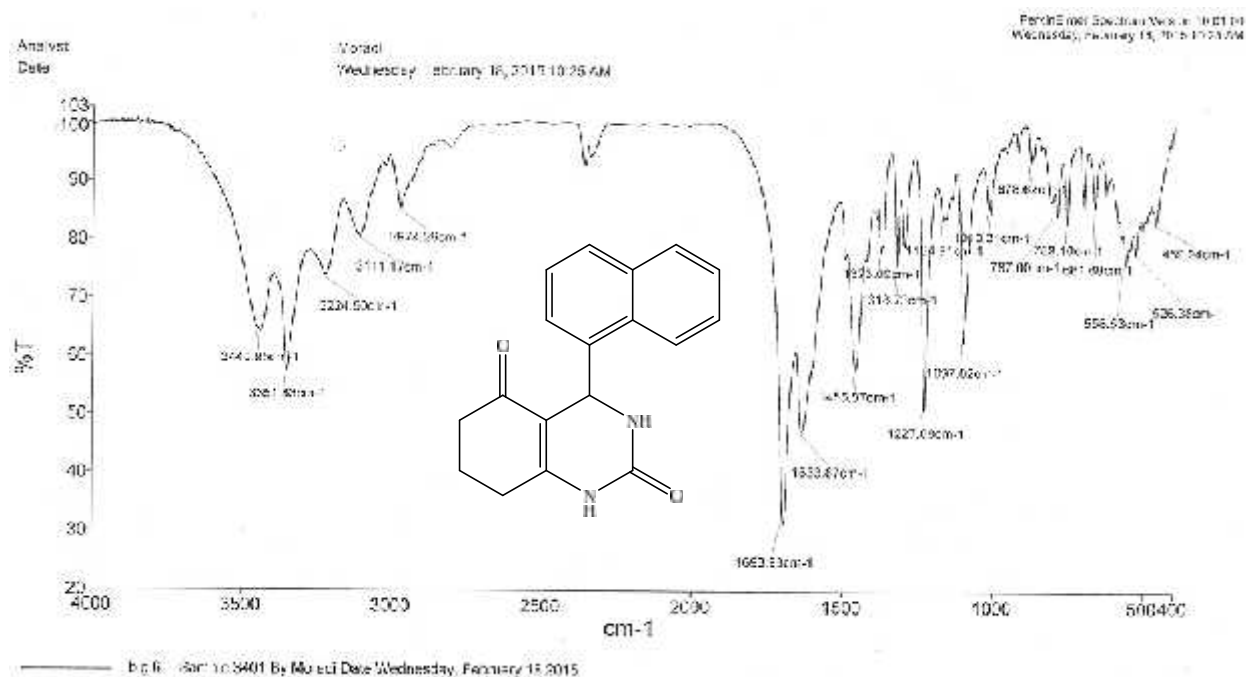


Fig S37. The ¹H NMR spectrum of 4-(naphthalen-1-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 6)

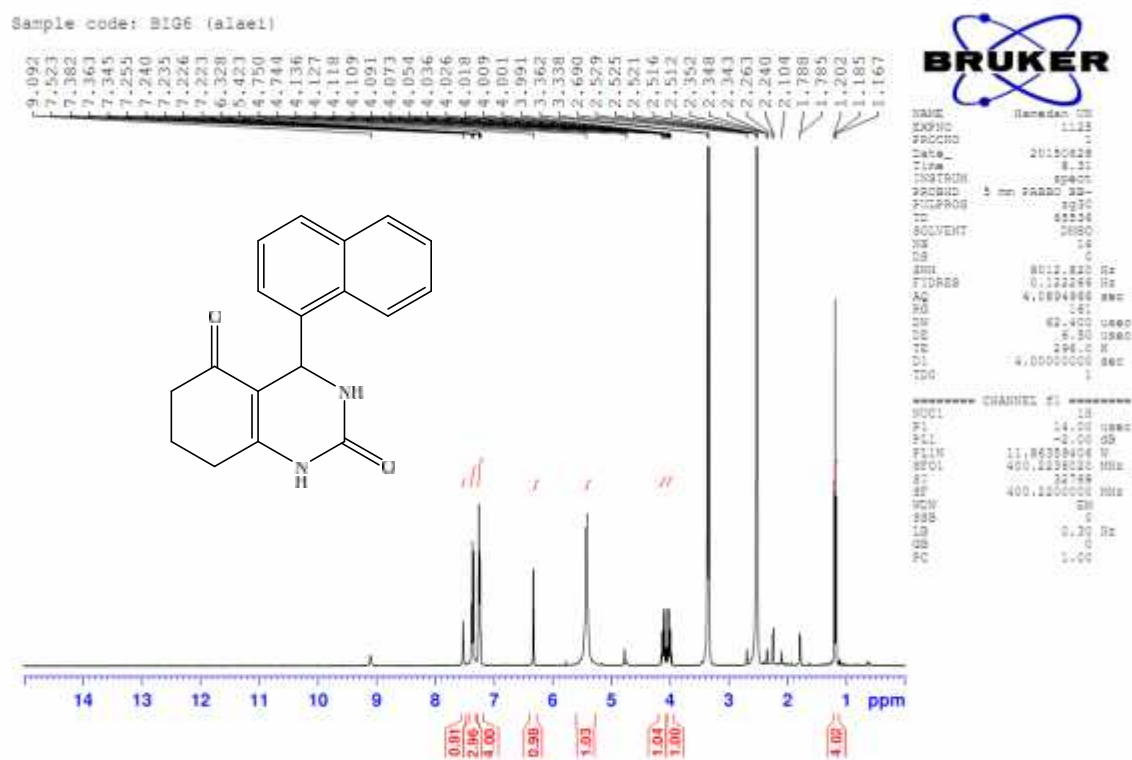


Fig S38. The ¹H NMR spectrum of 4-(naphthalen-1-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 6)

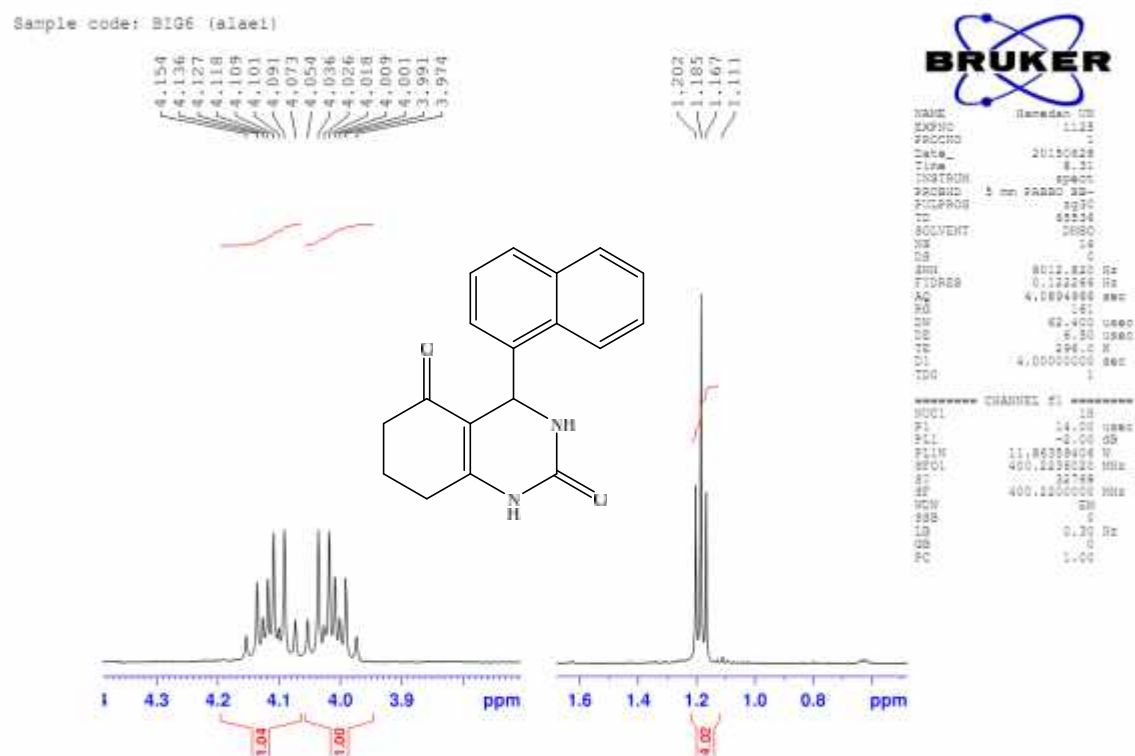


Fig S39. The ^1H NMR spectrum of 4-(naphthalen-1-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 6)

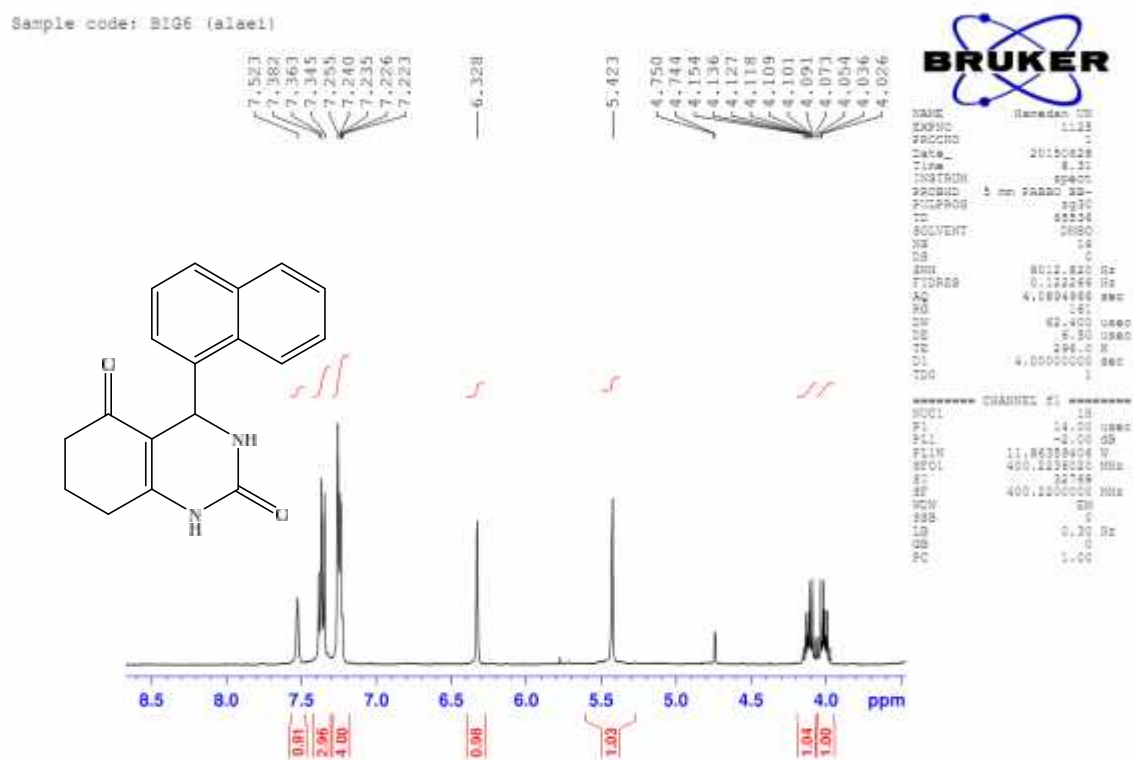


Fig S40. The ^{13}C NMR spectrum of 4-(naphthalen-1-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 6)

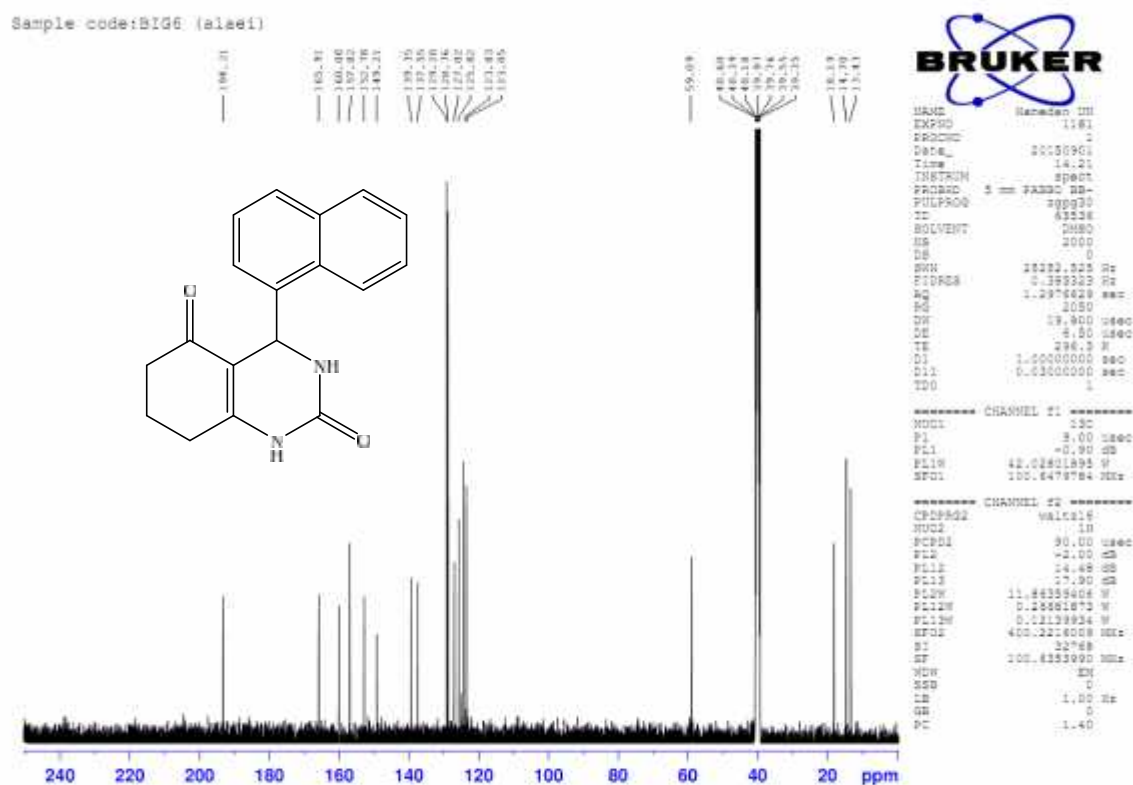


Fig S41. The ^{13}C NMR spectrum of 4-(naphthalen-1-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 6)

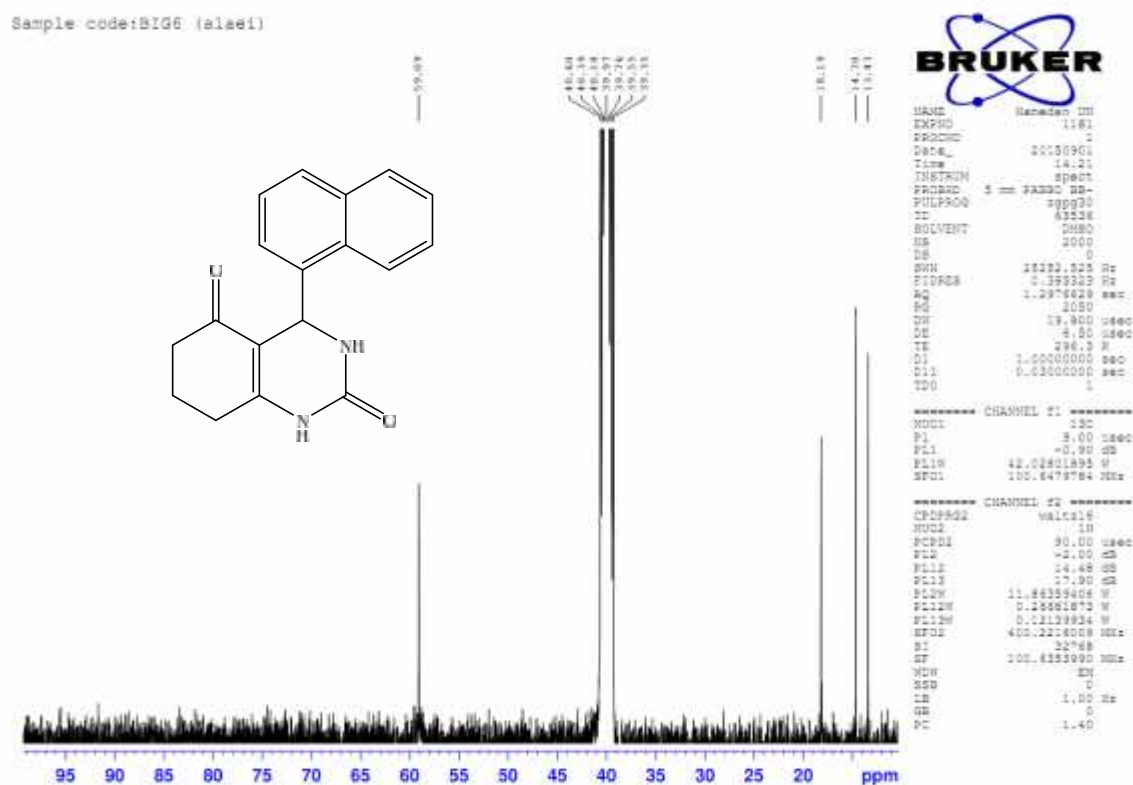


Fig S42. The ^{13}C NMR spectrum of 4-(naphthalen-1-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 6)

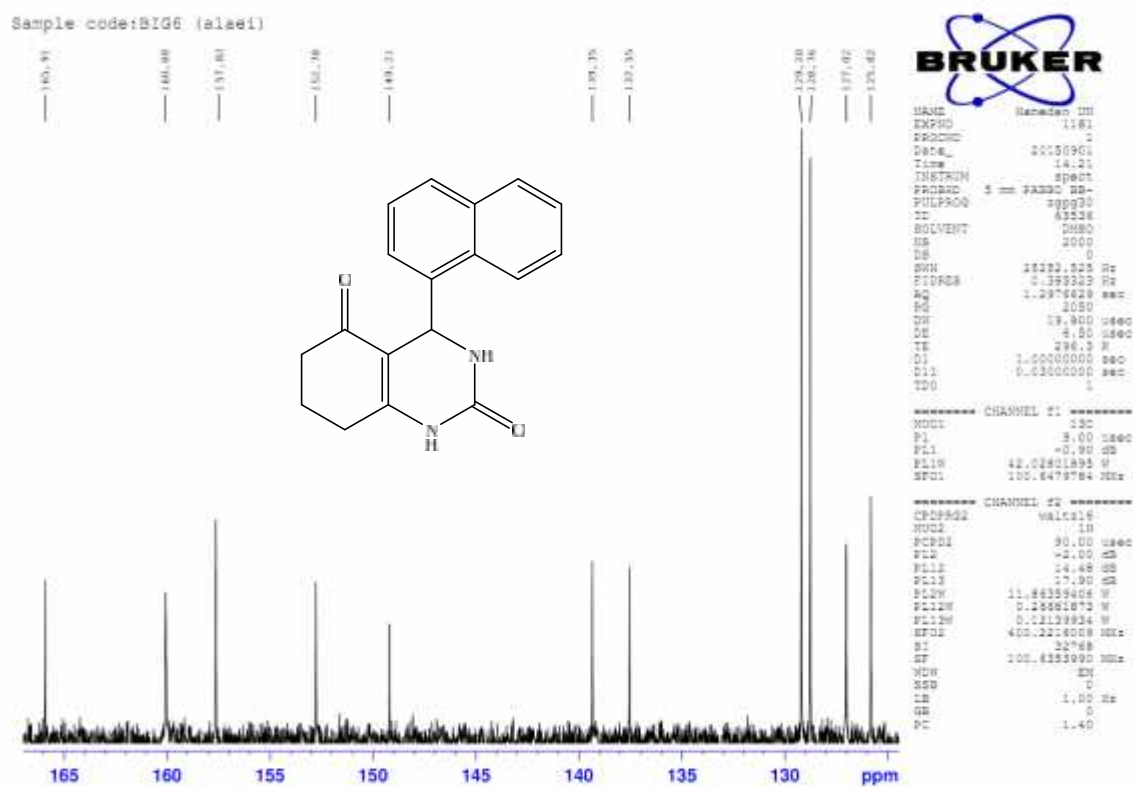


Fig S43. The mass spectrum of 4-(naphthalen-1-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 6)

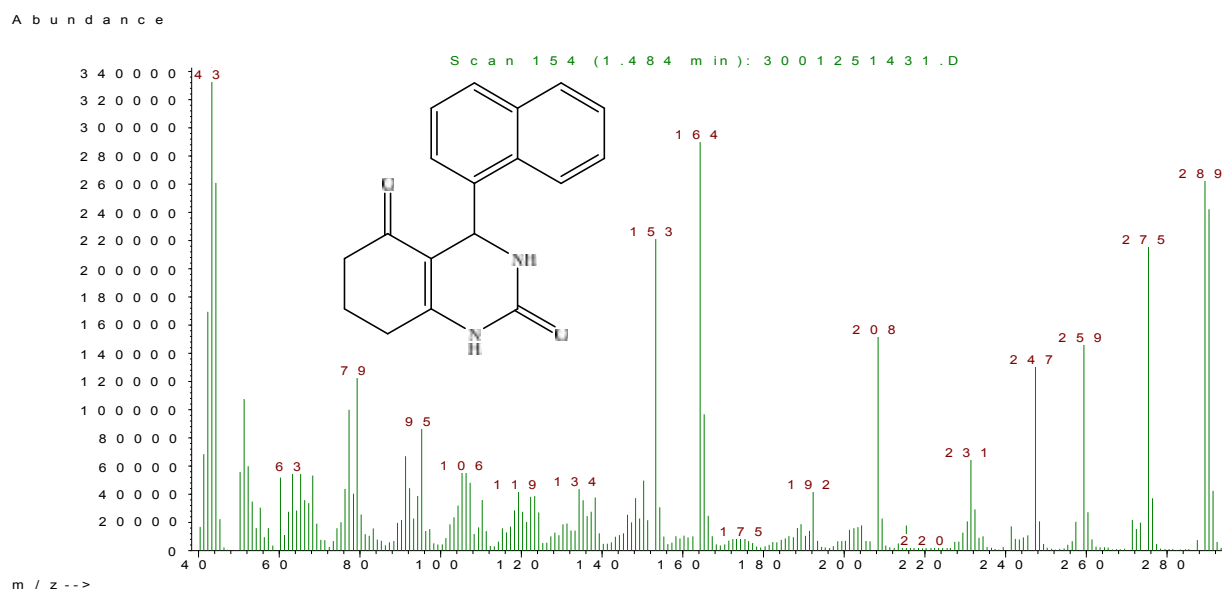


Fig S44. The IR spectrum of *ethyl -6-amino-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 7)

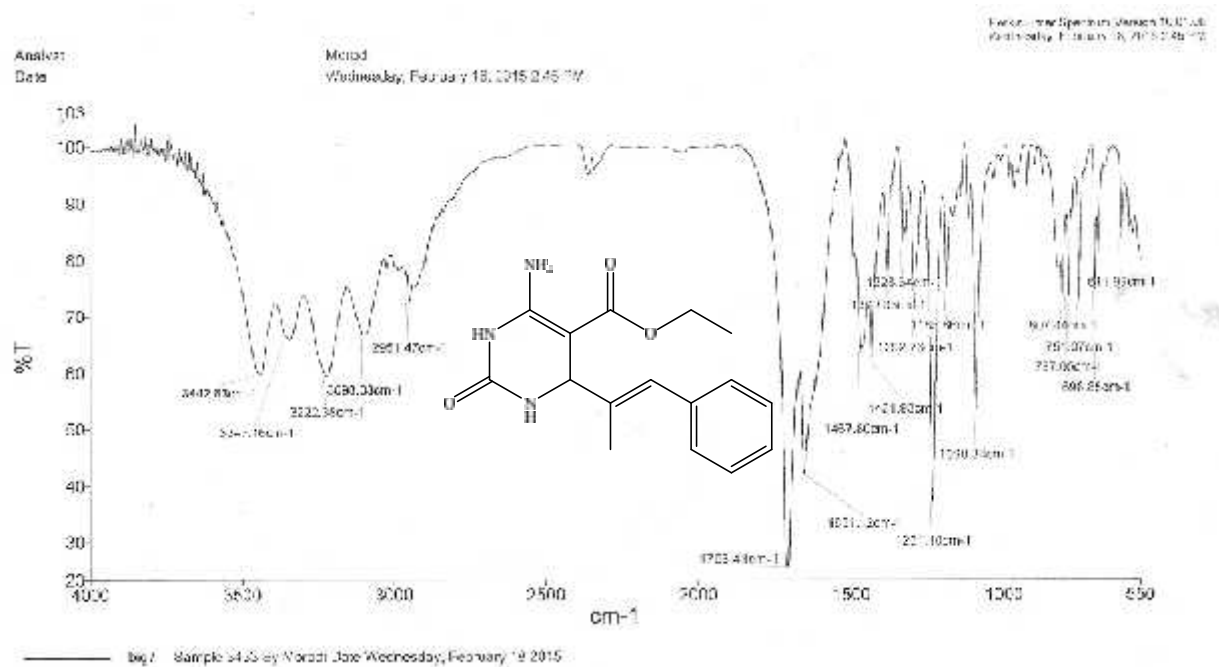


Fig S45. The ^1H NMR spectrum of ethyl -6-amino-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 7)

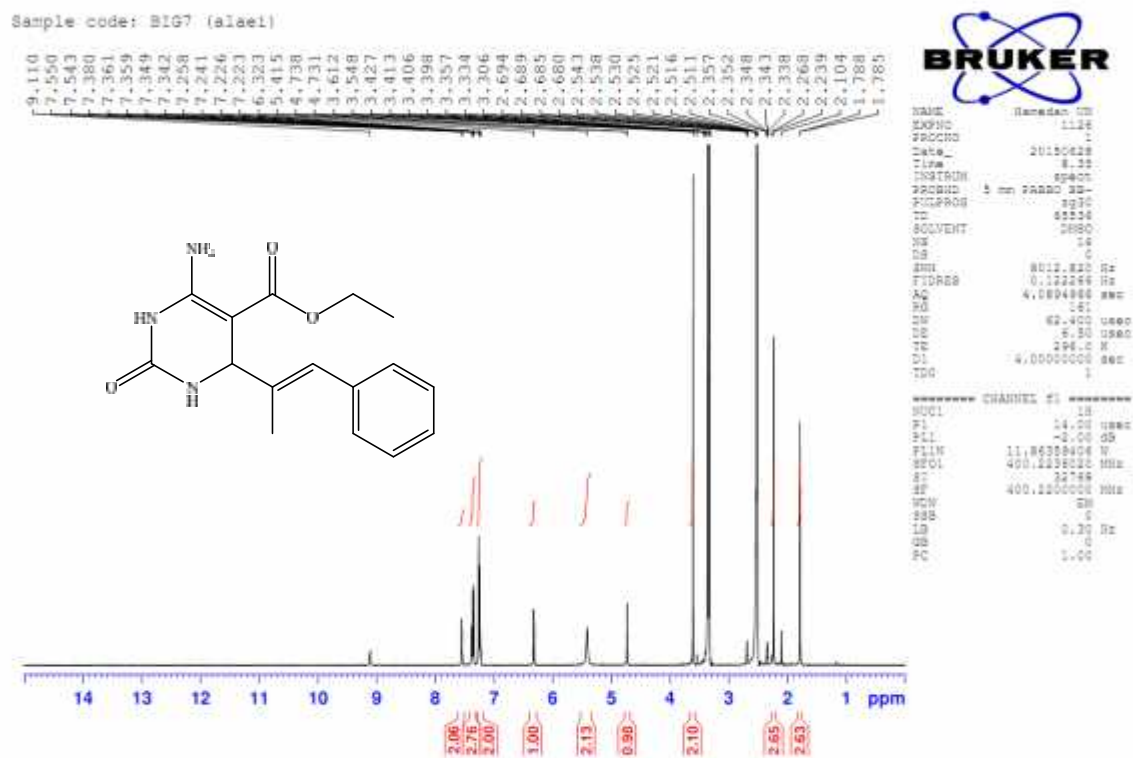


Fig S46. The ^1H NMR spectrum of ethyl -6-amino-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 7)

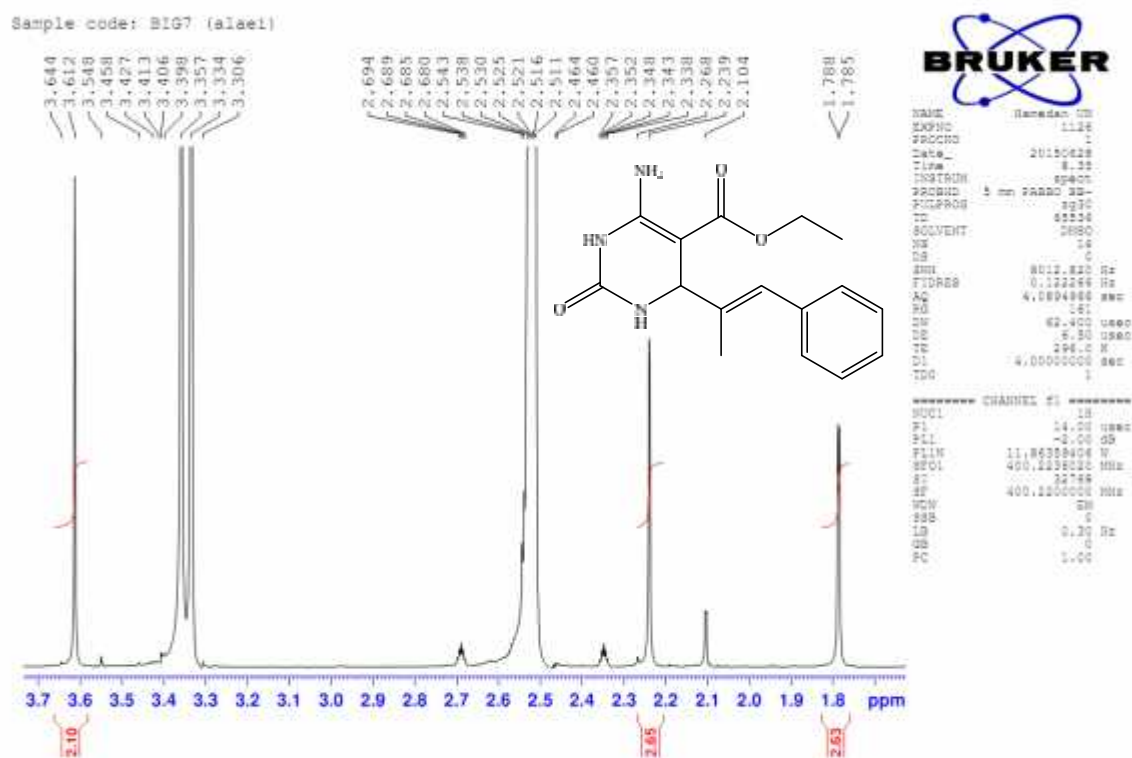


Fig S47. The ^1H NMR spectrum of ethyl -6-amino-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 7)

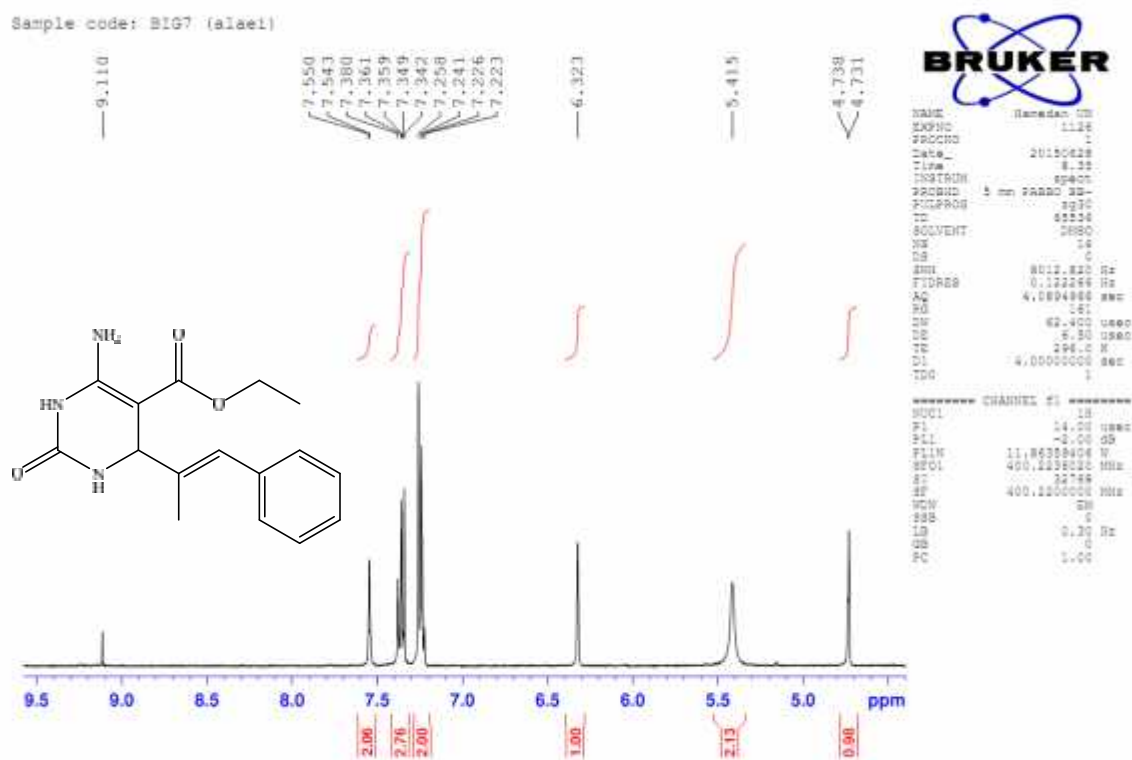


Fig S48. The ^{13}C NMR spectrum of ethyl -6-amino-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 7)

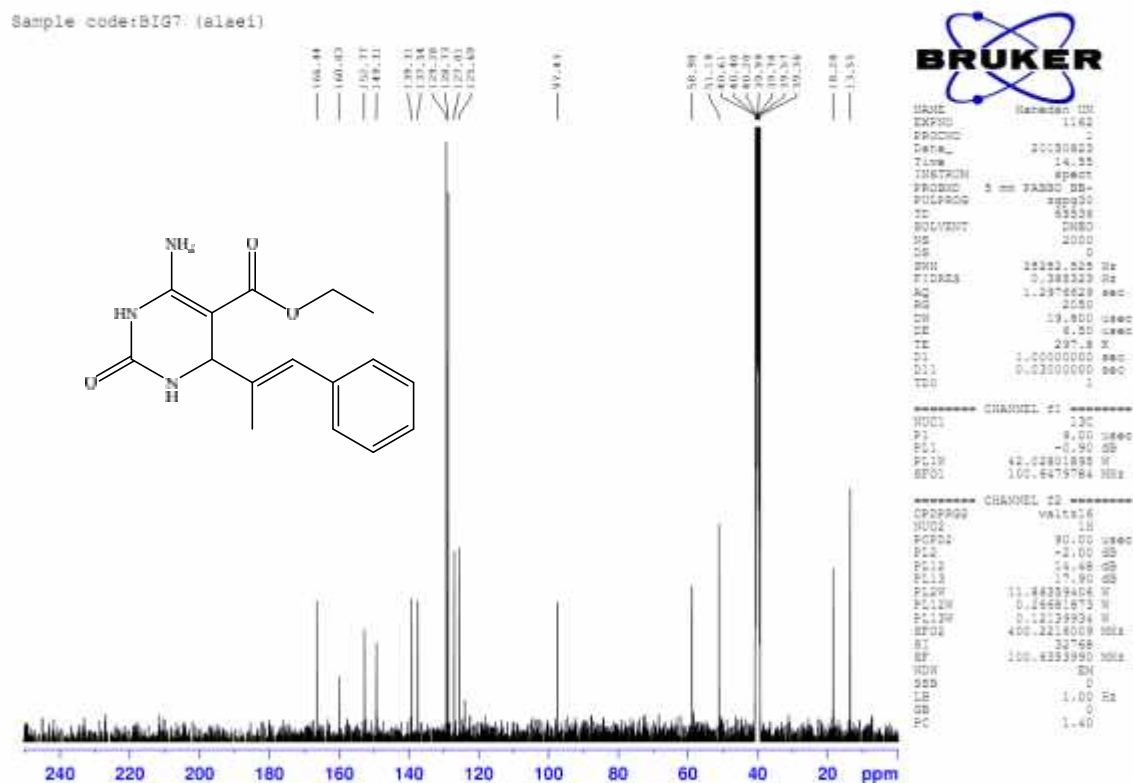


Fig S49. The ^{13}C NMR spectrum of ethyl -6-amino-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 7)

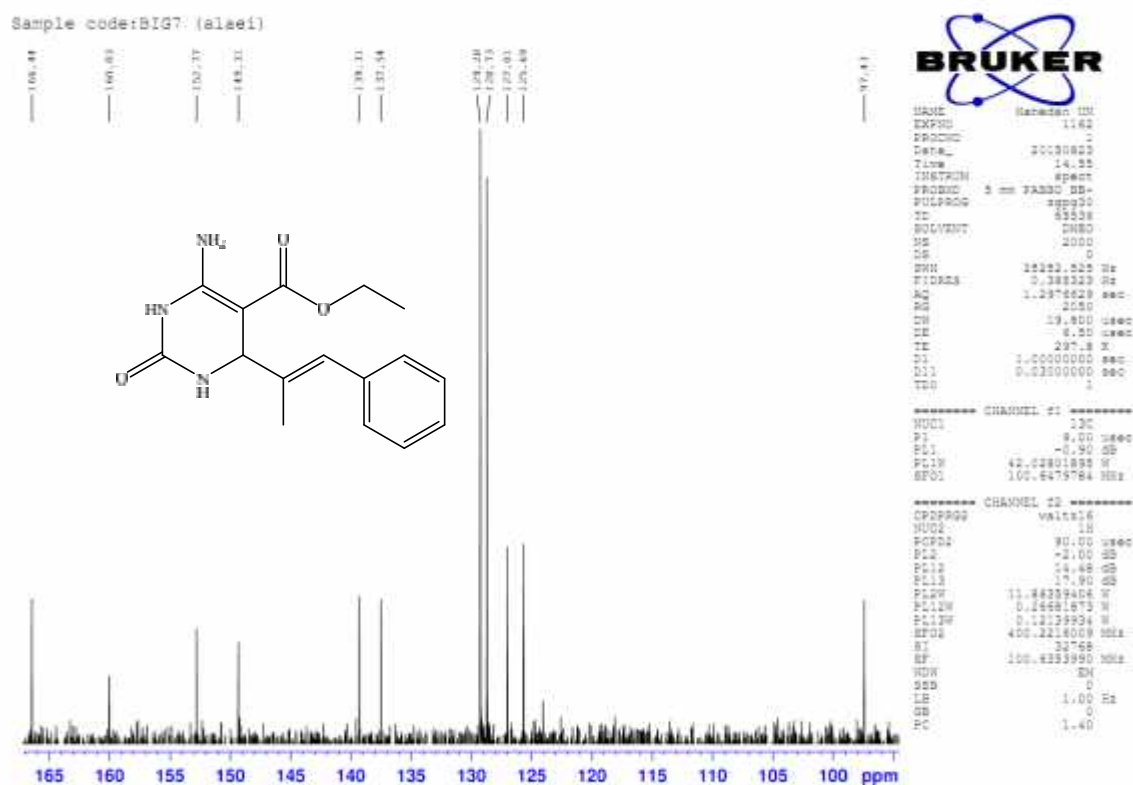


Fig S50. The mass spectrum of *ethyl -6-amino-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 7)

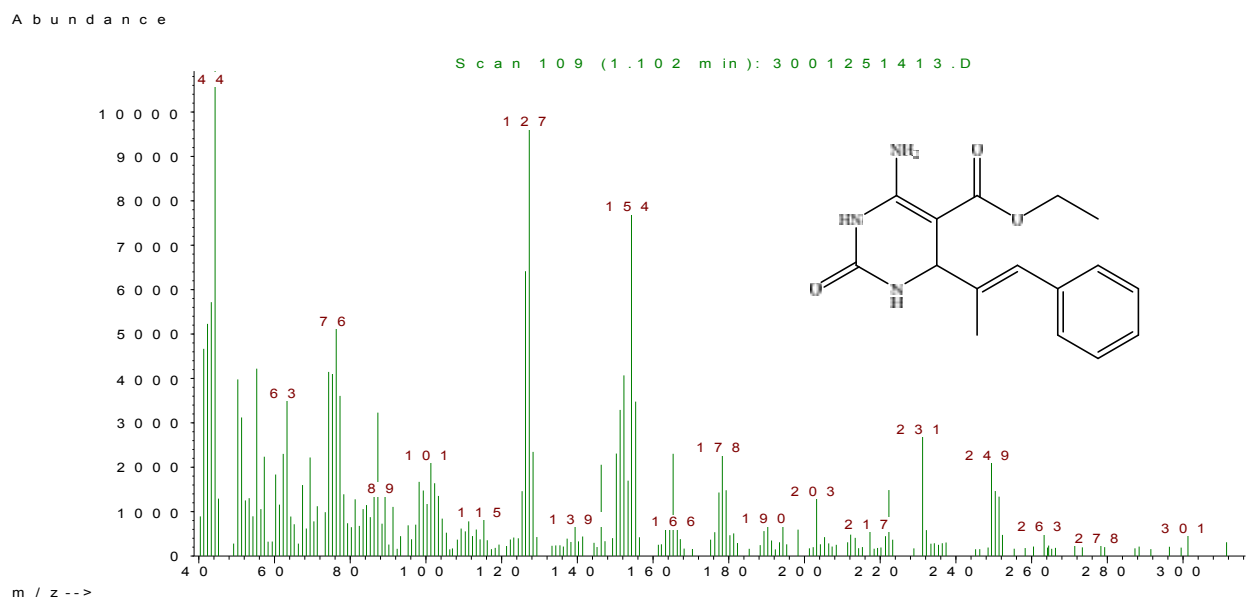


Fig S51. The IR spectrum of 5-acetyl-6-methyl-4-(1-phenylprop-1-en-2-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 8)

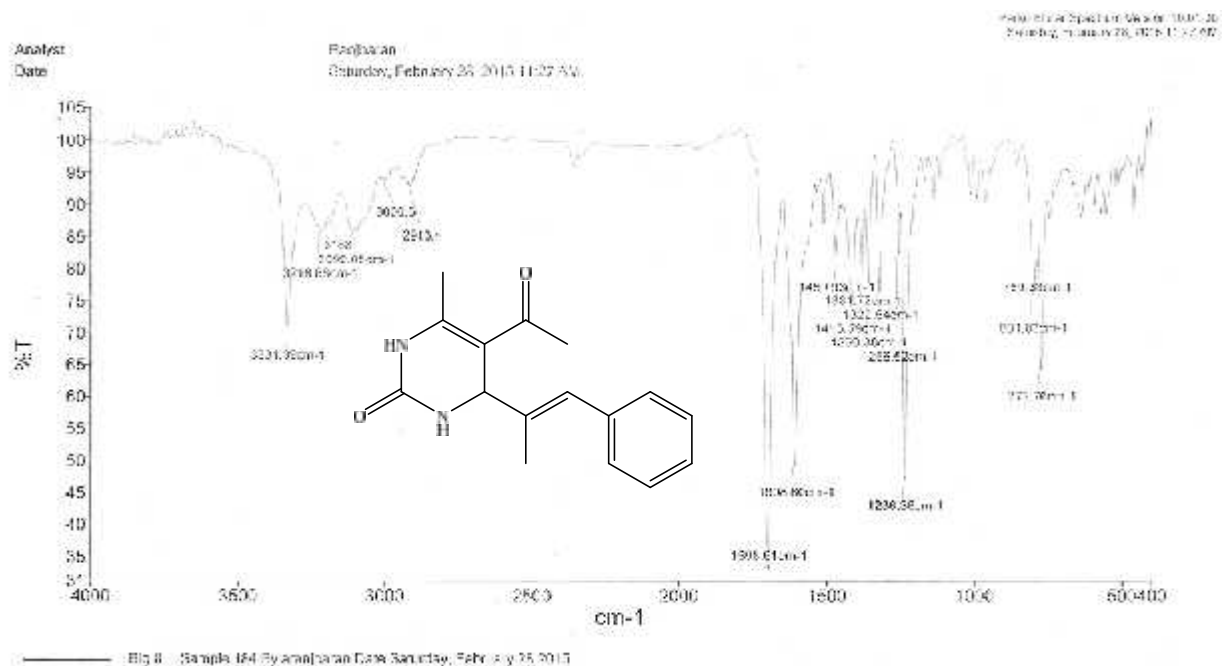


Fig S52. The ^1H NMR spectrum of 5-acetyl-6-methyl-4-(1-phenylprop-1-en-2-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 8)

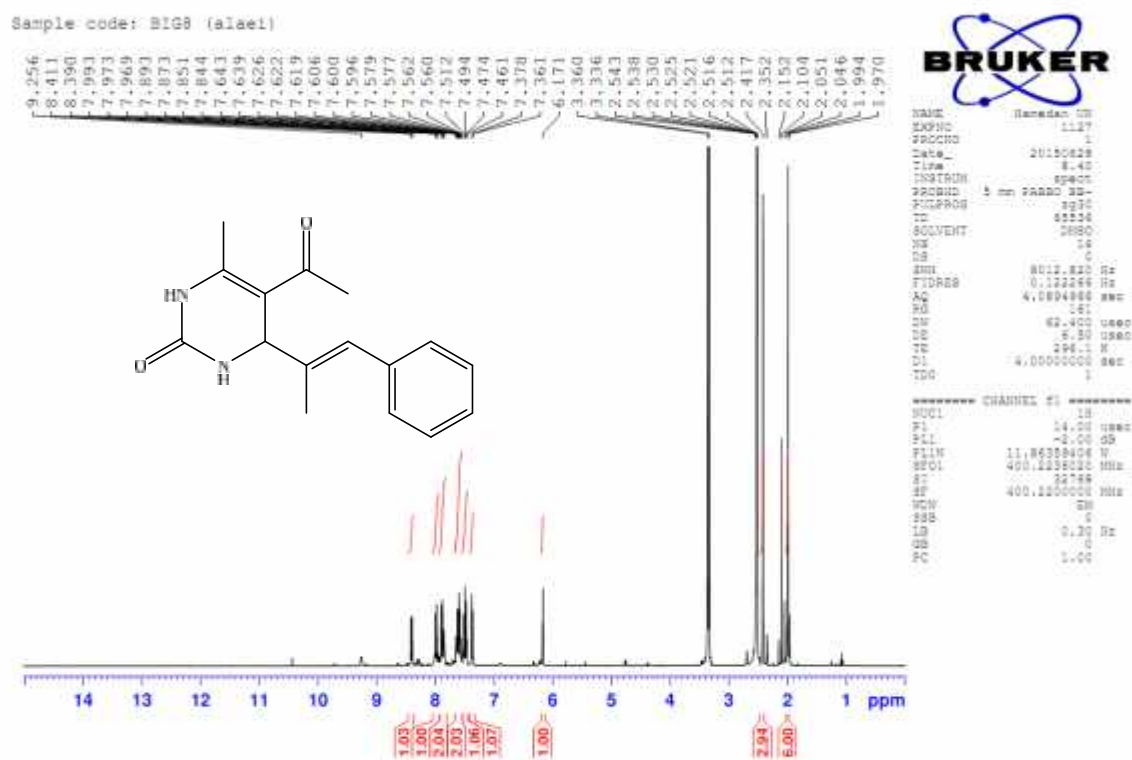


Fig S53. The ^1H NMR spectrum of 5-acetyl-6-methyl-4-(1-phenylprop-1-en-2-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 8)

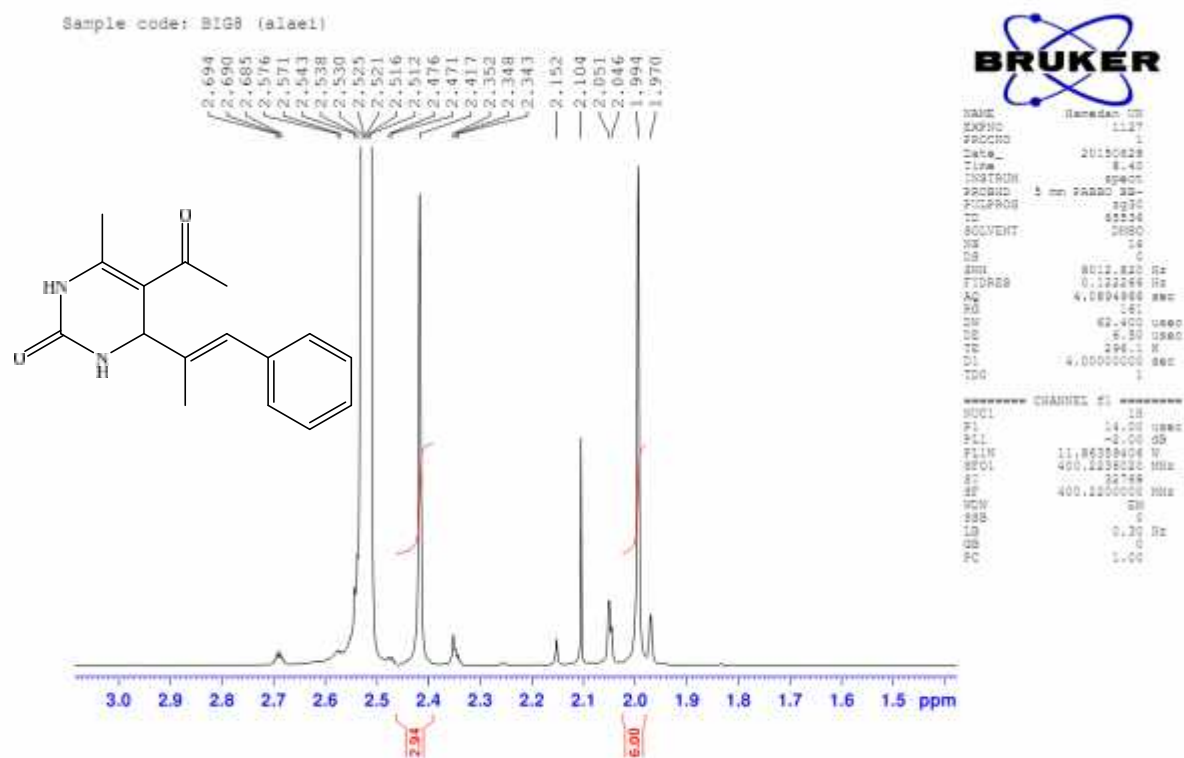


Fig S54. The ^1H NMR spectrum of 5-acetyl-6-methyl-4-(1-phenylprop-1-en-2-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 8)

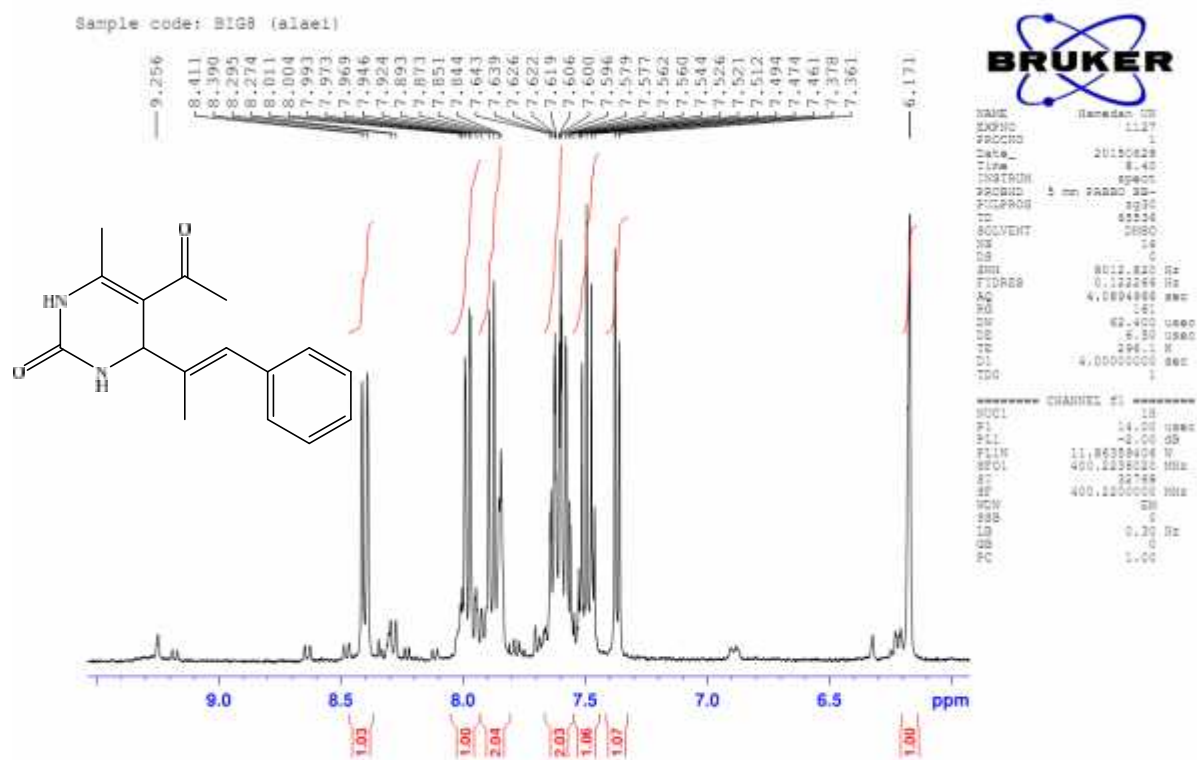


Fig S55. The ^{13}C NMR spectrum of 5-acetyl-6-methyl-4-(1-phenylprop-1-en-2-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 8)

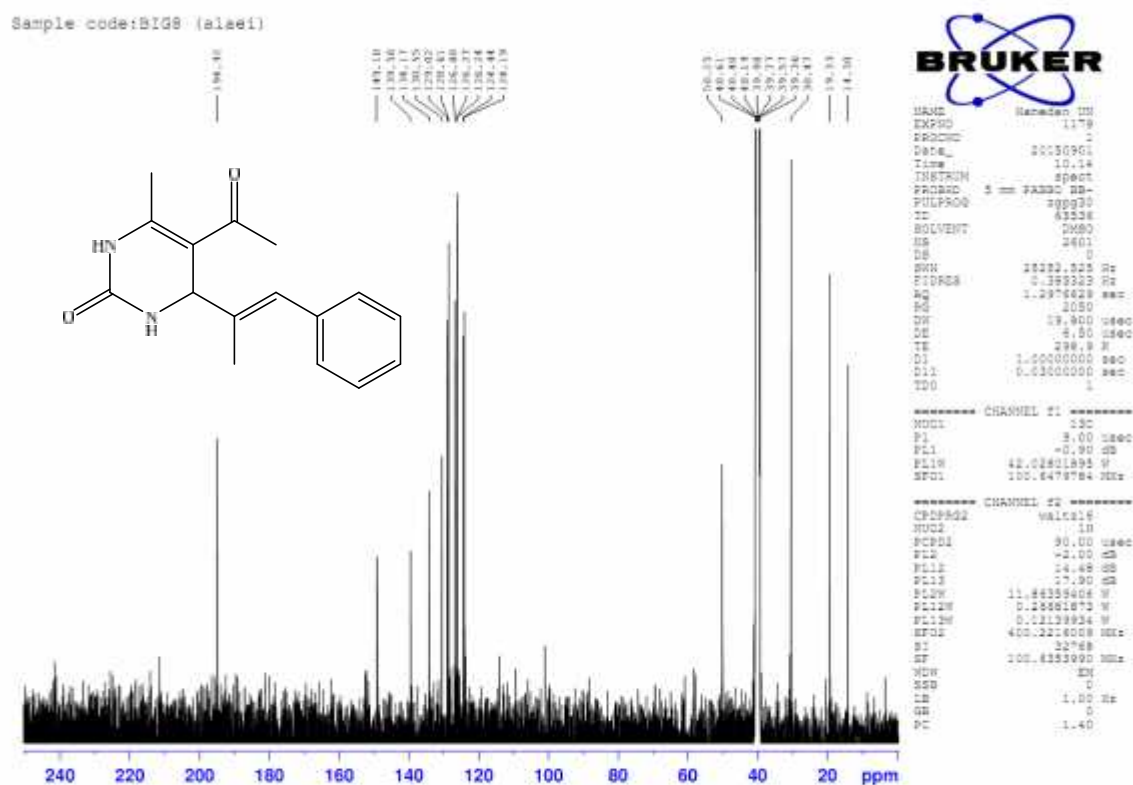


Fig S56. The ^{13}C NMR spectrum 5-acetyl-6-methyl-4-(1-phenylprop-1-en-2-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 8)

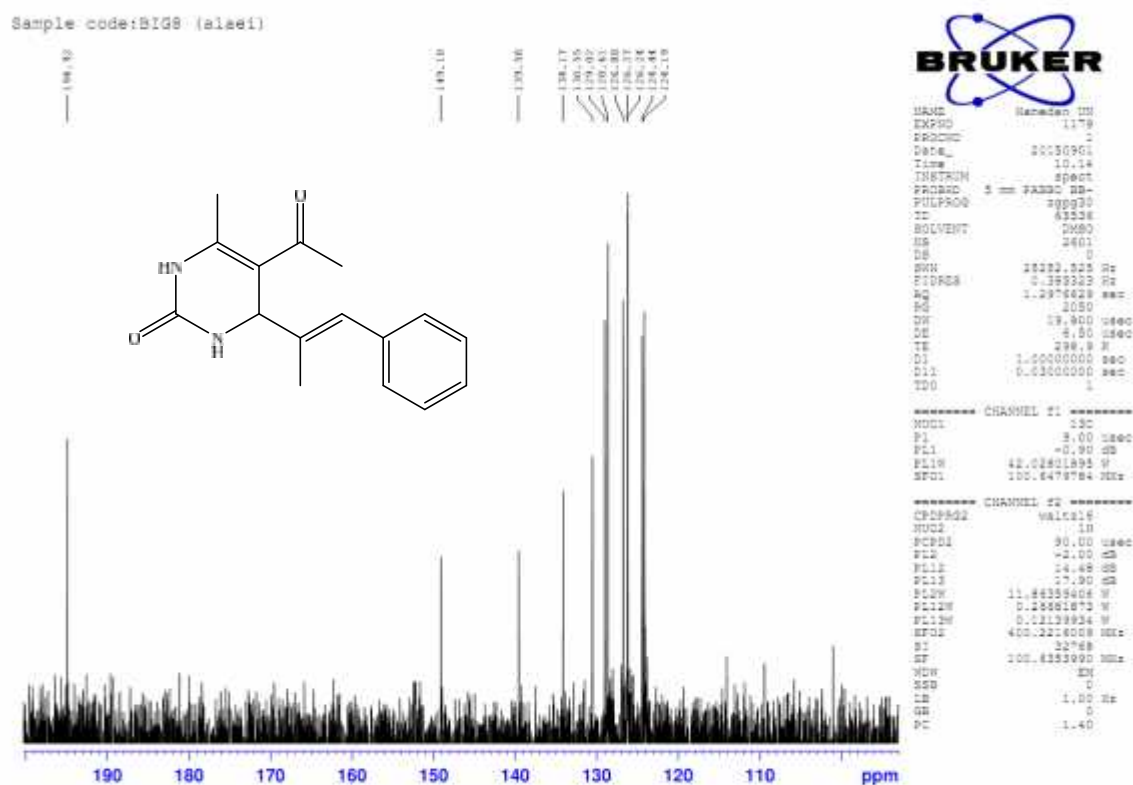


Fig S57. The mass spectrum of 5-acetyl-6-methyl-4-(1-phenylprop-1-en-2-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 8)

Abundance

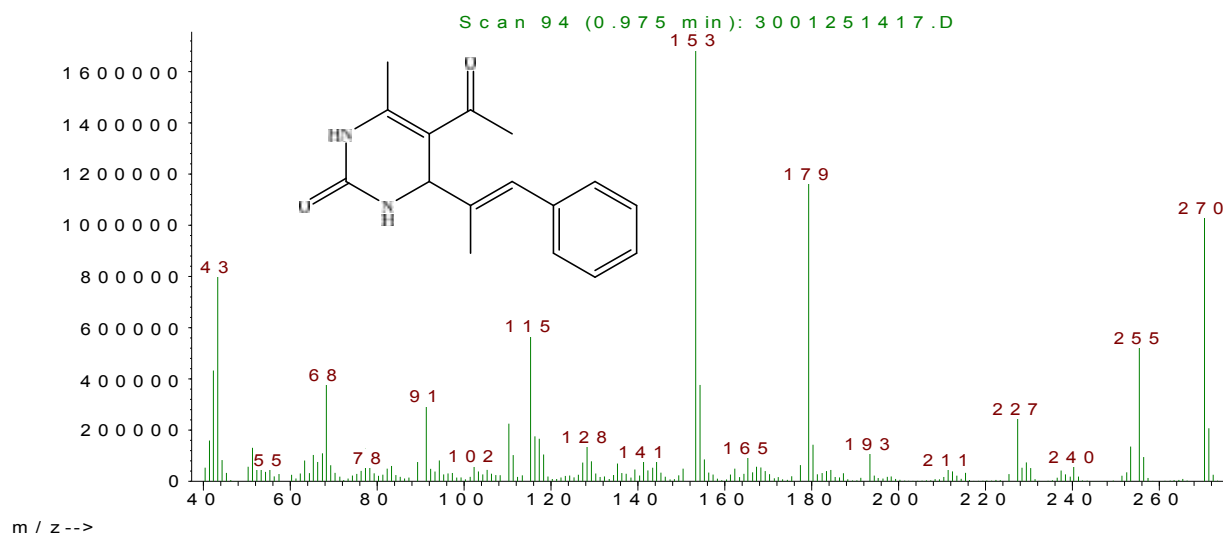


Fig S58. The IR spectrum of *methyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 9)

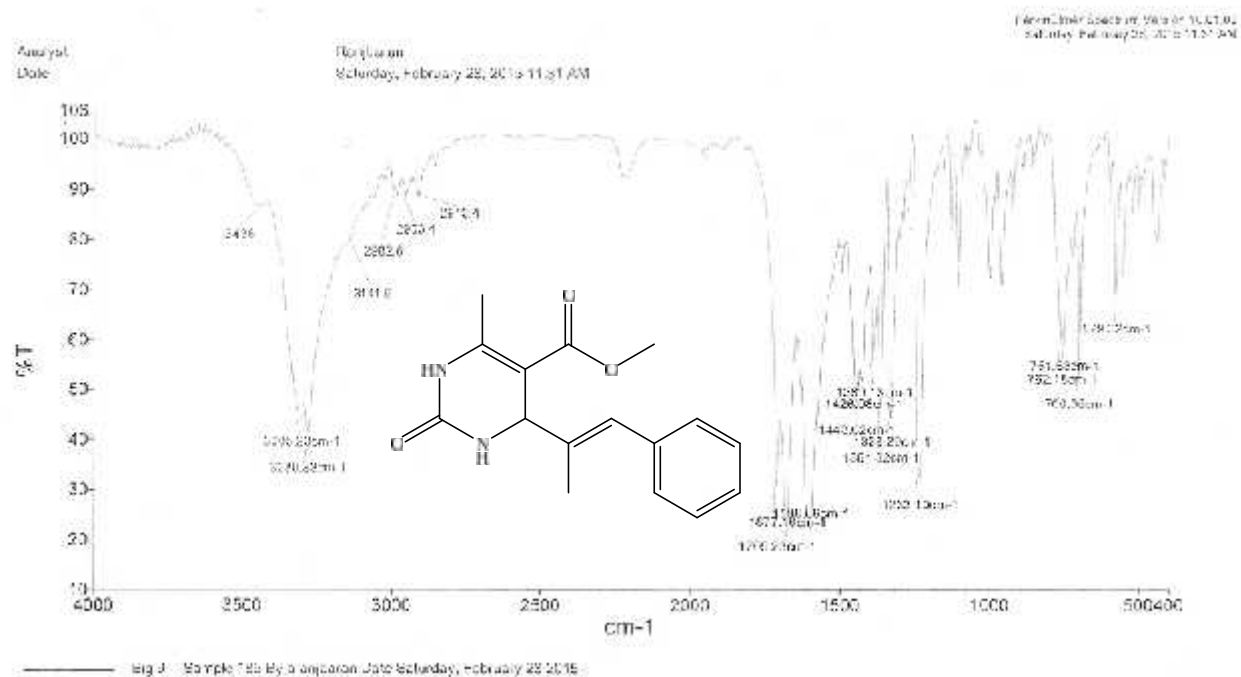


Fig S59. The ^1H NMR spectrum of methyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 9)

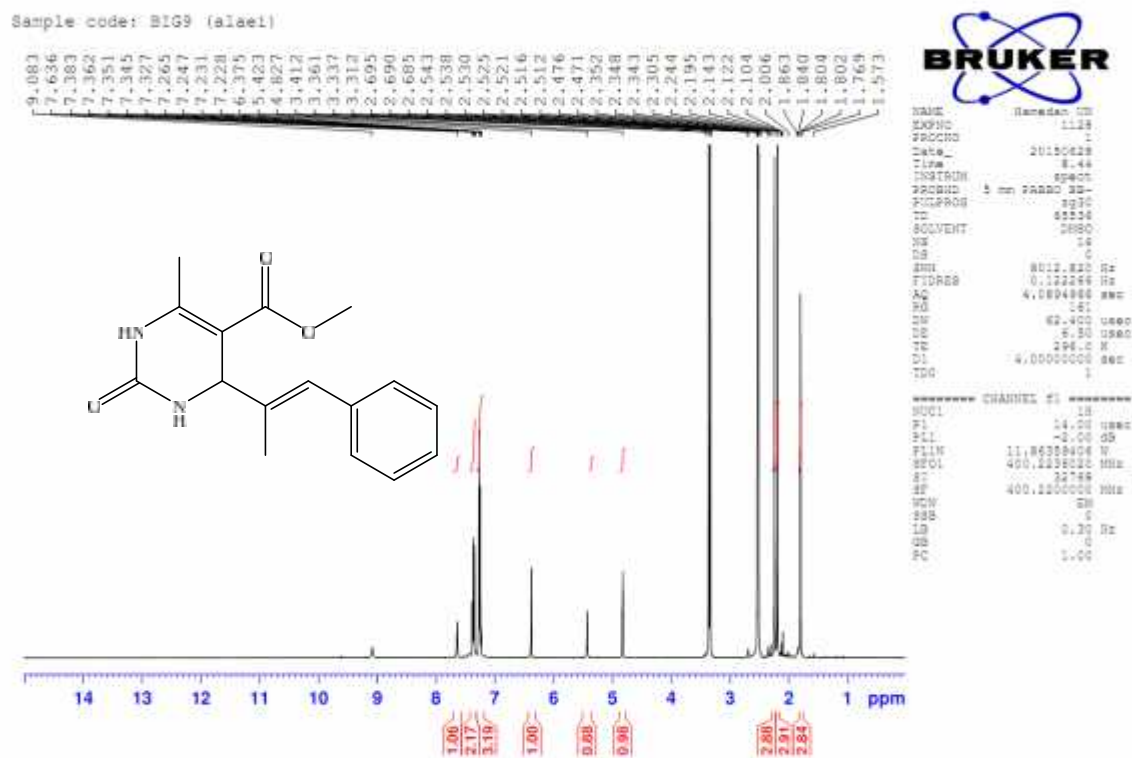


Fig S60. The ^1H NMR spectrum of methyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 9)

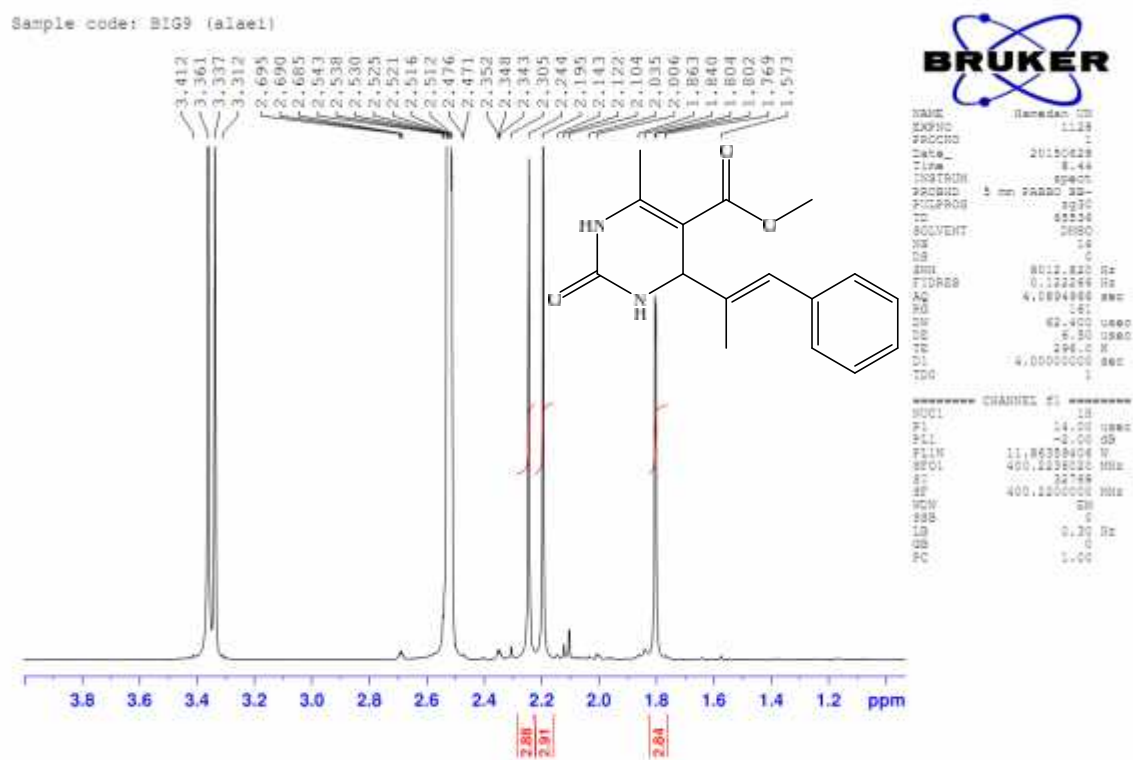


Fig S61. The ^1H NMR spectrum of methyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 9)

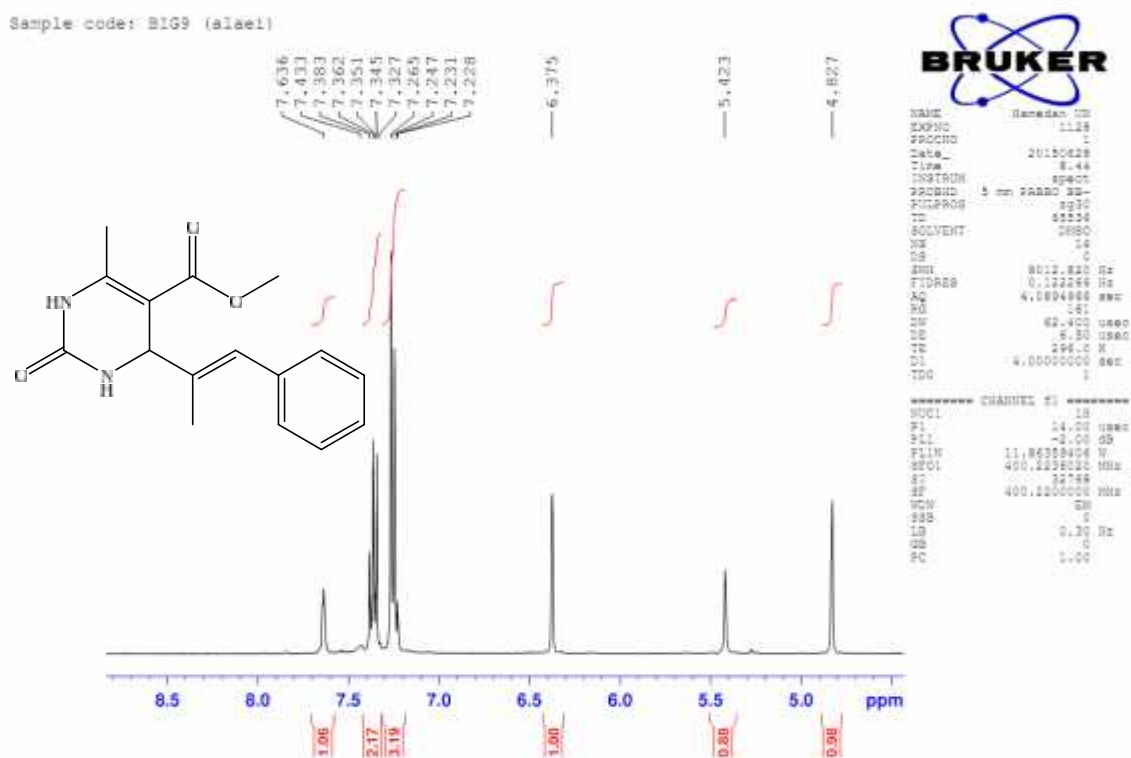


Fig S62. The ^{13}C NMR spectrum of methyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 9)

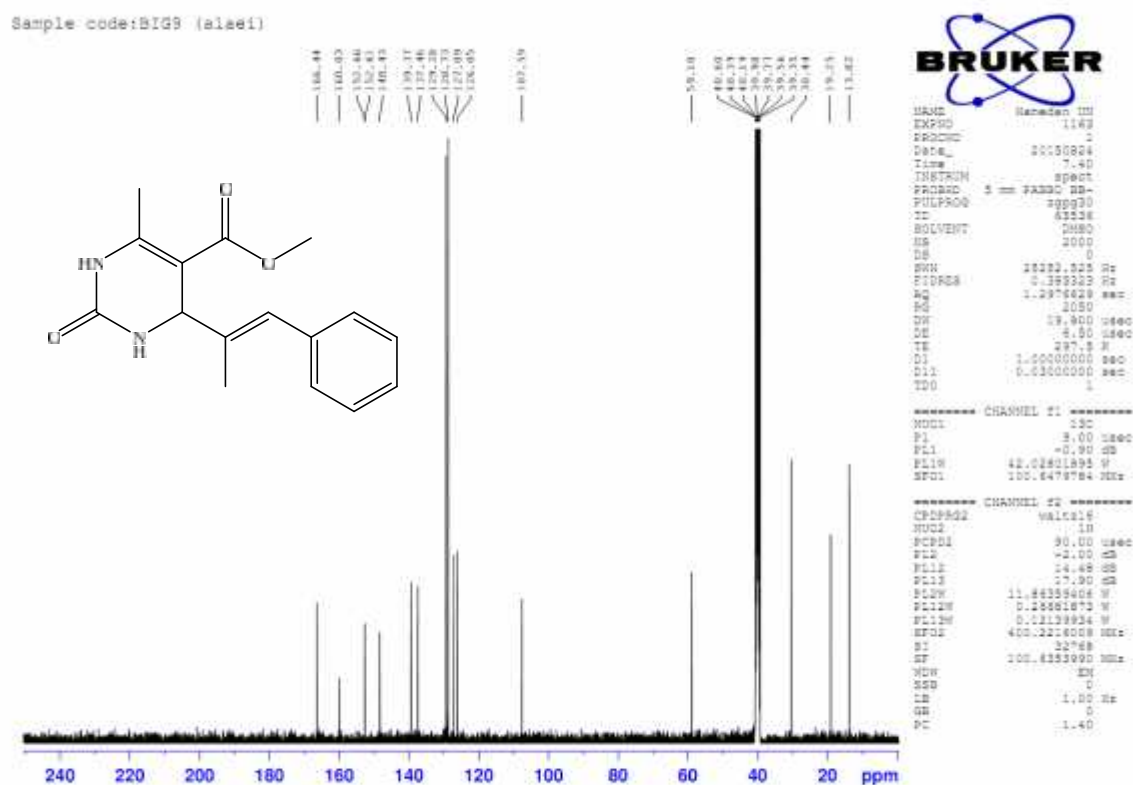


Fig S63. The ^{13}C NMR spectrum methyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 9)

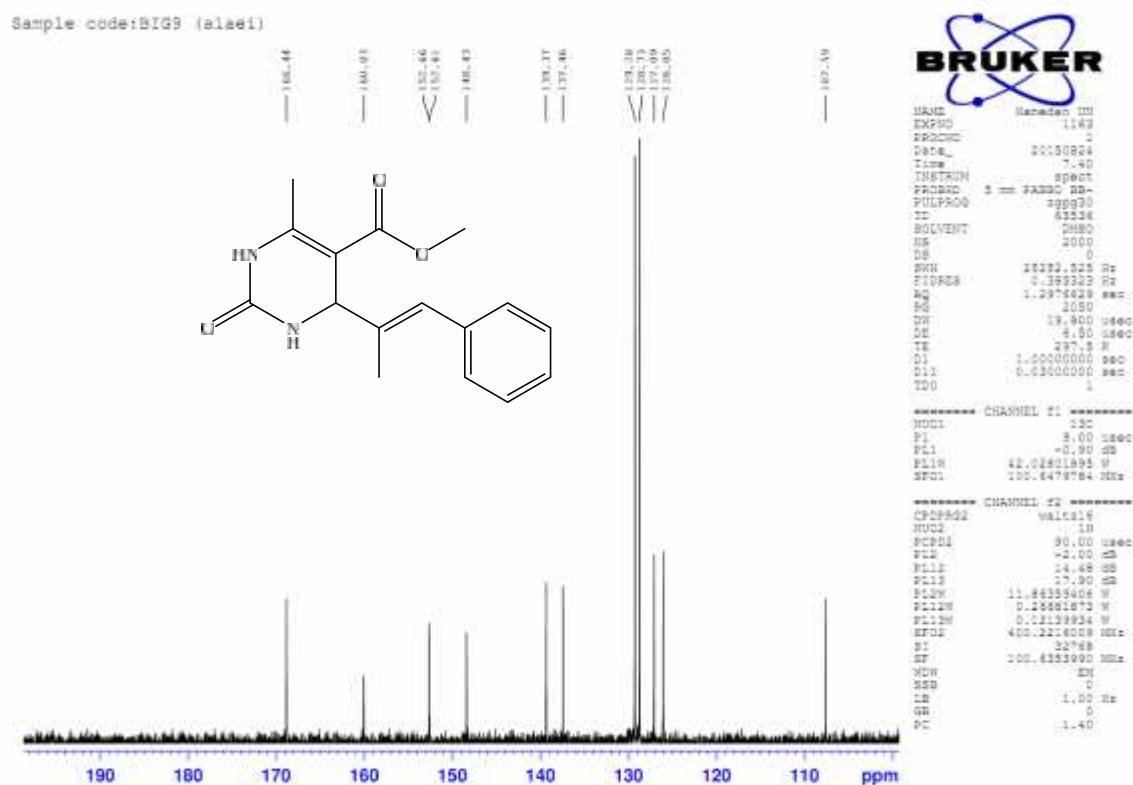


Fig S64. The mass spectrum of *methyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 9)

Abundance

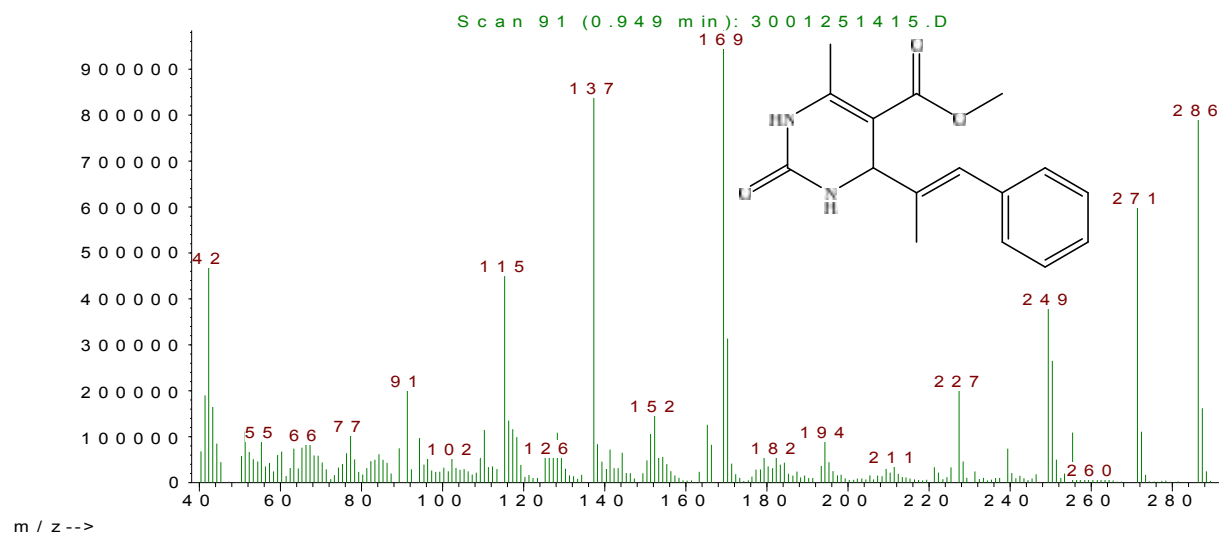


Fig S65. The IR spectrum of *ethyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 10)

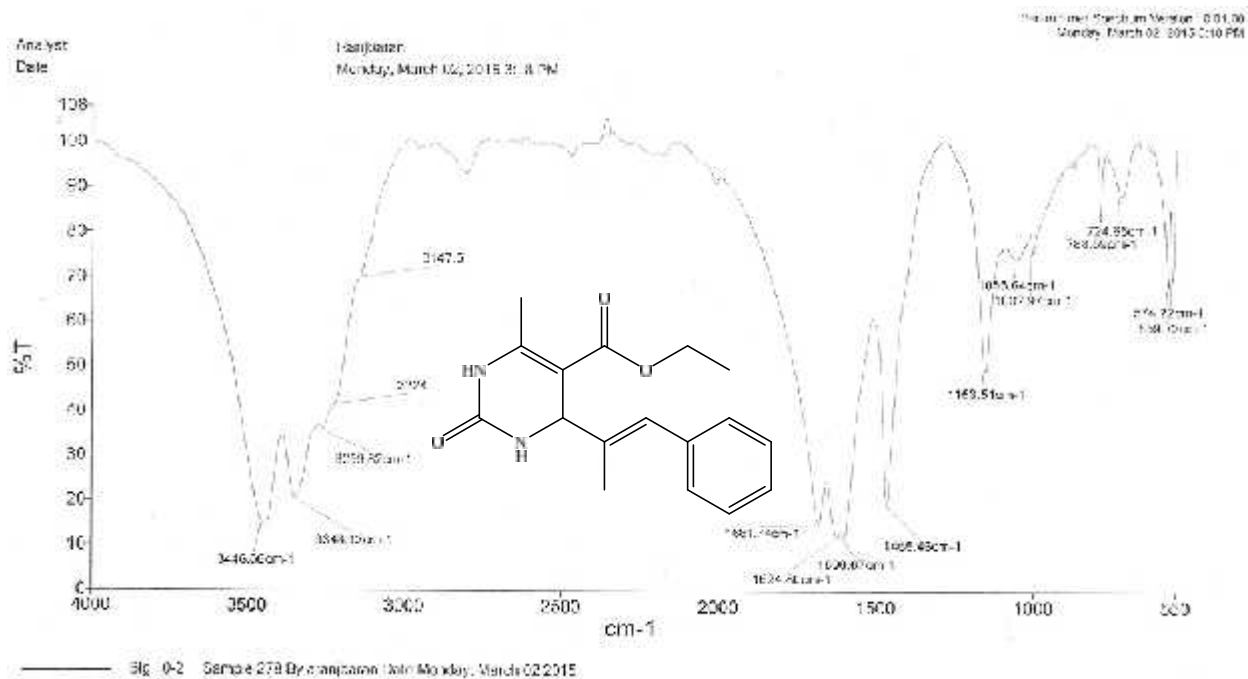


Fig S66. The ^1H NMR spectrum of *ethyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 10)

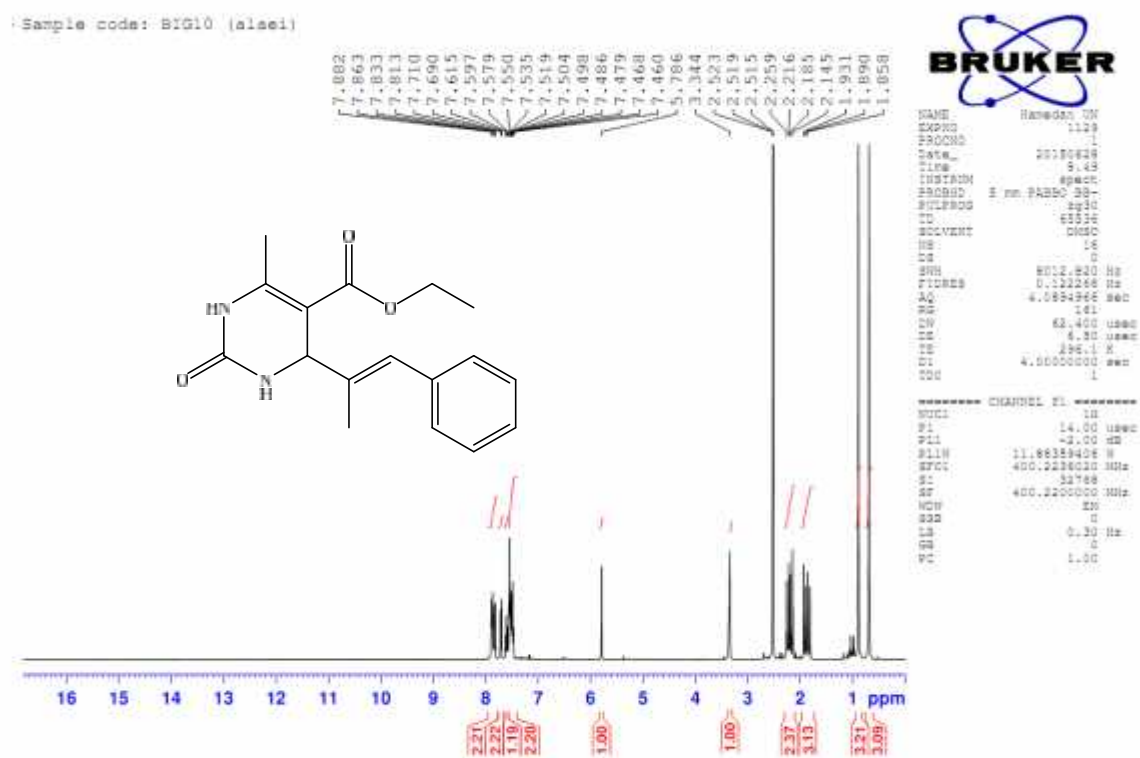


Fig S67. The ^1H NMR spectrum of *ethyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 10)

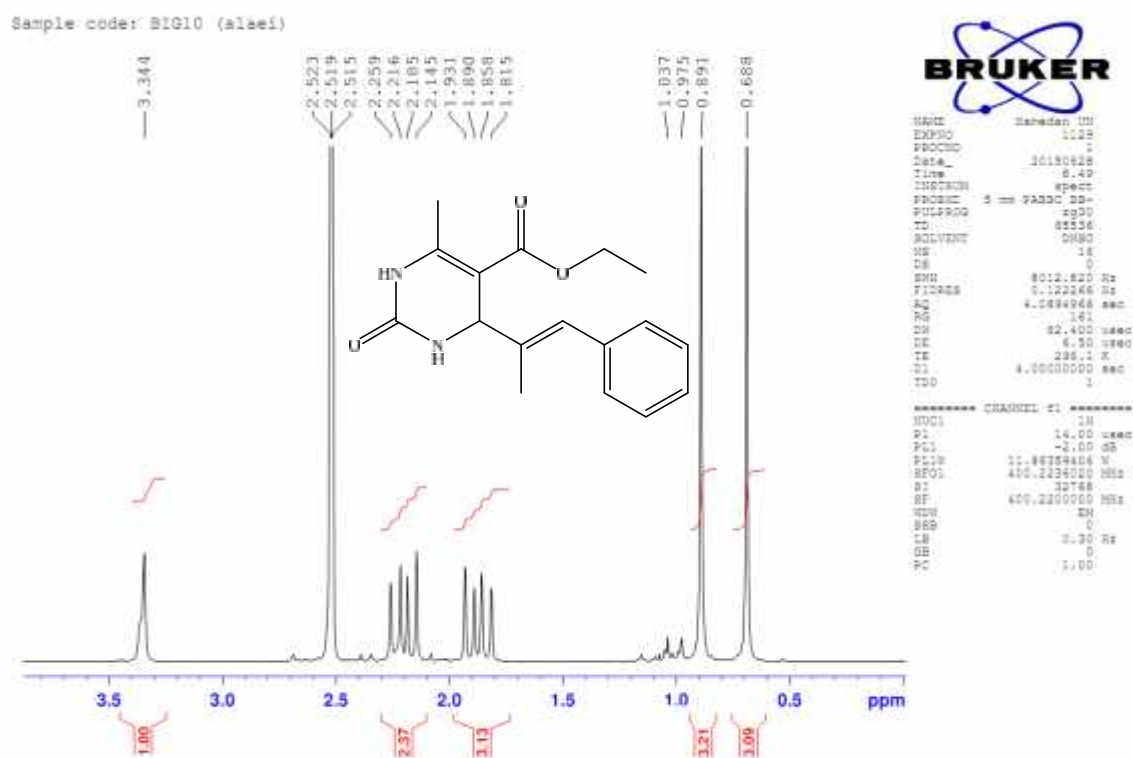


Fig S68. The ¹H NMR spectrum of *ethyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 10)

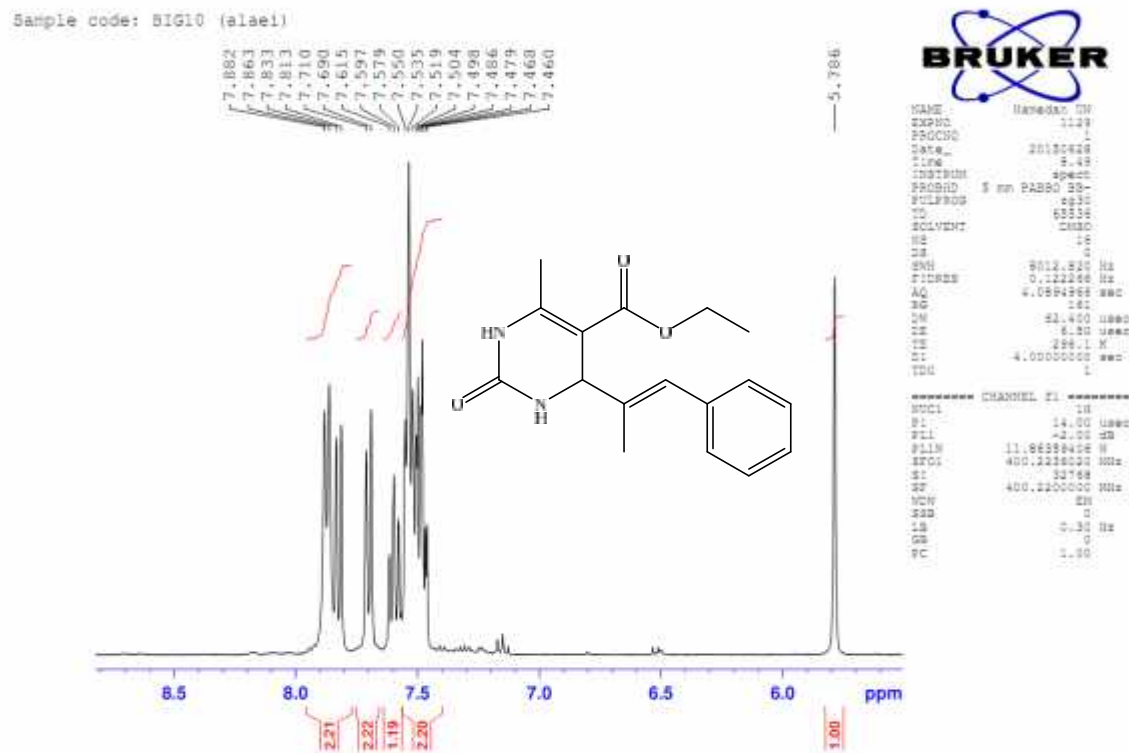


Fig S69. The ^{13}C NMR spectrum of *ethyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 10)

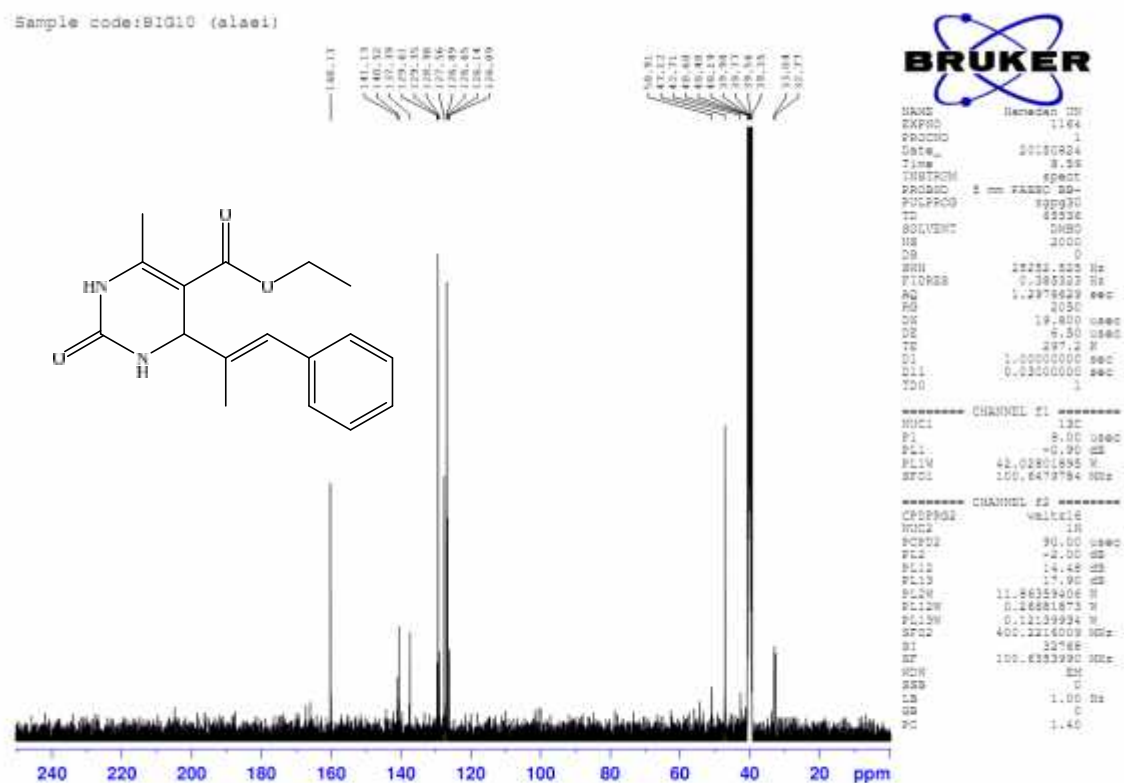


Fig S70. The ^{13}C NMR spectrum of ethyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 10)

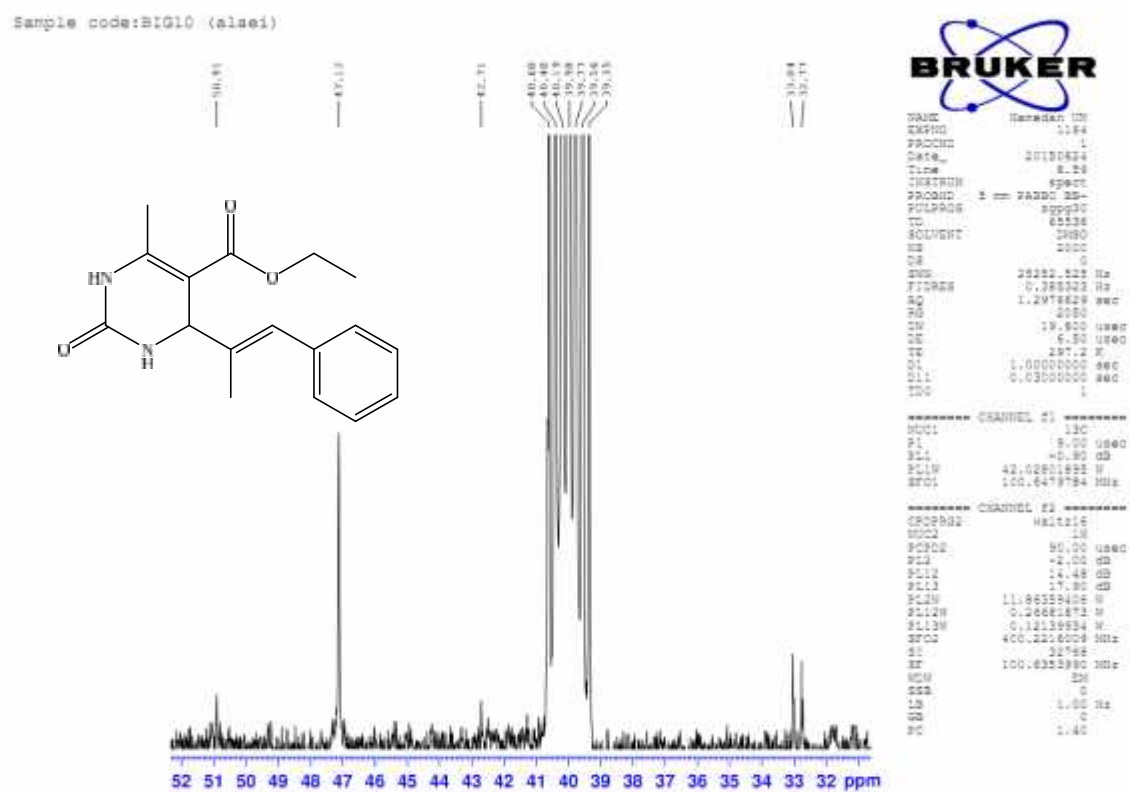


Fig S71. The ^{13}C NMR spectrum ethyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 10)

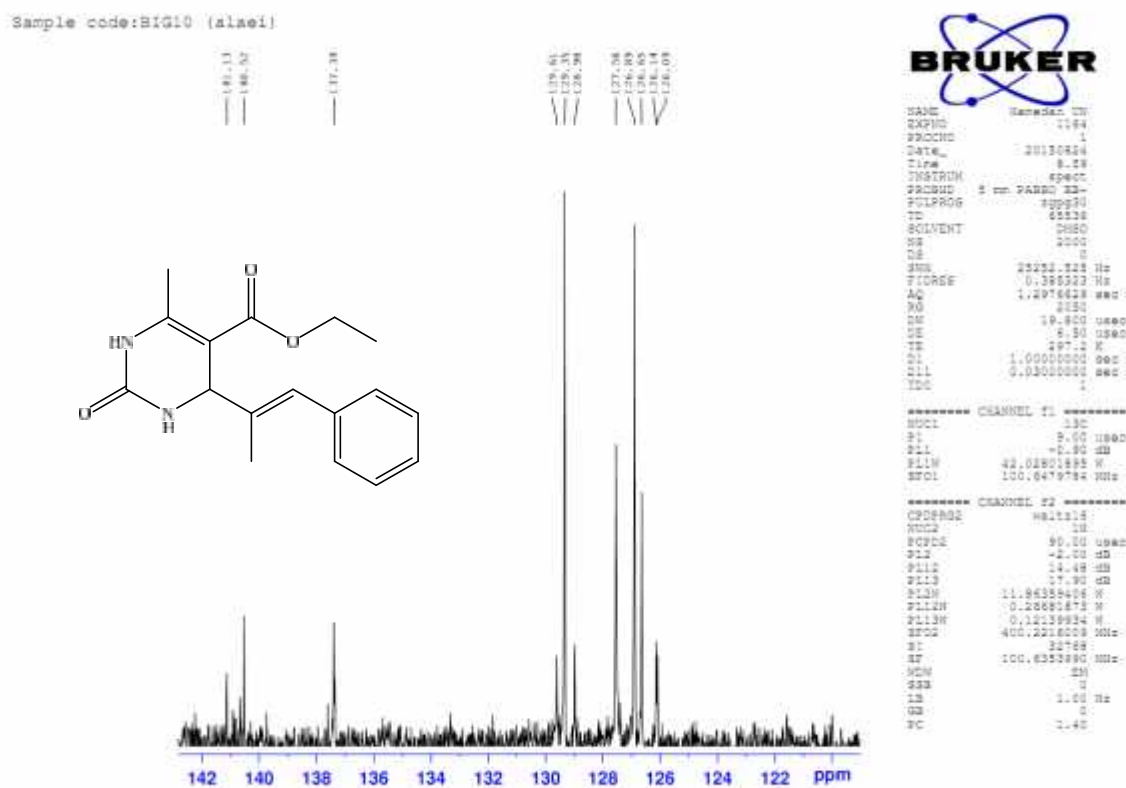


Fig S72. The mass spectrum of *ethyl -6-methyl-2-oxo-4-(1-phenylprop-1-en-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 10)

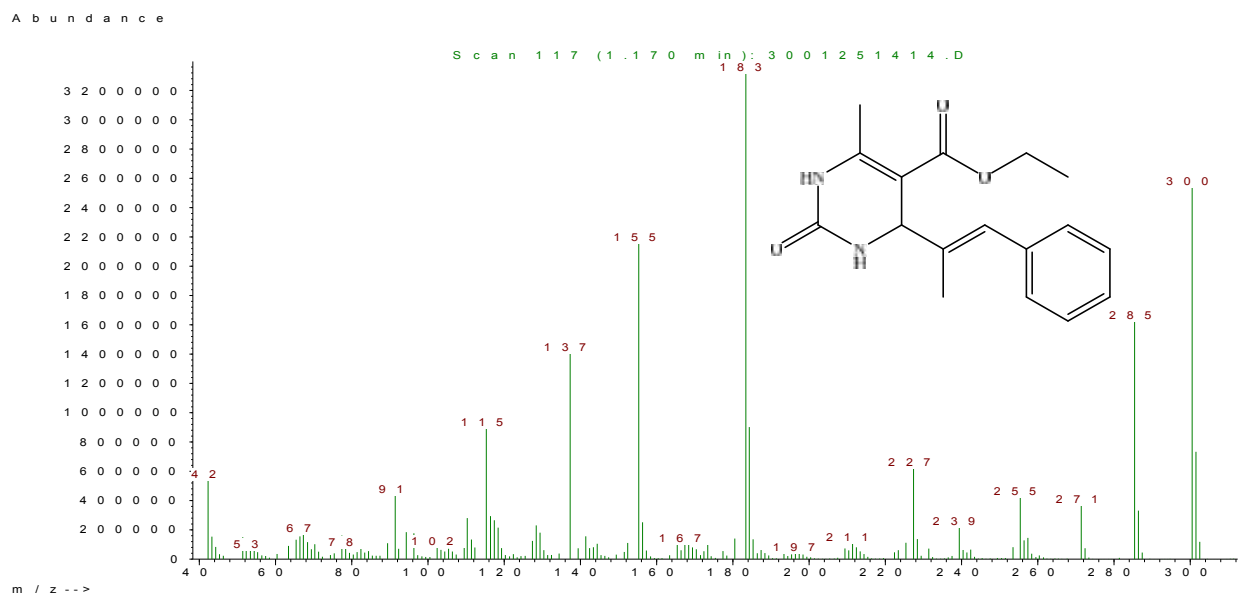


Fig S73. The IR spectrum of 7,7-dimethyl-4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 11)

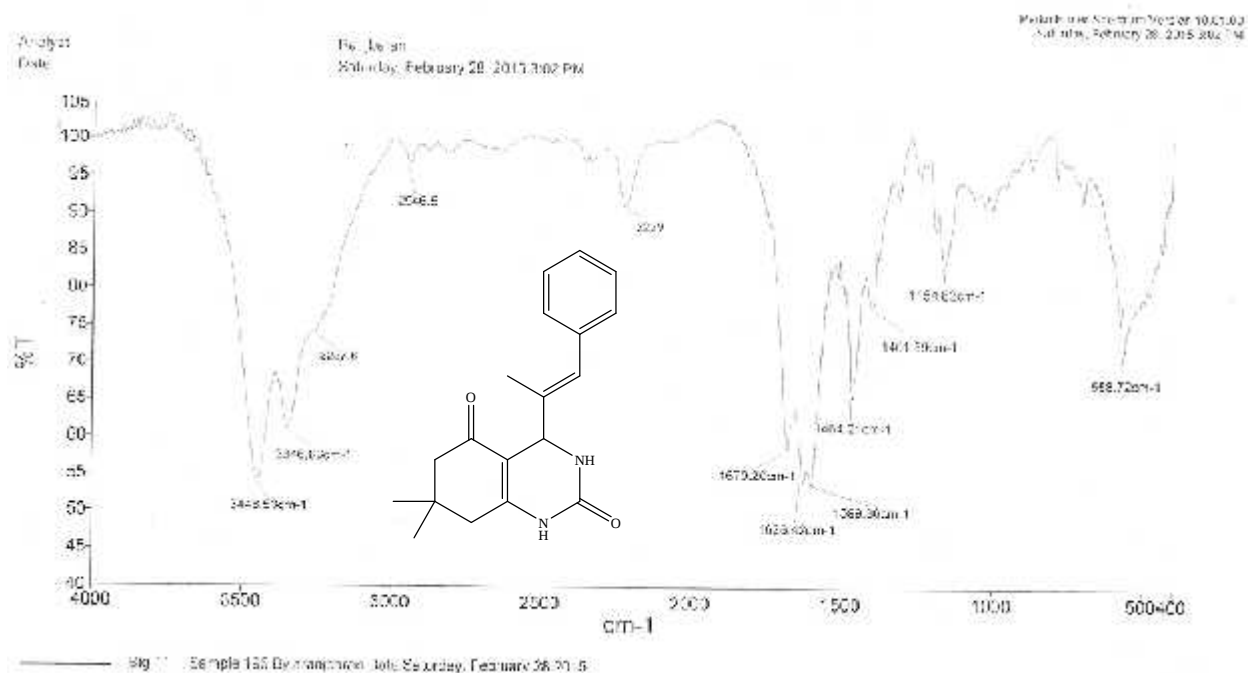


Fig S74. The ¹H NMR spectrum of 7,7-dimethyl-4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 11)

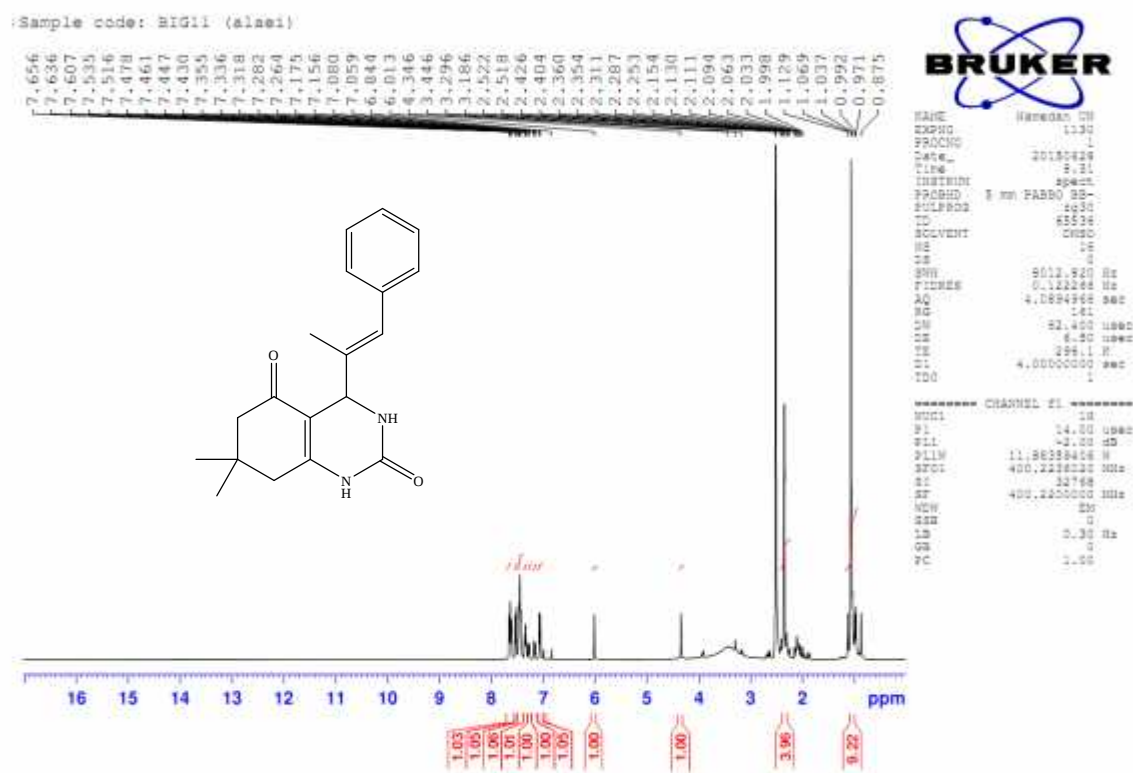


Fig S75. The ^1H NMR spectrum of 7,7-dimethyl-4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 11)

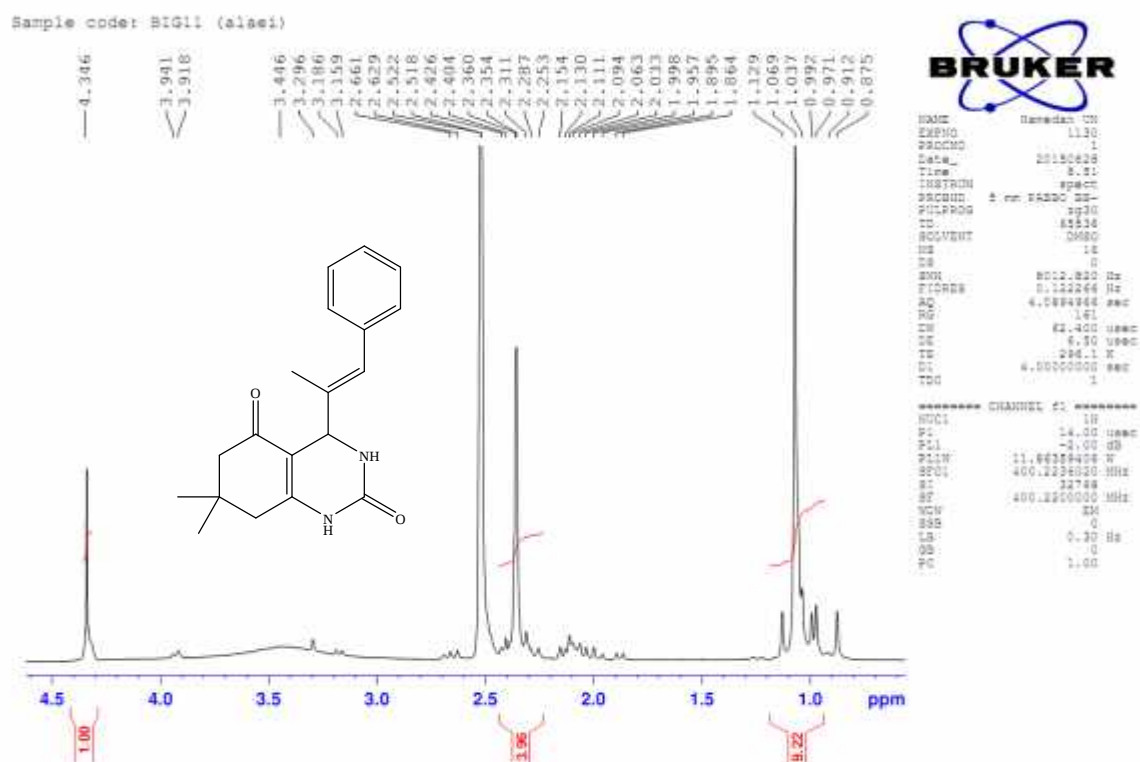


Fig S77. The ^{13}C NMR spectrum of 7,7-dimethyl-4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 11)

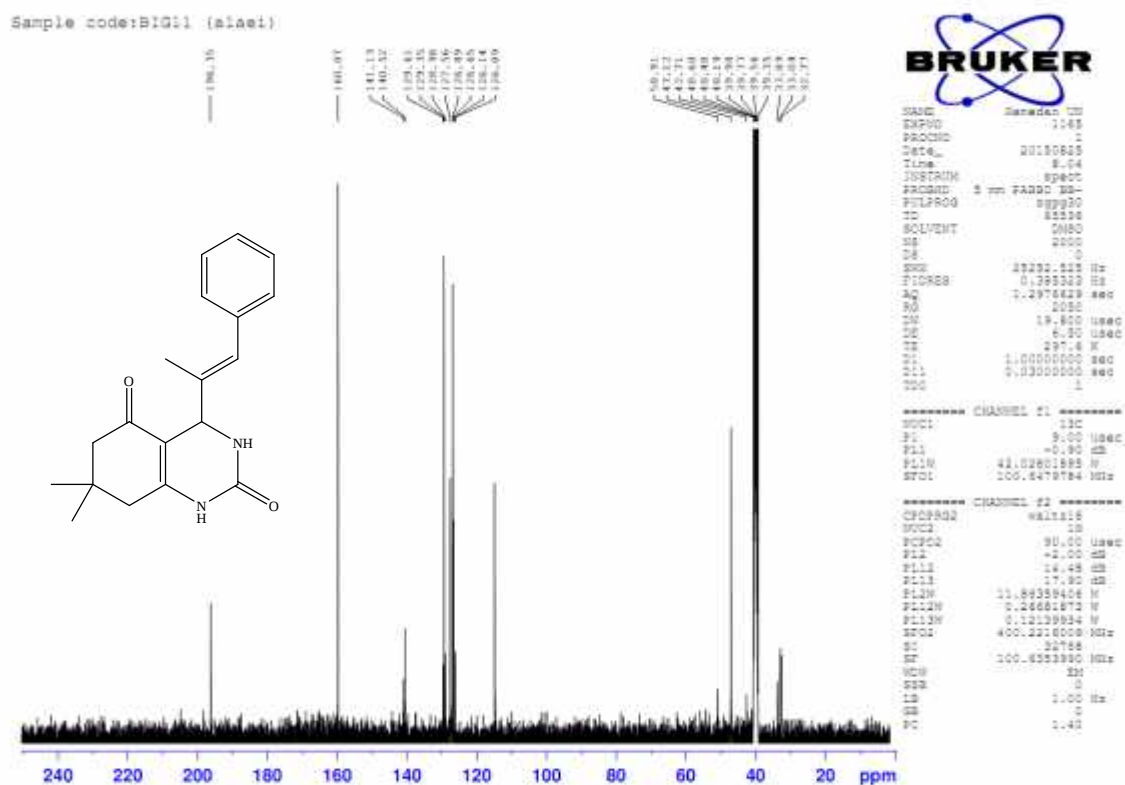


Fig S78. The ^{13}C NMR spectrum of 7,7-dimethyl-4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 11)

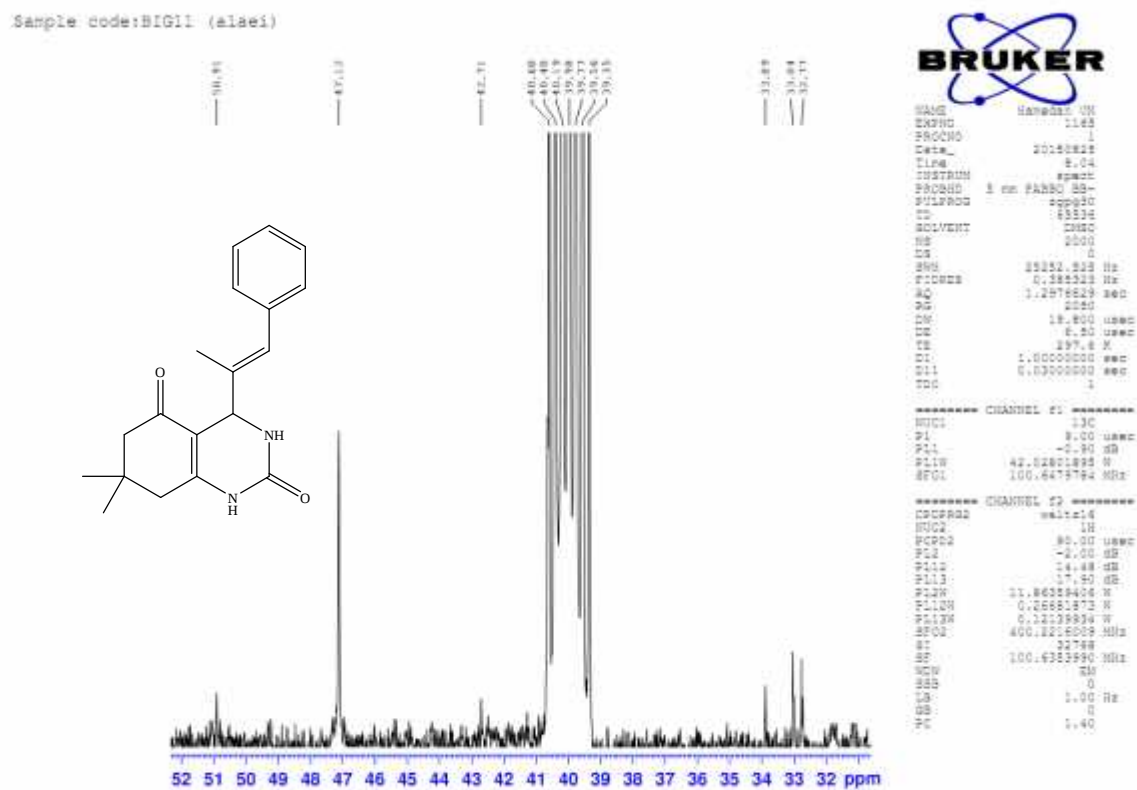


Fig S79. The ^{13}C NMR spectrum 7,7-dimethyl-4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 11)

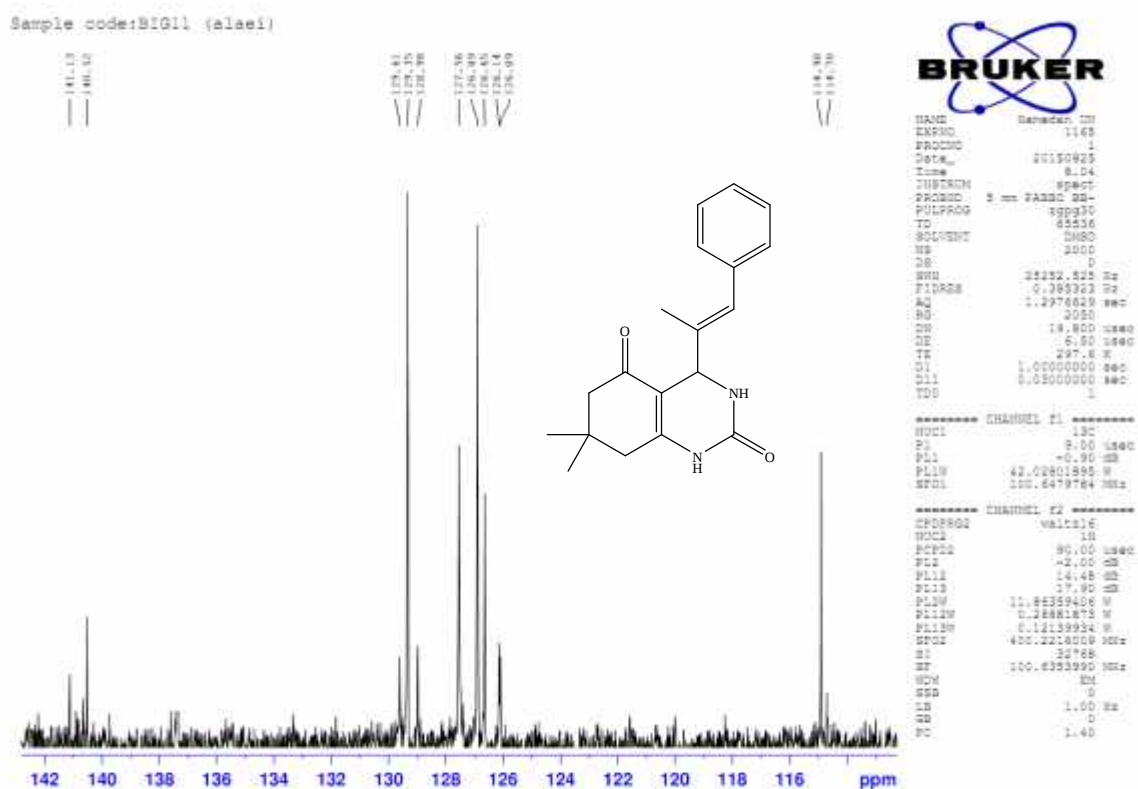


Fig S80. The mass spectrum of 7,7-dimethyl-4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 11)

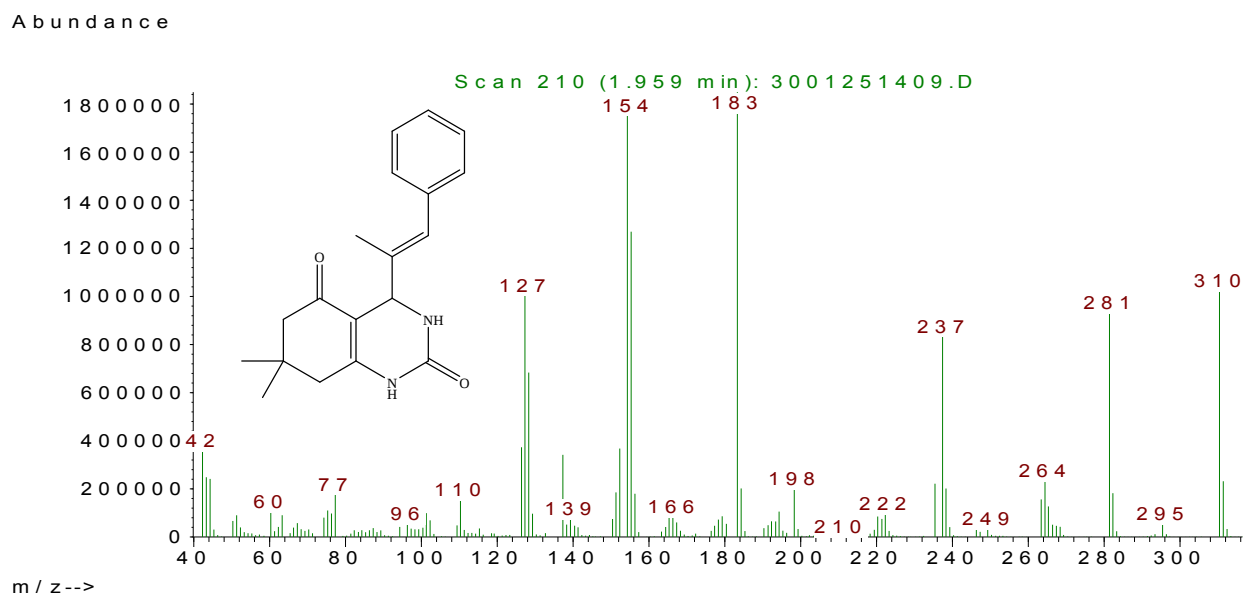


Fig S81. The IR spectrum of 4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 12)

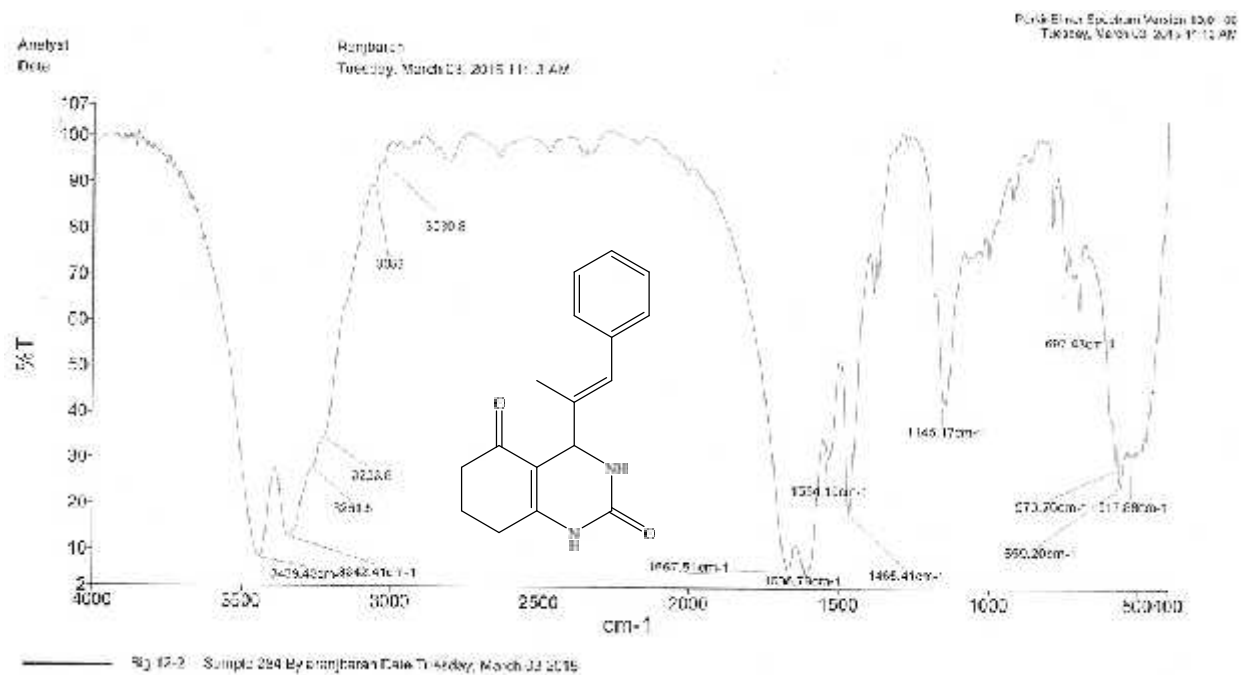


Fig S82. The ^1H NMR spectrum of 4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 12)

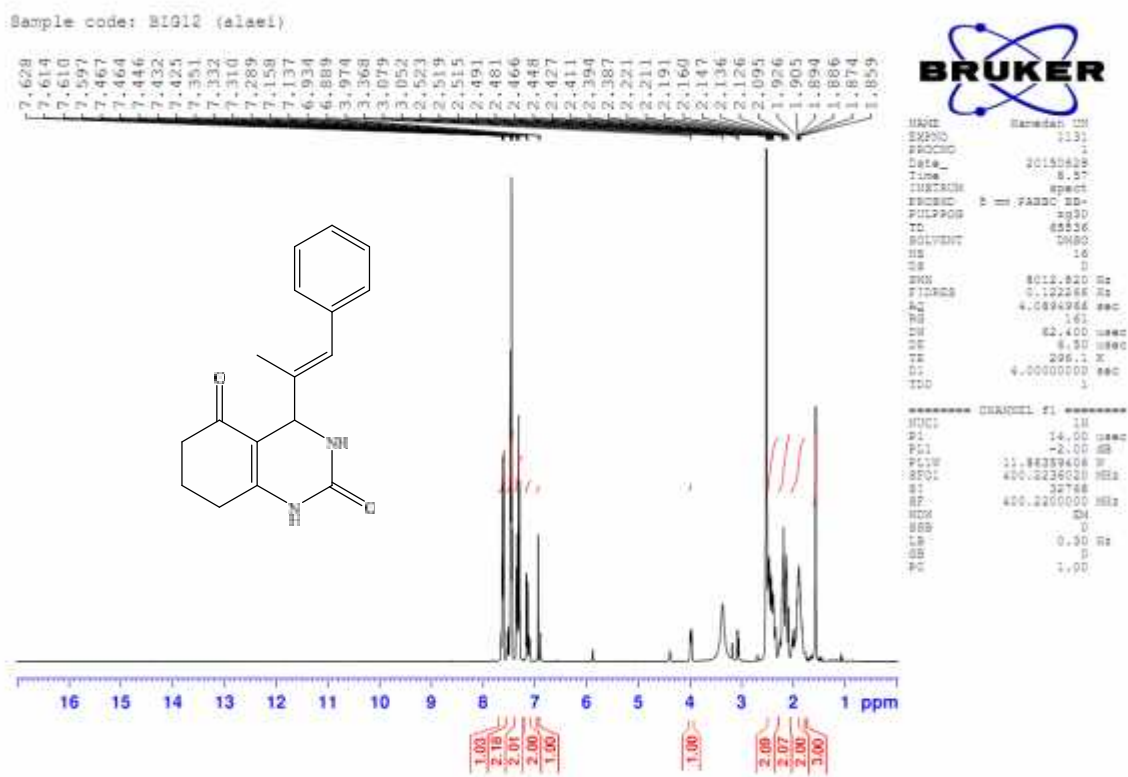


Fig S83. The ¹H NMR spectrum of 4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 12)

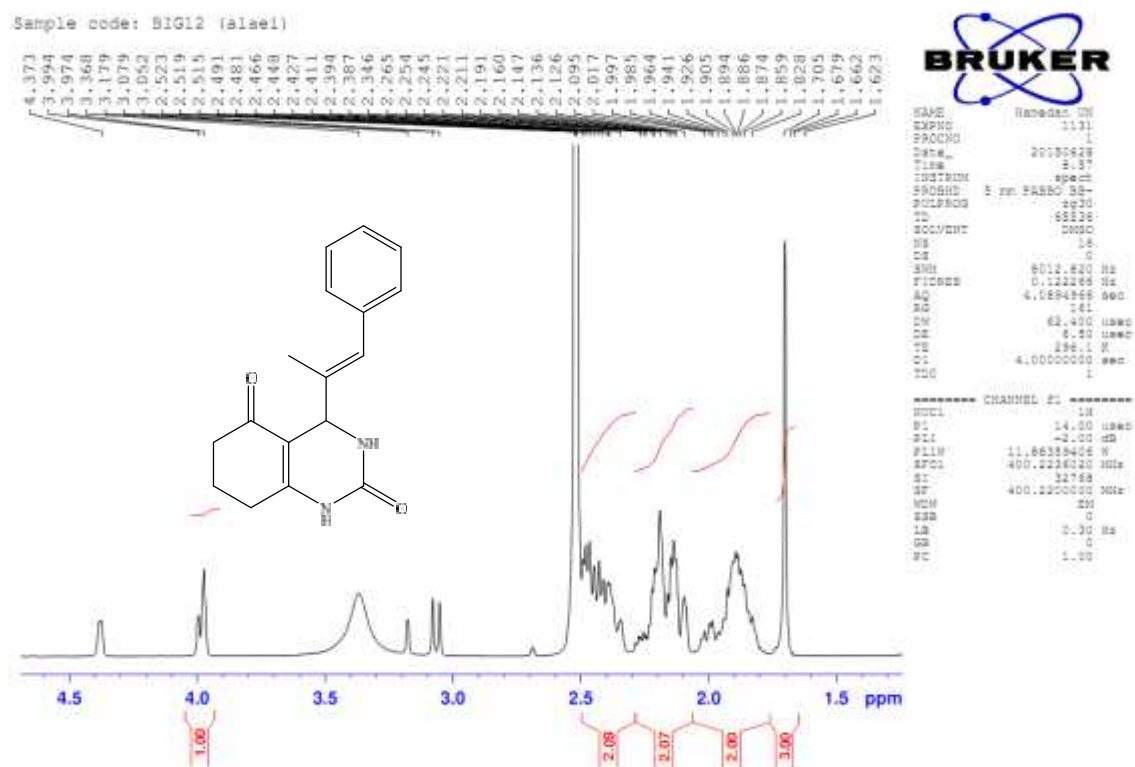


Fig S84. The ^1H NMR spectrum of 4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 12)

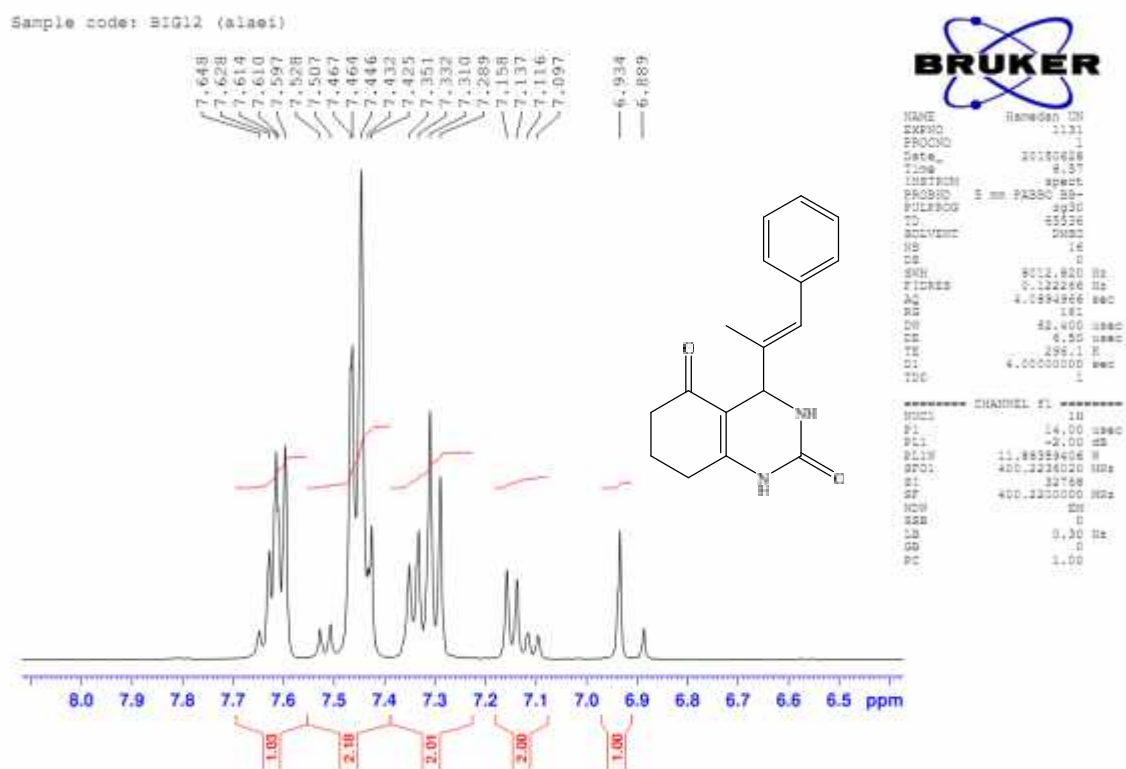


Fig S85. The ^{13}C NMR spectrum of 4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 12)

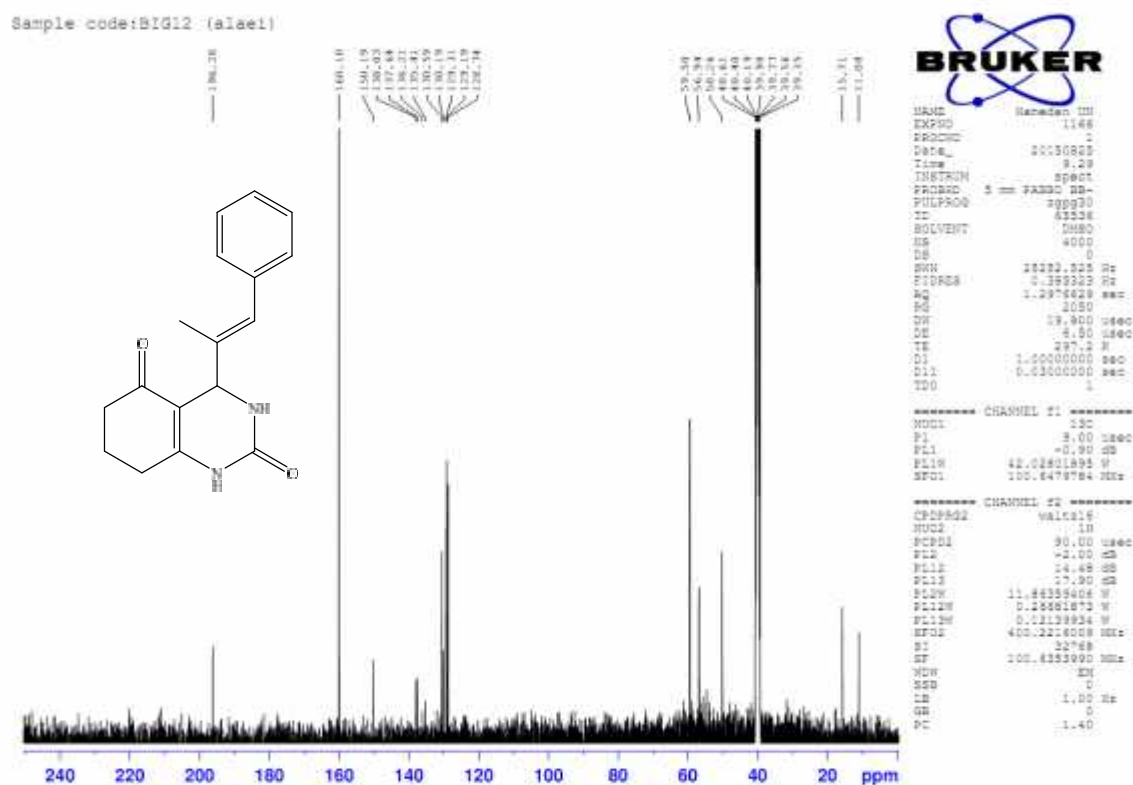


Fig S86. The ^{13}C NMR spectrum of 4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 12)

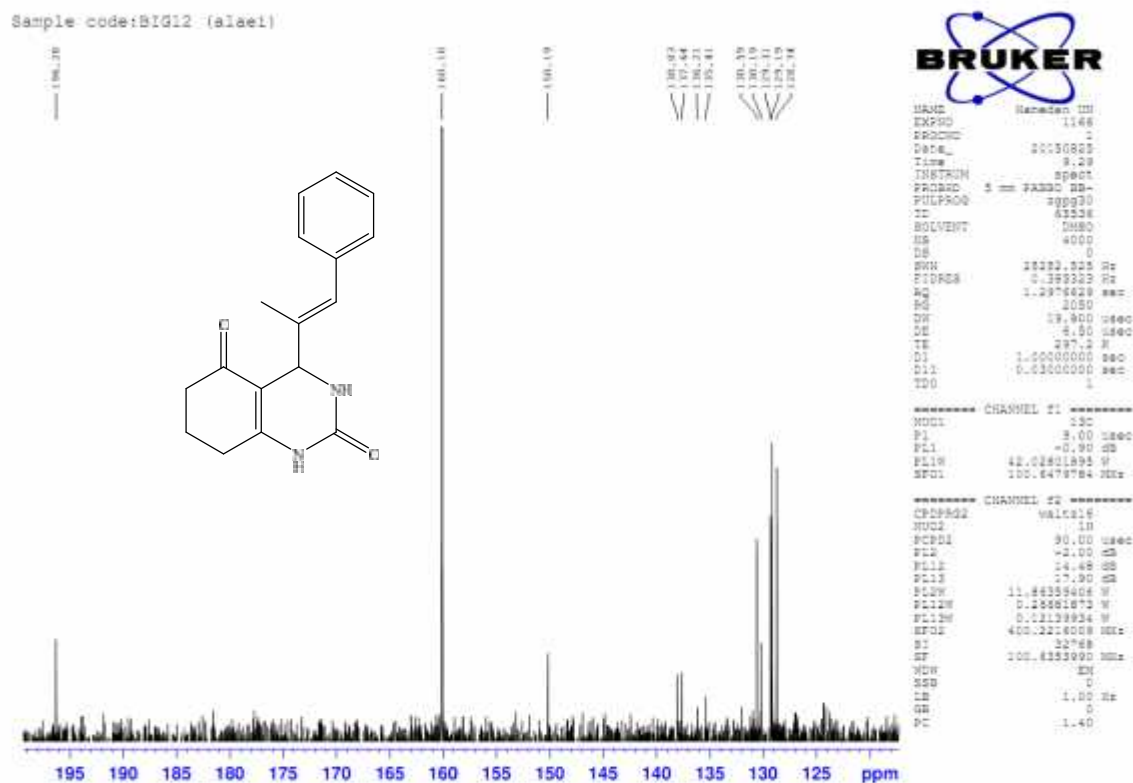


Fig S87. The mass spectrum of 4-(1-phenylprop-1-en-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 12)

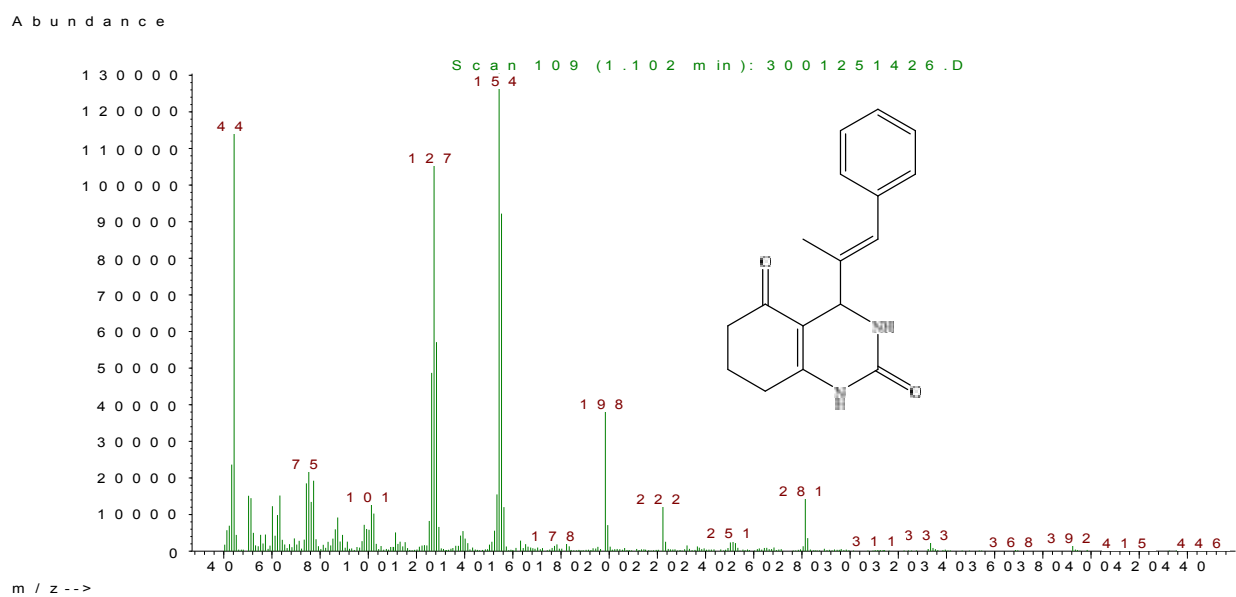


Fig S88. The IR spectrum of *ethyl 6-amino-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 13)

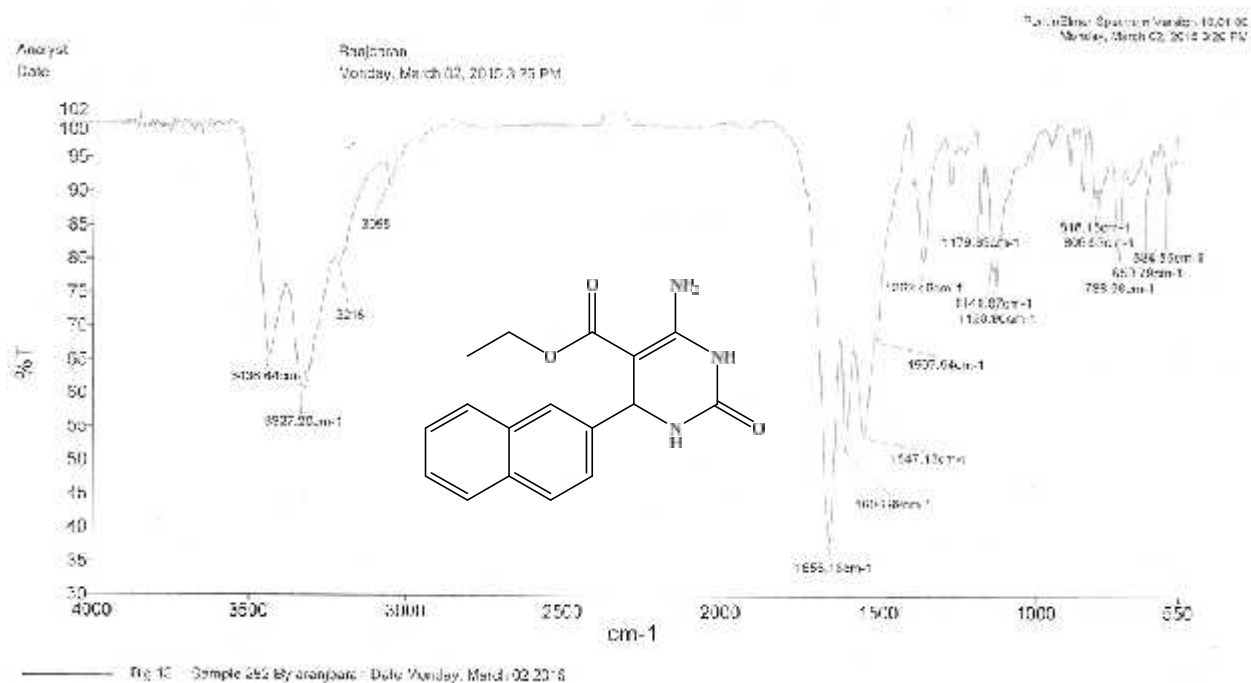


Fig S89. The ^1H NMR spectrum of *ethyl 6-amino-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 13)

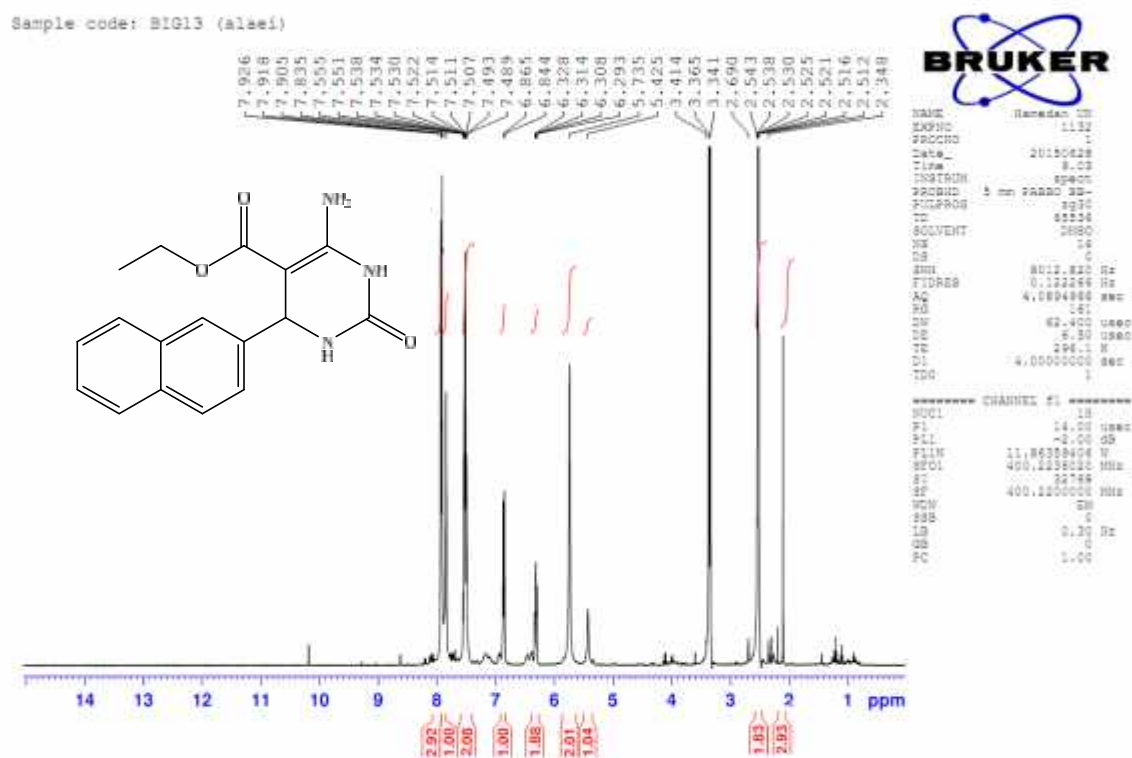


Fig S90. The ^1H NMR spectrum of ethyl 6-amino-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 13)

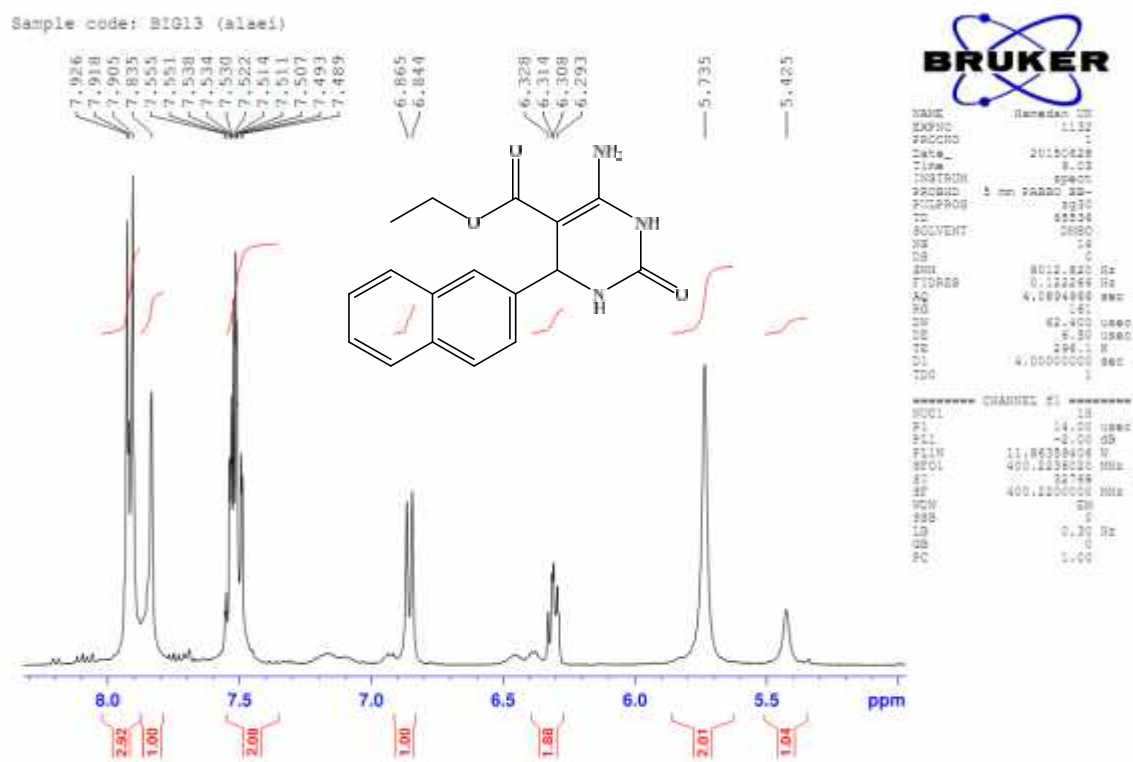


Fig S91. The ^{13}C NMR spectrum of *ethyl 6-amino-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 13)

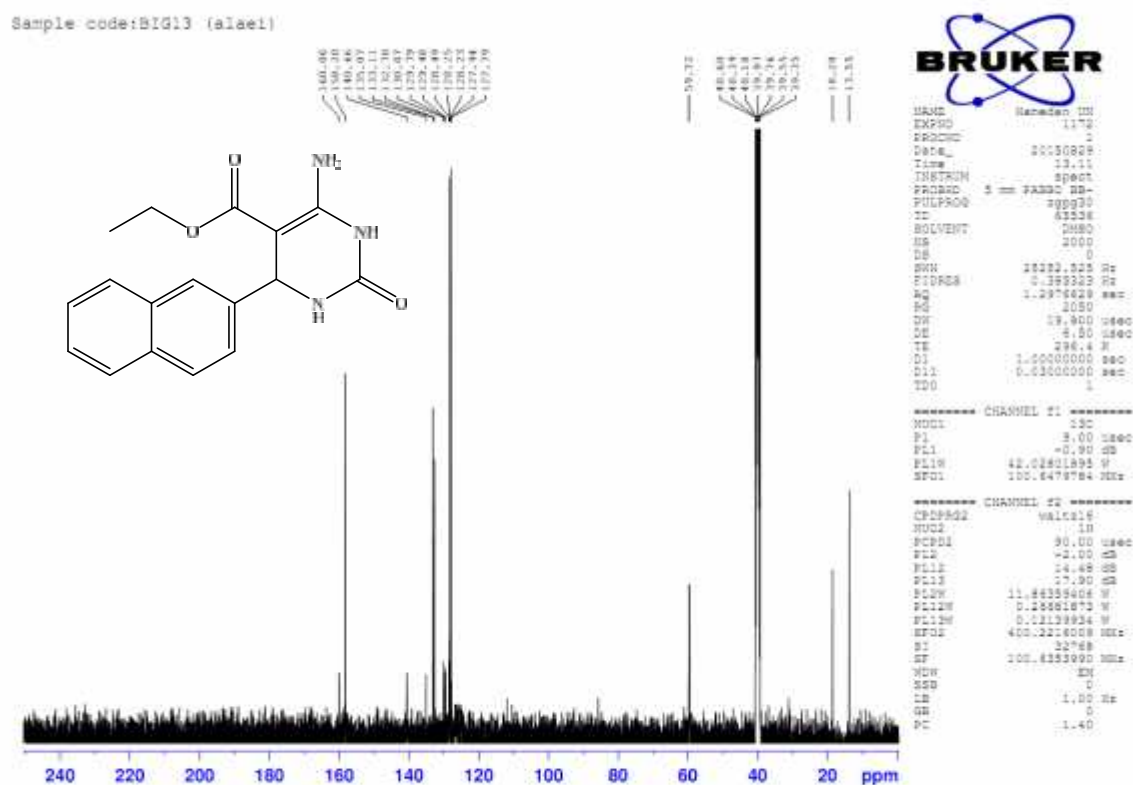


Fig S92. The ^{13}C NMR spectrum of *ethyl 6-amino-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 13)

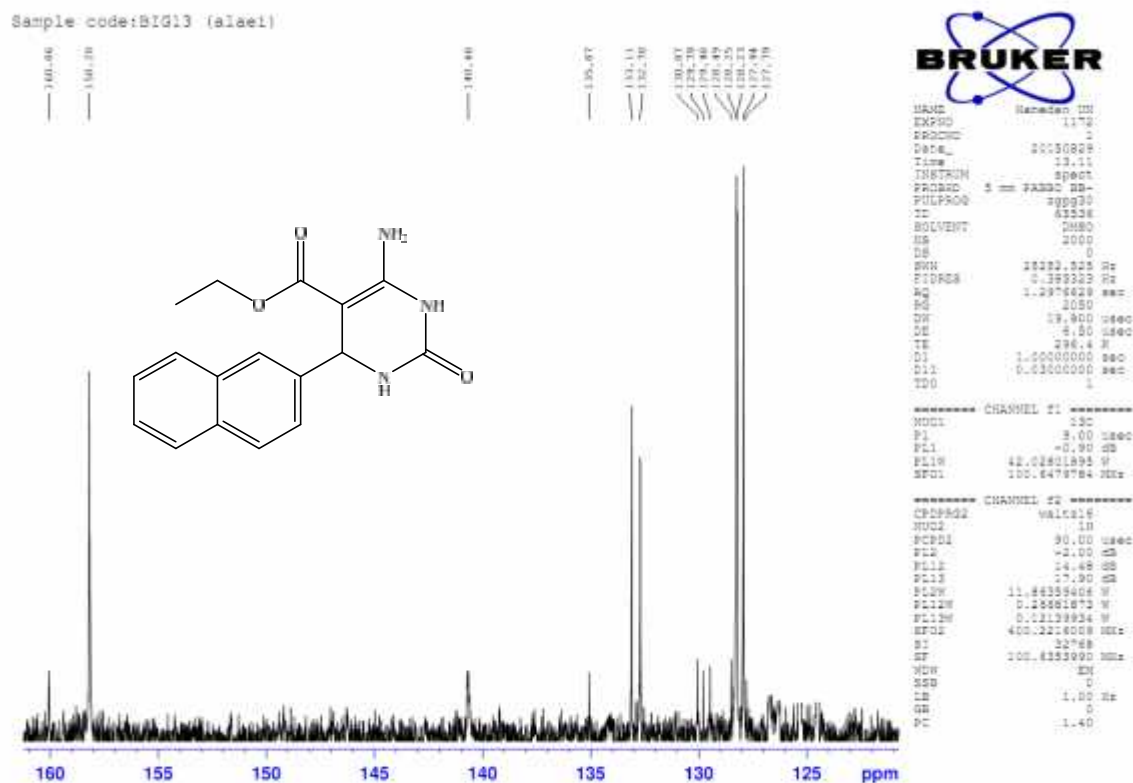


Fig S93. The mass spectrum of *ethyl 6-amino-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 13)

Abundance

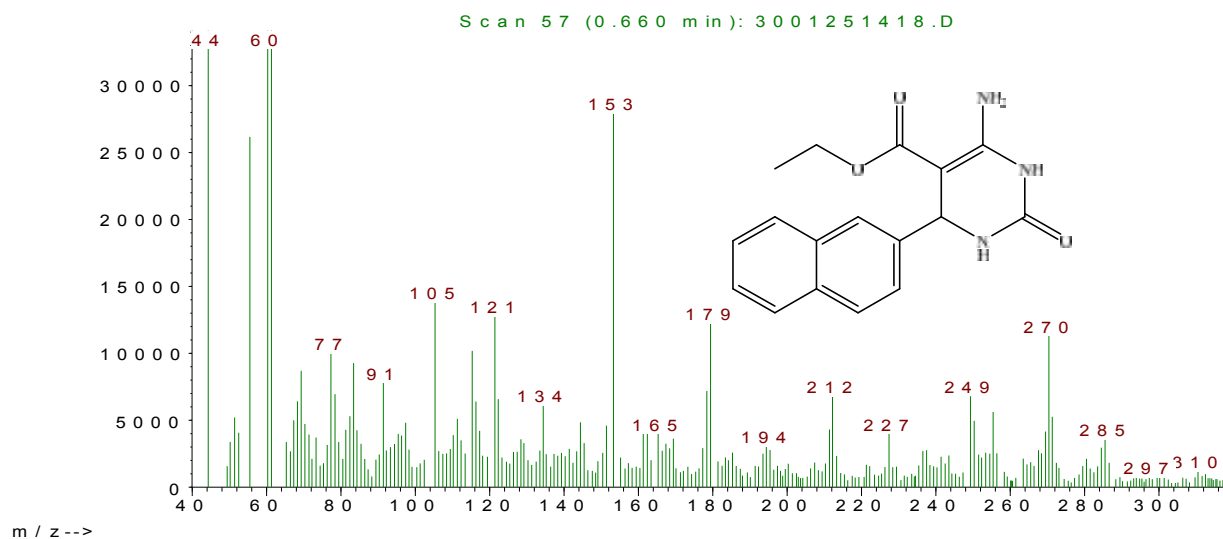


Fig S95. The ^1H NMR spectrum of 5-acetyl-6-methyl-4-(naphthalen-2-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 14)

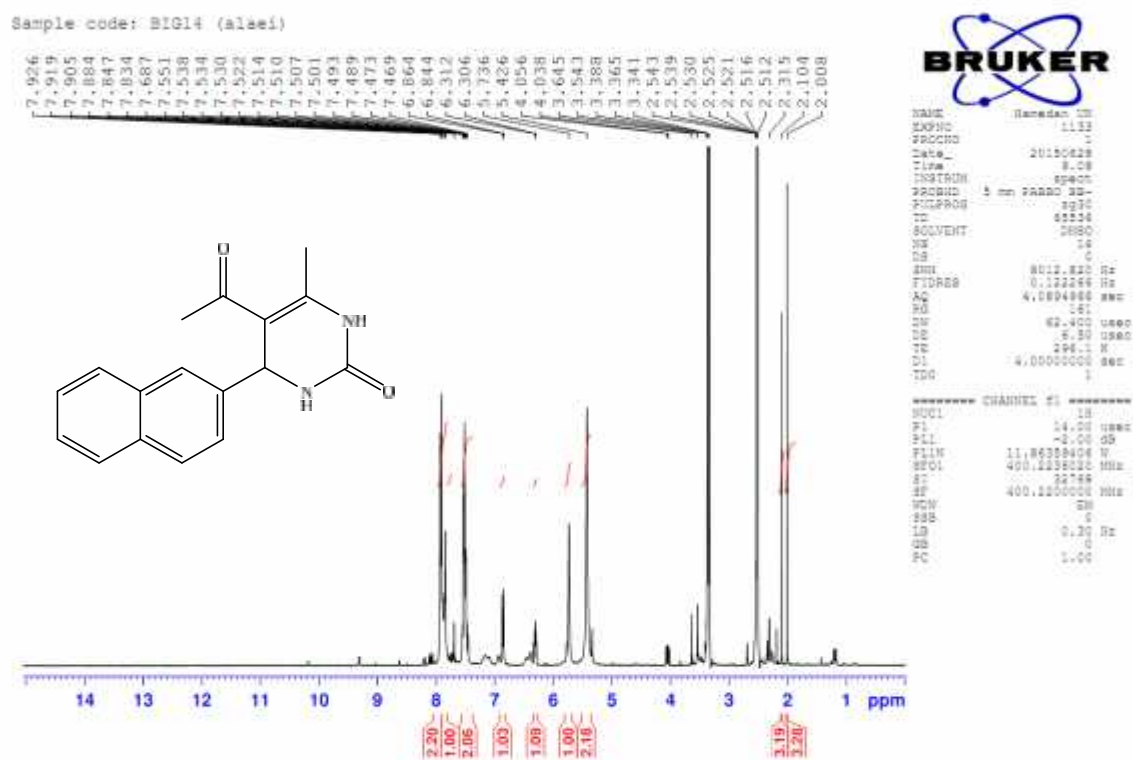


Fig S96. The ^1H NMR spectrum of 5-acetyl-6-methyl-4-(naphthalen-2-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 14)

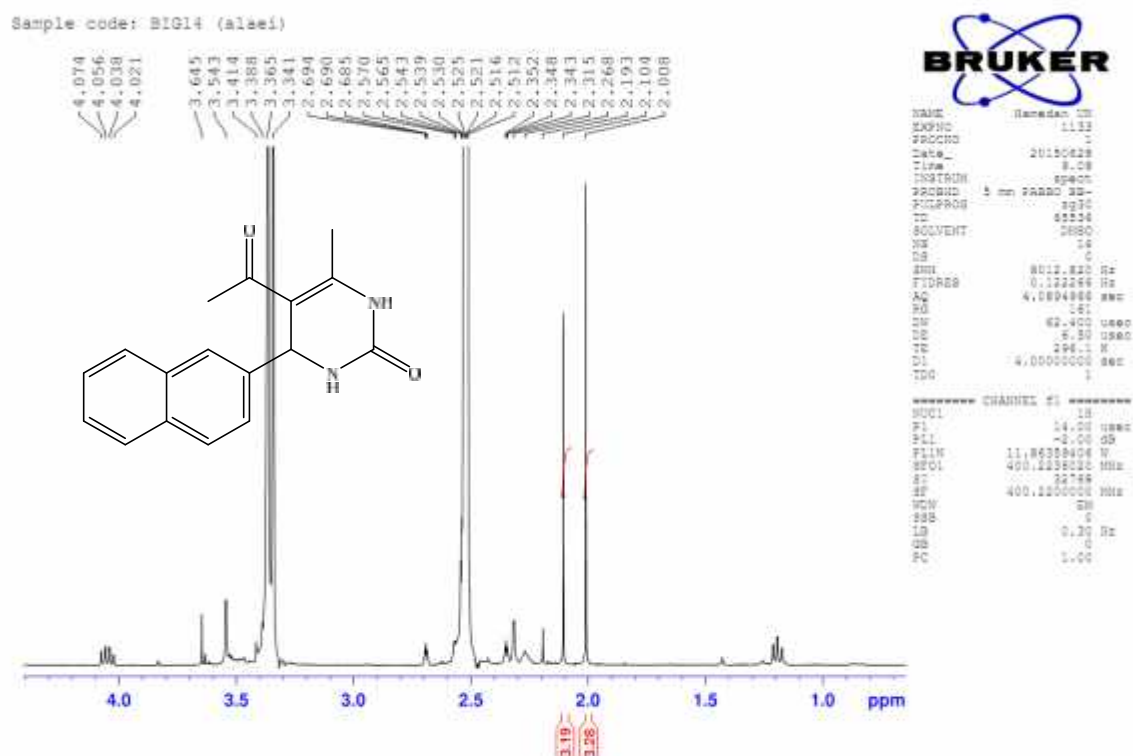


Fig S97. The ^1H NMR spectrum of 5-acetyl-6-methyl-4-(naphthalen-2-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 14)

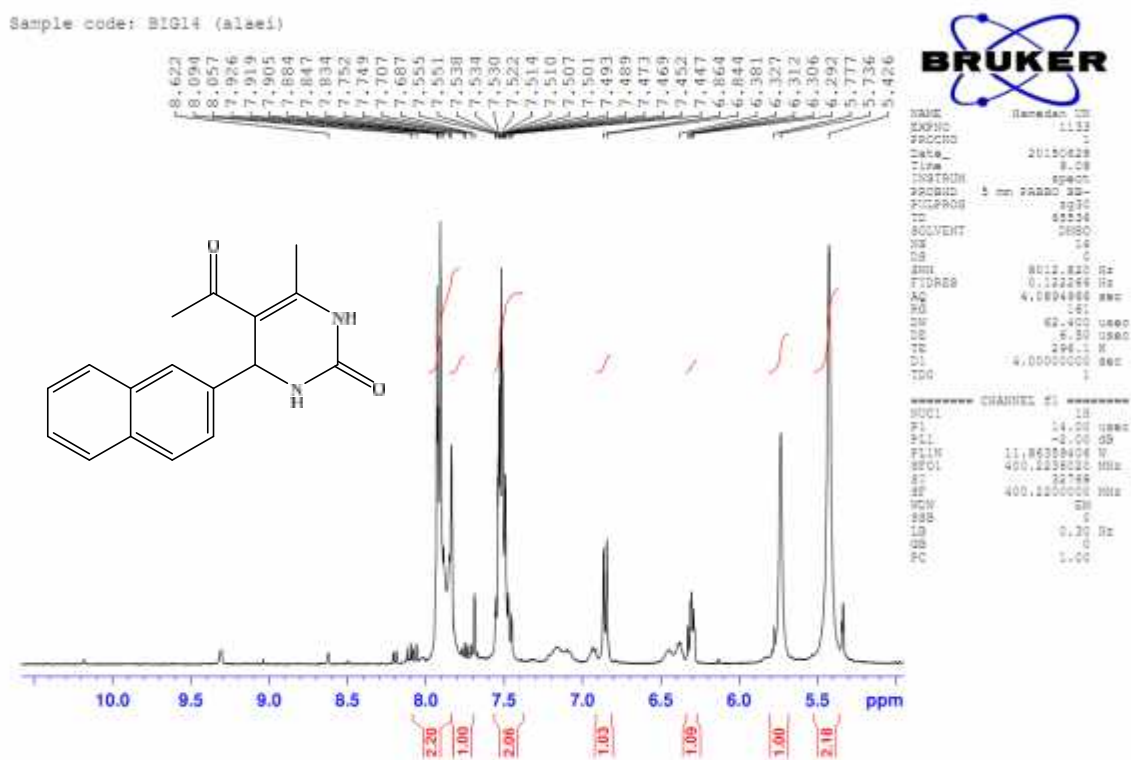


Fig S98. The ^{13}C NMR spectrum of 5-acetyl-6-methyl-4-(naphthalen-2-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 14)

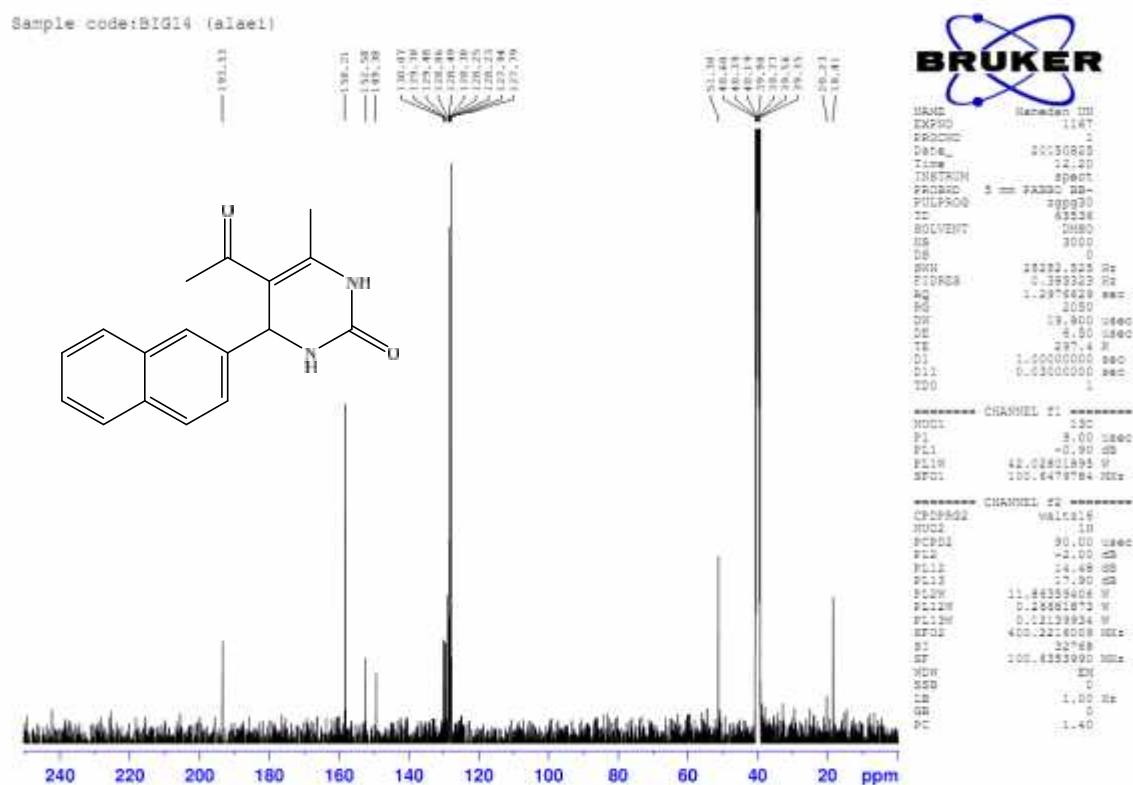


Fig S100. The ^{13}C NMR spectrum of 5-acetyl-6-methyl-4-(naphthalen-2-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 14)

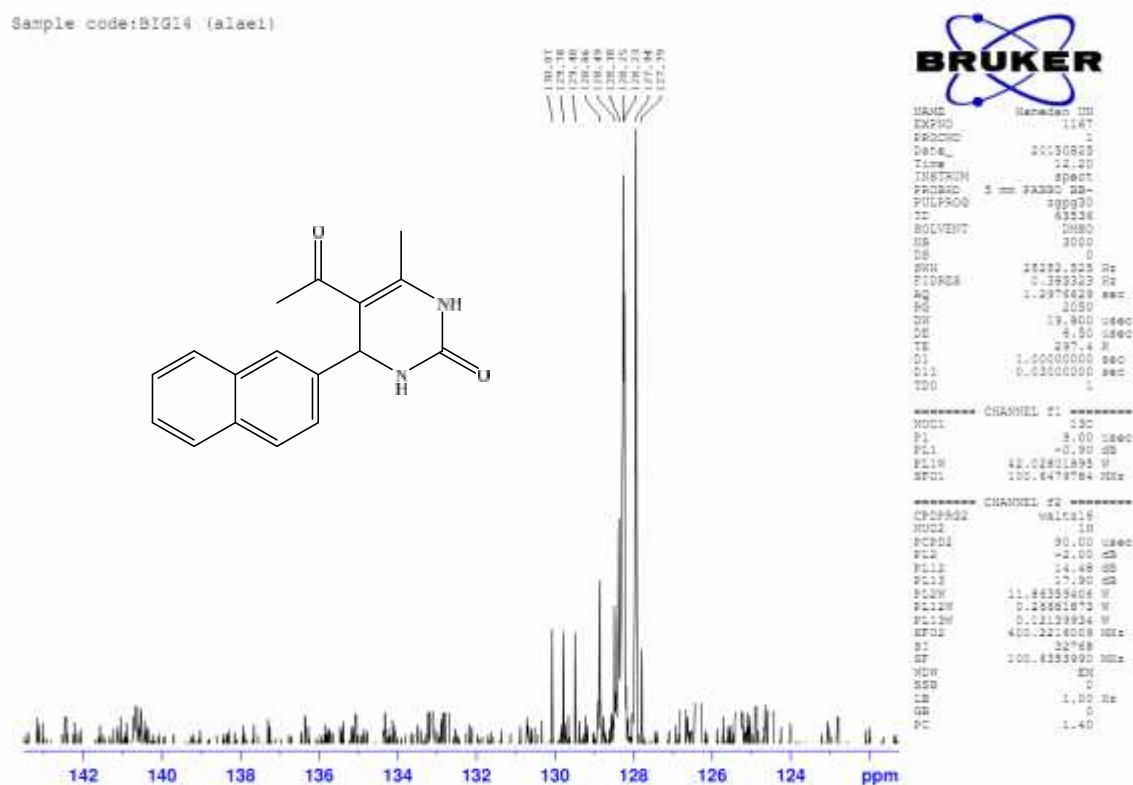


Fig S101. The mass spectrum of 5-acetyl-6-methyl-4-(naphthalen-2-yl)-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 14)

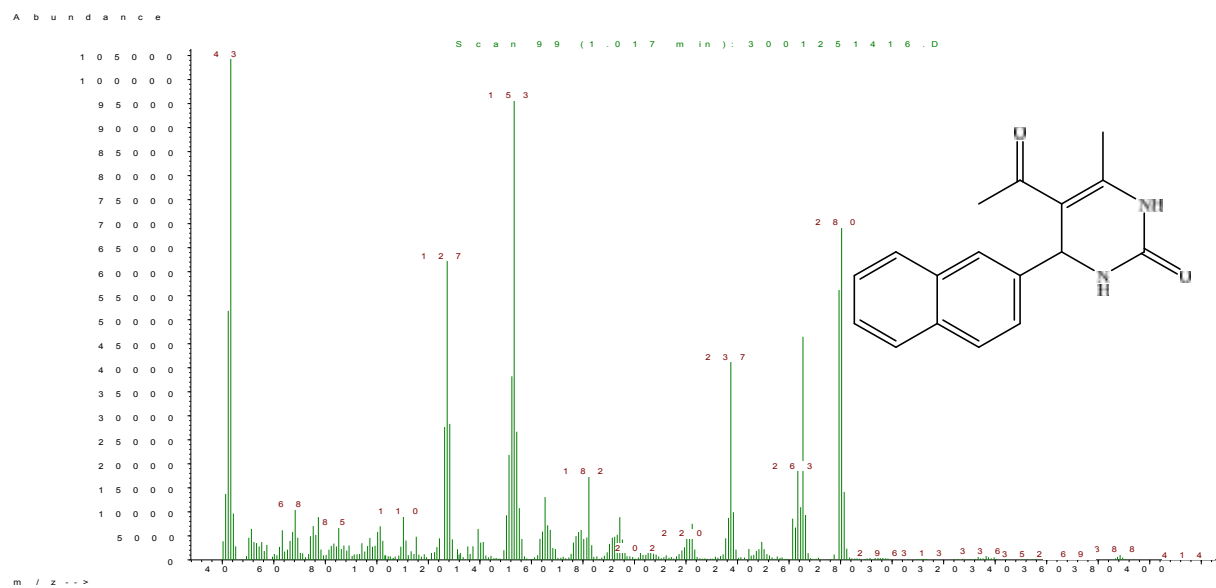


Fig S102. The IR spectrum of *methyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 15)

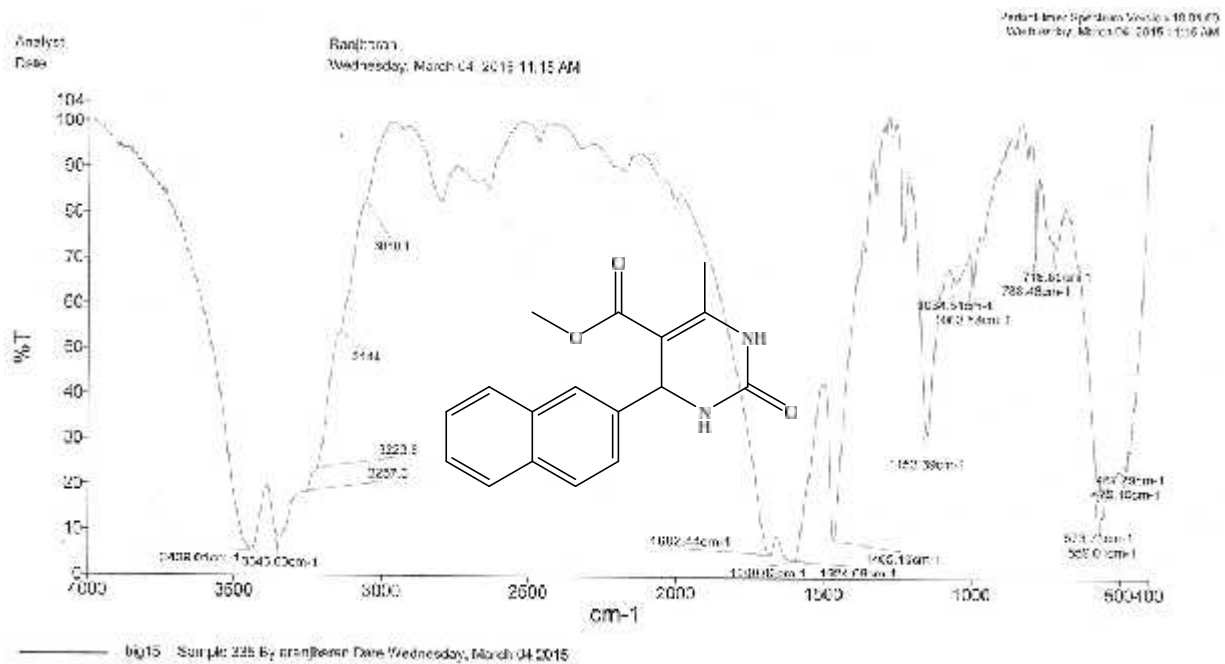


Fig S103. The ^1H NMR spectrum of methyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 15)

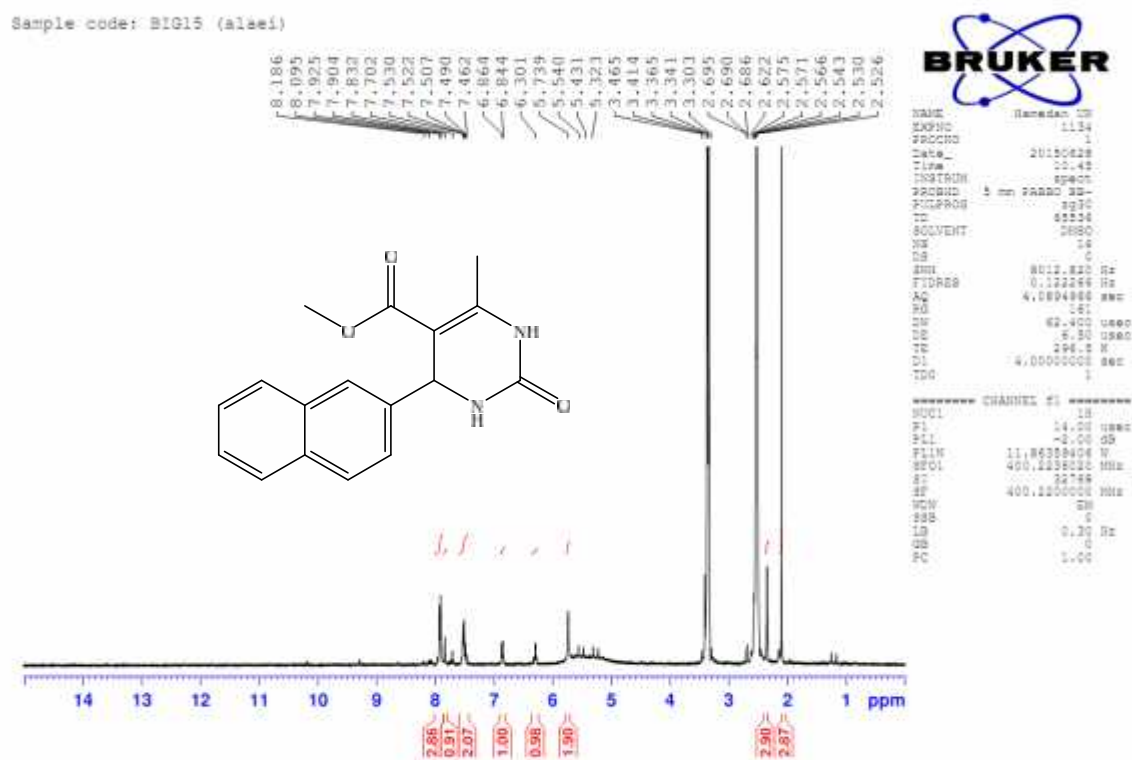


Fig S104. The ^1H NMR spectrum of methyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 15)

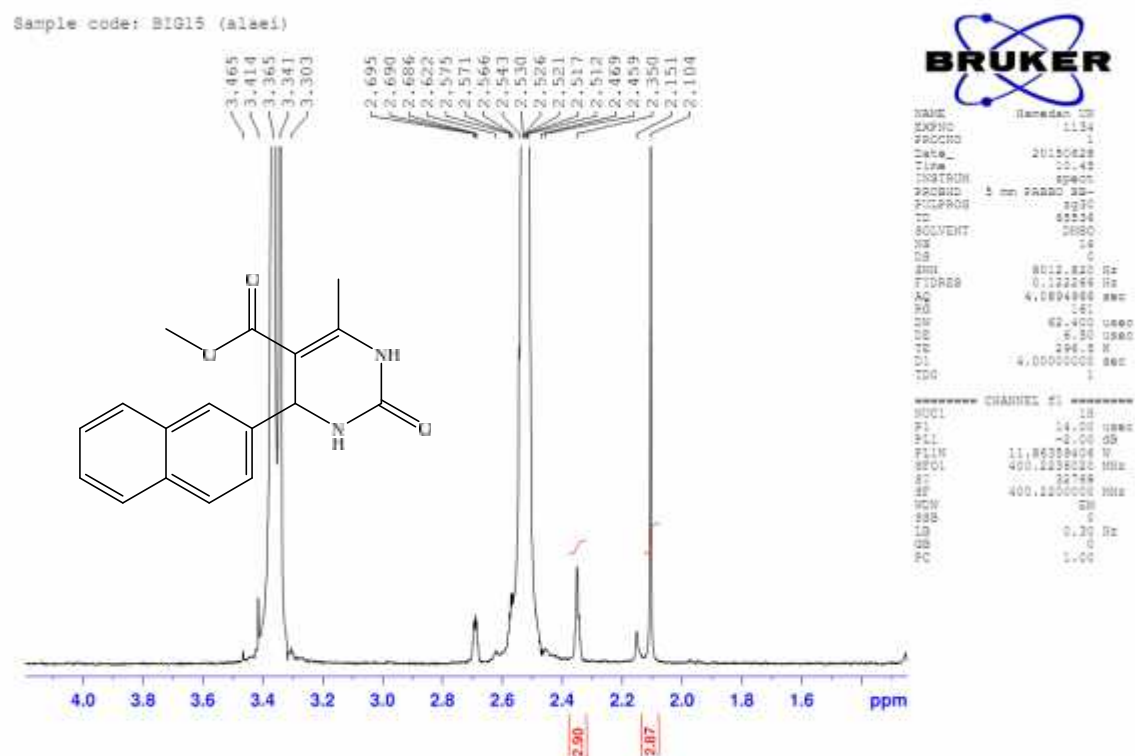


Fig S105. The ^1H NMR spectrum of methyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 15)

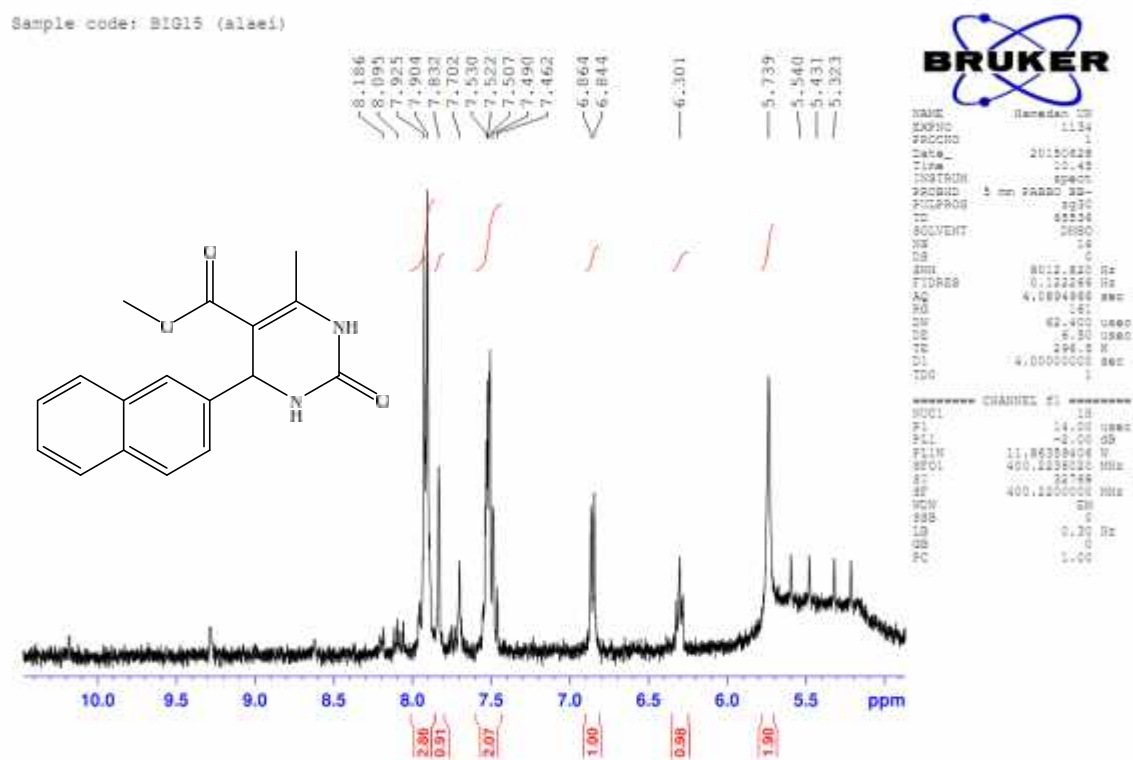


Fig S106. The ^1H NMR spectrum of methyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 15)

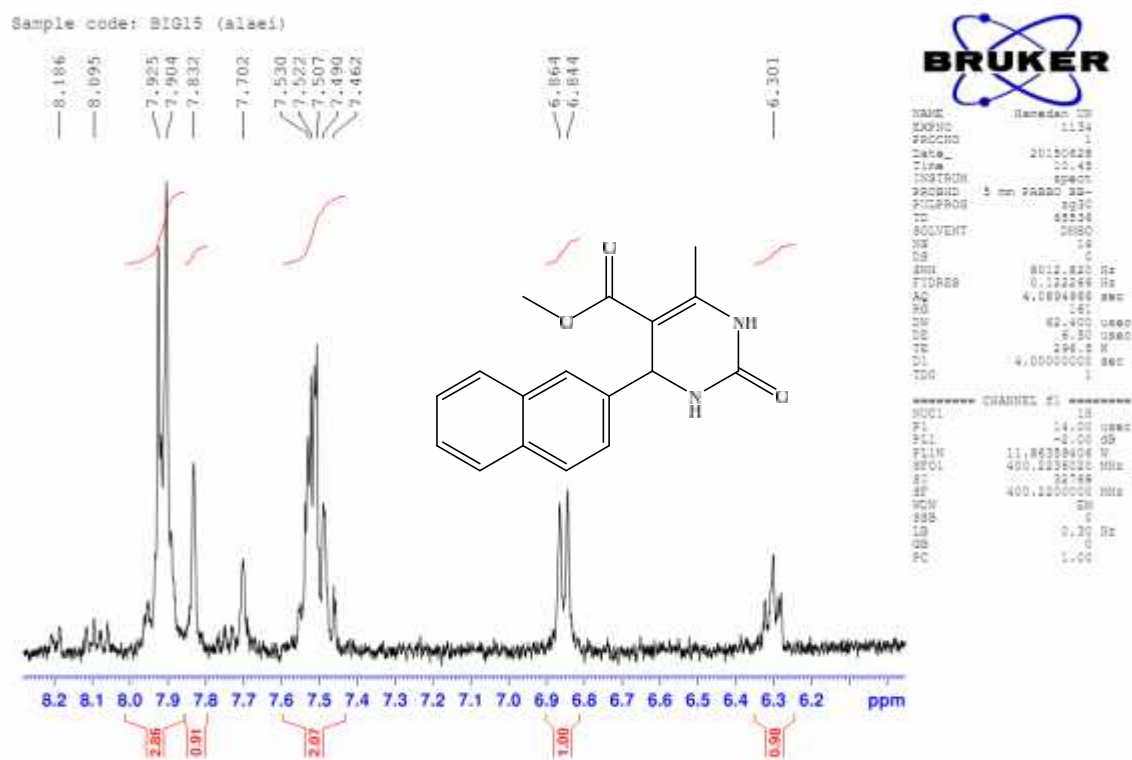


Fig S107. The ^{13}C NMR spectrum of methyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 15)

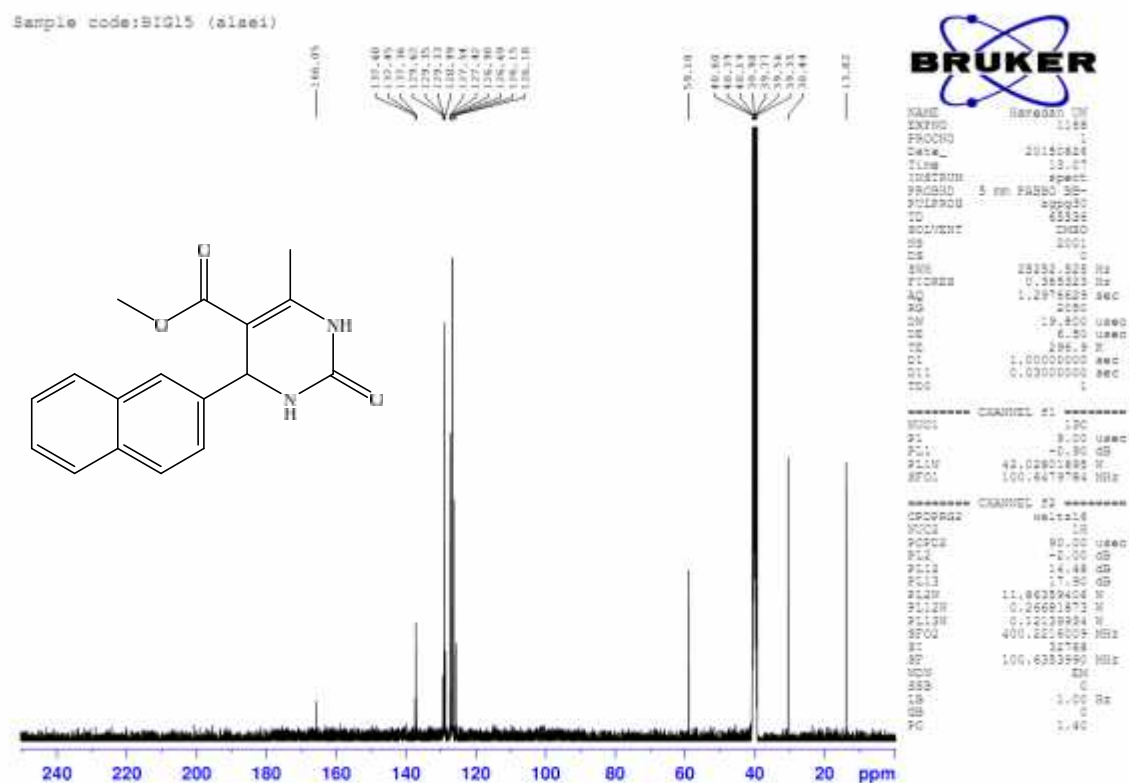


Fig S108. The ^{13}C NMR spectrum of methyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 15)

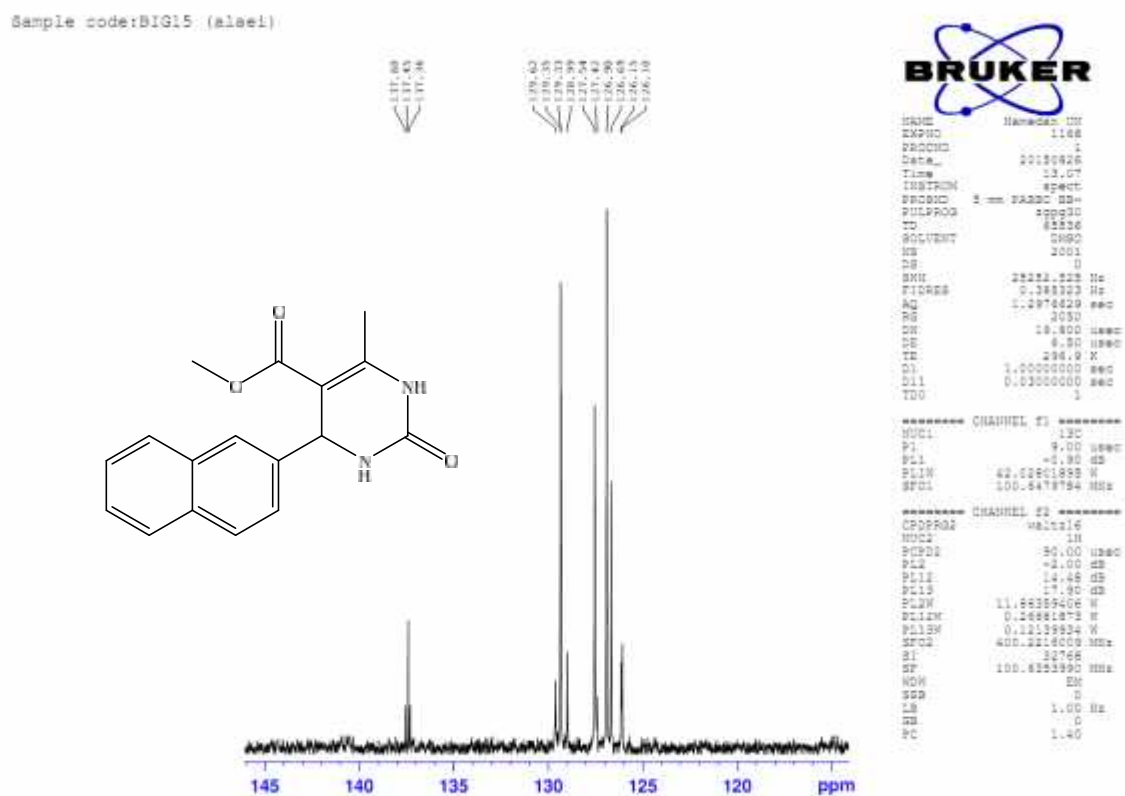


Fig S109. The mass spectrum of *methyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 15)

Abundance

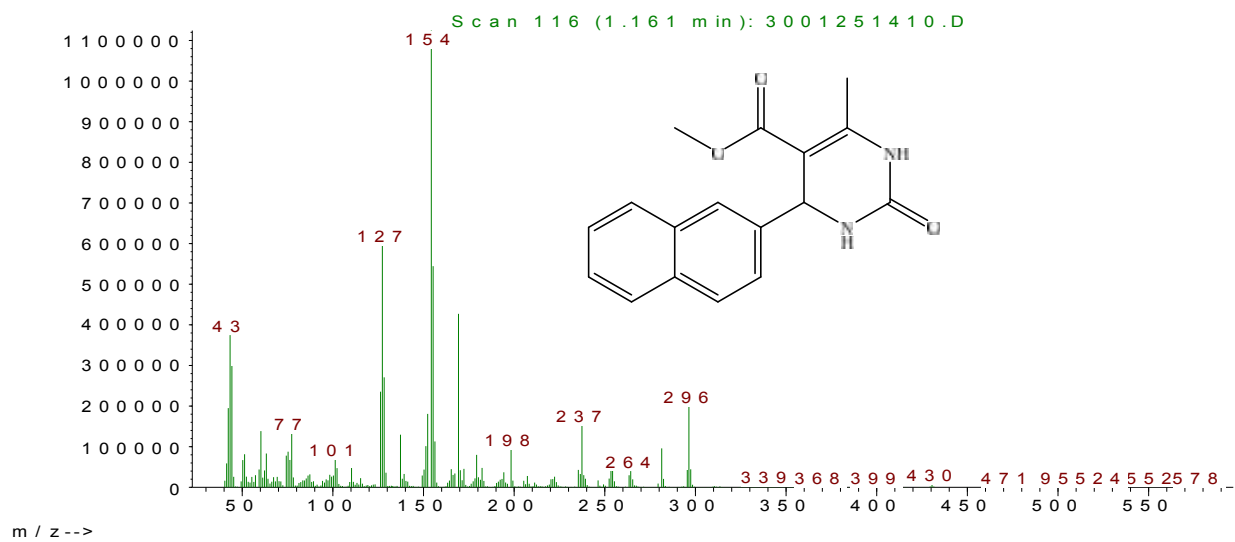


Fig S110. The IR spectrum of *ethyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 16)

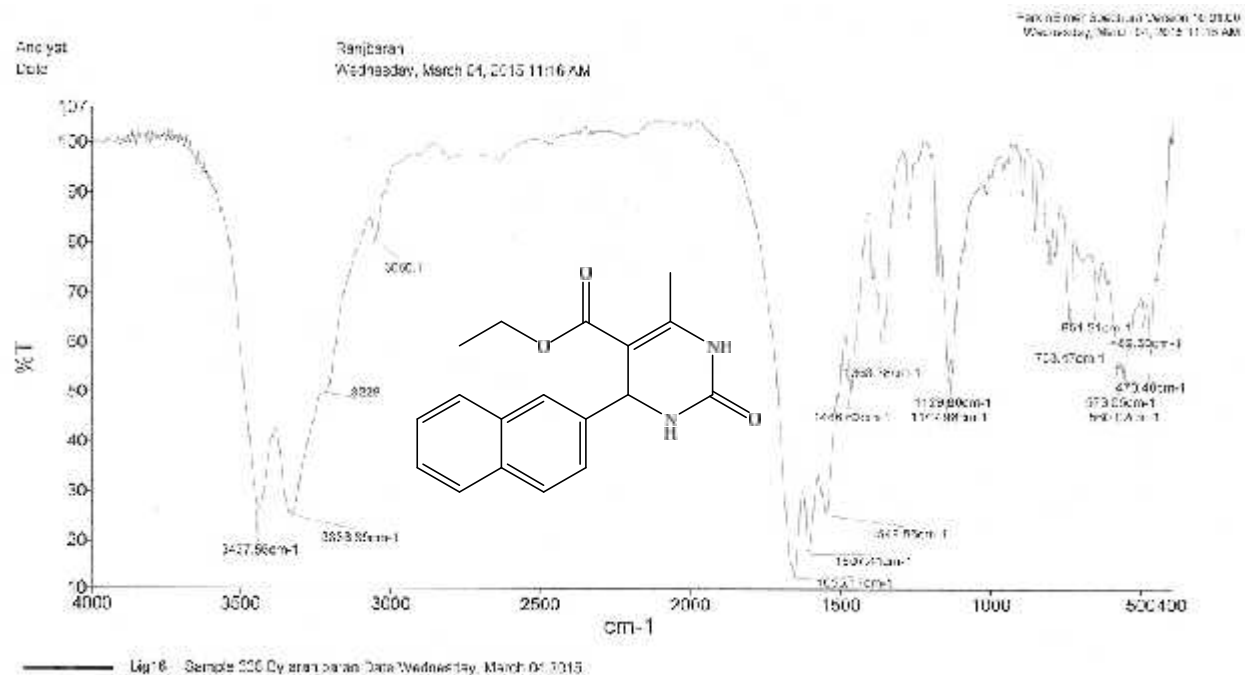


Fig S111. The ^1H NMR spectrum of *ethyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 16)

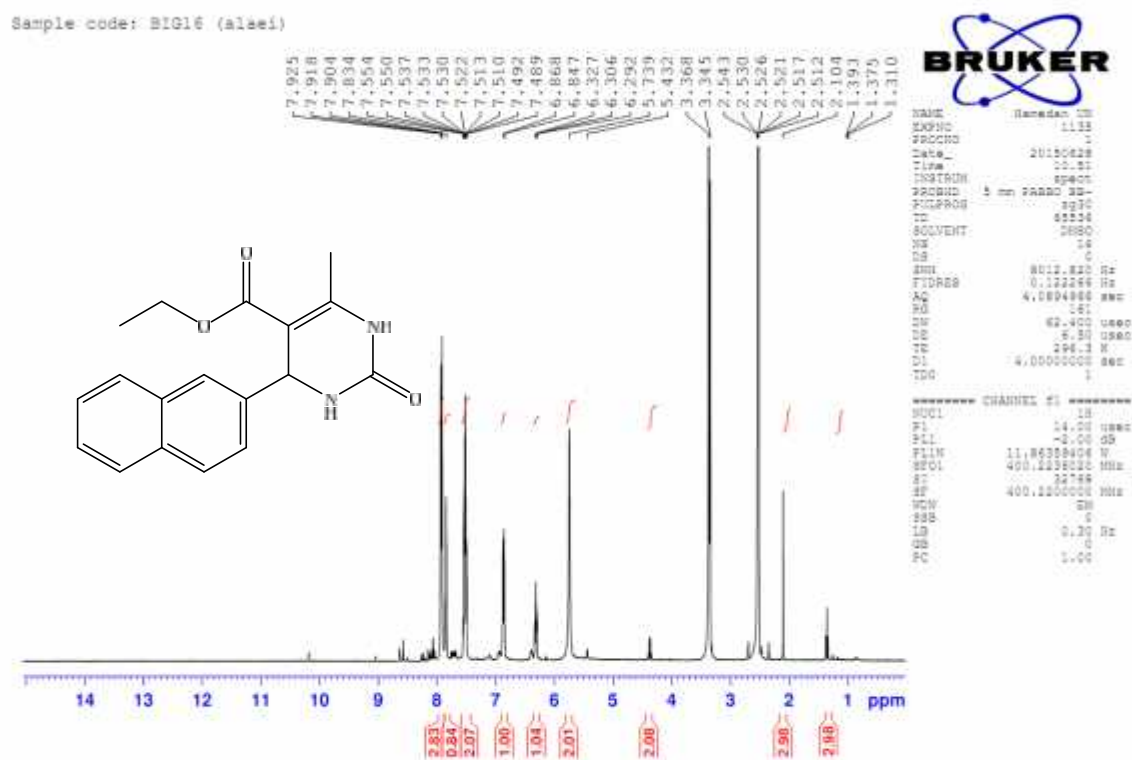


Fig S112. The ^1H NMR spectrum of *ethyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 16)

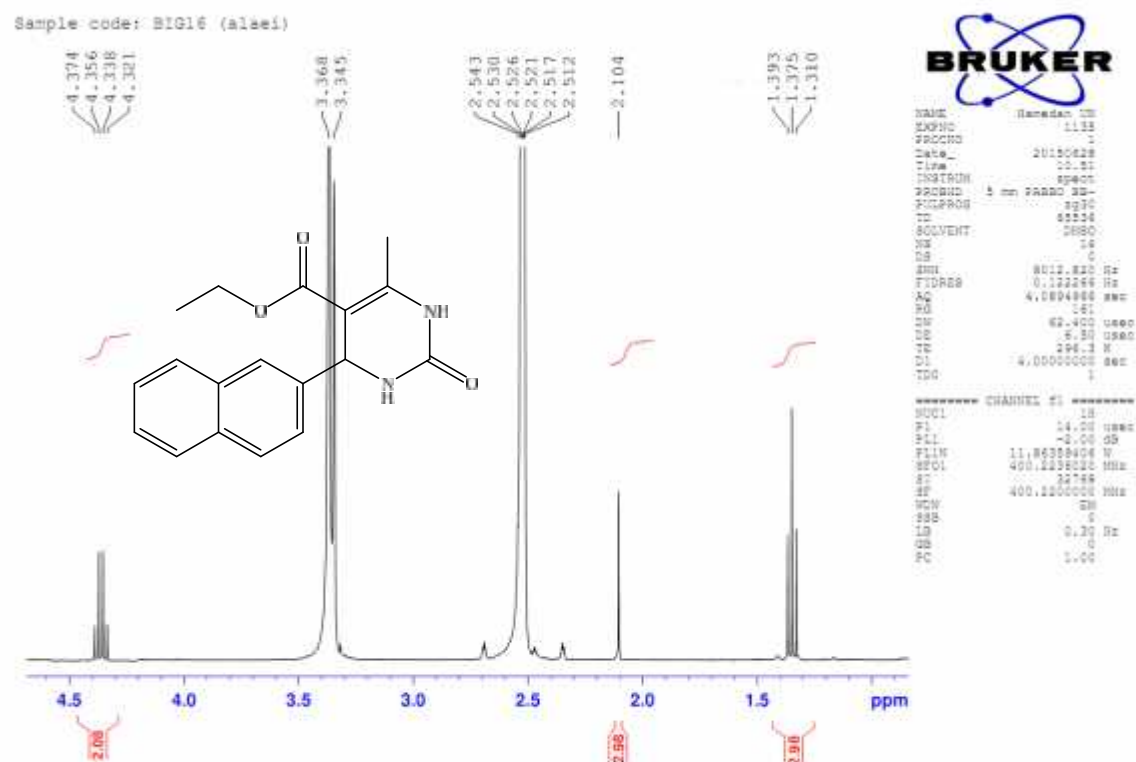


Fig S113. The ^1H NMR spectrum of *ethyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 16)

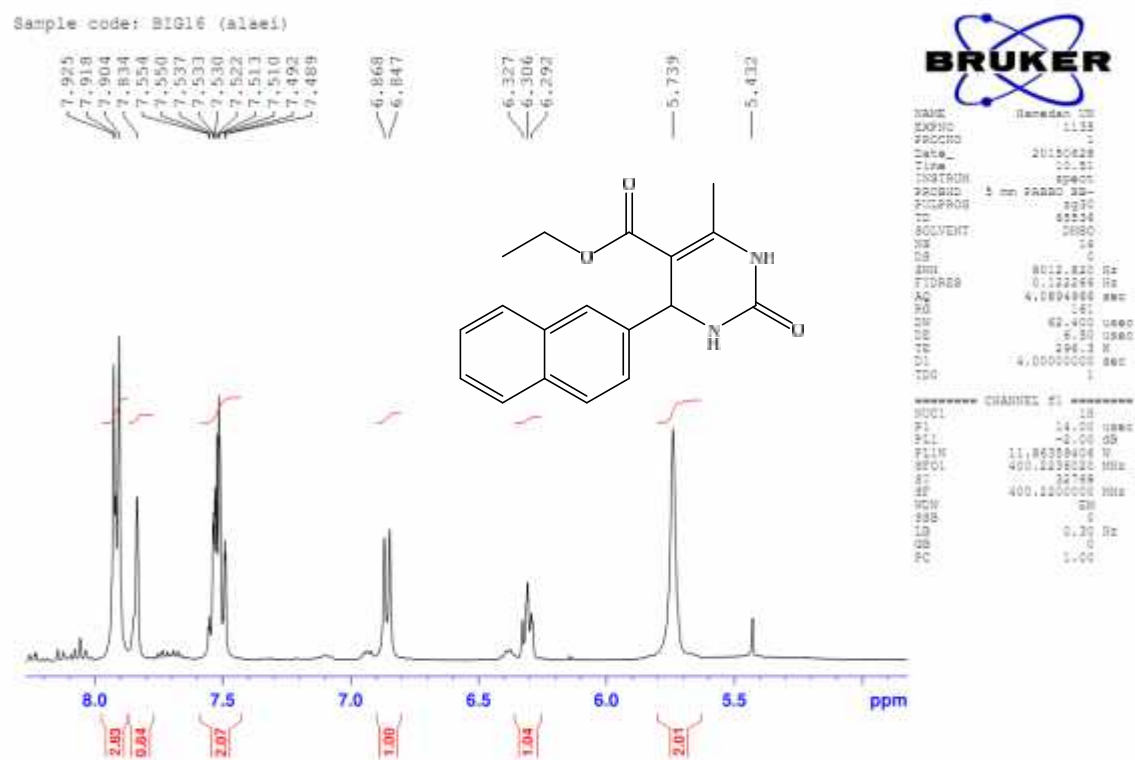


Fig S114. The ^{13}C NMR spectrum of *ethyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 16)

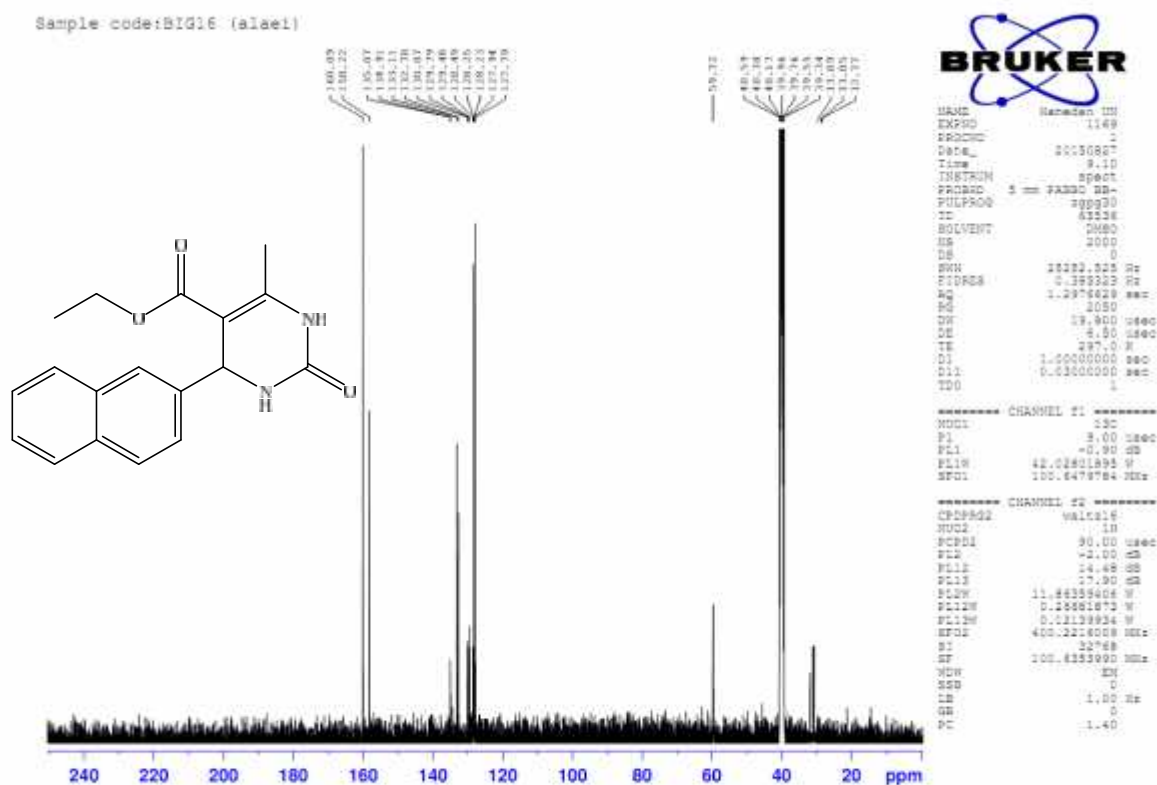
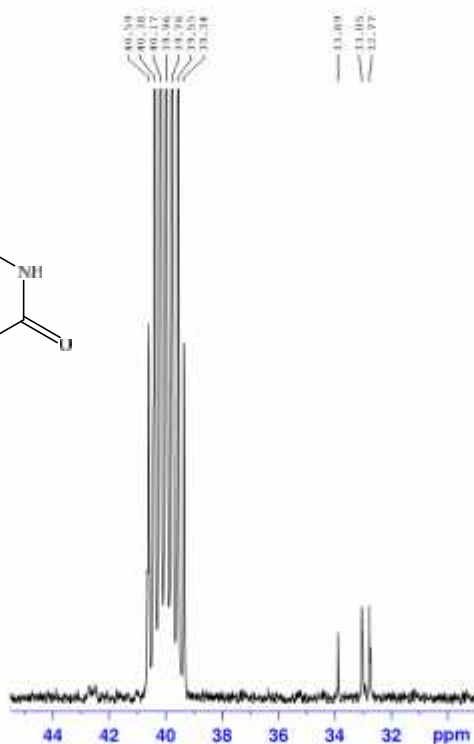
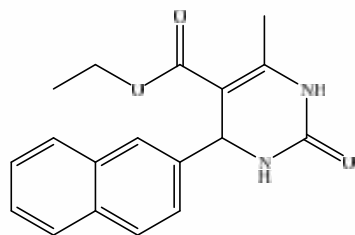


Fig S115. The ^{13}C NMR spectrum of ethyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 16)

Sample code: BiG16 (ala1)



NAME: Hameed, M
EXPNO: 1168
PROCNO: 1
Date_: 20100827
Time: 9.10
INSTRUM: spect
PROBHD: 5 mm QNP 1H-
PULPROG: zgpg30
TD: 65536
SOLVENT: DMSO
NS: 2000
DS: 4
SWH: 25292.828 Hz
FIDRES: 0.385323 Hz
AQ: 1.2976628 sec
RG: 3050
CH: 18.800 usec
TE: 4.50 usec
TE: 297.0 K
C1: 1.0000000 sec
C11: 0.0000000 sec
TD0: 1

===== CHANNEL f1 =====
NUC1: 13C
P1: 9.00 usec
PL1: 0.90 dB
PL12: 42.0281898 Hz
SFO1: 100.6479764 MHz

===== CHANNEL f2 =====
CPDPRG2: waltz16
NUC2: 1H
PCPD2: 90.00 usec
PL2: 0.00 dB
PL13: 14.45 dB
PL14: 17.90 dB
PL15: 11.86329406 Hz
PL12W: 0.24681873 Hz
PL13W: 0.12025934 Hz
STG2: 400.2208009 MHz
SI: 32768
SF: 100.6253990 MHz
SWH: 201
SFO2: 400.1506179 MHz
LB: 1.00 Hz
GB: 0
PC: 1.40

Fig S116. The ^{13}C NMR spectrum of *ethyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 16)

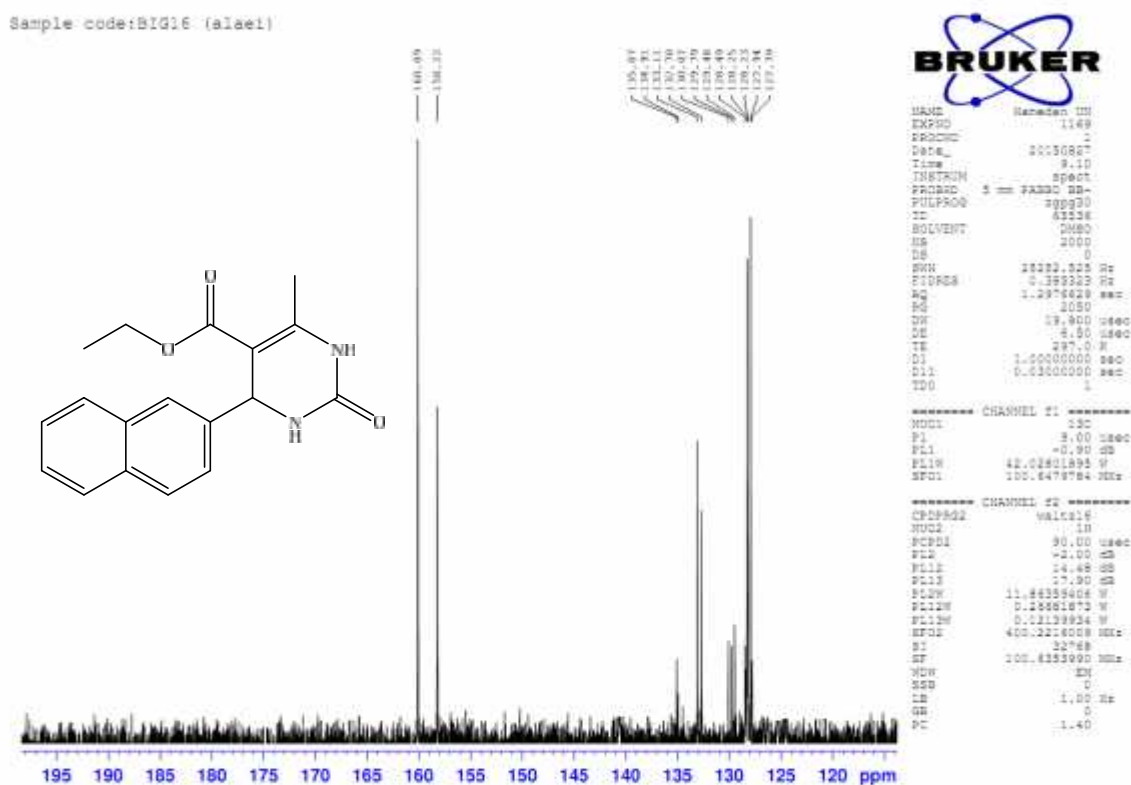


Fig S117. The ^{13}C NMR spectrum of *ethyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 16)

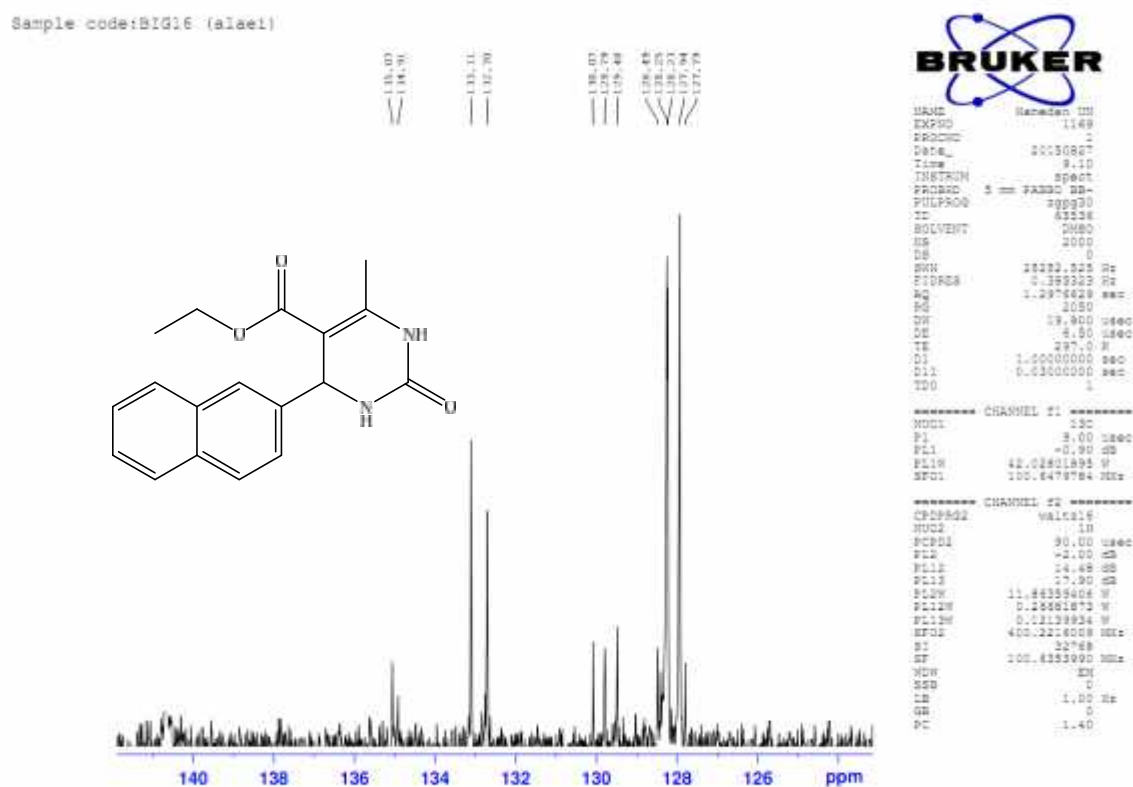


Fig S118. The mass spectrum of *ethyl 6-methyl-4-(naphthalen-2-yl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 16)

Abundance

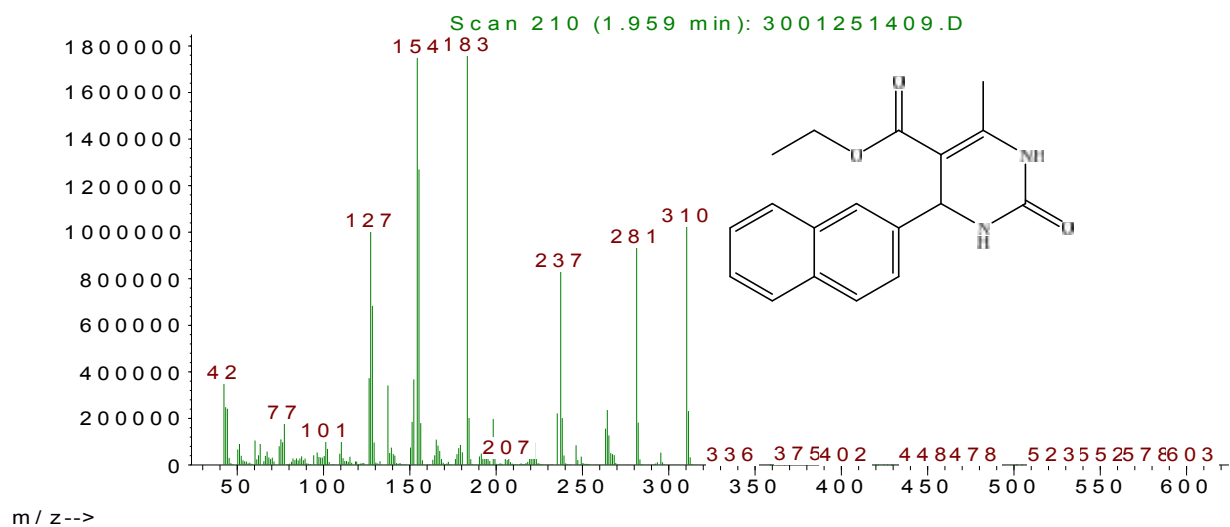


Fig S119. The IR spectrum of 7,7-dimethyl-4-(naphthalen-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 17)

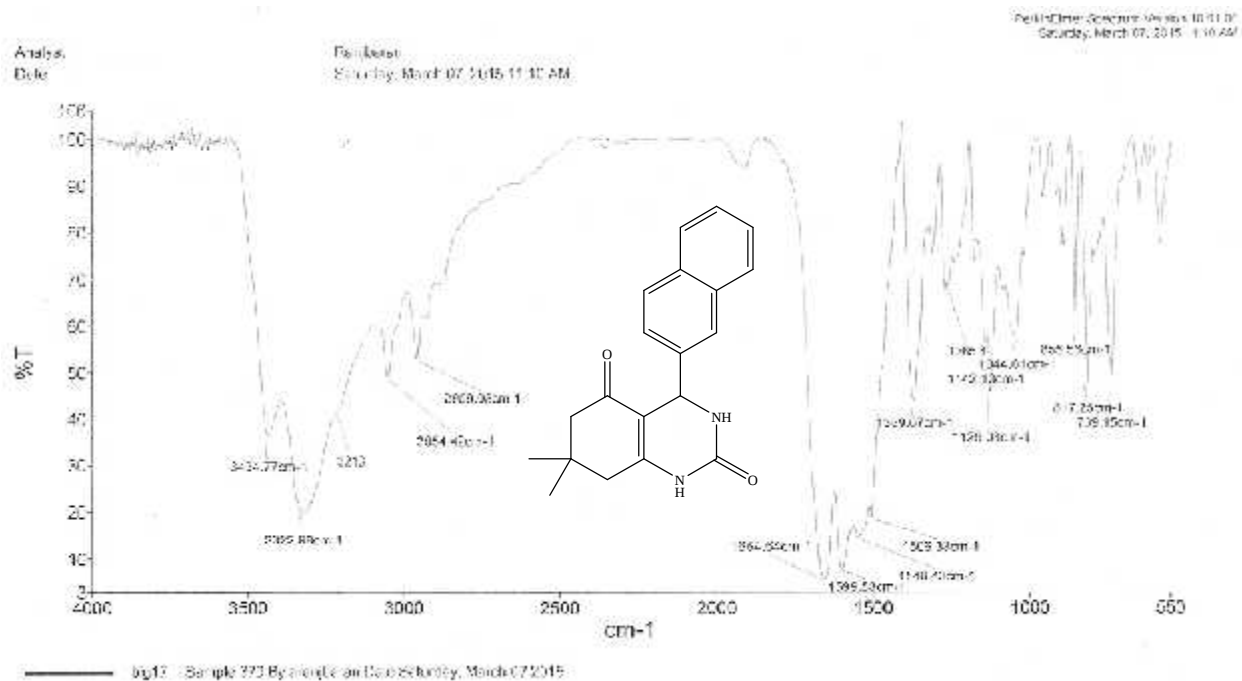


Fig S120. The ^1H NMR spectrum of 7,7-dimethyl-4-(naphthalen-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 17)

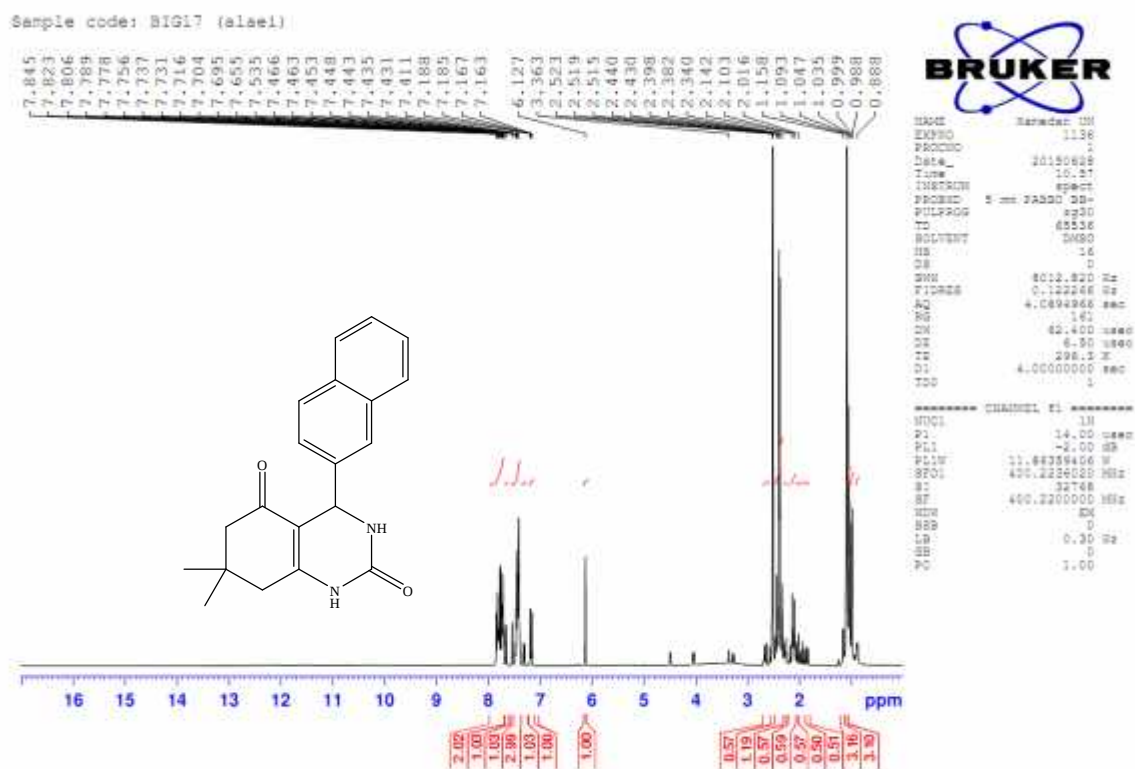


Fig S121. The ^1H NMR spectrum of 7,7-dimethyl-4-(naphthalen-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 17)

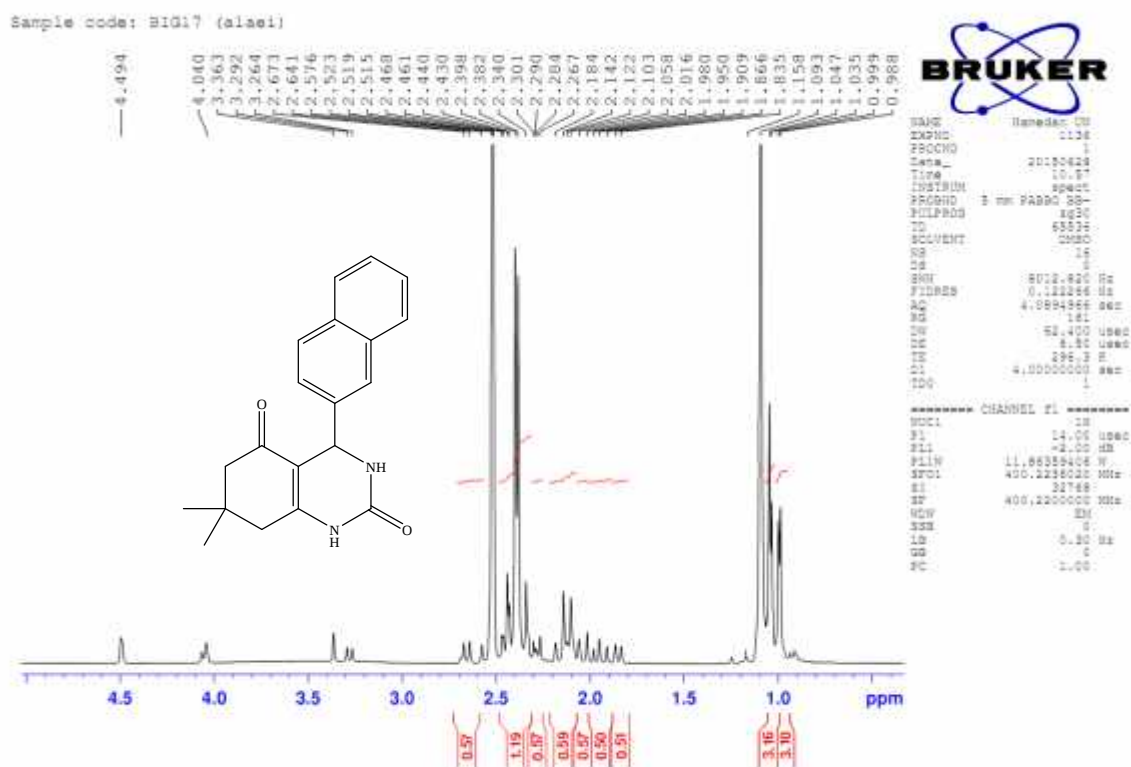


Fig S122. The ^1H NMR spectrum of 7,7-dimethyl-4-(naphthalen-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 17)

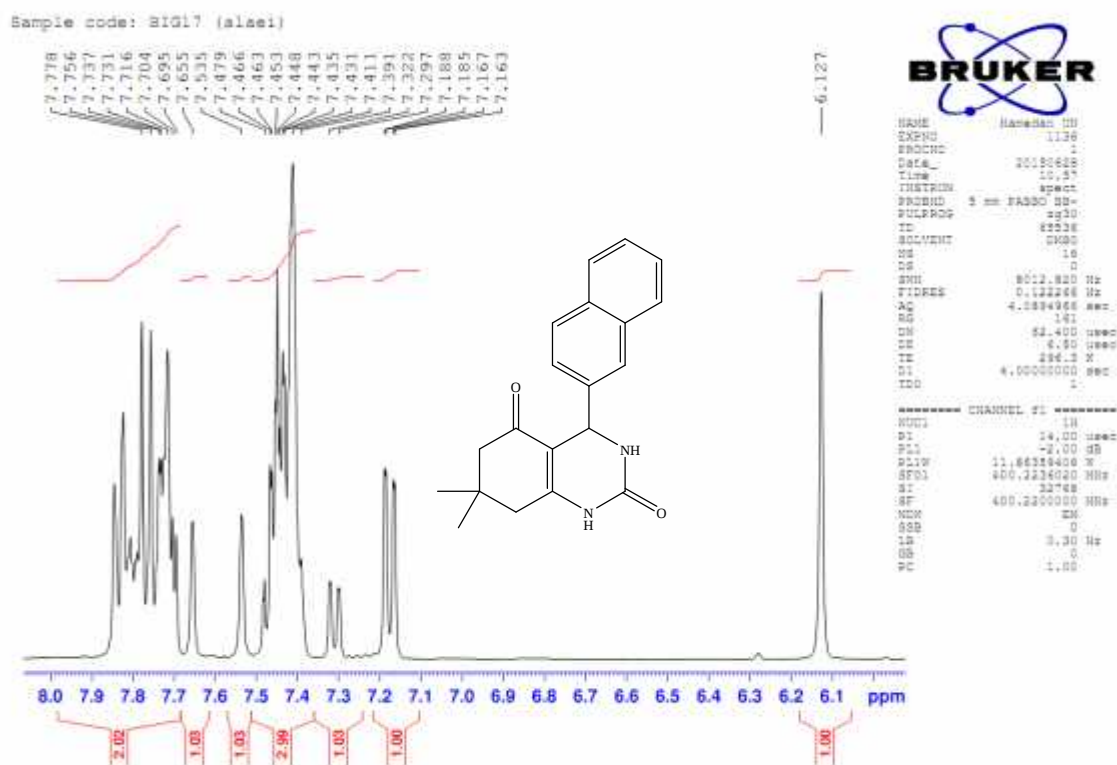


Fig S123. The ^{13}C NMR spectrum of 7,7-dimethyl-4-(naphthalen-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 17)

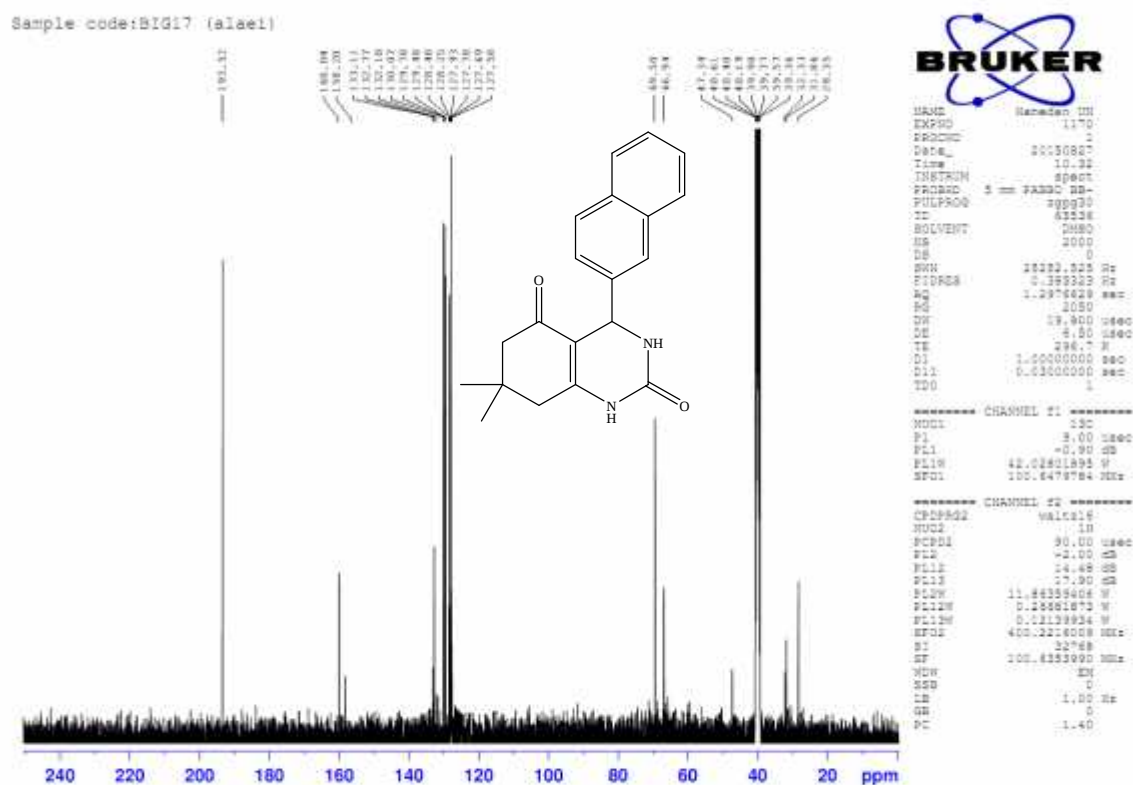


Fig S124. The ^{13}C NMR spectrum of 7,7-dimethyl-4-(naphthalen-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 17)

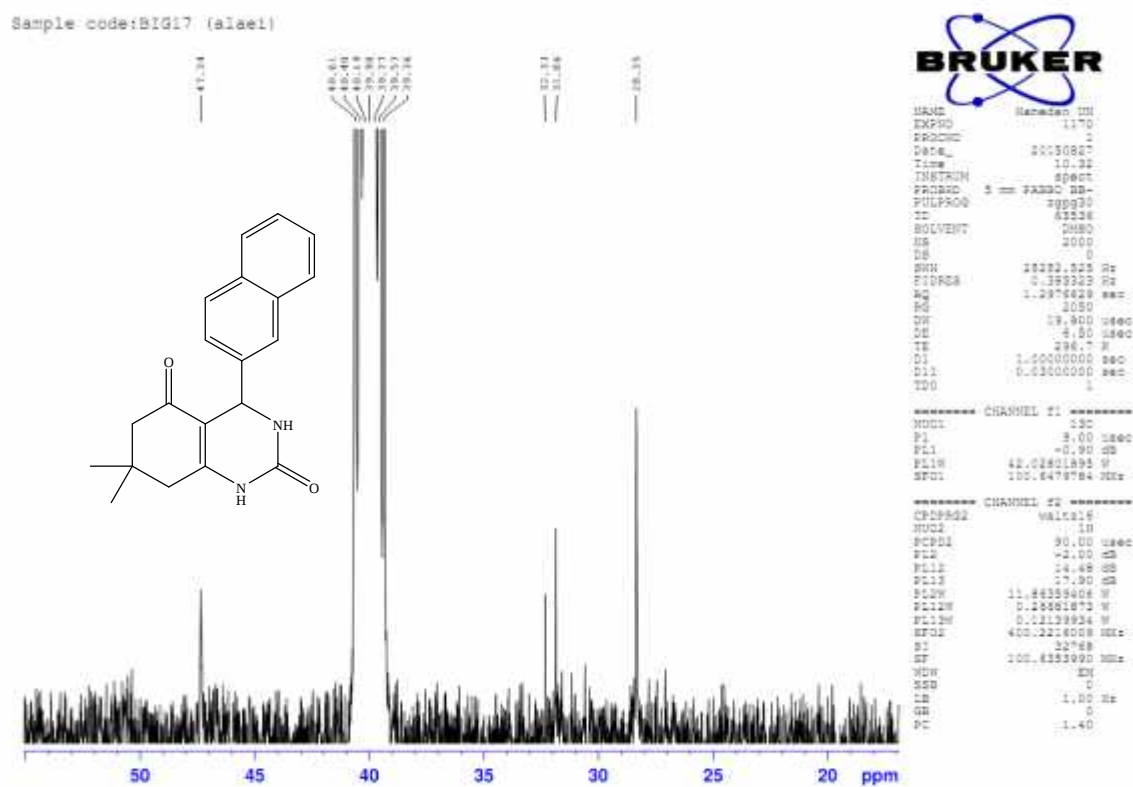


Fig S125. The ^{13}C NMR spectrum of 7,7-dimethyl-4-(naphthalen-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 17)

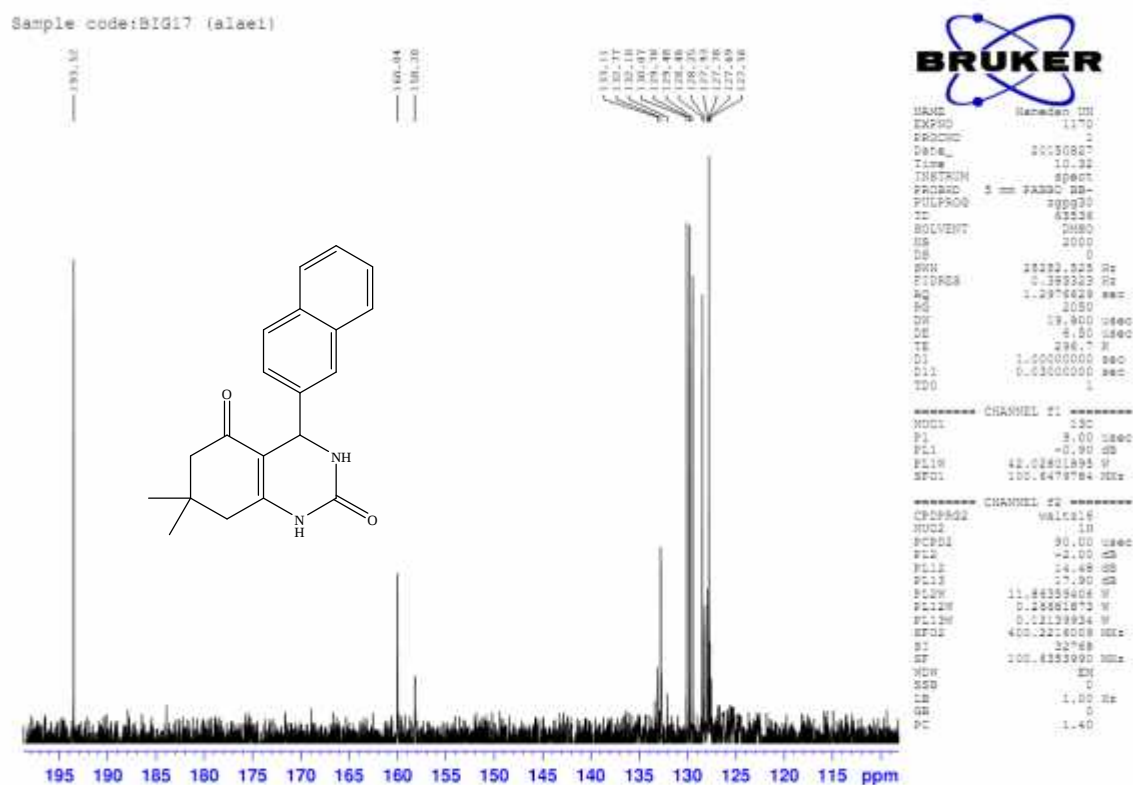


Fig S127. The mass spectrum of 7,7-dimethyl-4-(naphthalen-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 17)

Abundance

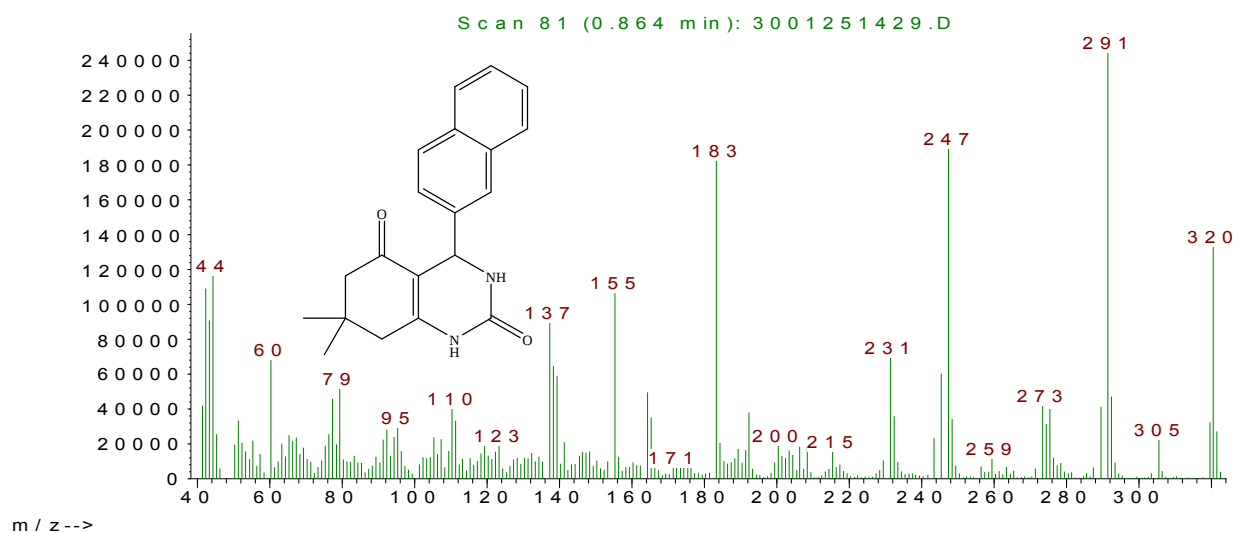


Fig S129. The ^1H NMR spectrum of 4-(naphthalen-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 18)

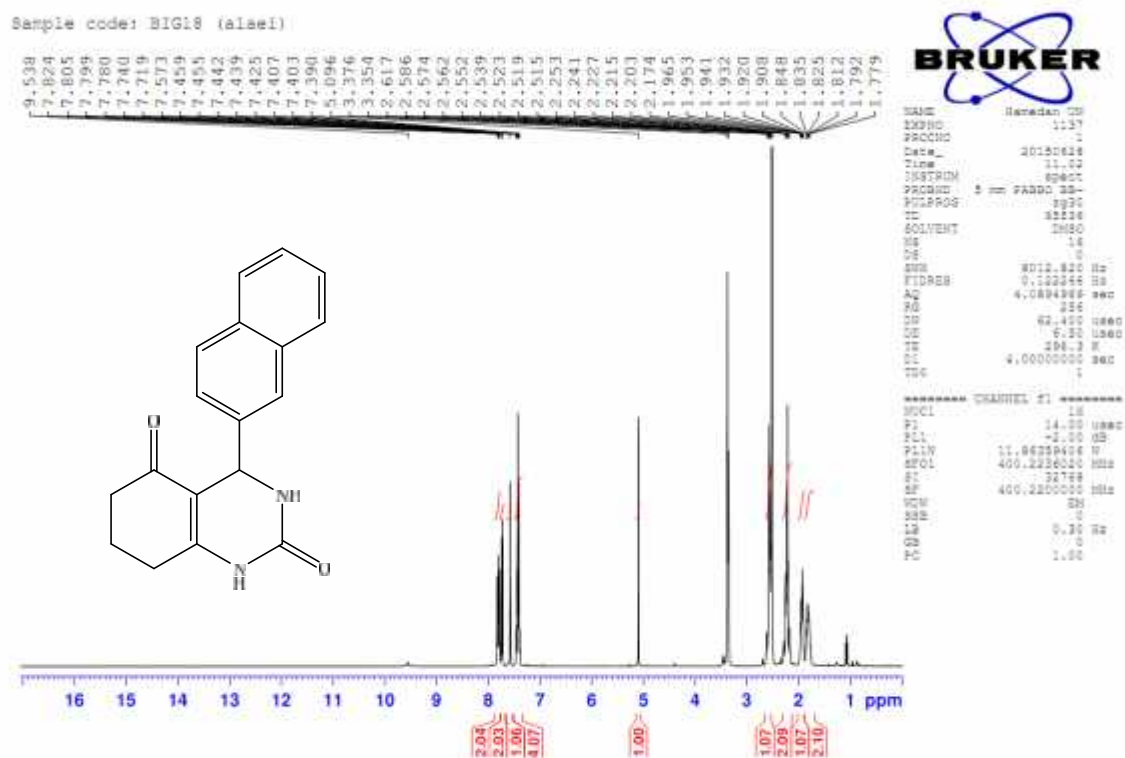


Fig S130. The ^1H NMR spectrum of 4-(naphthalen-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 18)

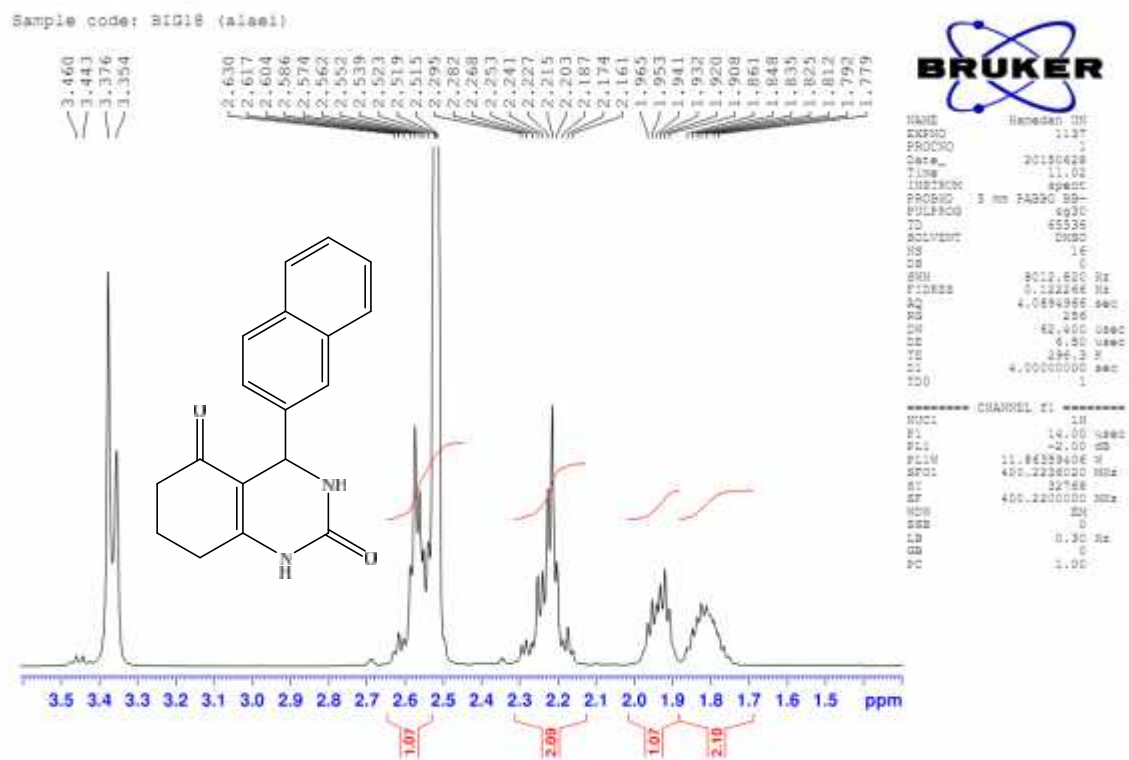


Fig S131. The ^1H NMR spectrum of 4-(naphthalen-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 18)

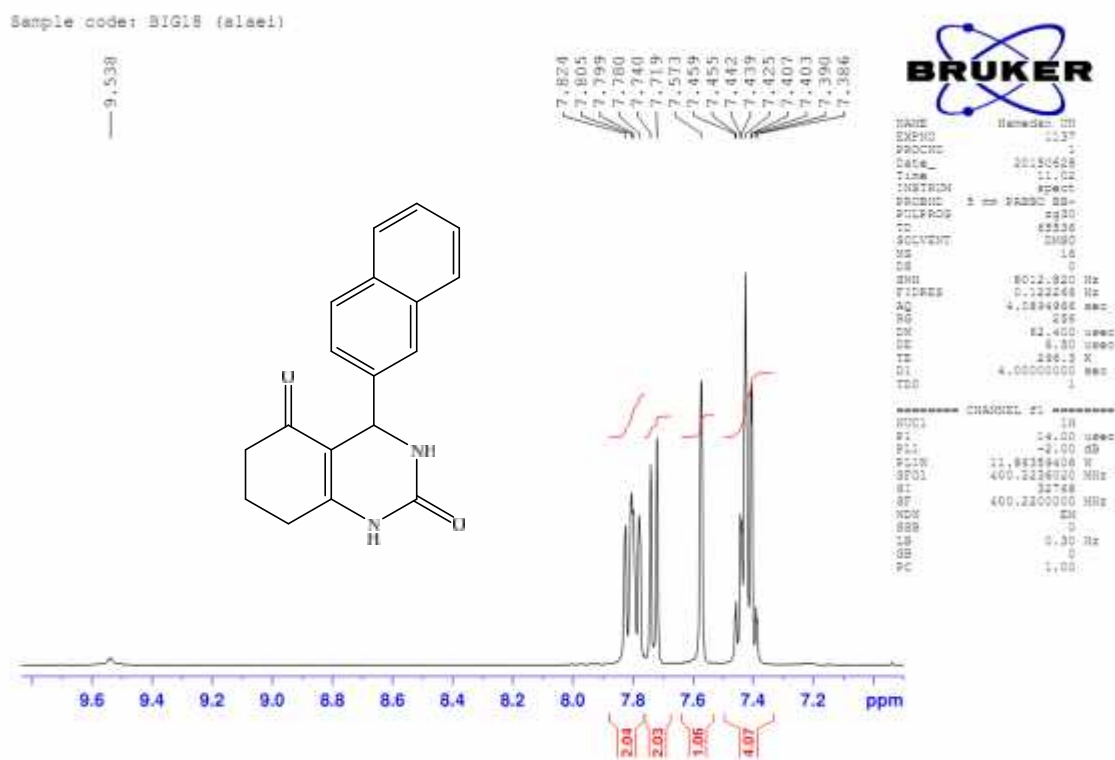


Fig S134. The ^{13}C NMR spectrum of 4-(naphthalen-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 18)

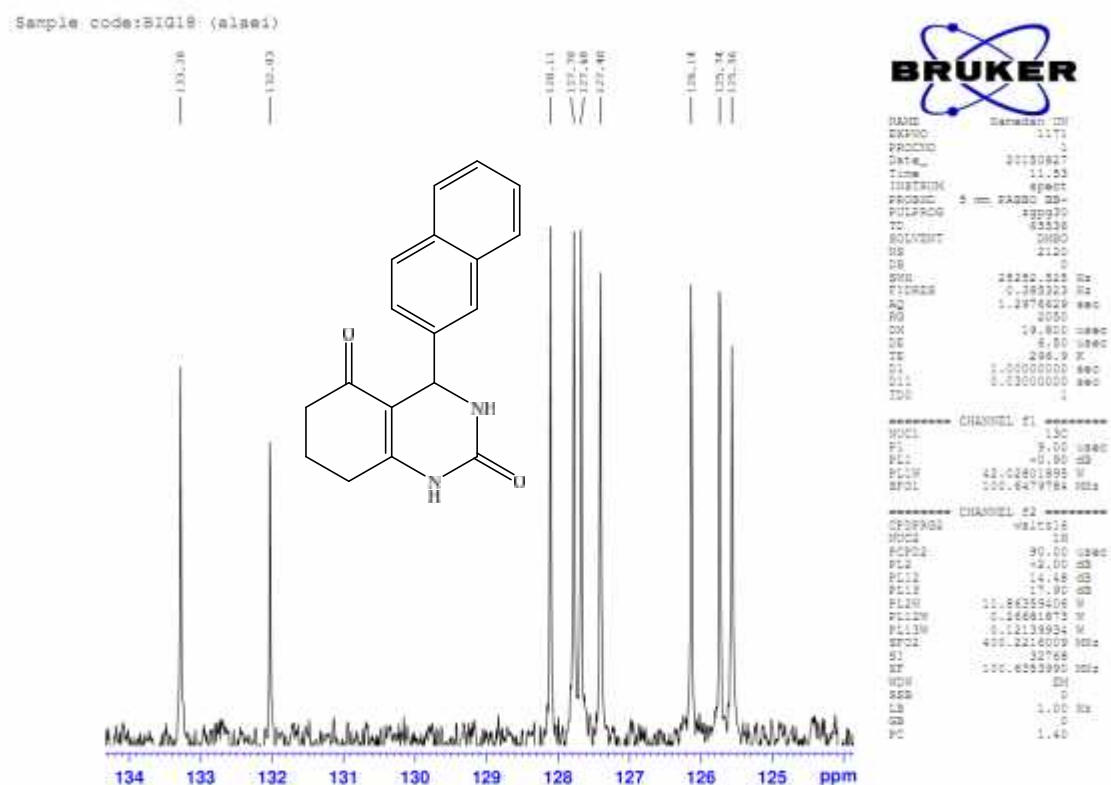


Fig S135. The mass spectrum of 4-(naphthalen-2-yl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 18)

Abundance

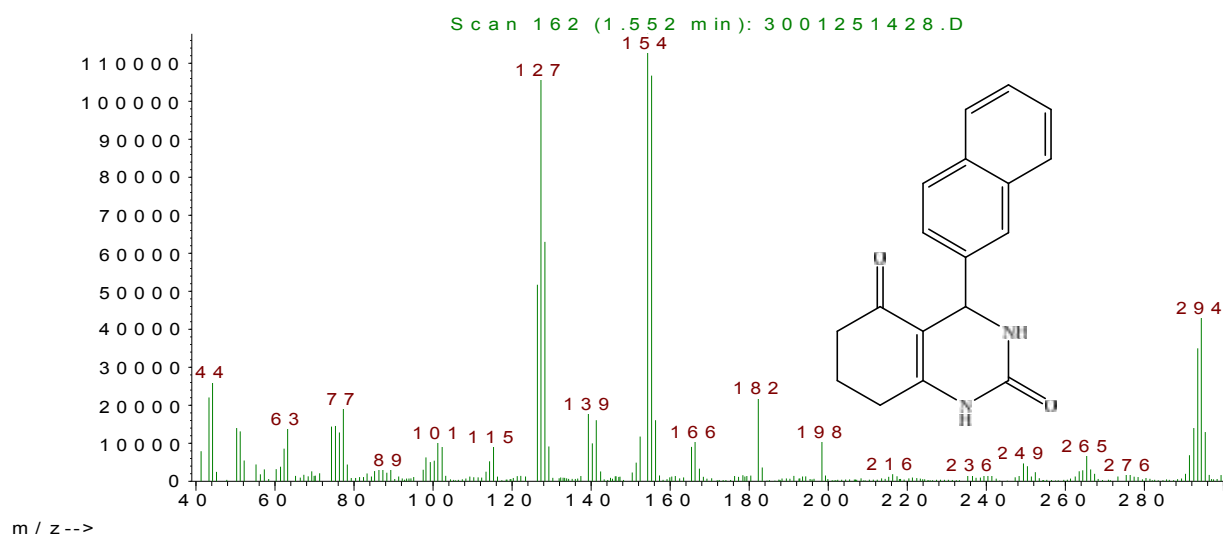


Fig S136. The IR spectrum of *ethyl 6-amino-4-(3,4-dimethoxyphenyl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 19)

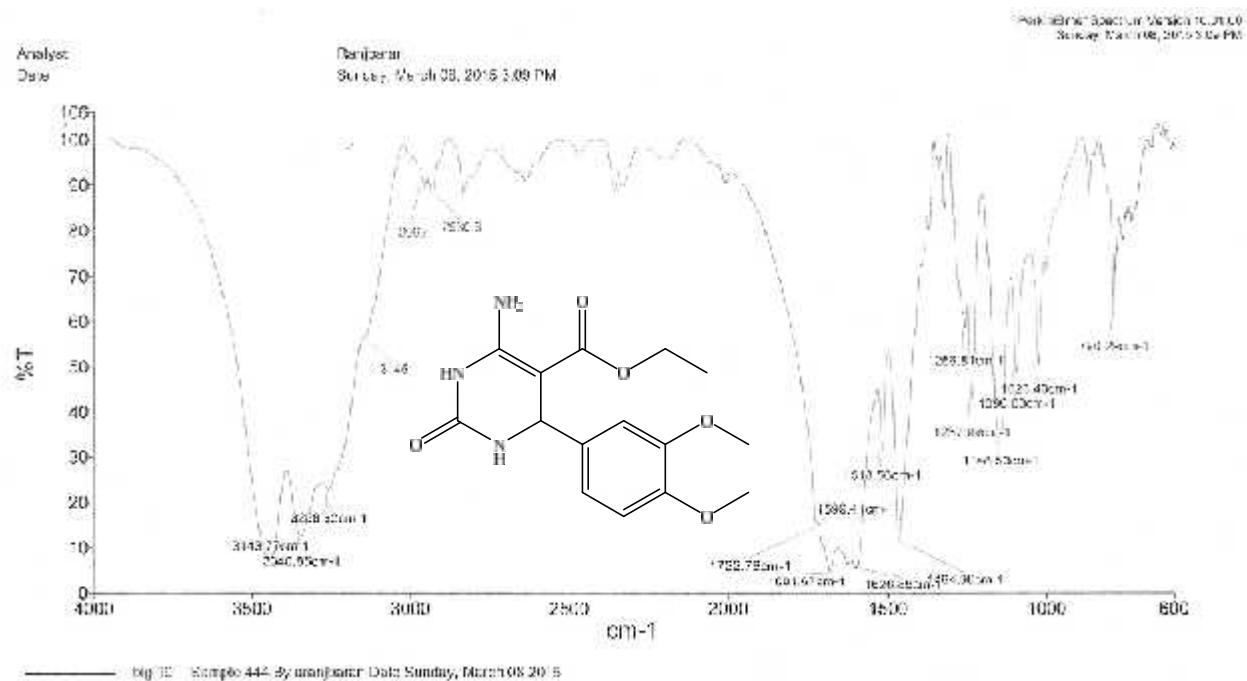


Fig S137. The ^1H NMR spectrum of ethyl 6-amino-4-(3,4-dimethoxyphenyl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 19)

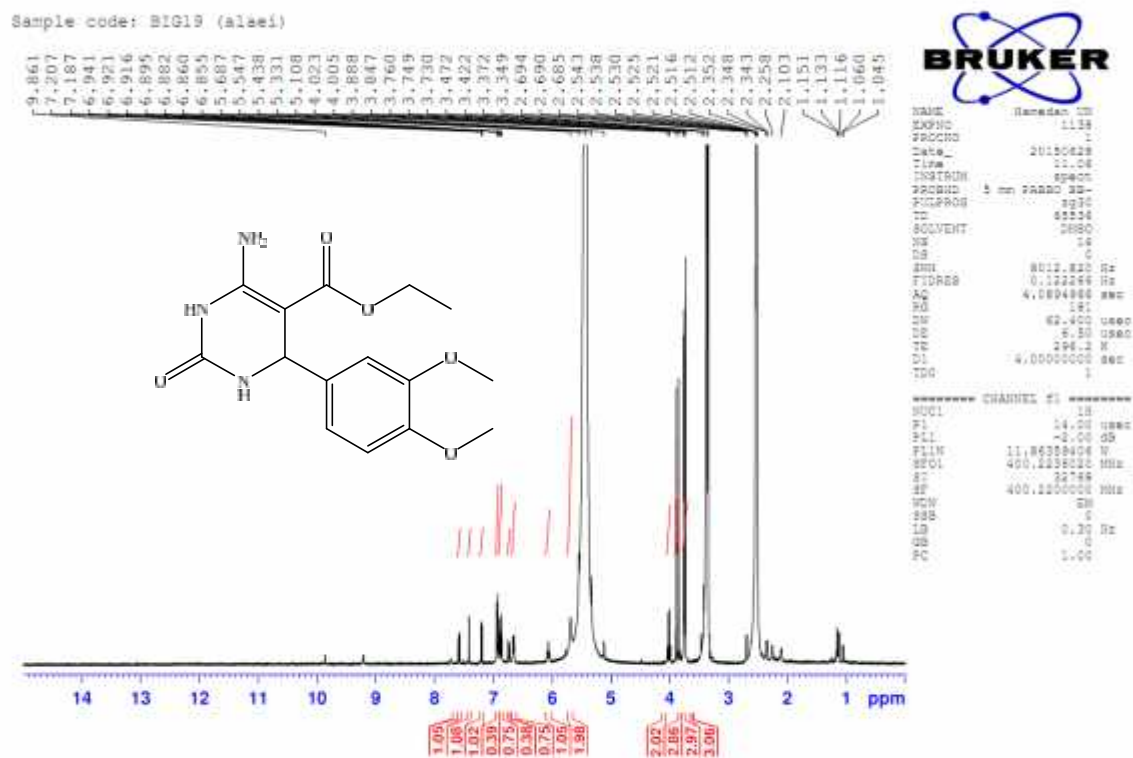


Fig S138. The ^1H NMR spectrum of ethyl 6-amino-4-(3,4-dimethoxyphenyl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 19)

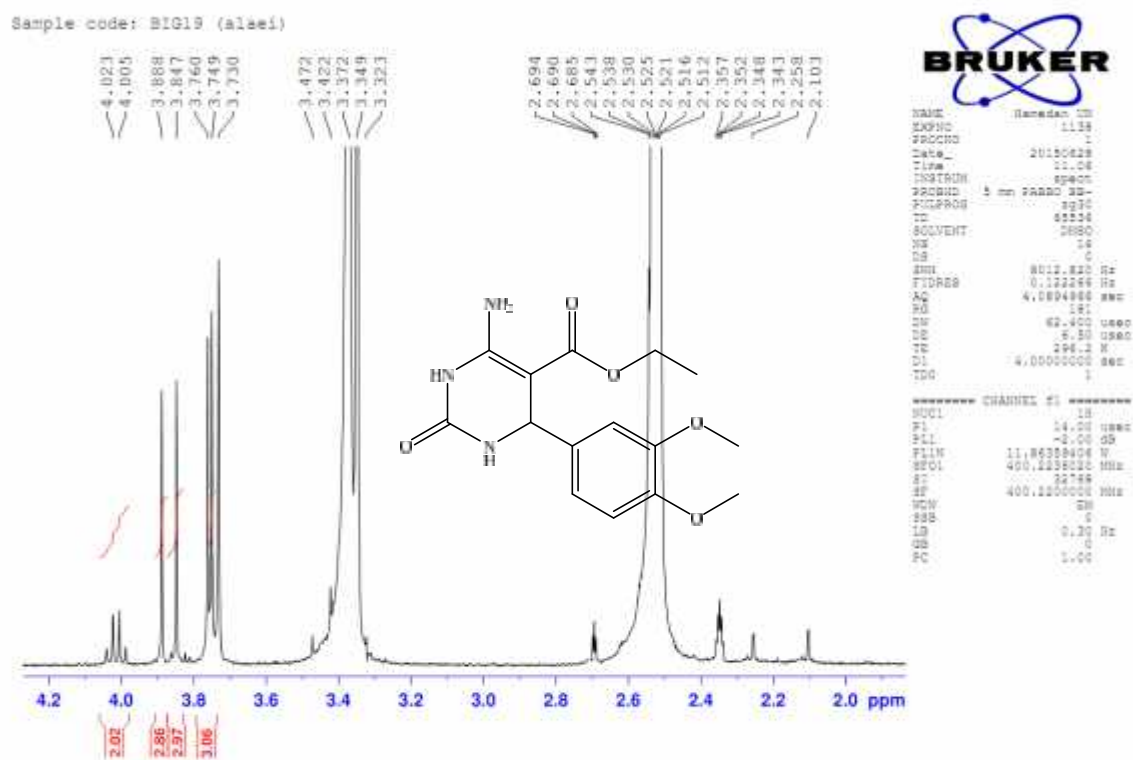


Fig S139. The ^1H NMR spectrum of ethyl 6-amino-4-(3,4-dimethoxyphenyl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 19)

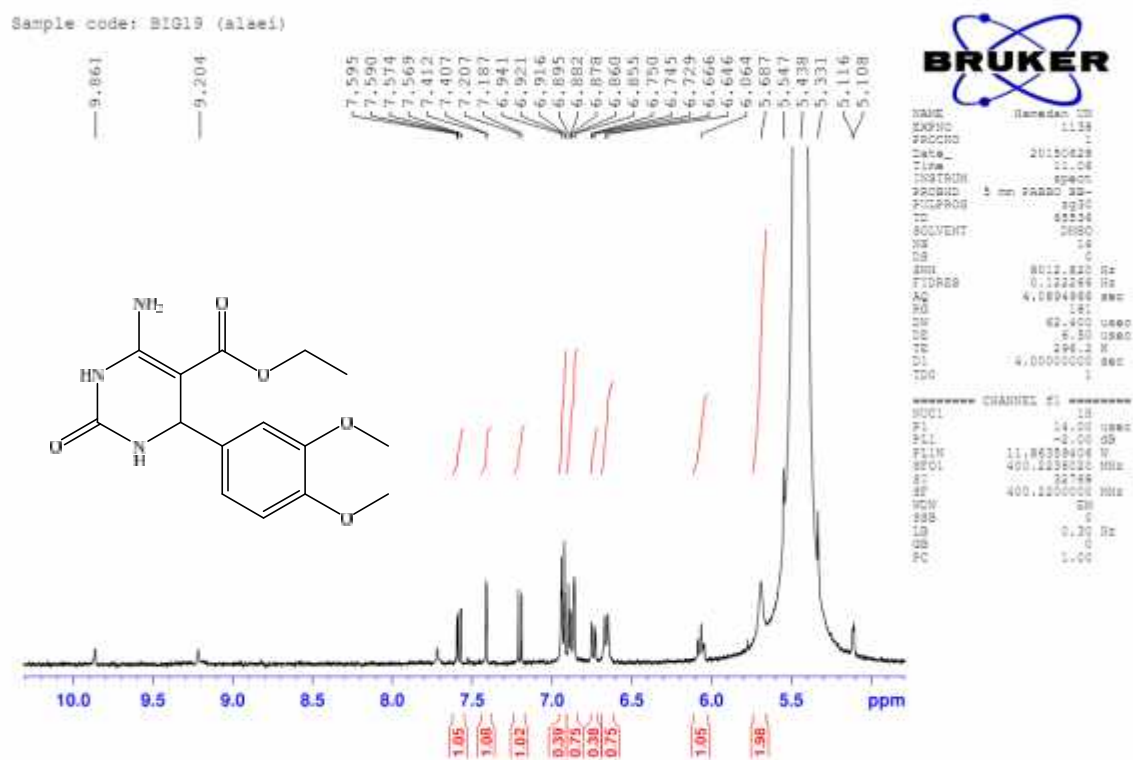


Fig S140. The ^{13}C NMR spectrum of ethyl 6-amino-4-(3,4-dimethoxyphenyl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 19)

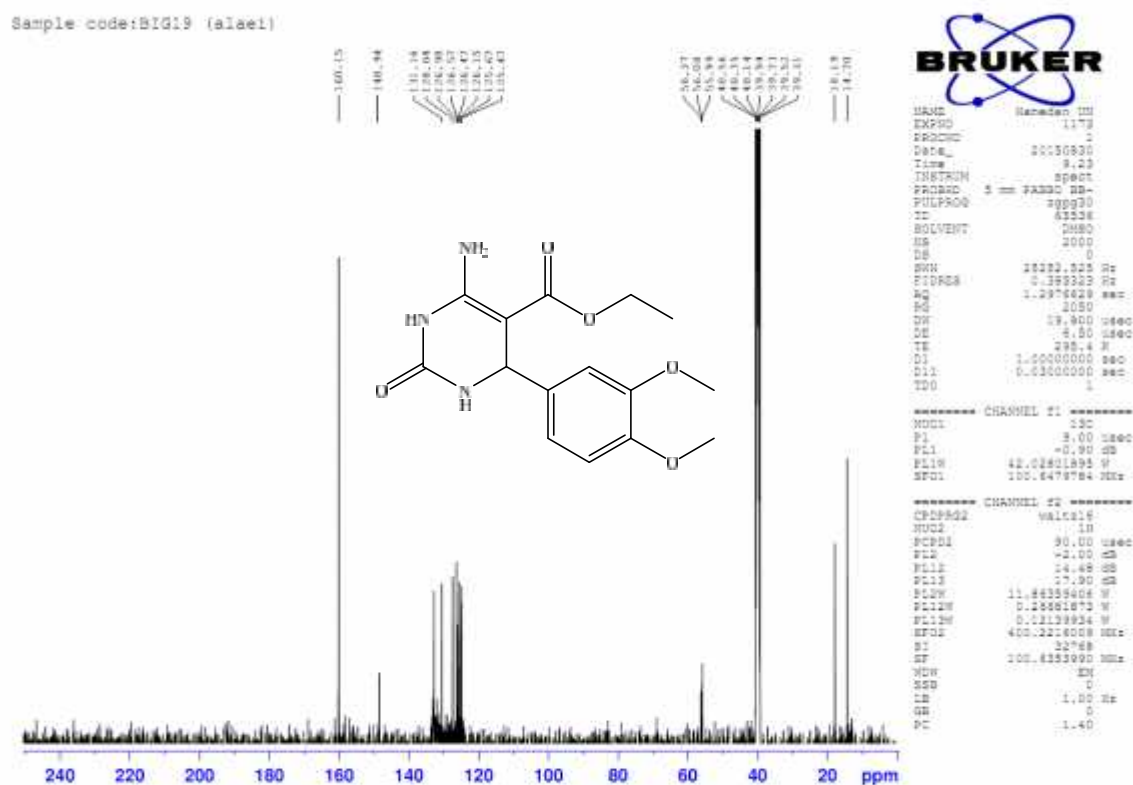


Fig S141. The ^{13}C NMR spectrum of ethyl 6-amino-4-(3,4-dimethoxyphenyl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 19)

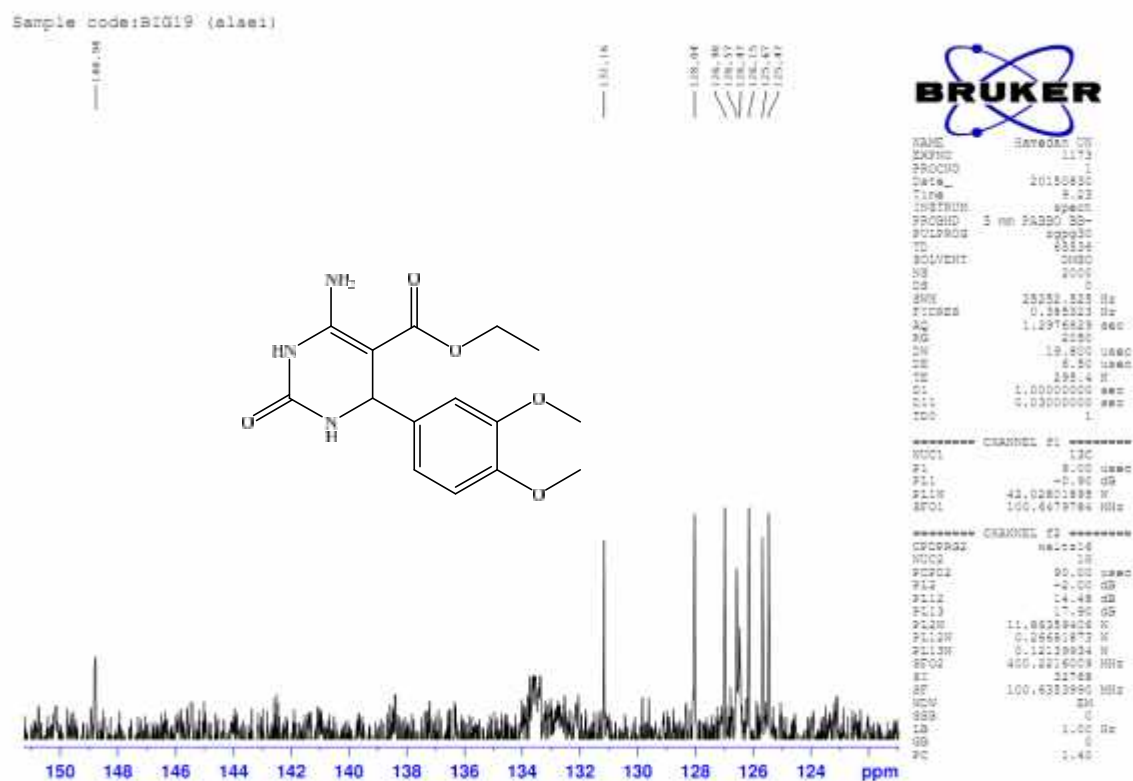


Fig S142. The mass spectrum of *ethyl 6-amino-4-(3,4-dimethoxyphenyl)-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 19)

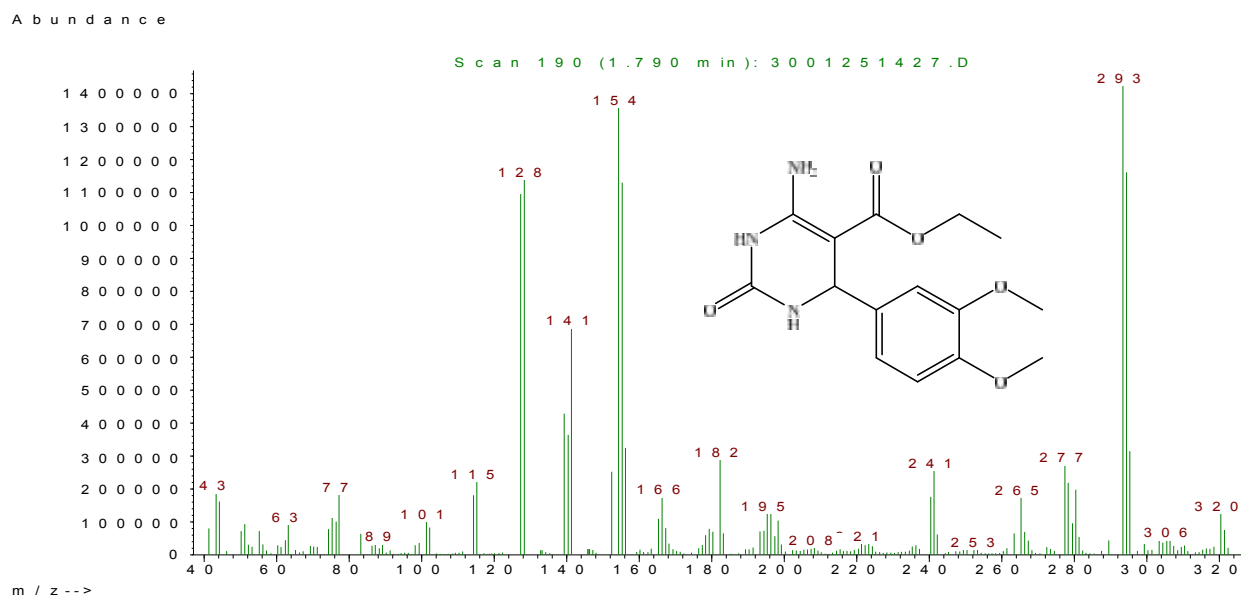


Fig S143. The IR spectrum of 5-acetyl-4-(3,4-dimethoxyphenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 20)

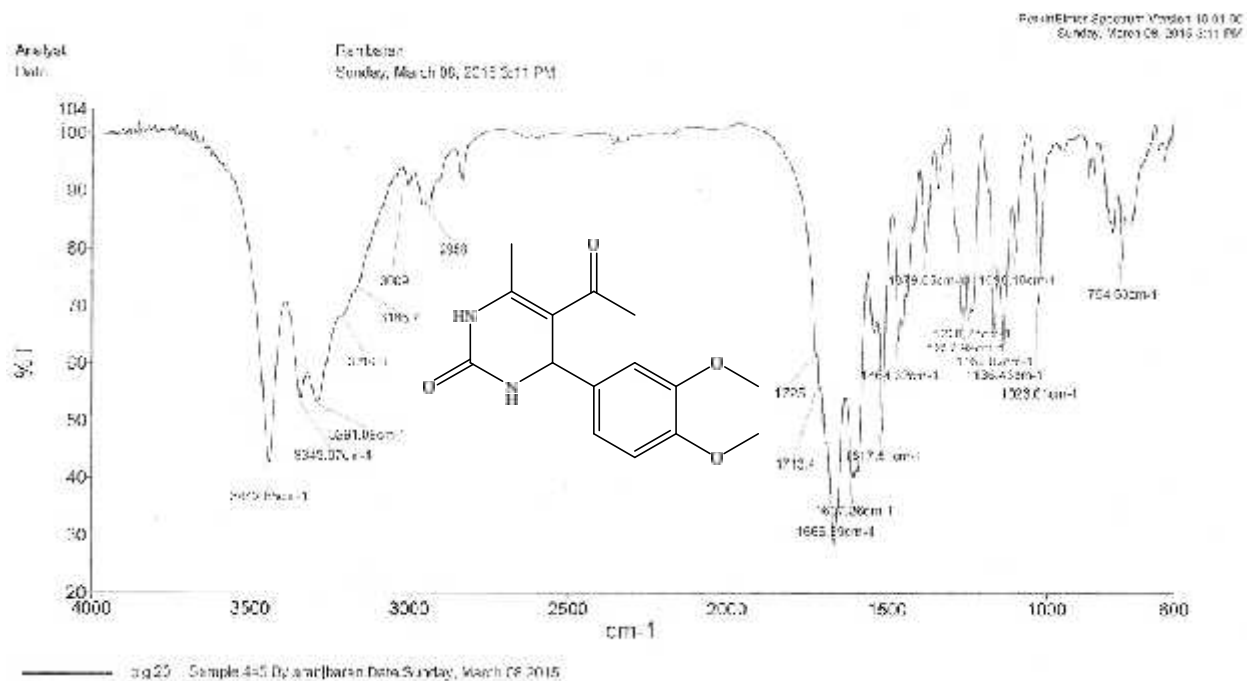


Fig S144. The ^1H NMR spectrum of 5-acetyl-4-(3,4-dimethoxyphenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 20)

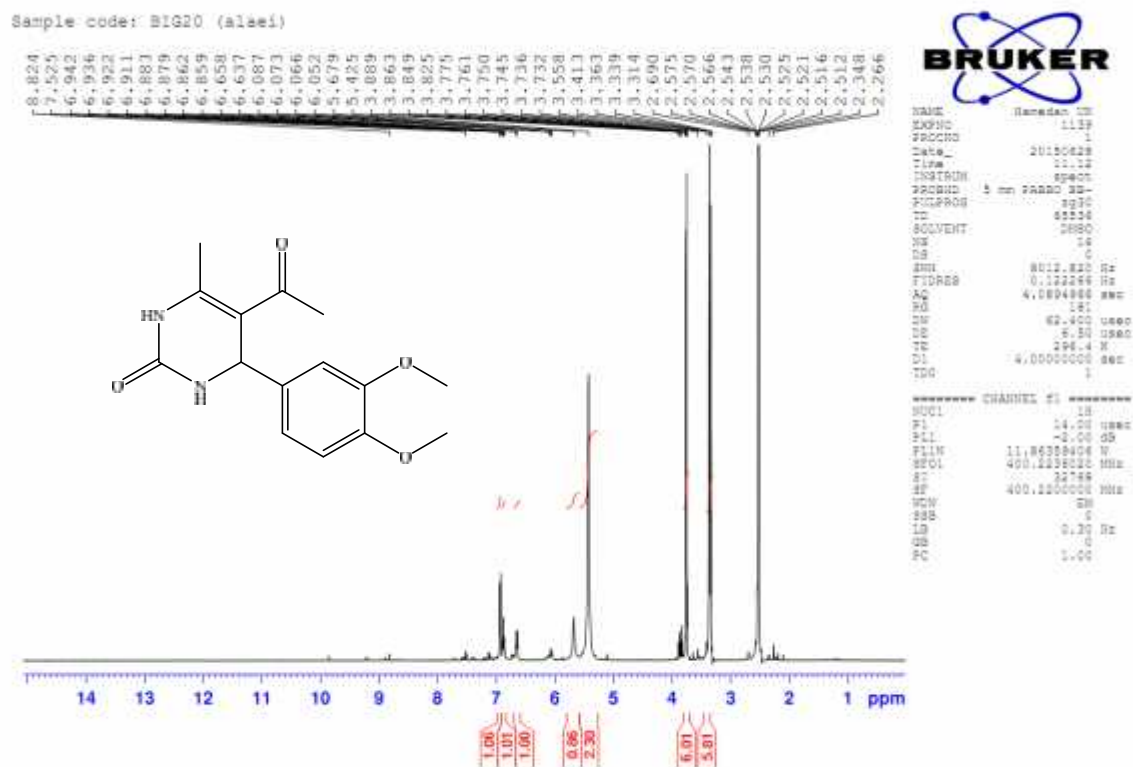


Fig S145. The ^1H NMR spectrum of 5-acetyl-4-(3,4-dimethoxyphenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 20)

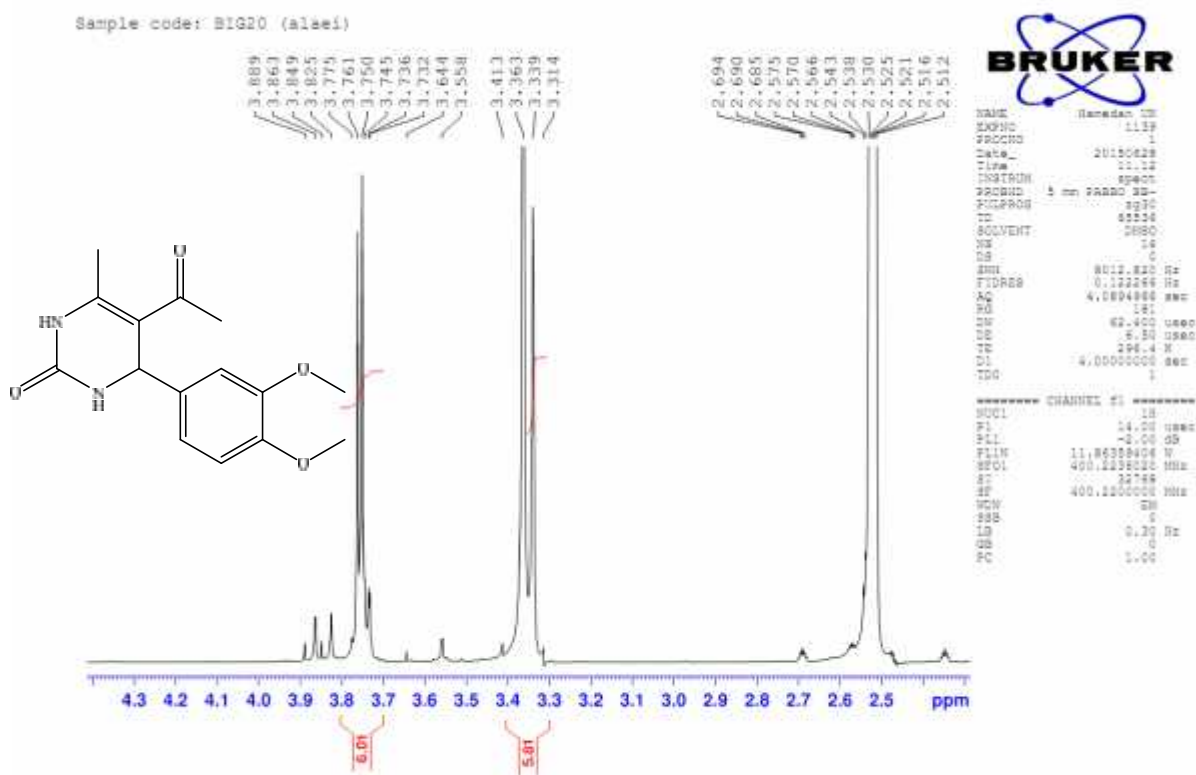


Fig S146. The ^1H NMR spectrum of 5-acetyl-4-(3,4-dimethoxyphenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 20)

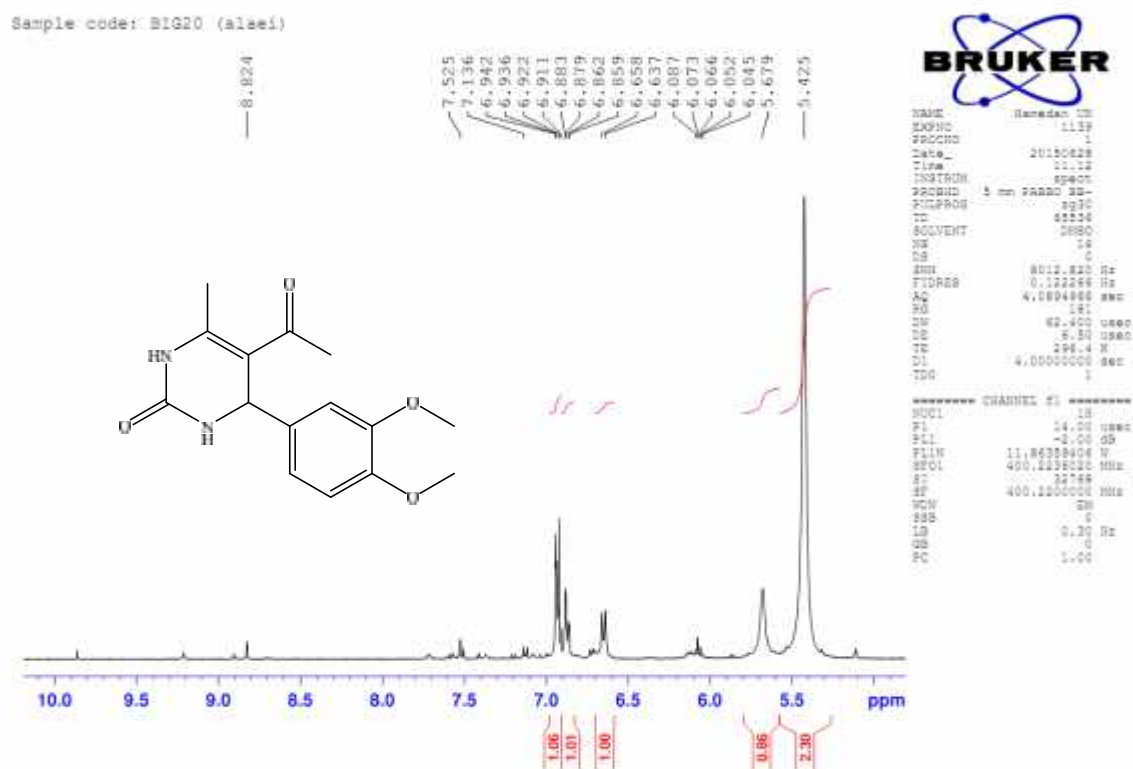


Fig S147. The ^{13}C NMR spectrum of 5-acetyl-4-(3,4-dimethoxyphenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 20)

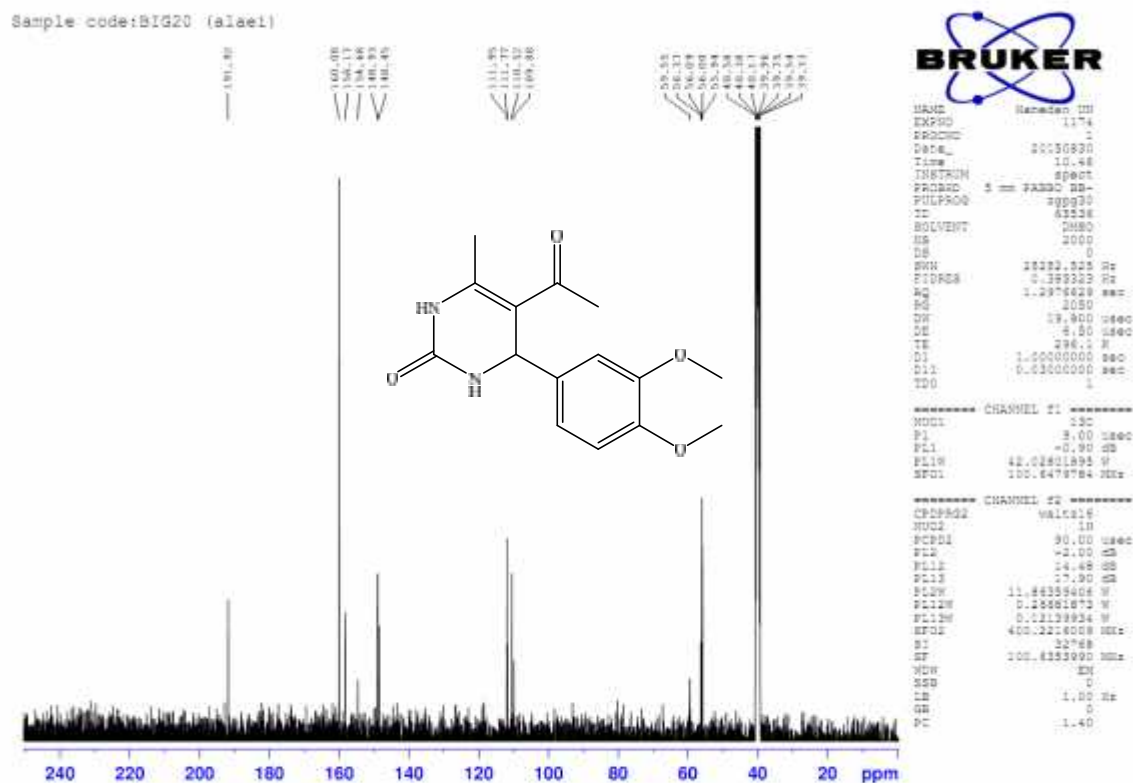


Fig S148. The ^{13}C NMR spectrum of 5-acetyl-4-(3,4-dimethoxyphenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 20)

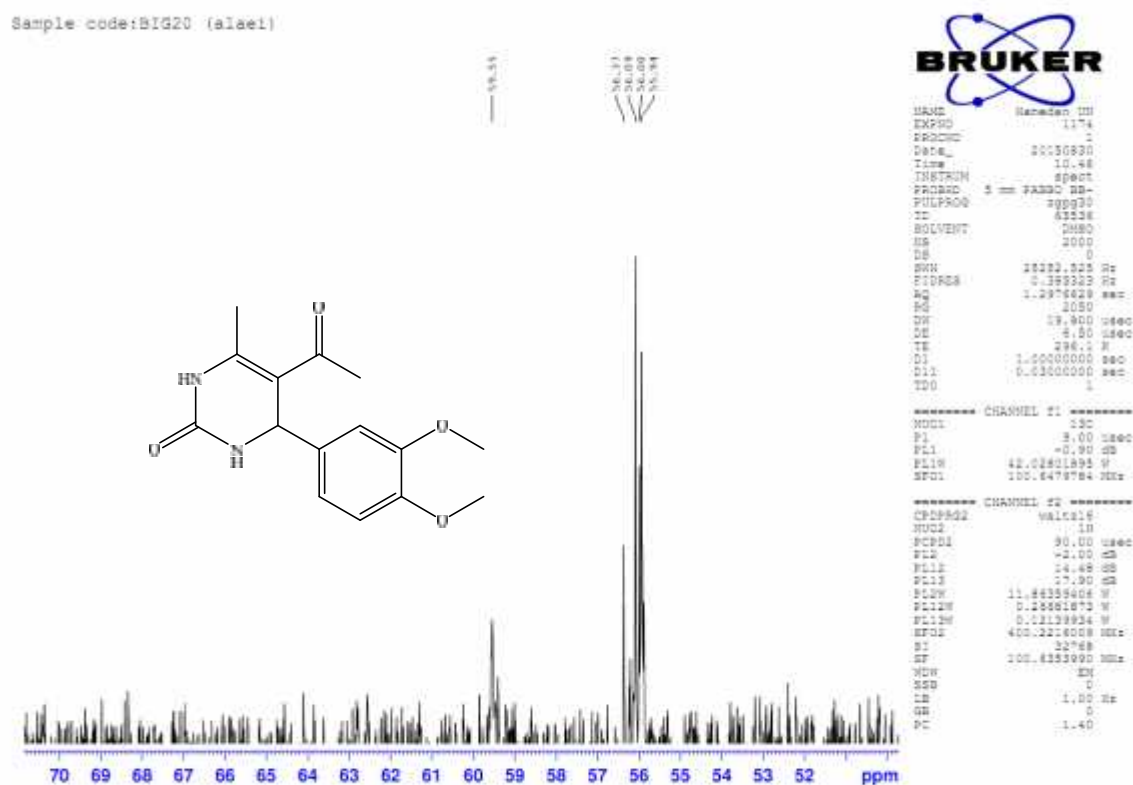


Fig S149. The ^{13}C NMR spectrum of 5-acetyl-4-(3,4-dimethoxyphenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 20)

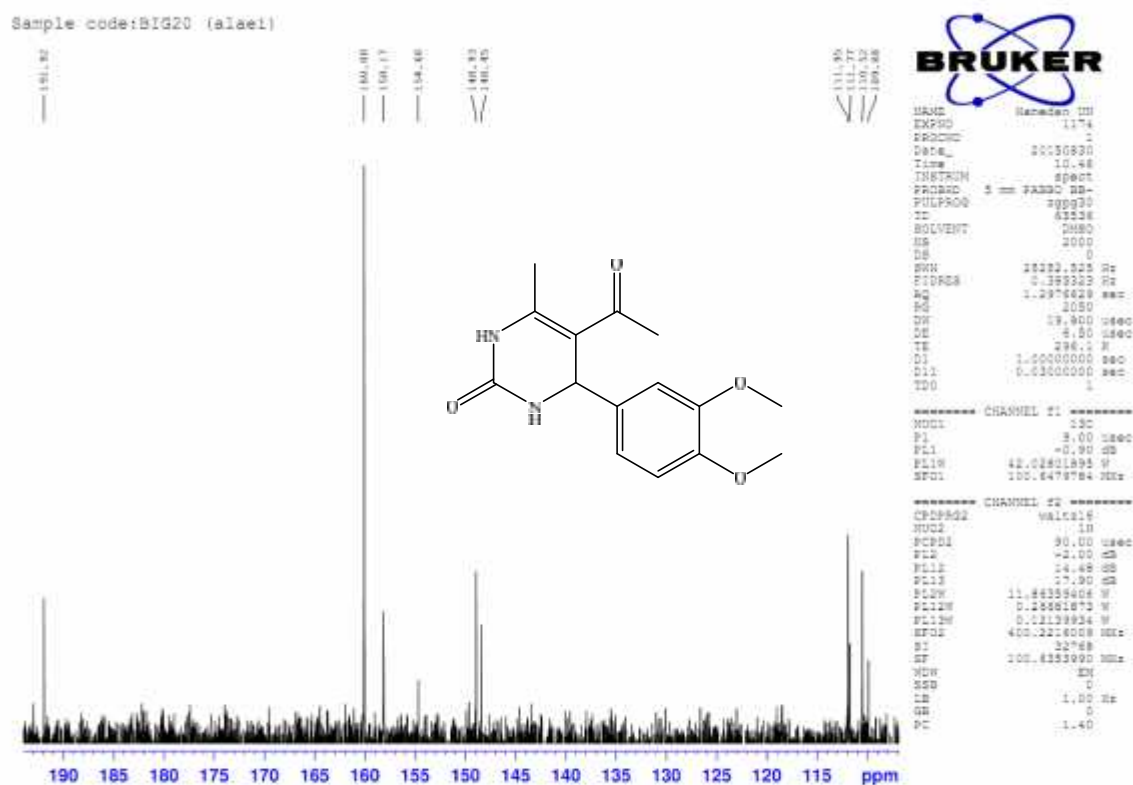
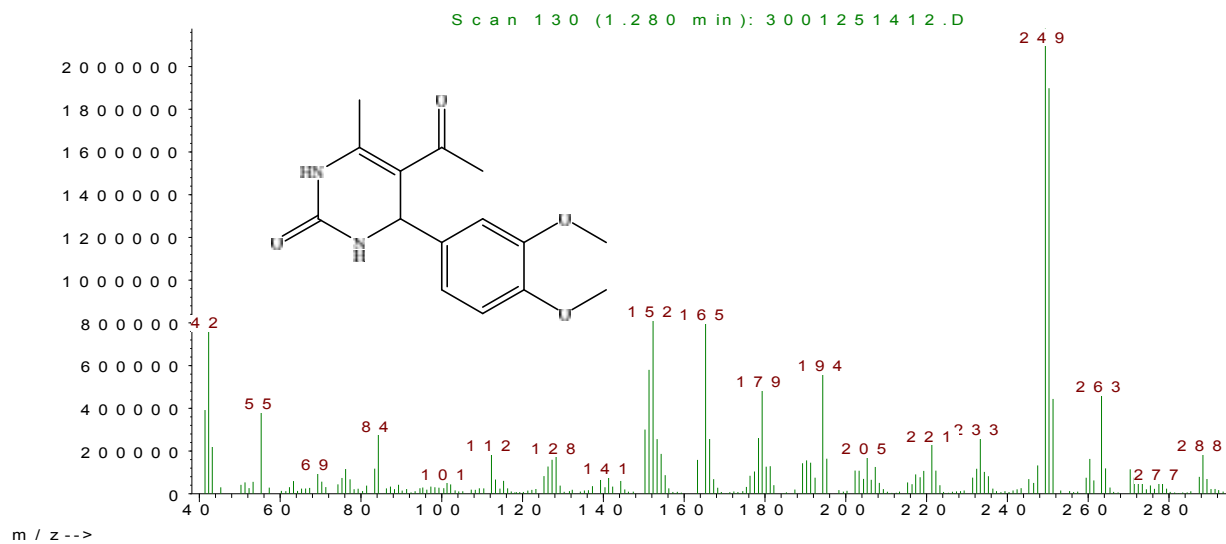


Fig S150. The mass spectrum of 5-acetyl-4-(3,4-dimethoxyphenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one (Table 4, entry 20)

Abundance



Analysis Date: Monday, March 09, 2015 11:17 AM

Sample Name: Monday, March 09, 2015 11:17 AM

Chemical Structure: CCOC(=O)C1=C(C)NC(=O)N1C2=CC=C(OC)C(OC)=C2

IR Spectrum (4000-400 cm⁻¹):

- 3304.4 cm⁻¹ (broad peak)
- 3039.63 cm⁻¹ (sharp peak)
- 2946.25 cm⁻¹ (sharp peak)
- 1747.13 cm⁻¹ (sharp peak)
- 1680.36 cm⁻¹ (sharp peak)
- 1626.02 cm⁻¹ (sharp peak)
- 1546.34 cm⁻¹ (sharp peak)
- 1514.42 cm⁻¹ (sharp peak)
- 1475.11 cm⁻¹ (sharp peak)
- 1397.25 cm⁻¹ (sharp peak)
- 1348 cm⁻¹ (sharp peak)
- 1265 cm⁻¹ (sharp peak)
- 1190.26 cm⁻¹ (sharp peak)
- 1073.54 cm⁻¹ (sharp peak)
- 1006.09 cm⁻¹ (sharp peak)
- 987.26 cm⁻¹ (sharp peak)
- 962.87 cm⁻¹ (sharp peak)

Fig. S1 IR Spectrum (4000-400 cm⁻¹)

Fig S152. The ^1H NMR spectrum of methyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 21)

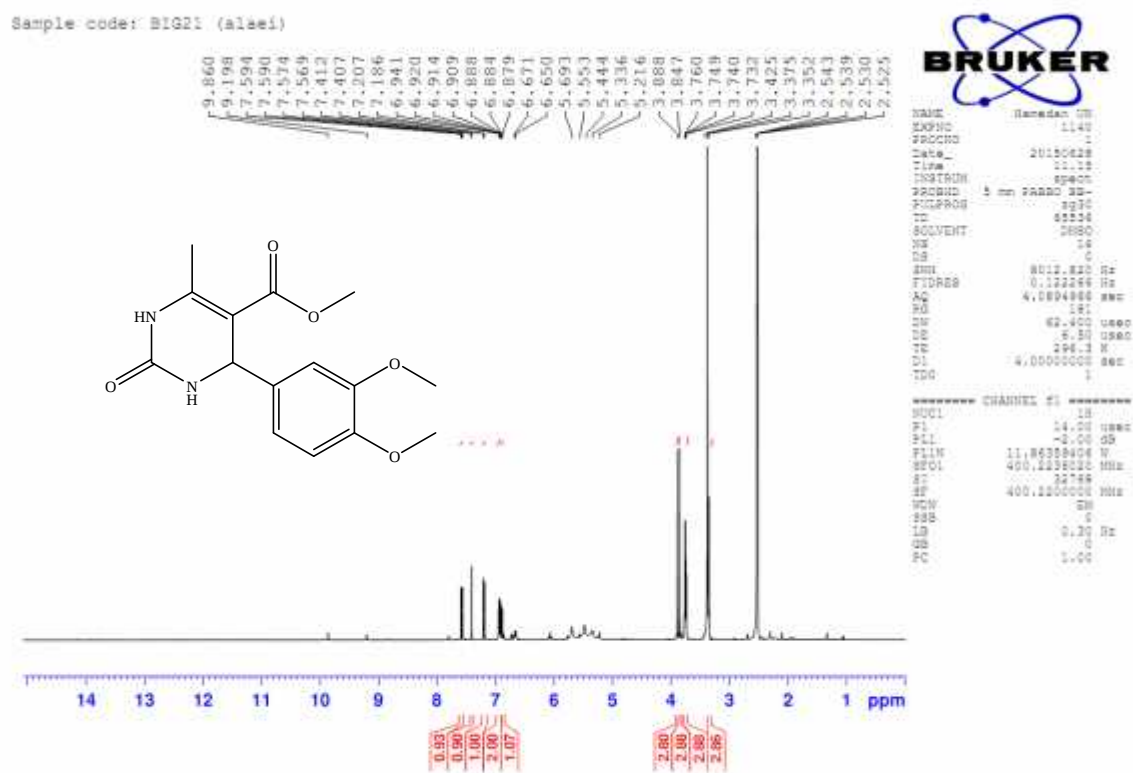


Fig S153. The ^1H NMR spectrum of methyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 21)

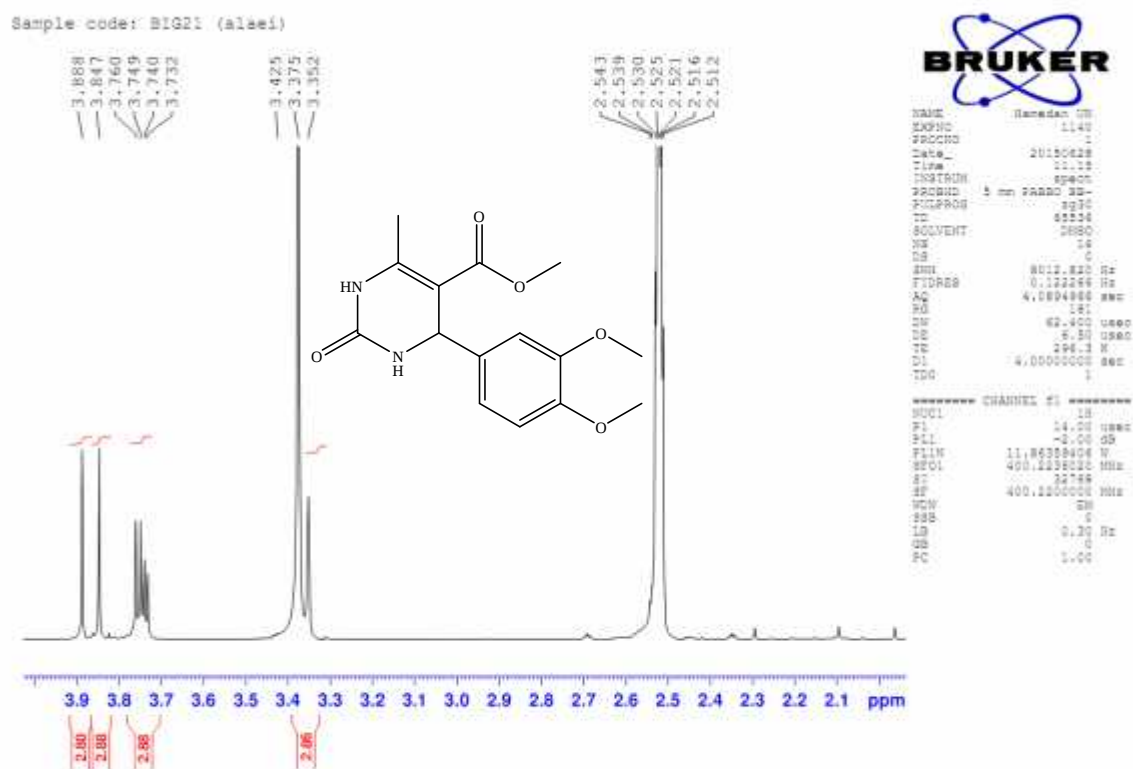


Fig S154. The ^1H NMR spectrum of methyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 21)

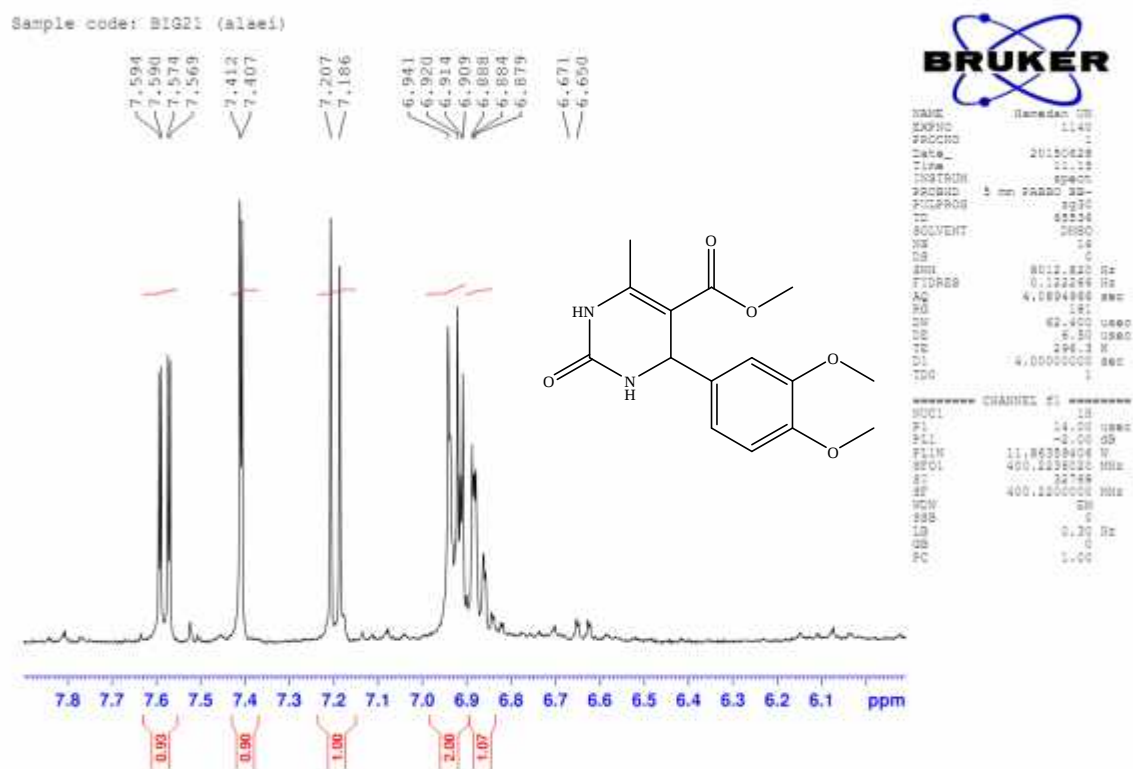


Fig S155. The ^{13}C NMR spectrum of methyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 21)

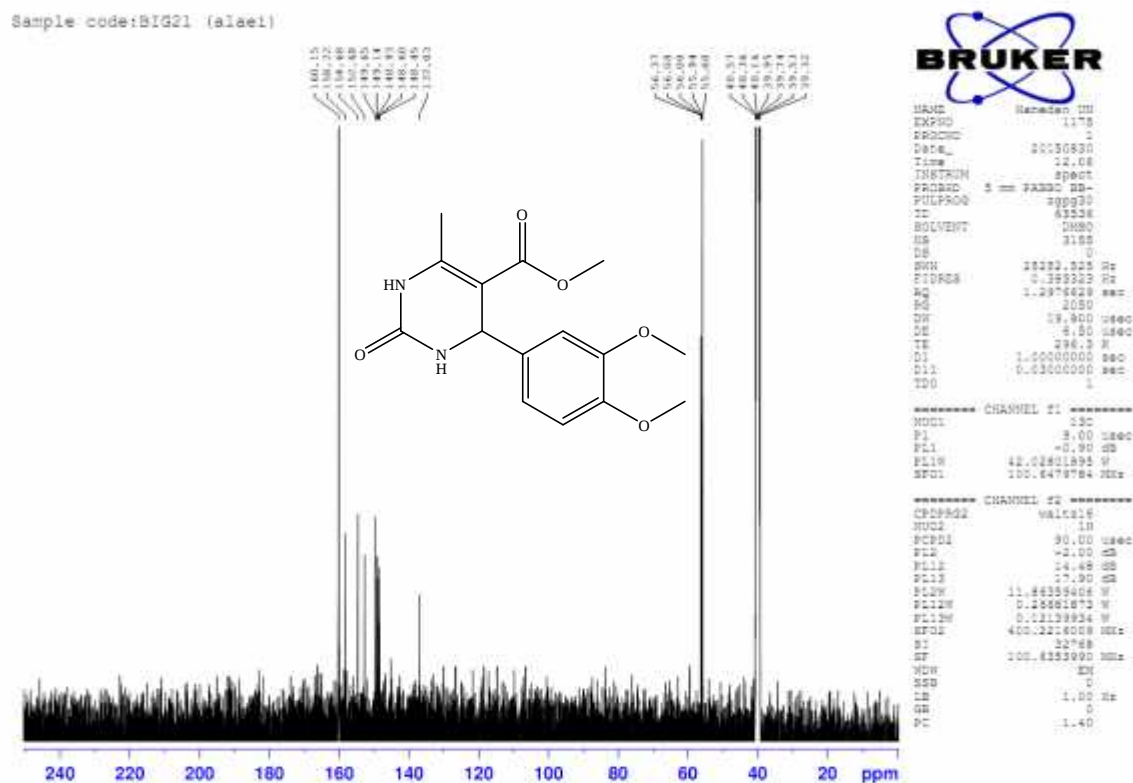


Fig S156. The ^{13}C NMR spectrum of methyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 21)

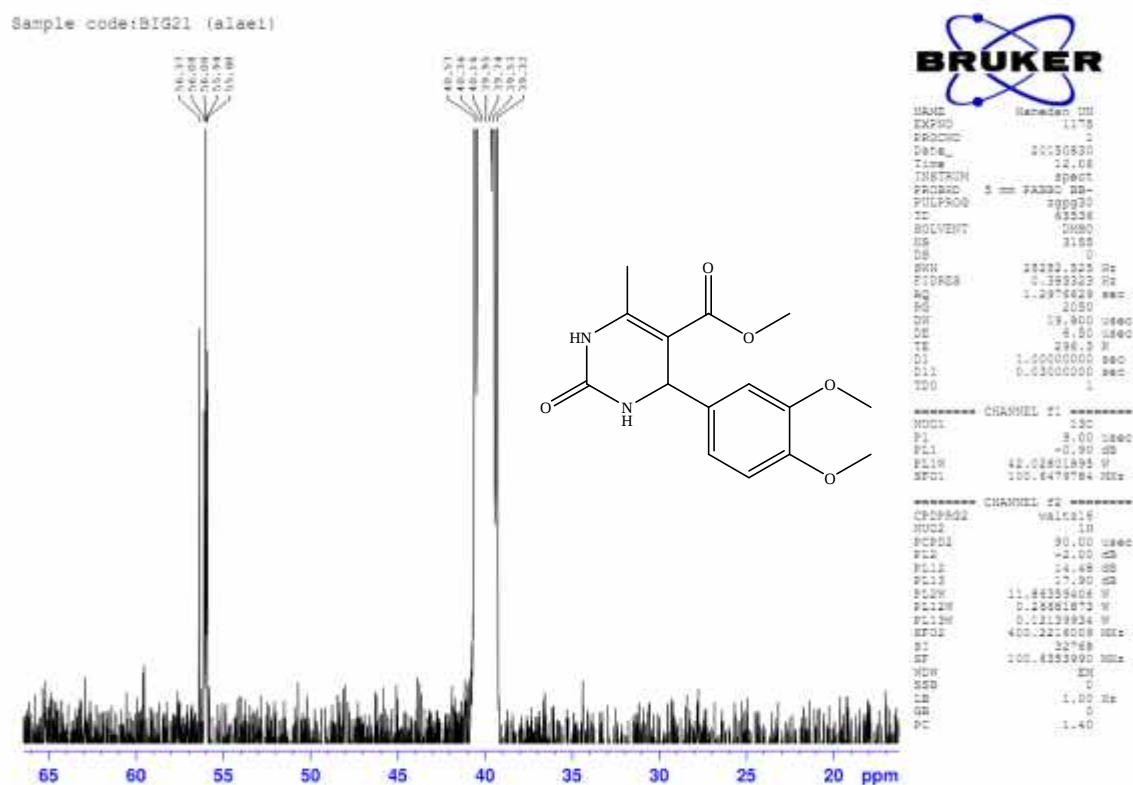


Fig S157. The ^{13}C NMR spectrum of methyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 21)

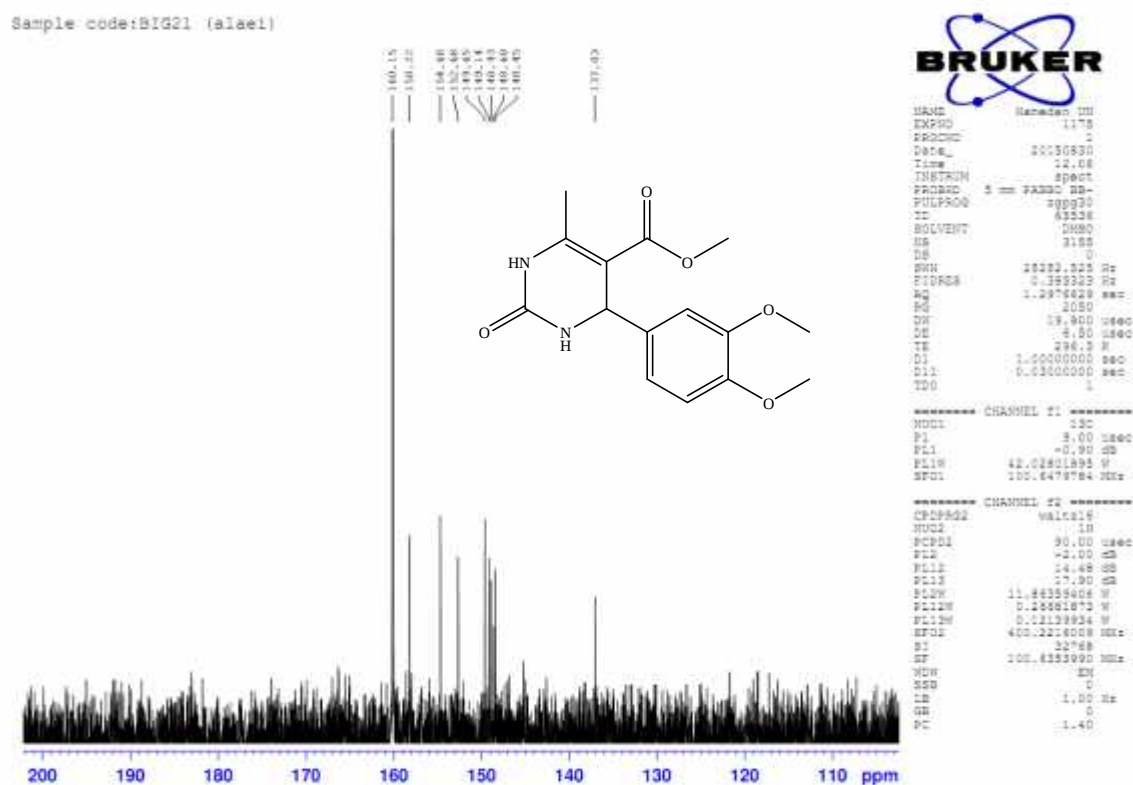


Fig S158. The ^{13}C NMR spectrum of methyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 21)

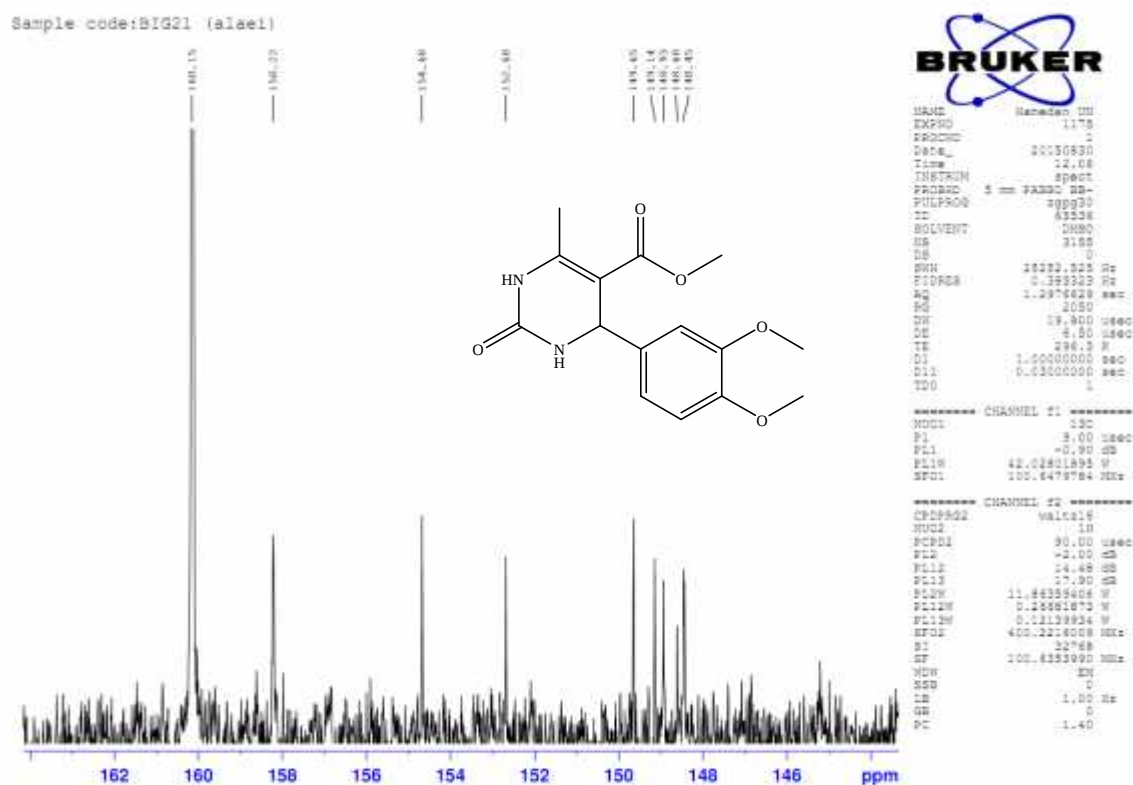


Fig S159. The mass spectrum of *methyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 21)

Abundance

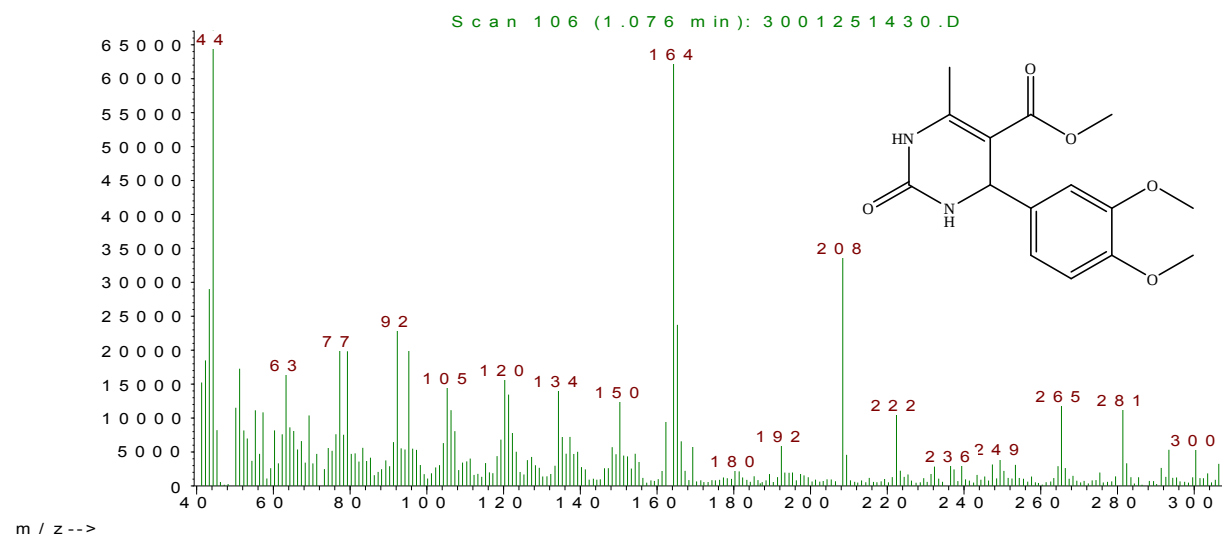


Fig S160. The IR spectrum of *ethyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 22)

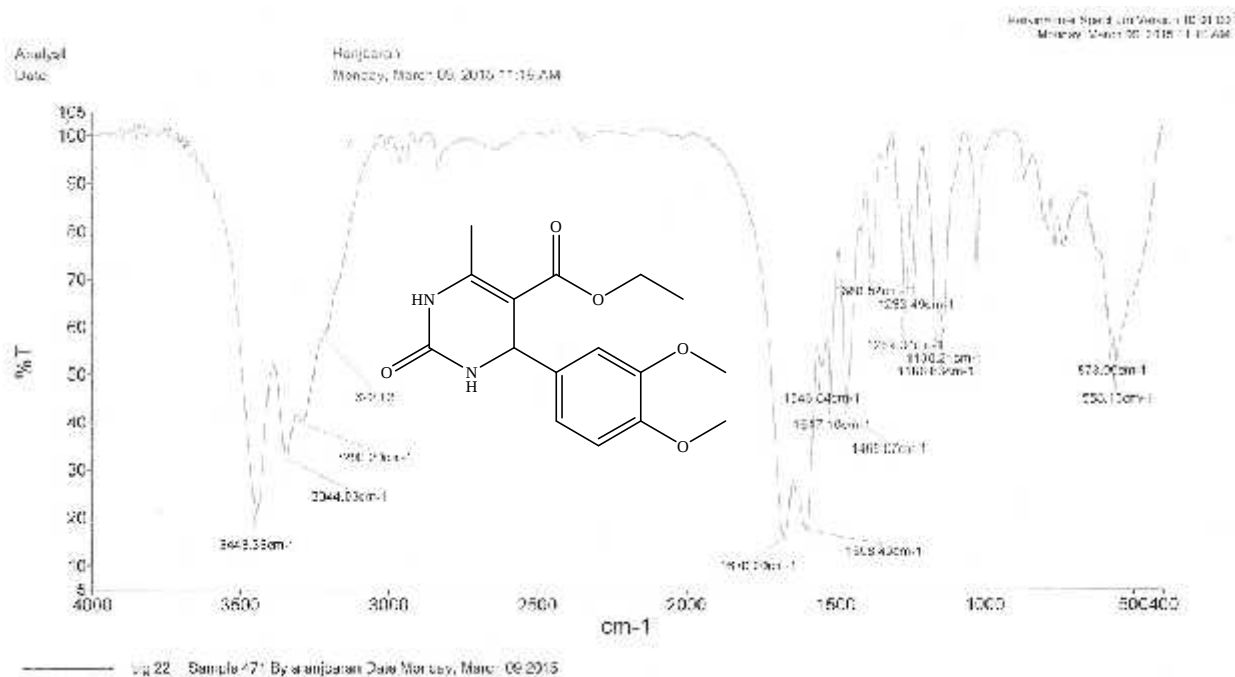


Fig S161. The ^1H NMR spectrum of ethyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 22)

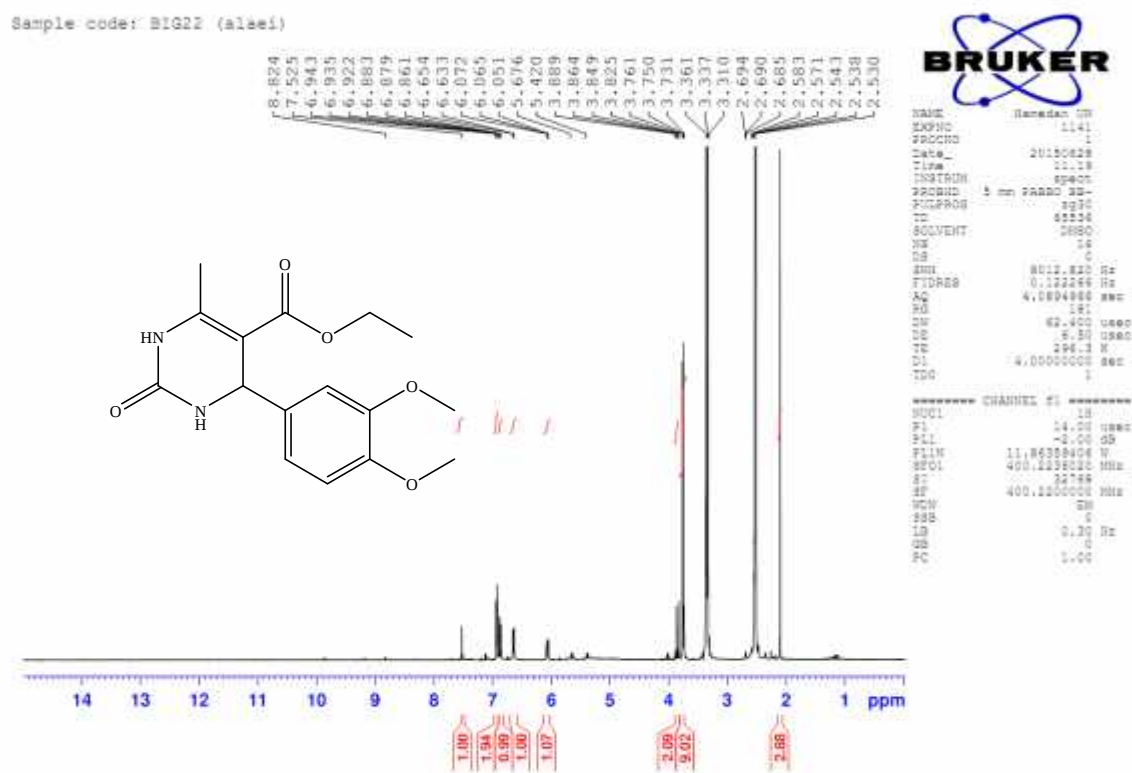


Fig S162. The ^1H NMR spectrum of ethyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 22)

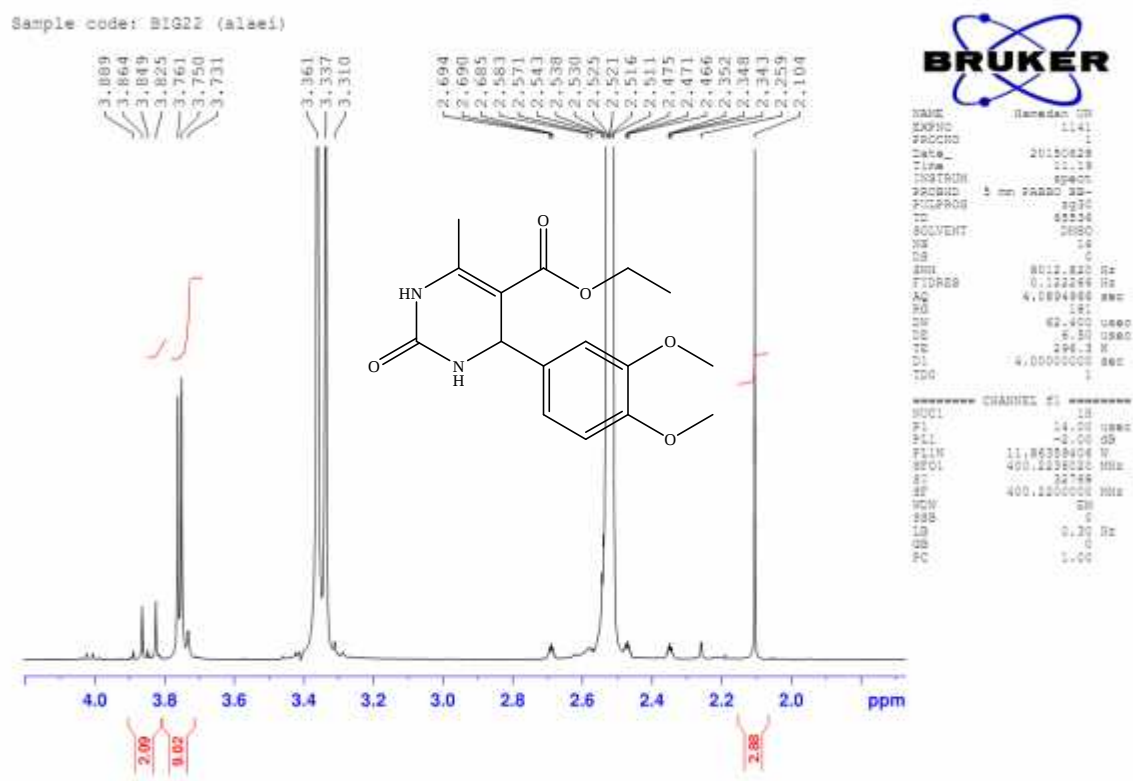


Fig S163. The ^1H NMR spectrum of ethyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 22)

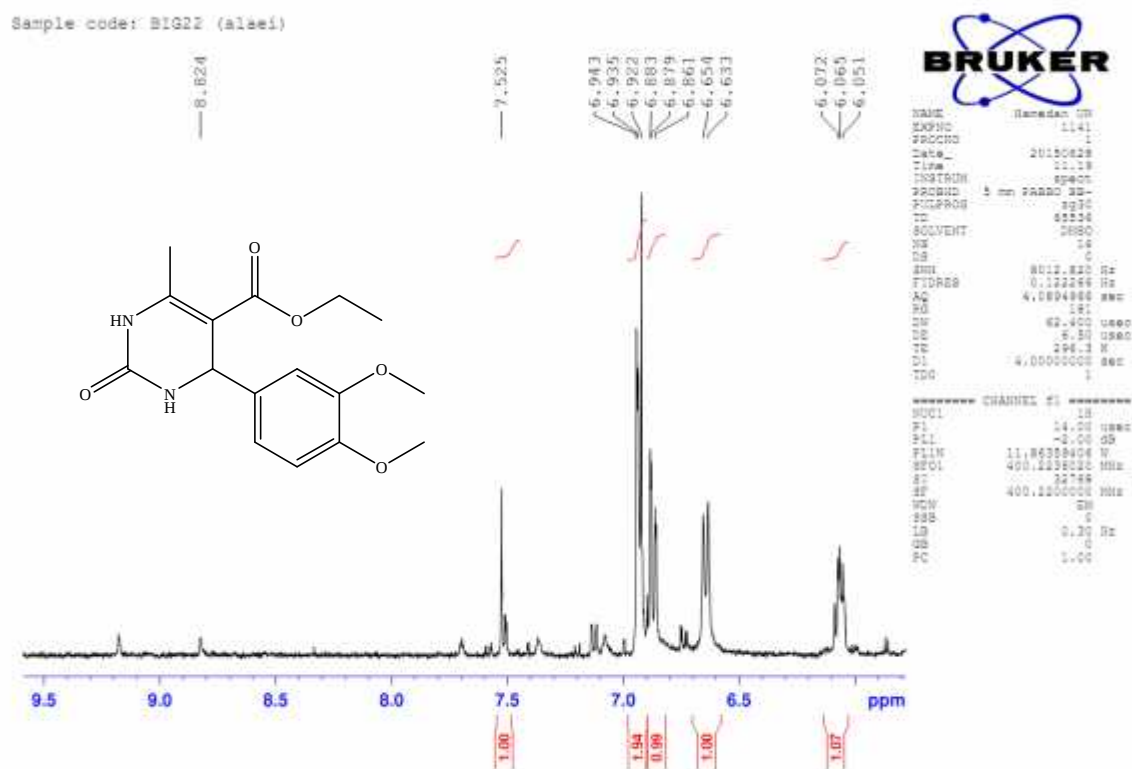


Fig S164. The ^{13}C NMR spectrum of ethyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 22)

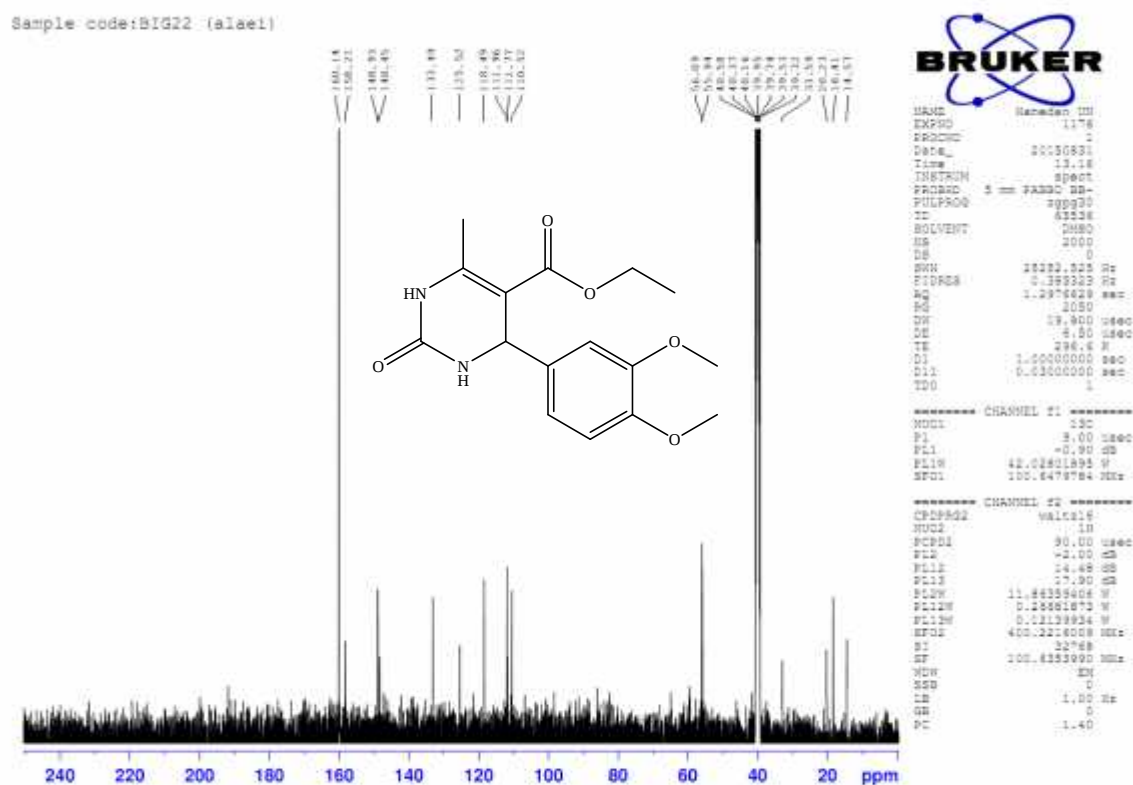


Fig S165. The ^{13}C NMR spectrum of ethyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate (Table 4, entry 22)

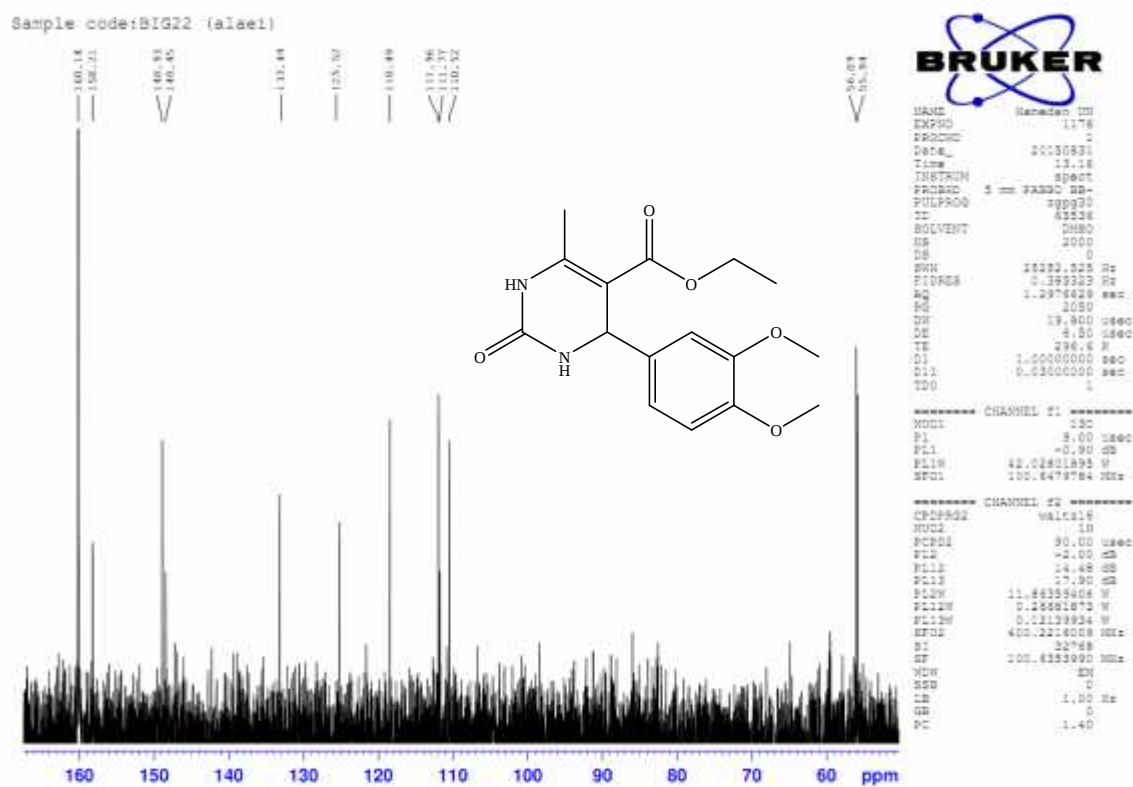


Fig S166. The mass spectrum of *ethyl 4-(3,4-dimethoxyphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate* (Table 4, entry 22)

Abundance

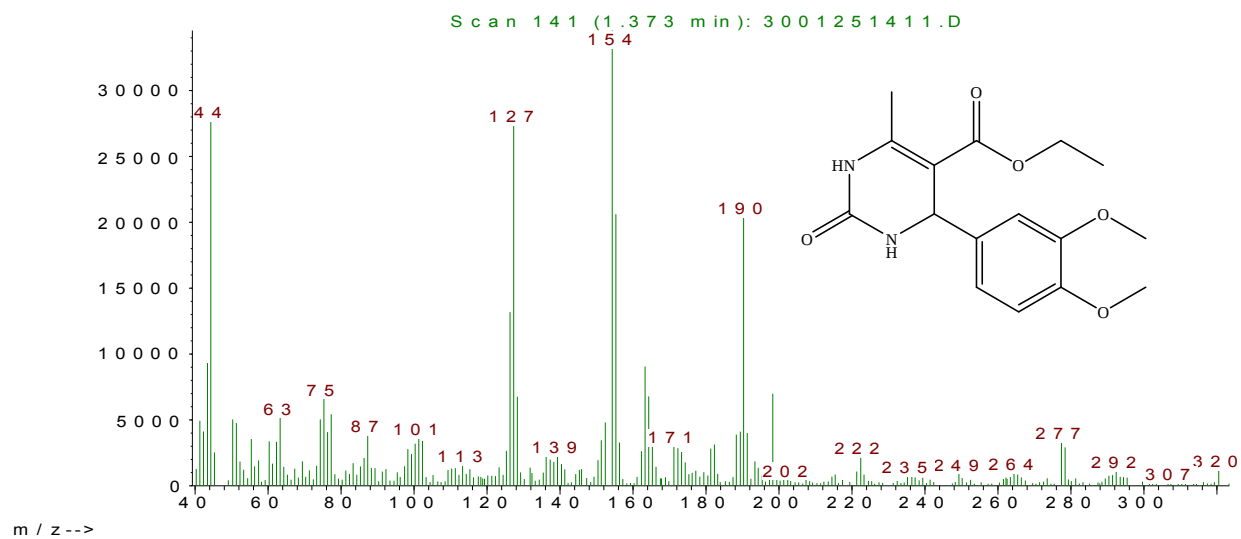


Fig S167. The IR spectrum of 4-(3,4-dimethoxyphenyl)-7,7-dimethyl-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 23)

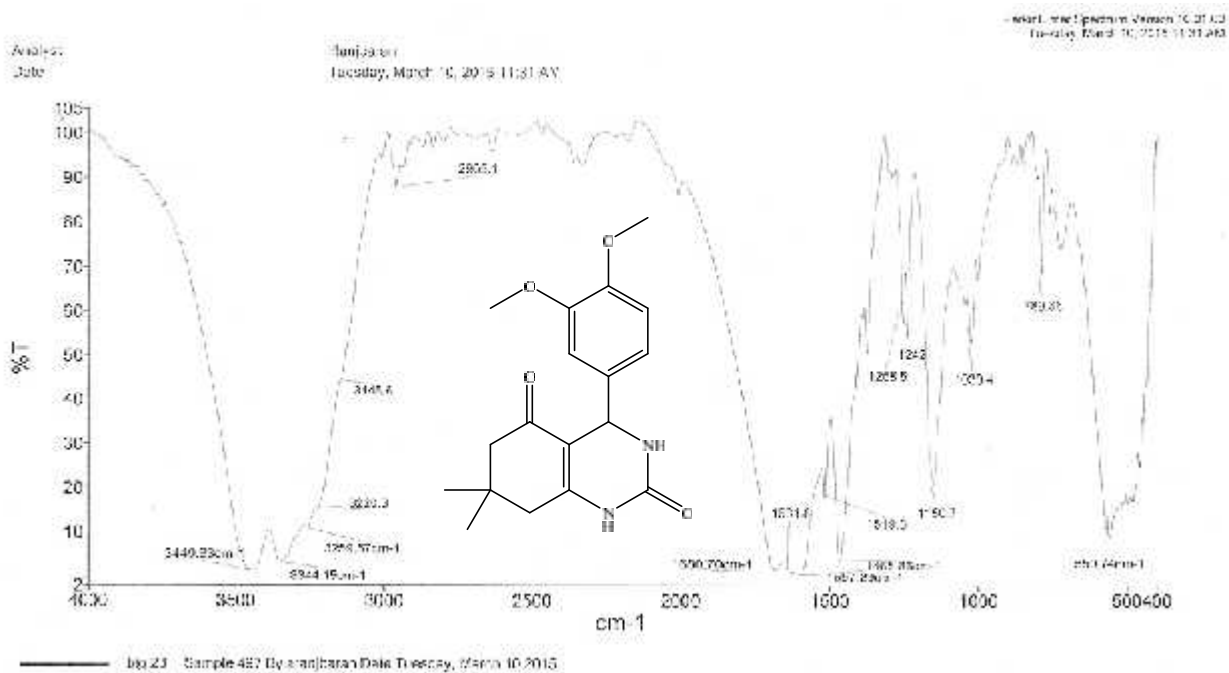


Fig S168. The ^1H NMR spectrum of 4-(3,4-dimethoxyphenyl)-7,7-dimethyl-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 23)

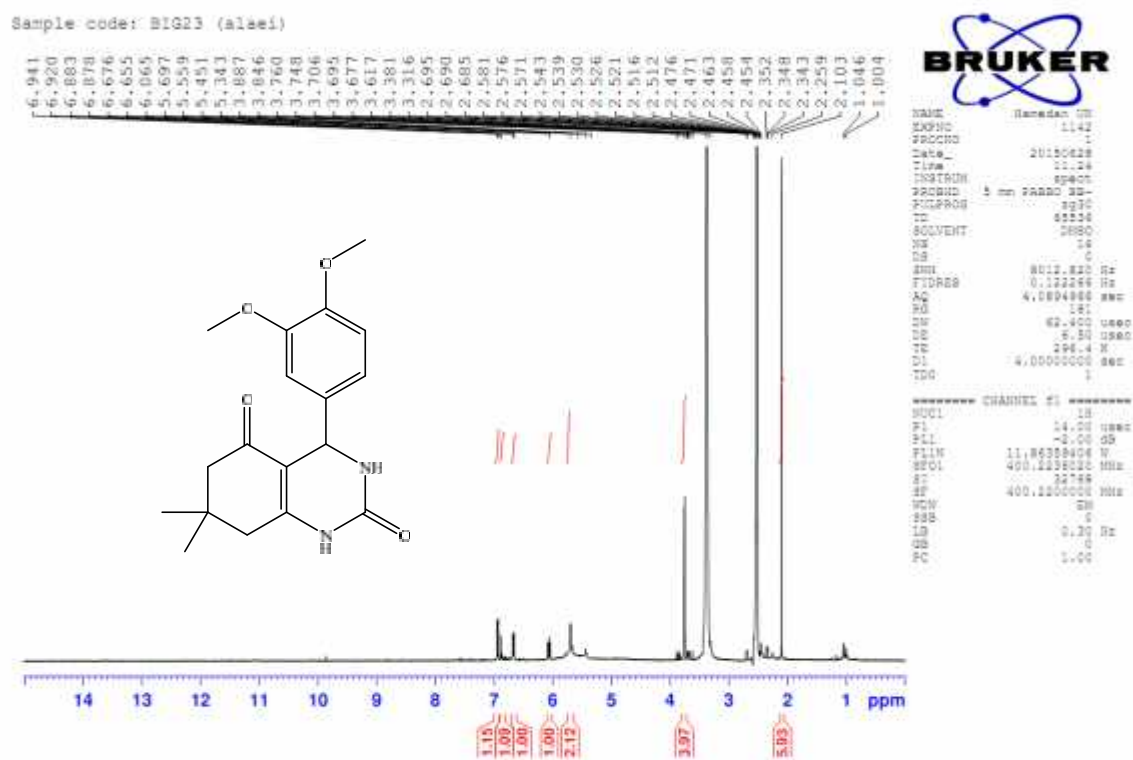


Fig S169. The ^1H NMR spectrum of 4-(3,4-dimethoxyphenyl)-7,7-dimethyl-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 23)

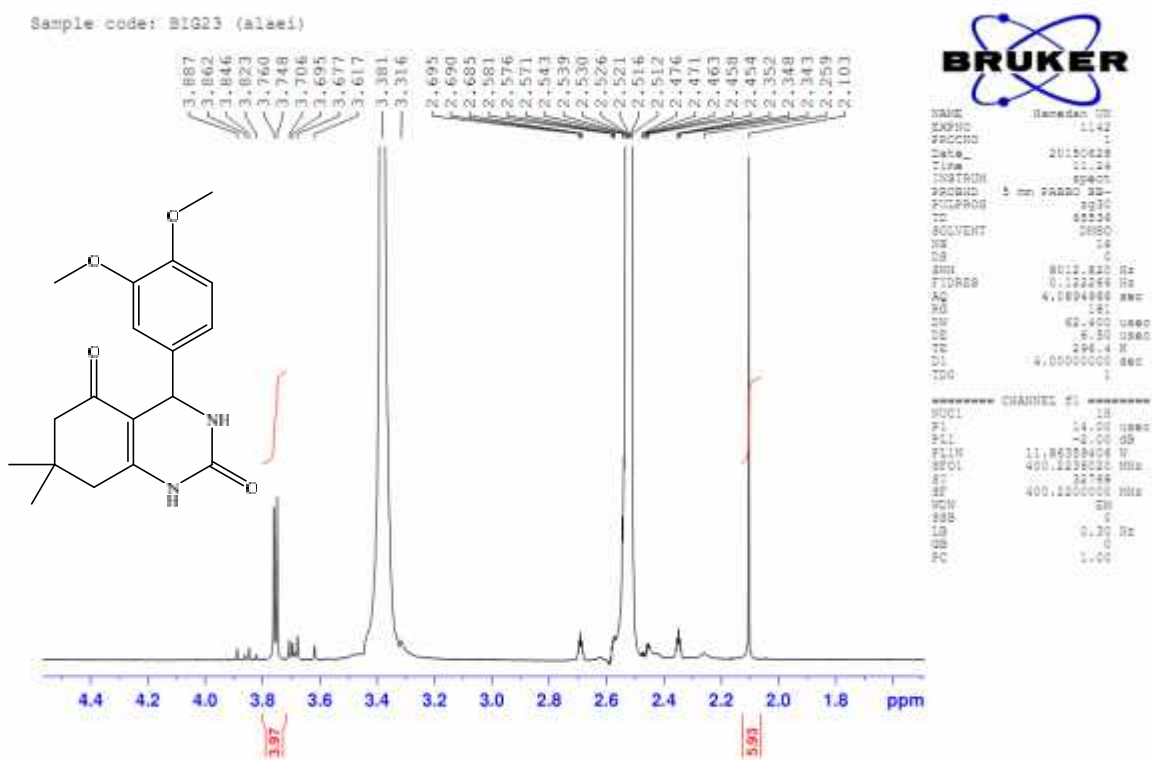


Fig S170. The ^1H NMR spectrum of 4-(3,4-dimethoxyphenyl)-7,7-dimethyl-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 23)

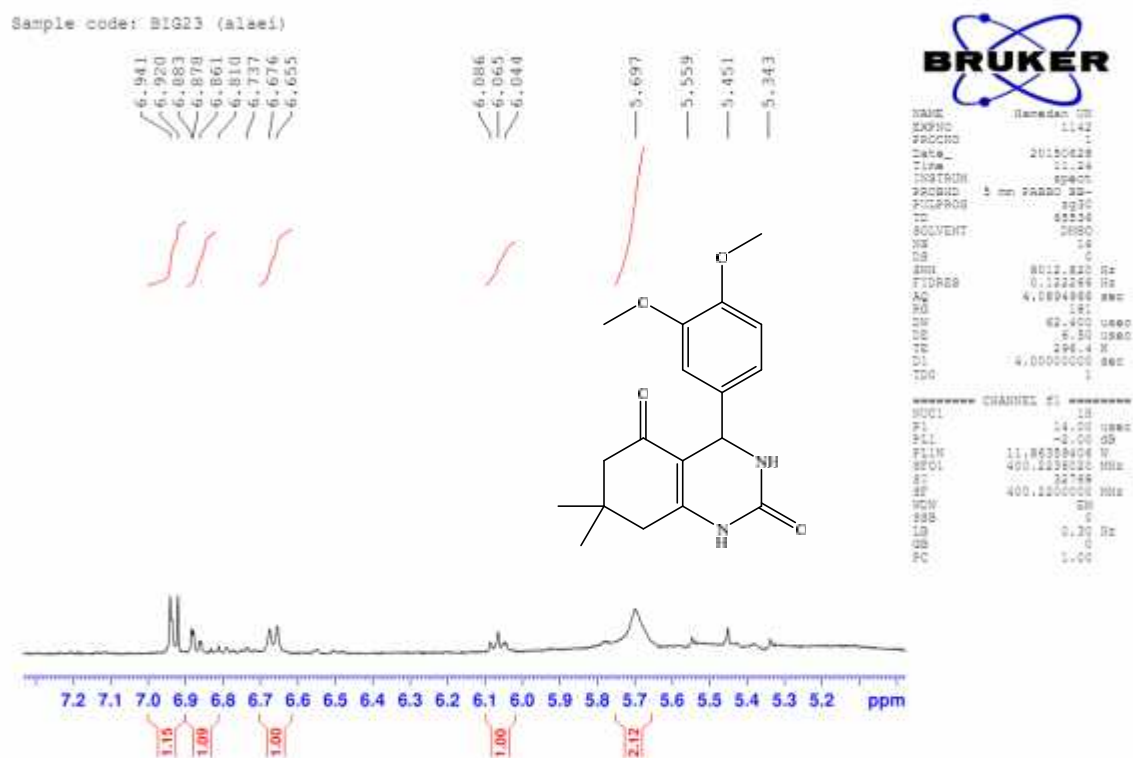
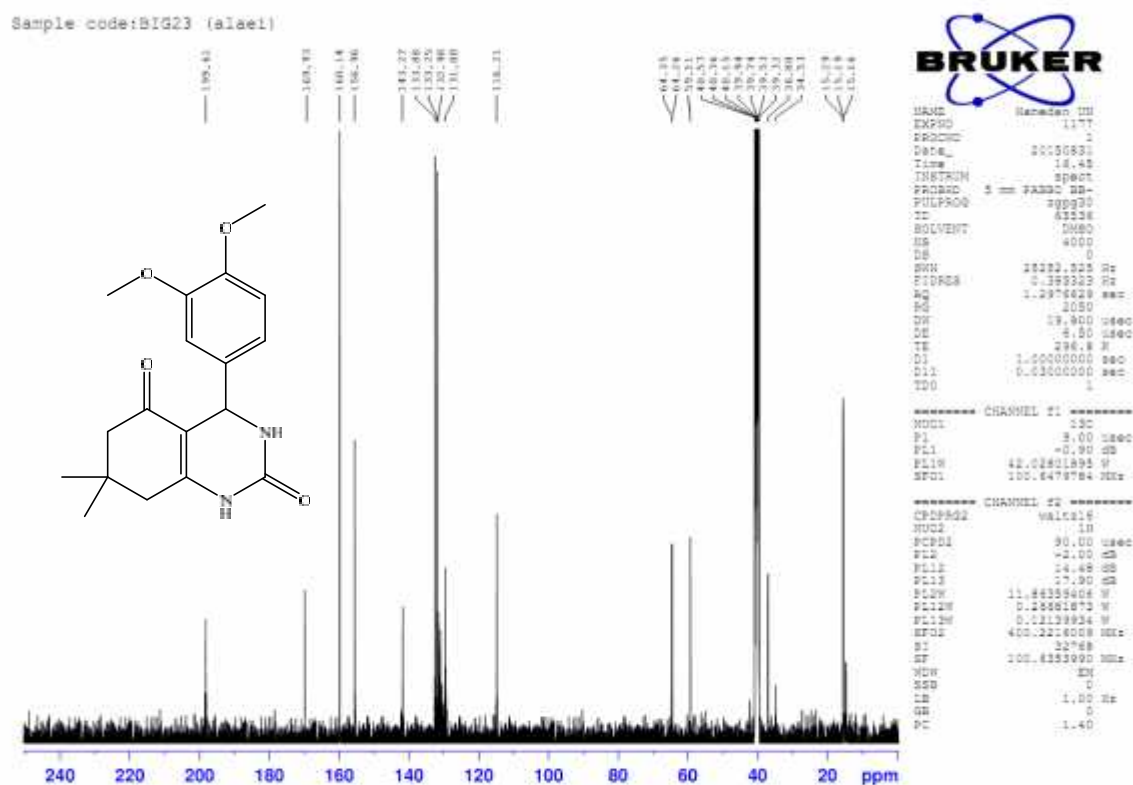


Fig S171. The ^{13}C NMR spectrum of 4-(3,4-dimethoxyphenyl)-7,7-dimethyl-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 23)



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Fig S173. The ^{13}C NMR spectrum of 4-(3,4-dimethoxyphenyl)-7,7-dimethyl-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 23)

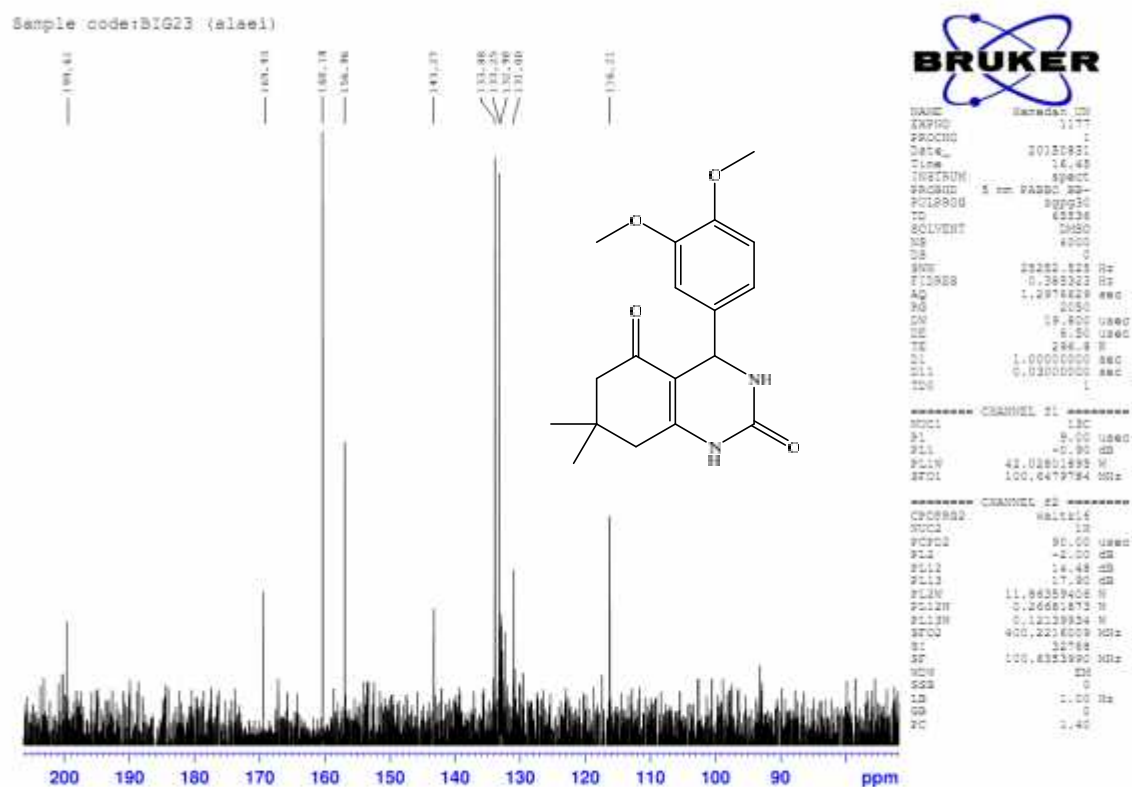


Fig S174. The mass spectrum of 4-(3,4-dimethoxyphenyl)-7,7-dimethyl-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 23)

Abundance

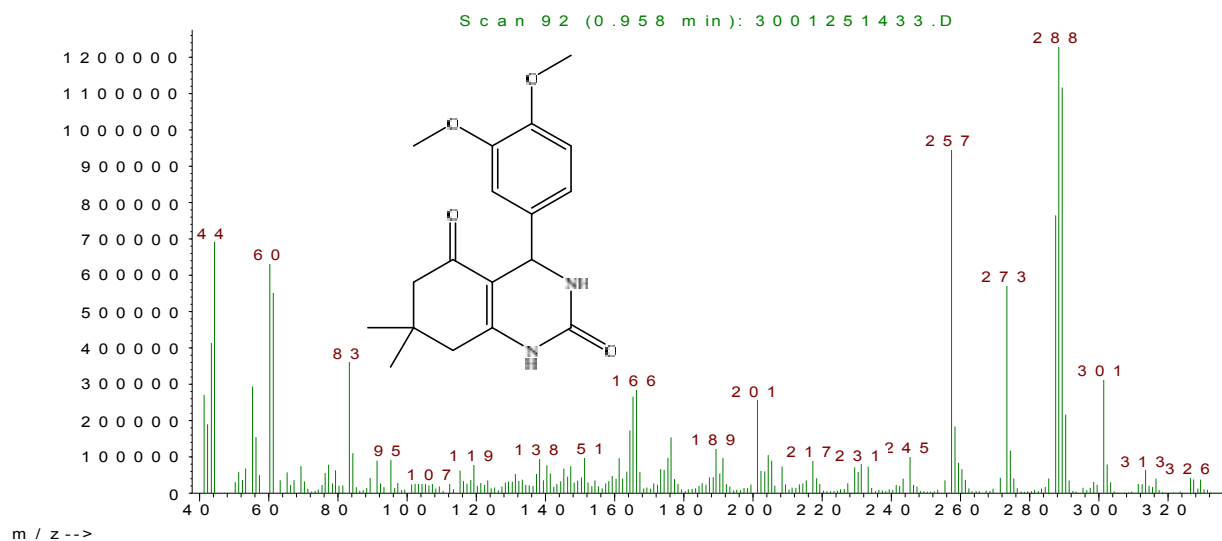


Fig S175. The IR spectrum of 4-(3,4-dimethoxyphenyl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 24)

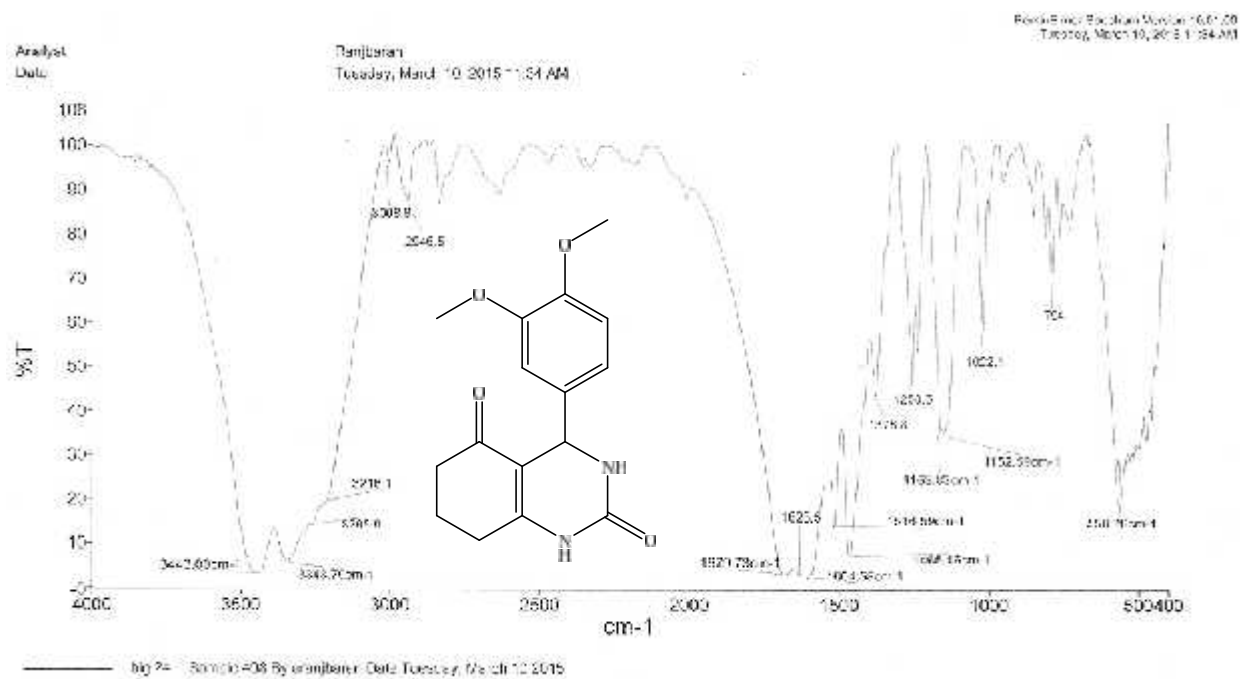


Fig S176. The ^1H NMR spectrum of 4-(3,4-dimethoxyphenyl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 24)

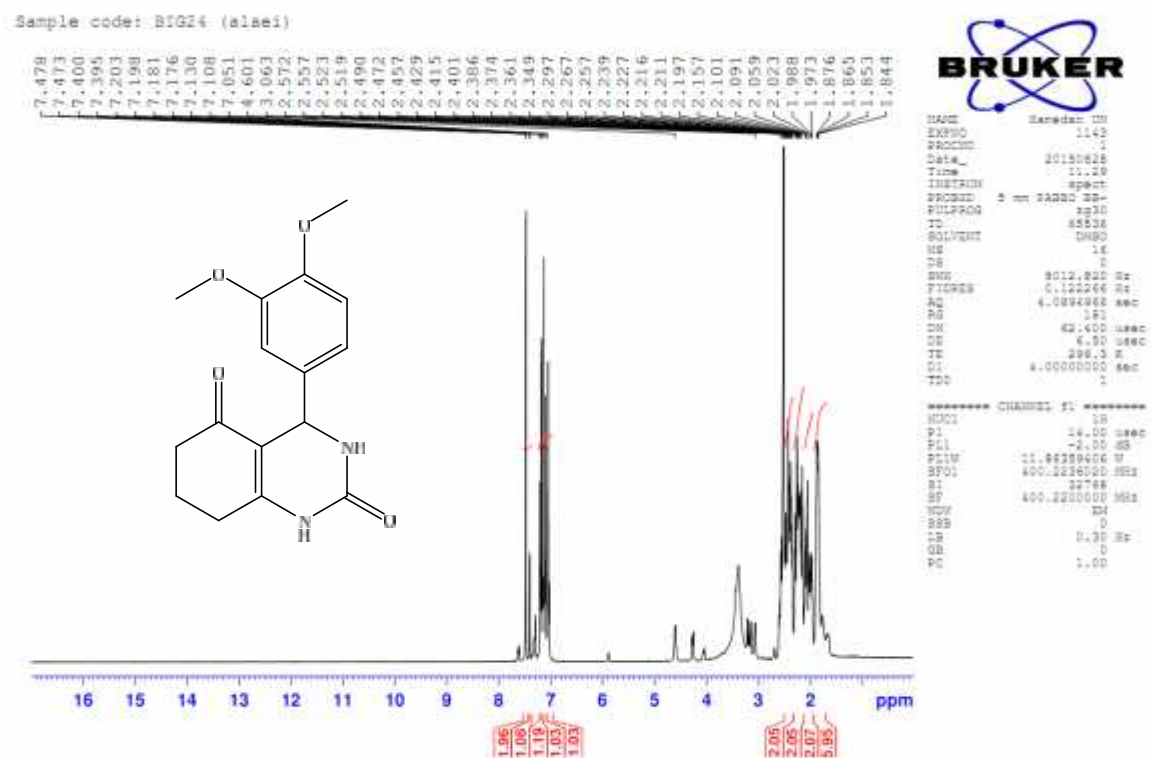


Fig S177. The ^1H NMR spectrum of 4-(3,4-dimethoxyphenyl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 24)

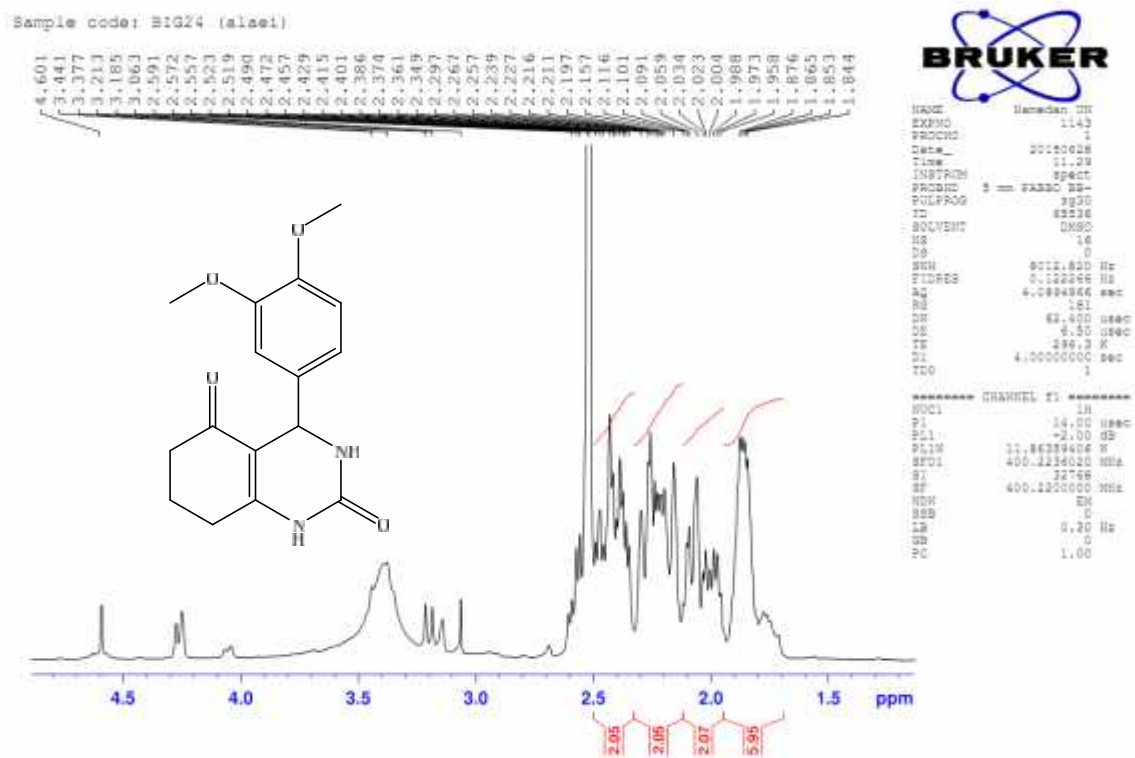


Fig S178. The ^1H NMR spectrum of 4-(3,4-dimethoxyphenyl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 24)

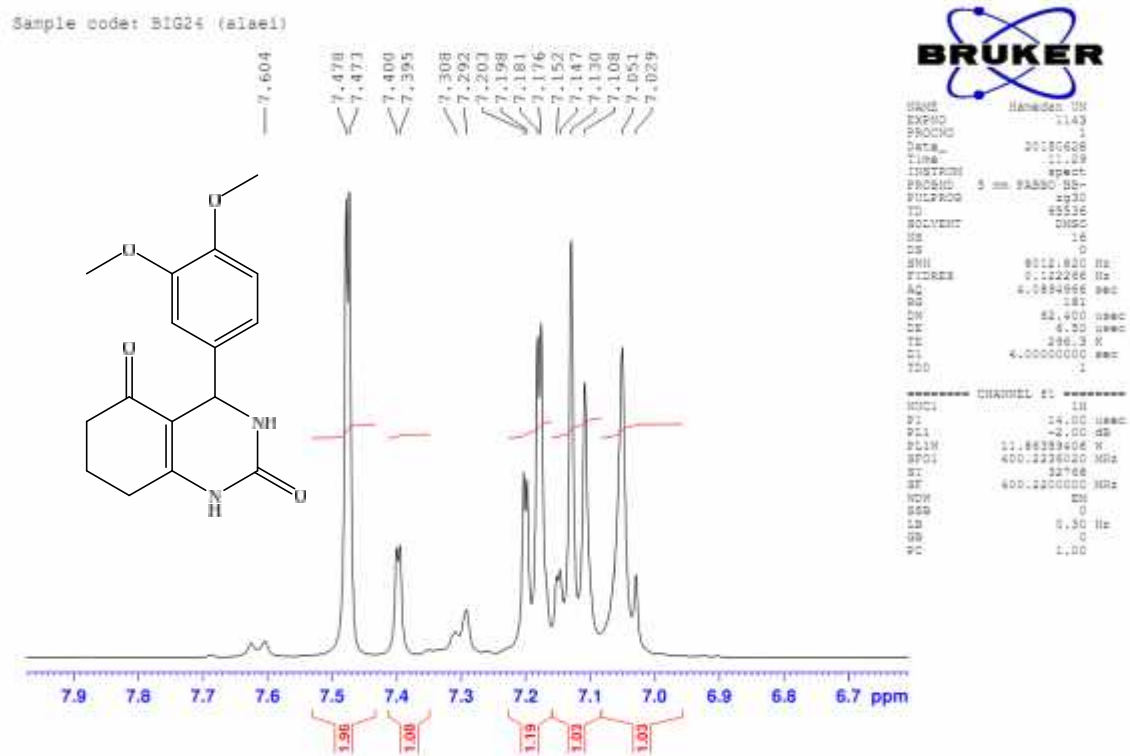


Fig S179. The ^{13}C NMR spectrum of 4-(3,4-dimethoxyphenyl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 24)

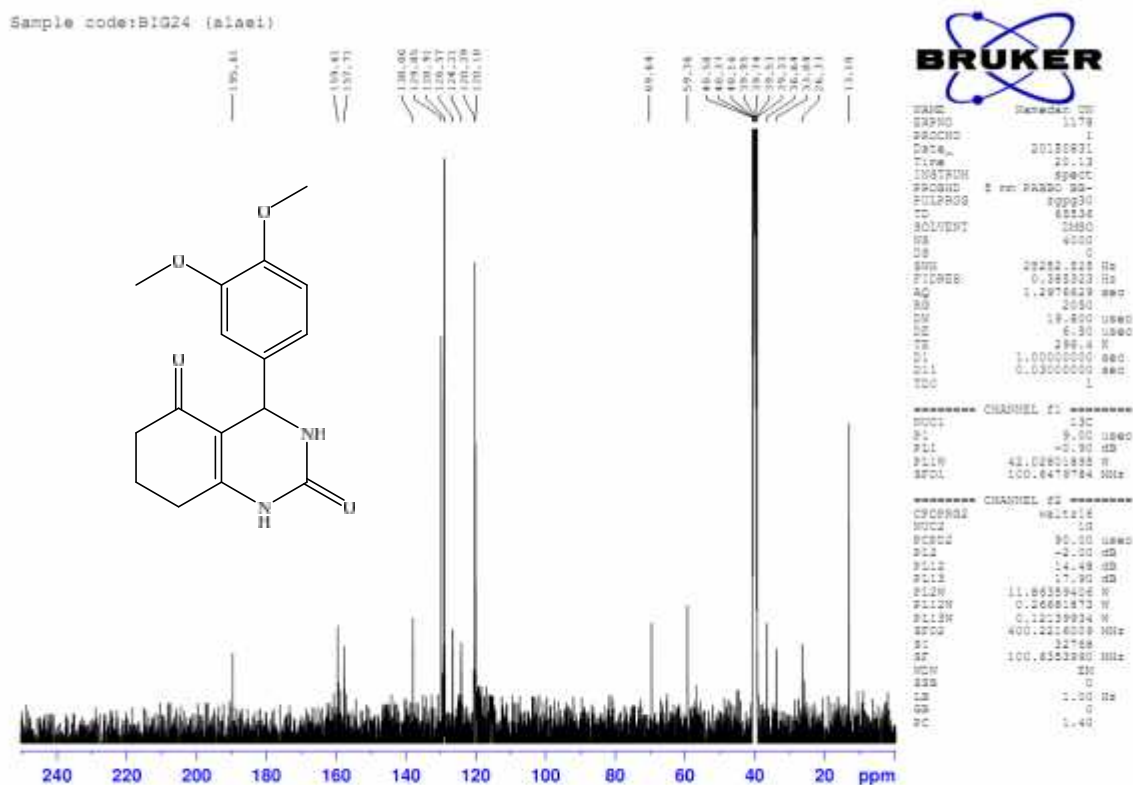


Fig S180. The ^{13}C NMR spectrum of 4-(3,4-dimethoxyphenyl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 24)

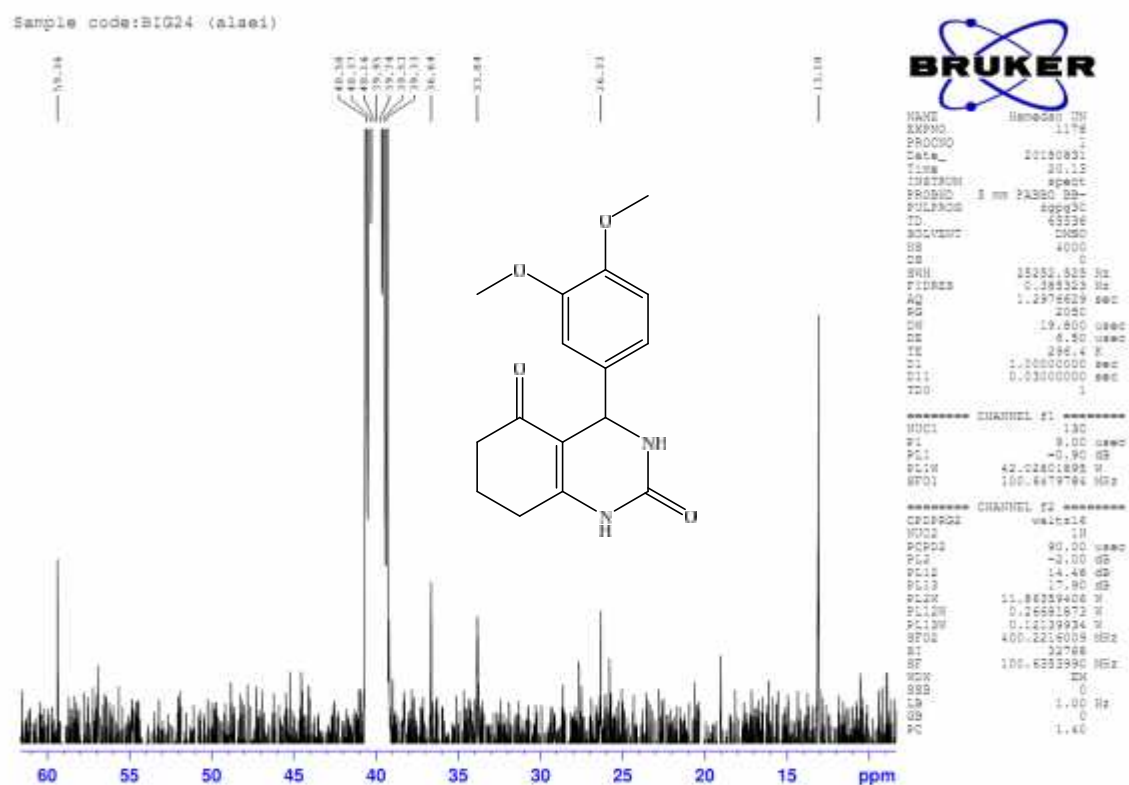


Fig S181. The ^{13}C NMR spectrum of 4-(3,4-dimethoxyphenyl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 24)

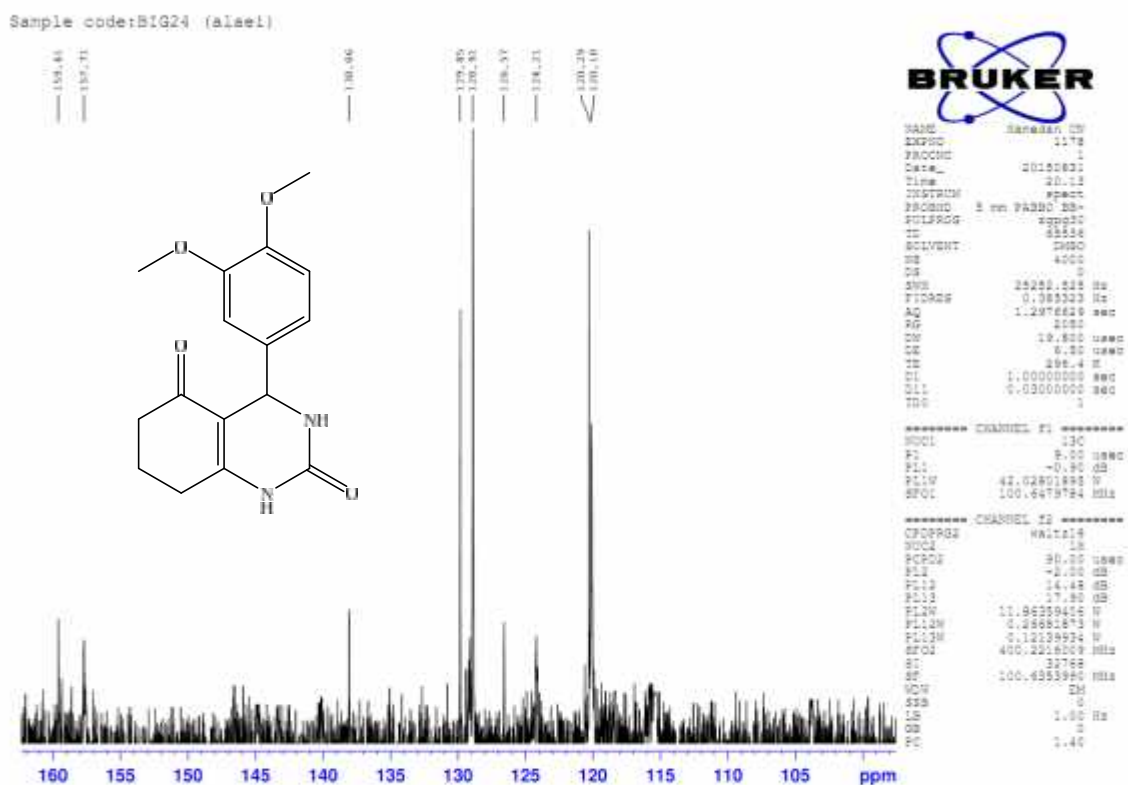


Fig S182. The mass spectrum of 4-(3,4-dimethoxyphenyl)-4,6,7,8-tetrahydroquinazoline-2,5(1H,3H)-dione (Table 4, entry 24)

Abundance

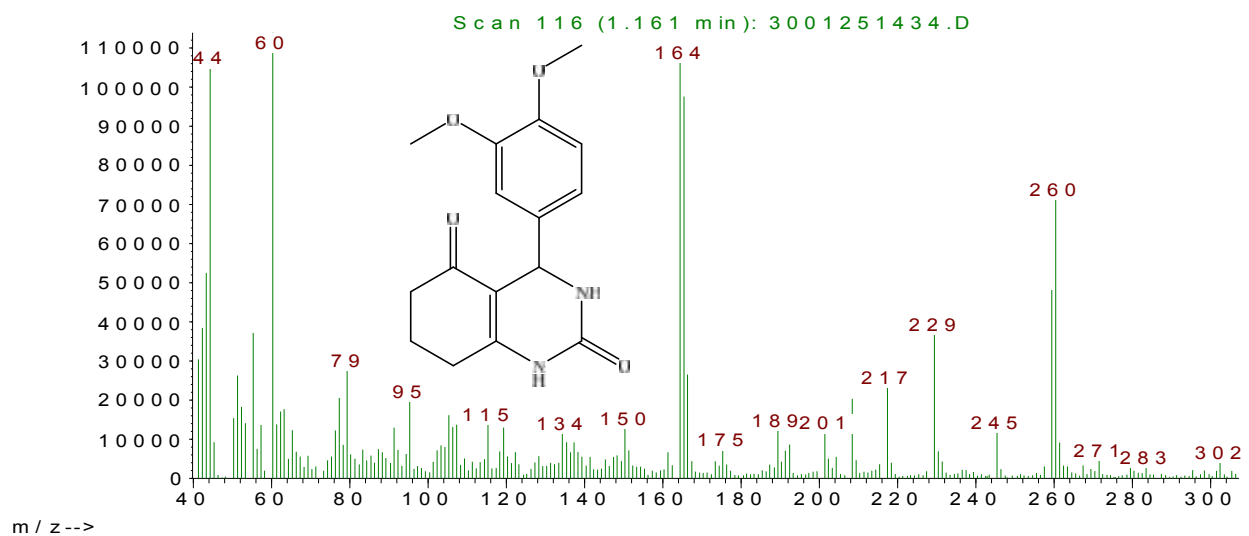


Fig. S183. The ^1H NMR spectrum of DMSO- d_6 with high intensity

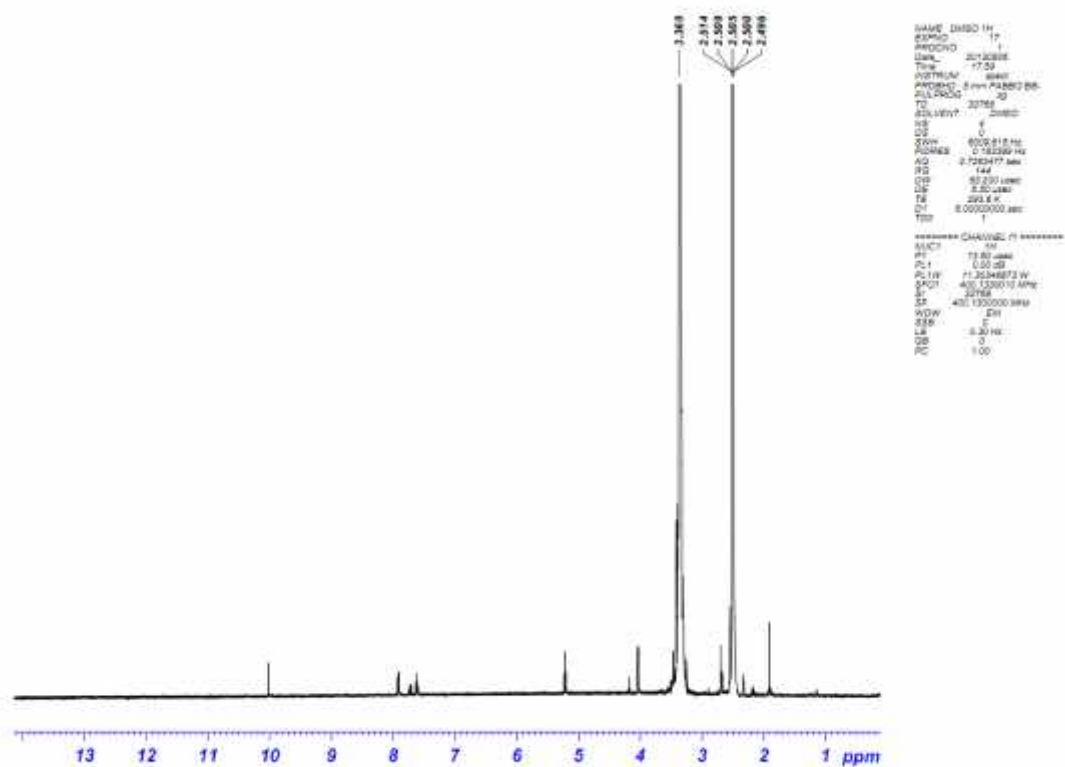


Fig. S184. The IR spectrum of recycled ionic liquid catalyst

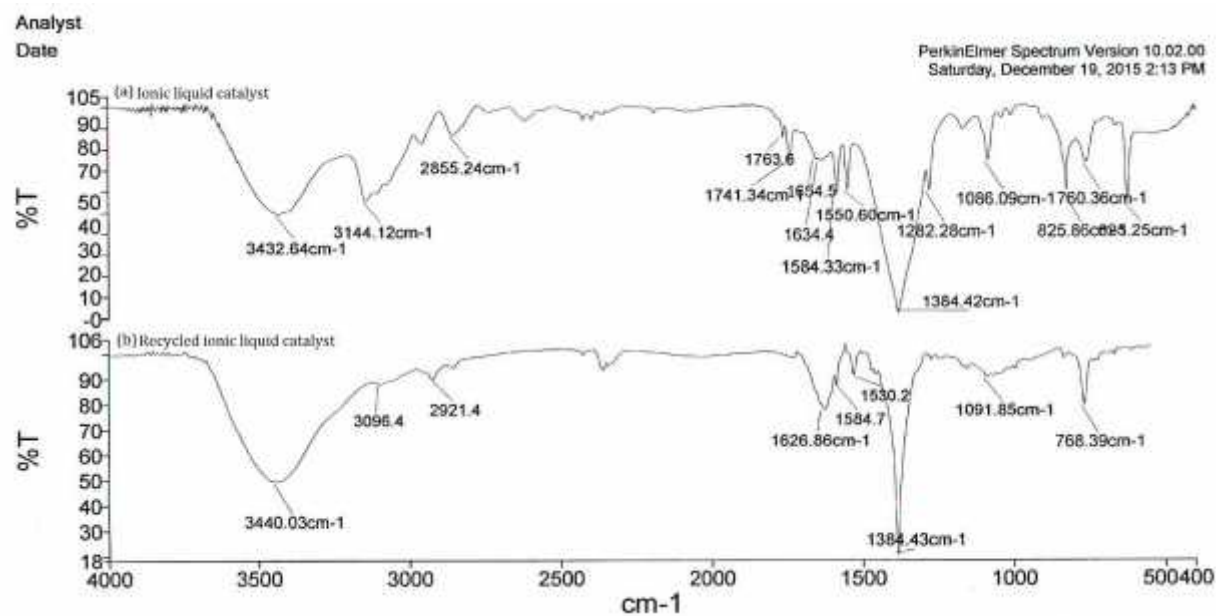


Fig. S185. The ^1H NMR spectrum of recycled ionic liquid catalyst

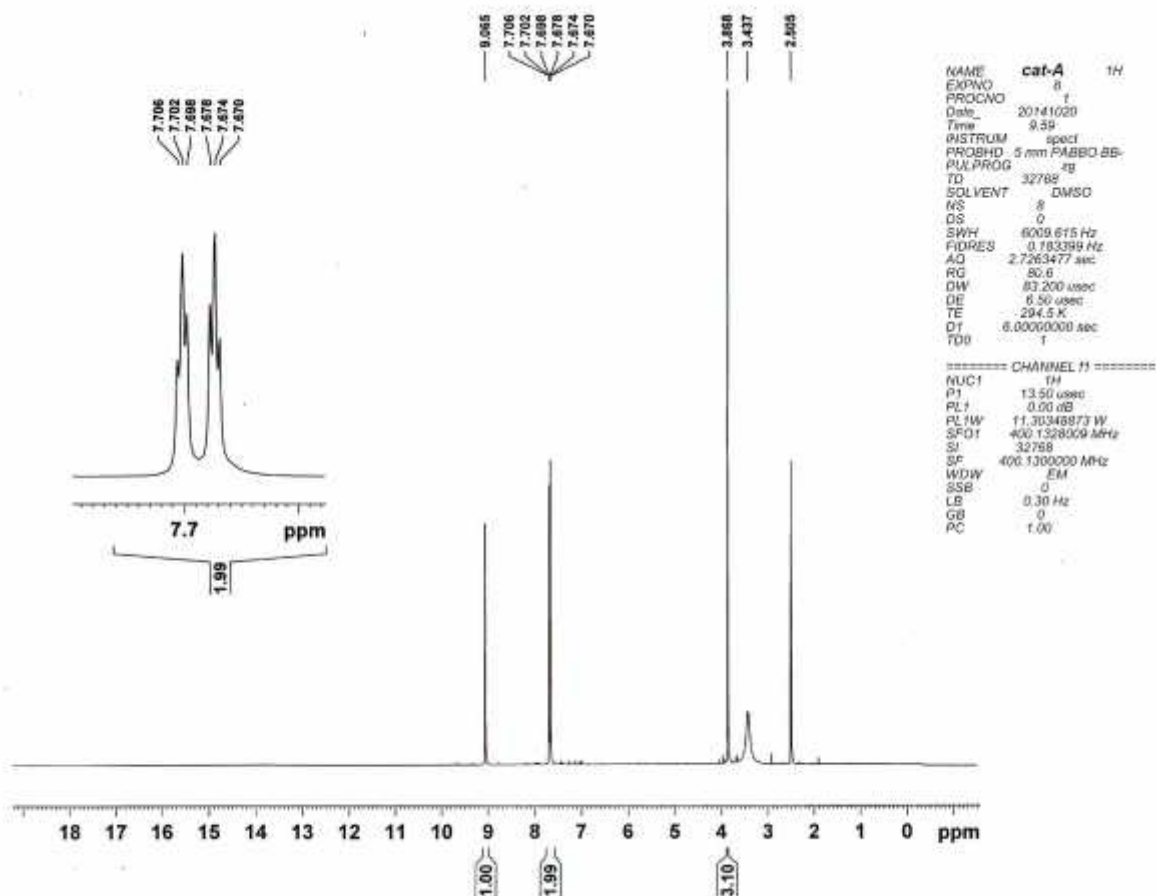


Fig. S186. The ^{13}C NMR spectrum of recycled ionic liquid catalyst

