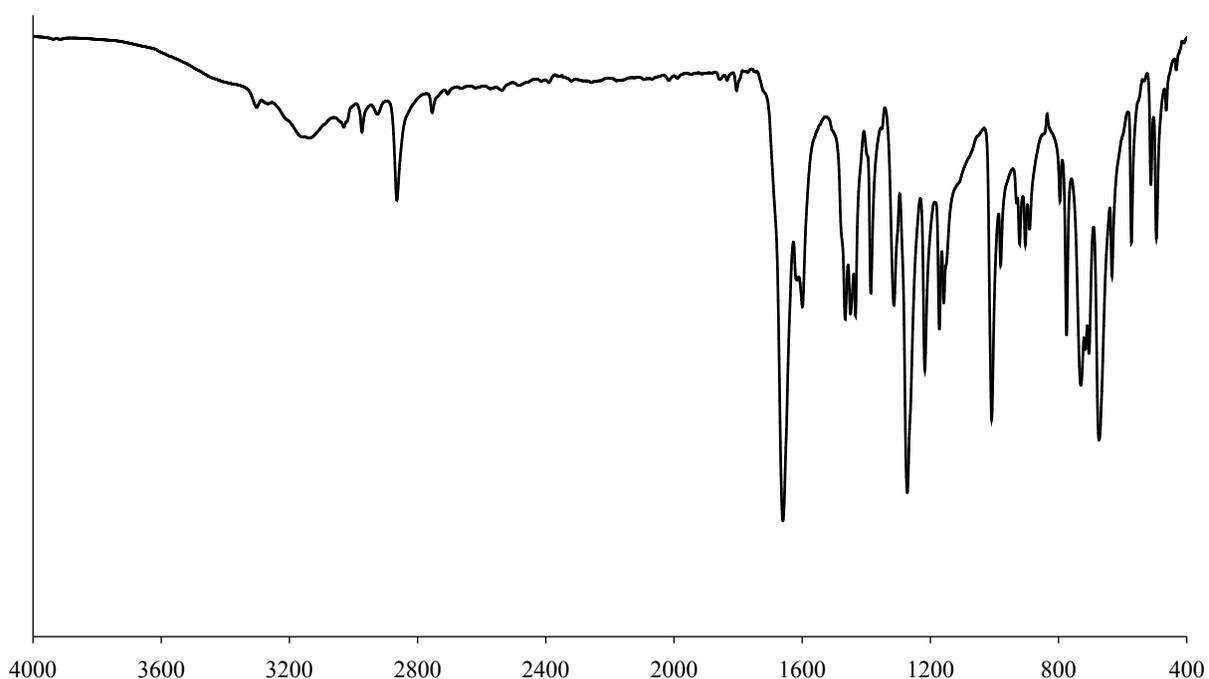


Supplementary Information

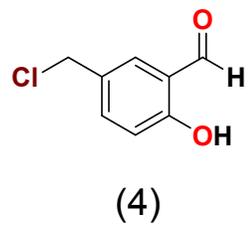
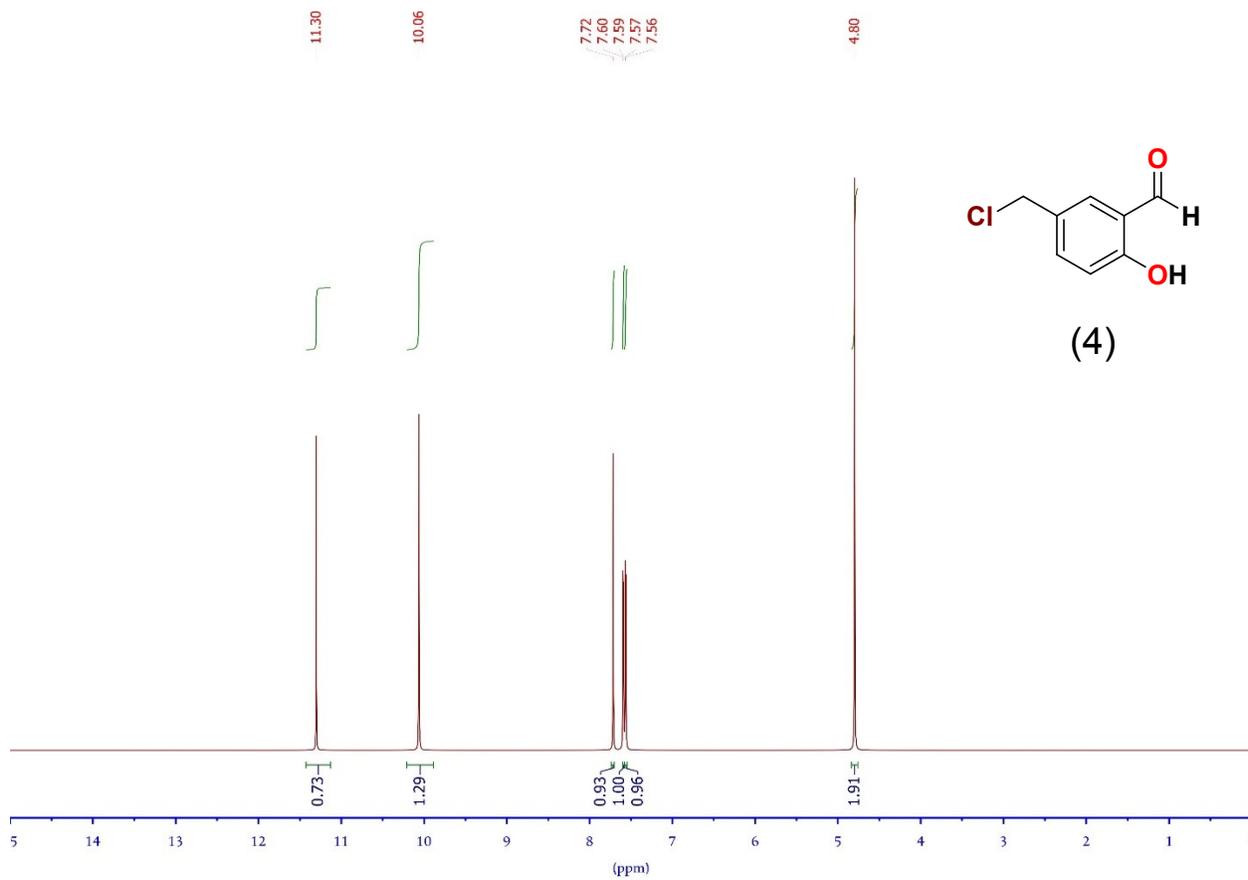
Design and synthesis of magnetic Fe₃O₄@NFC-ImSalophCu nano catalyst based on cellulose nanofibers as a new and highly efficient, reusable, stable and green catalyst for synthesis of 1,2,3-triazoles

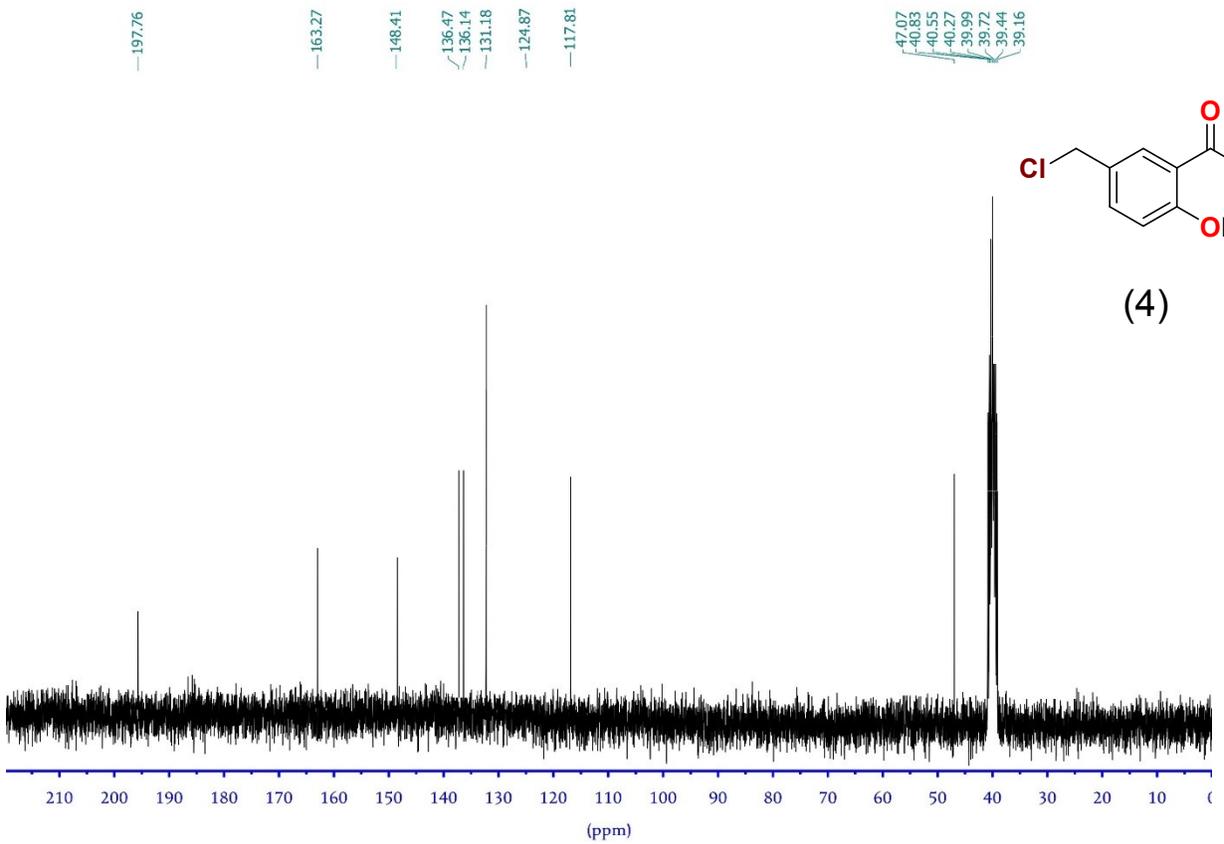
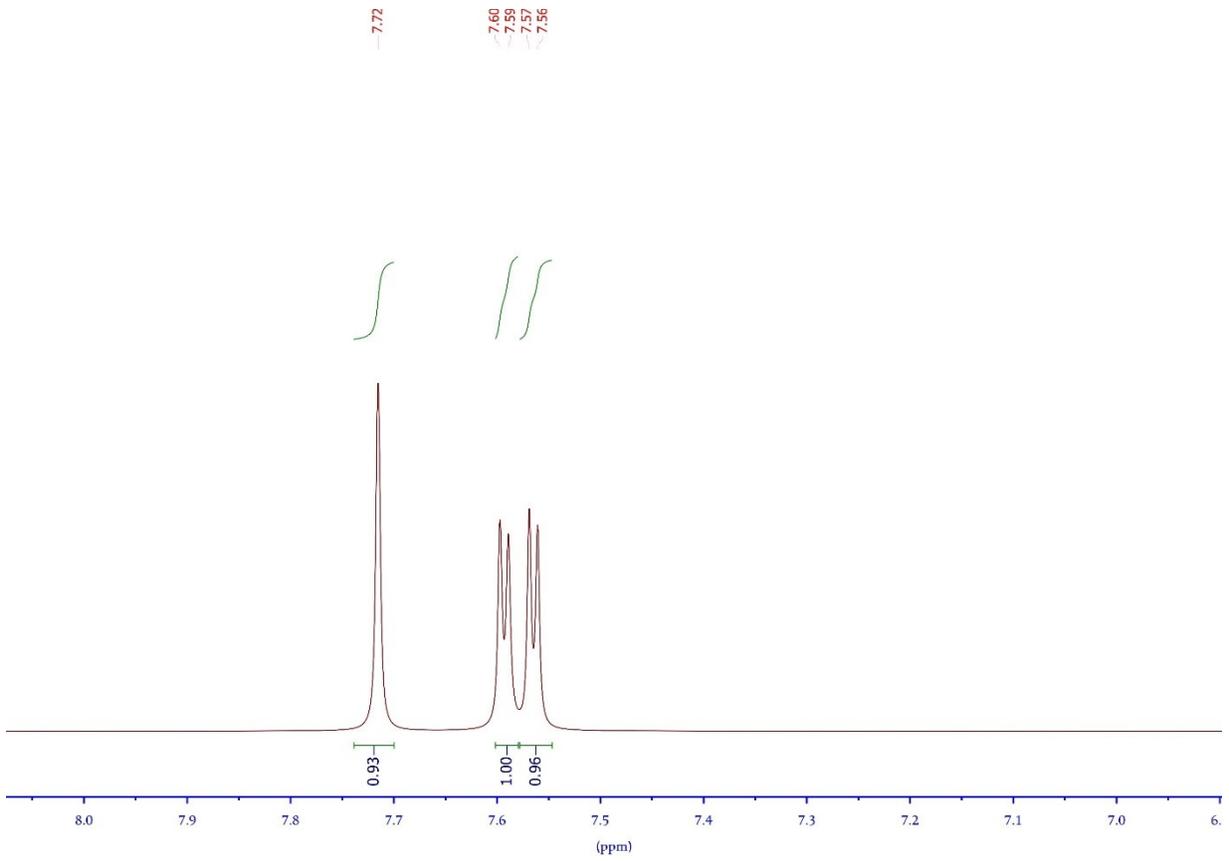
Pouya Ghamari kargar, ^a Ghodsieh Bagherzade*^a and Hossein Eshghi ^b

5-(chloromethyl)-2-hydroxybenzaldehyde (4)

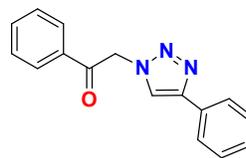
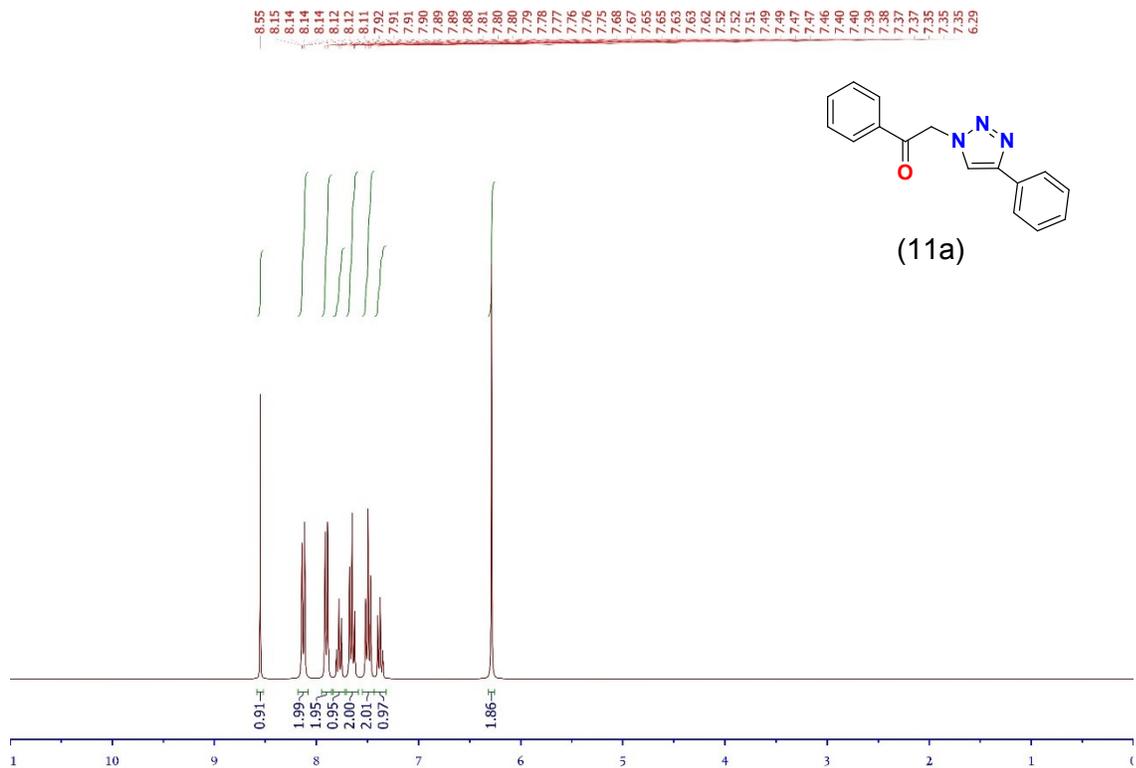


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b. Department of Chemistry, Faculty of Science, Ferdowsi University of Mashhad, Mashhad, Iran.

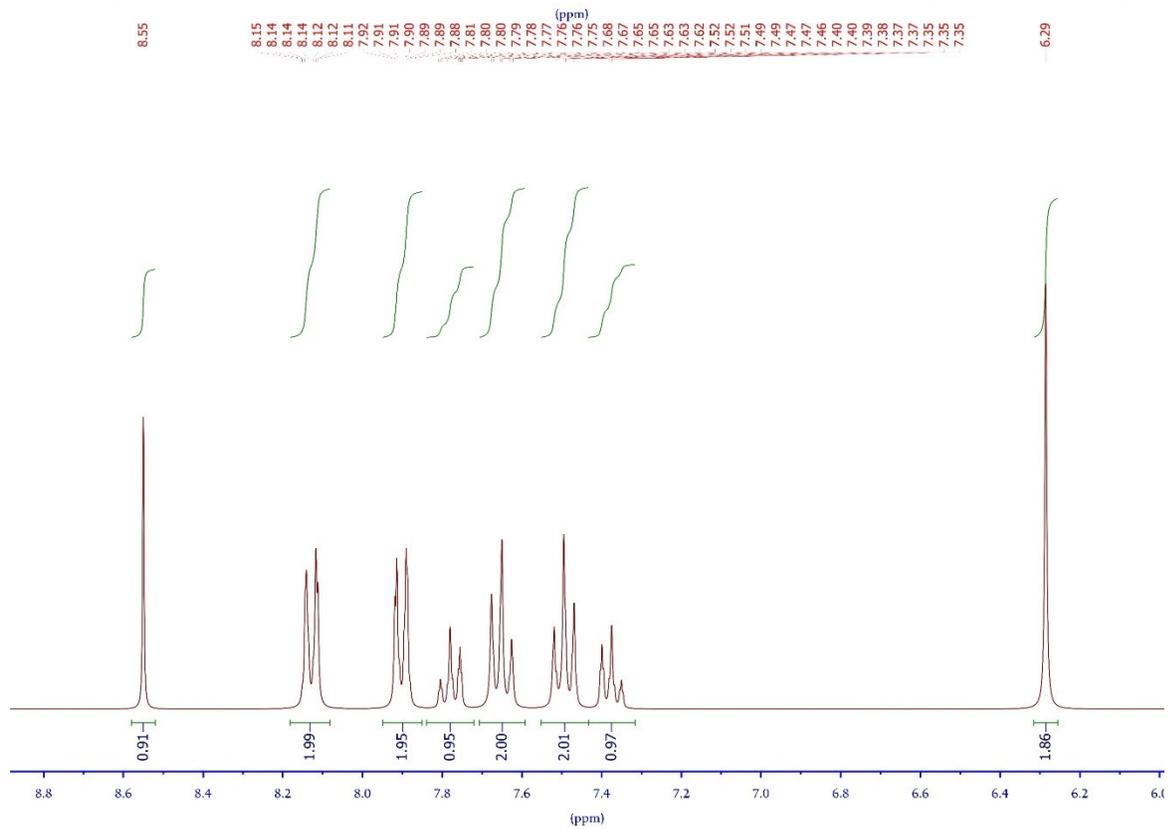


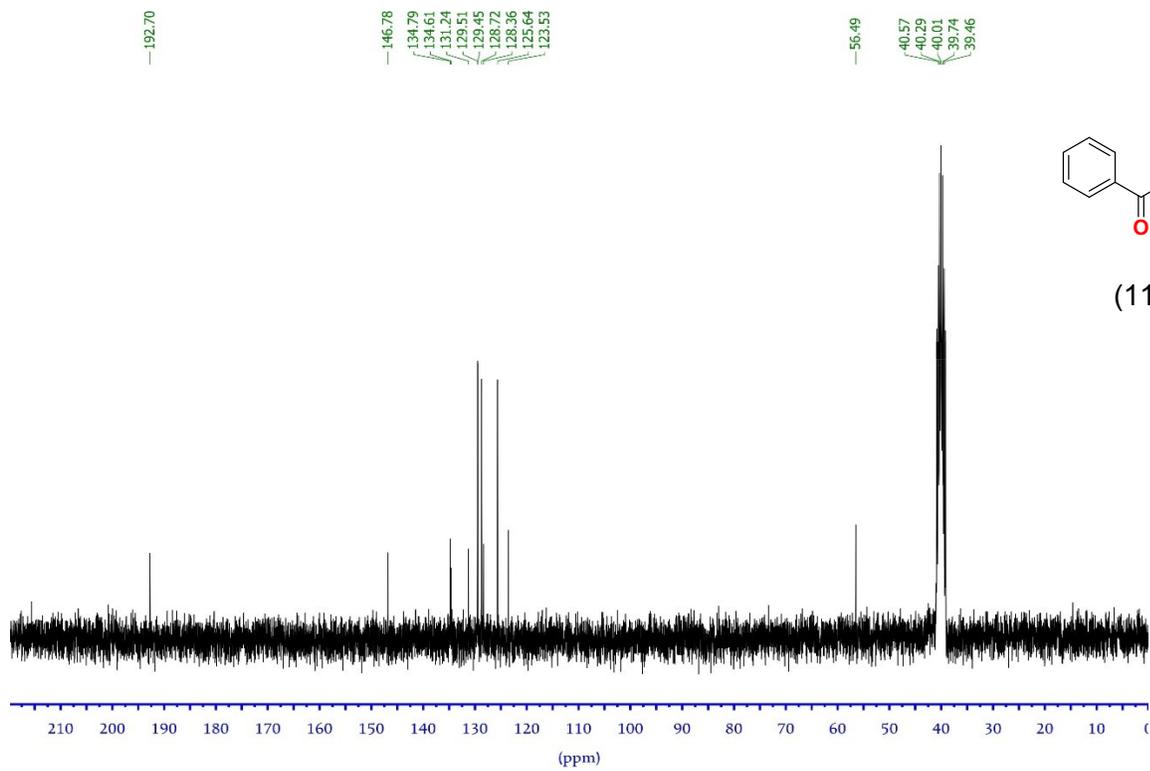


1-phenyl-2-(4-phenyl-1H-1,2,3-triazol-1-yl) ethanone (11a)

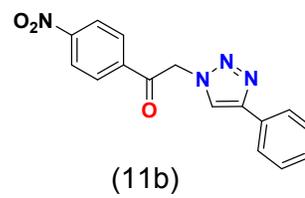
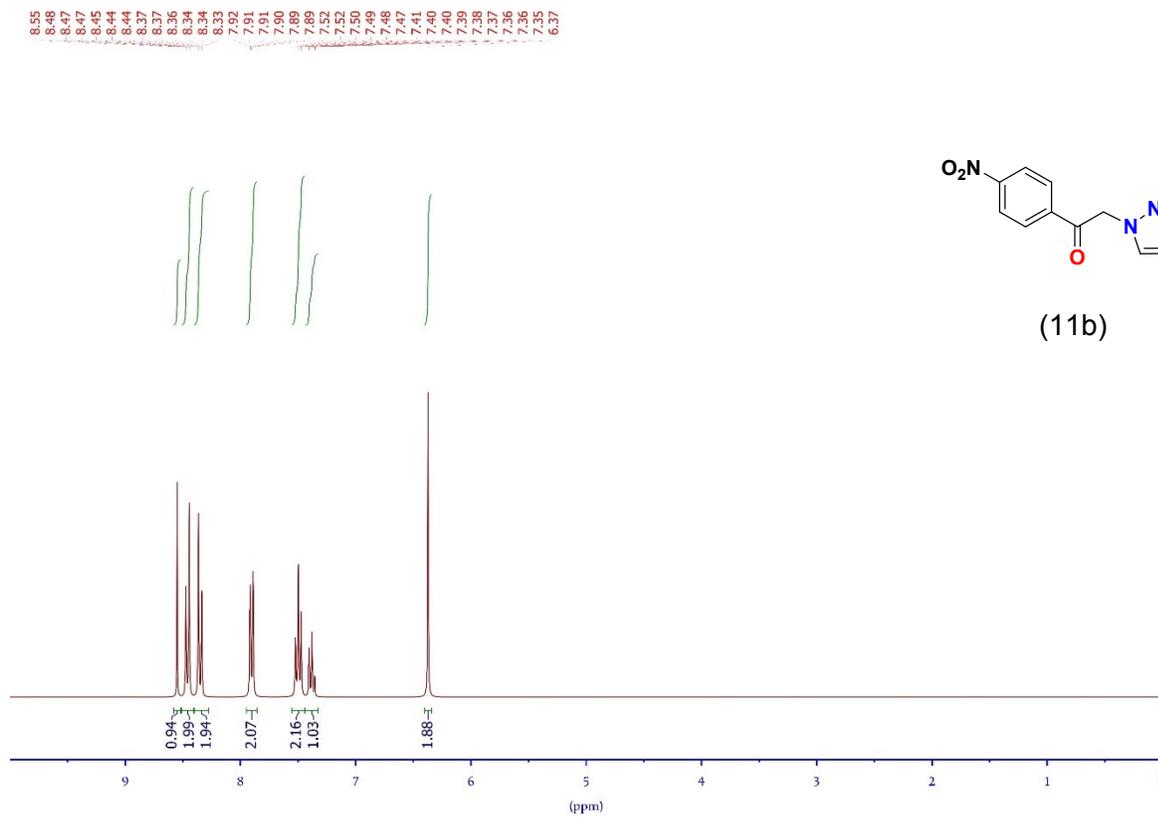


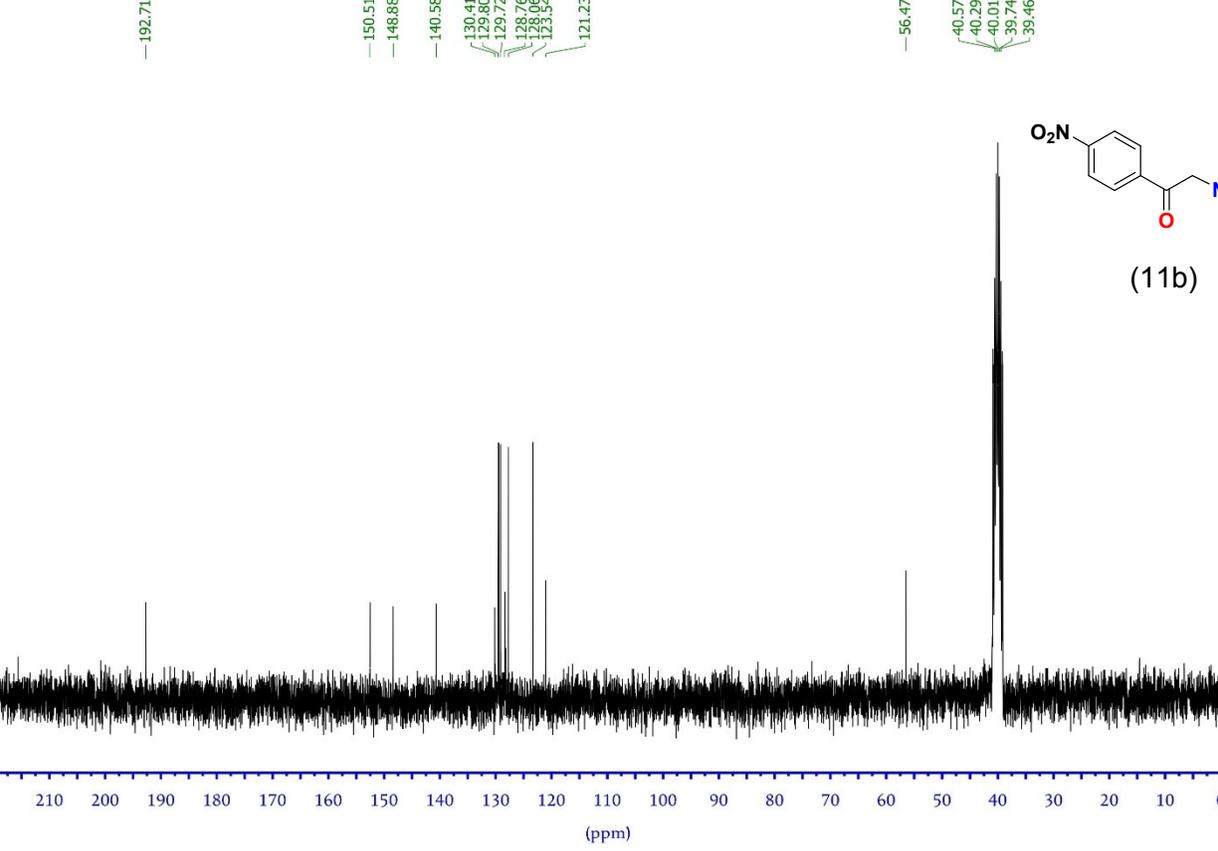
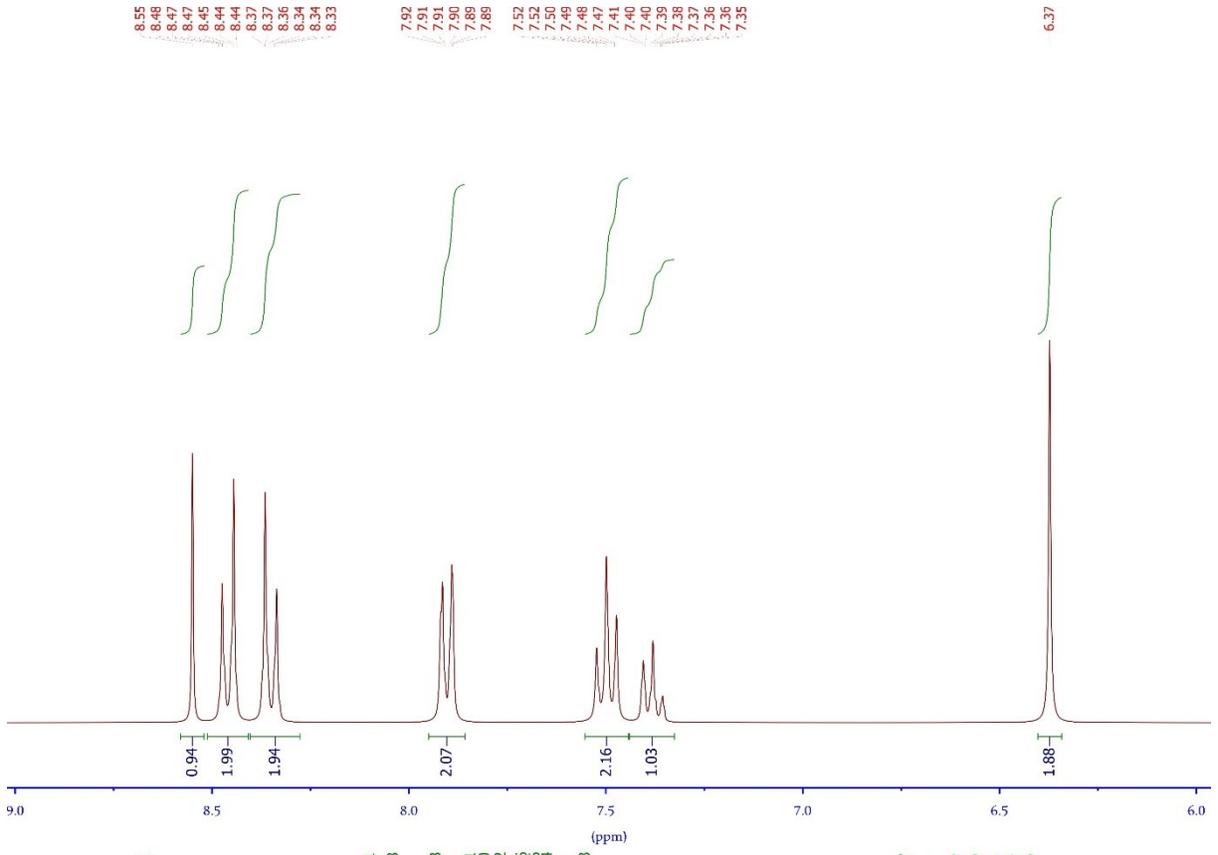
(11a)



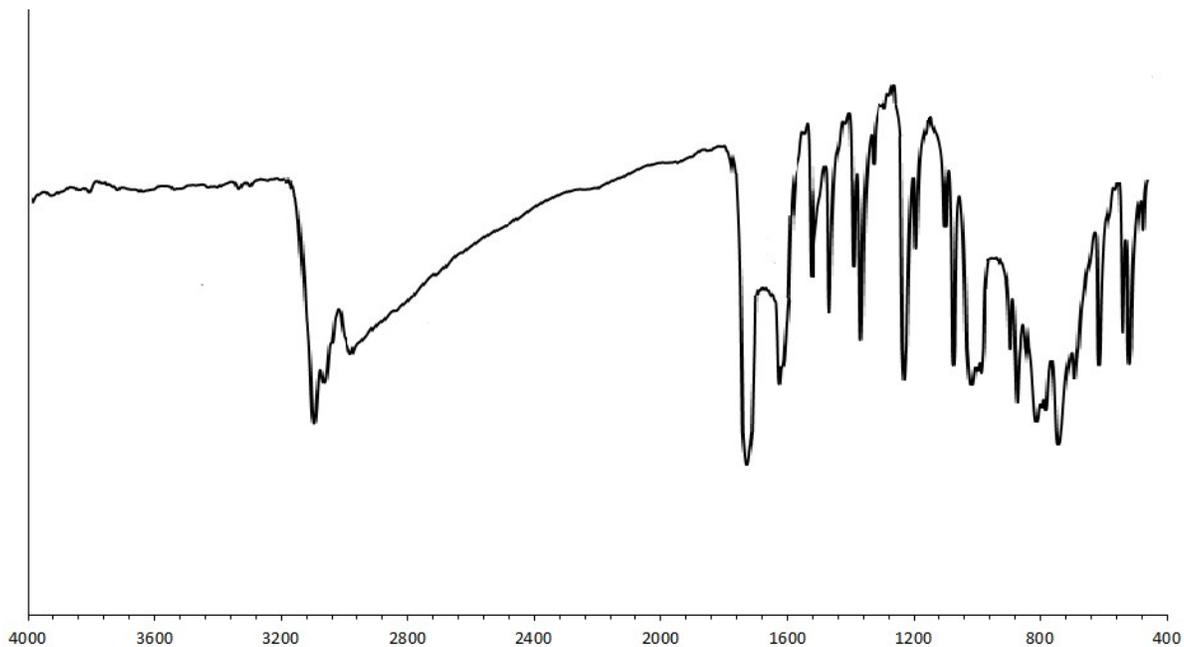


1-(4-nitro phenyl)-2-(4-phenyl-1H-1,2,3-triazol-1-yl) ethanone (11b)

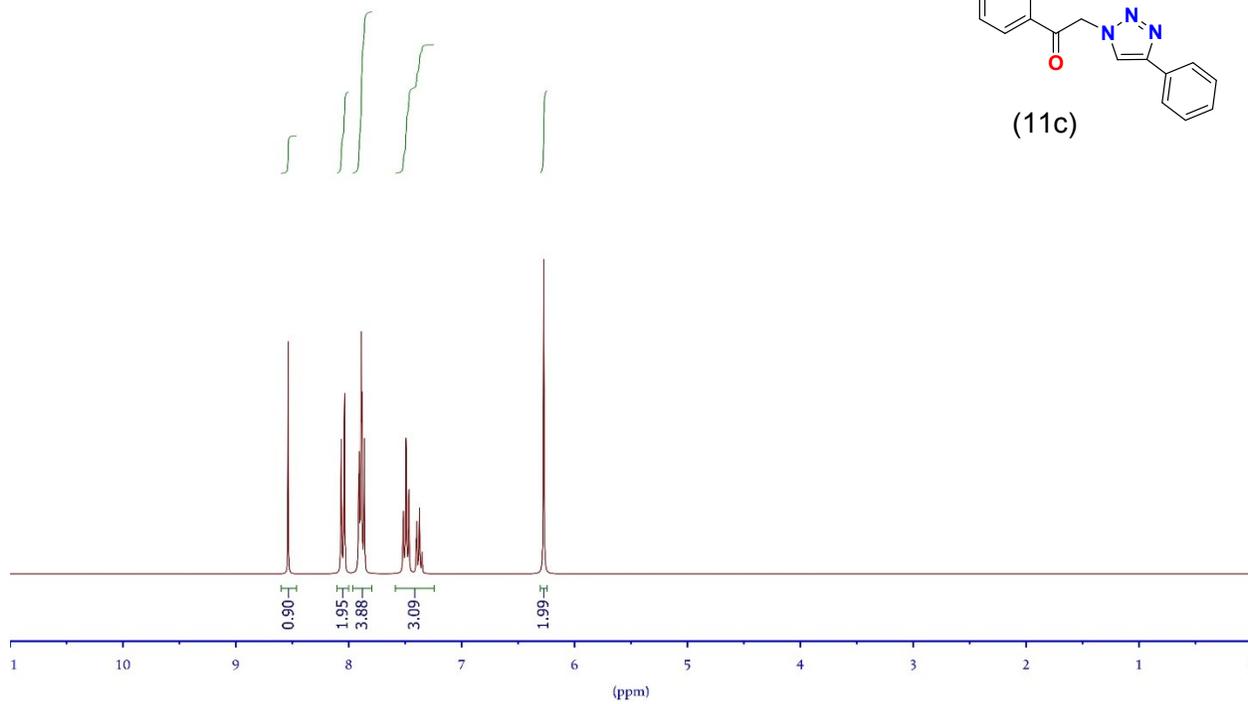
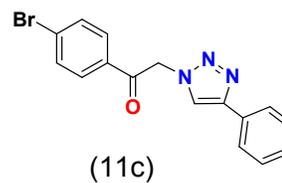


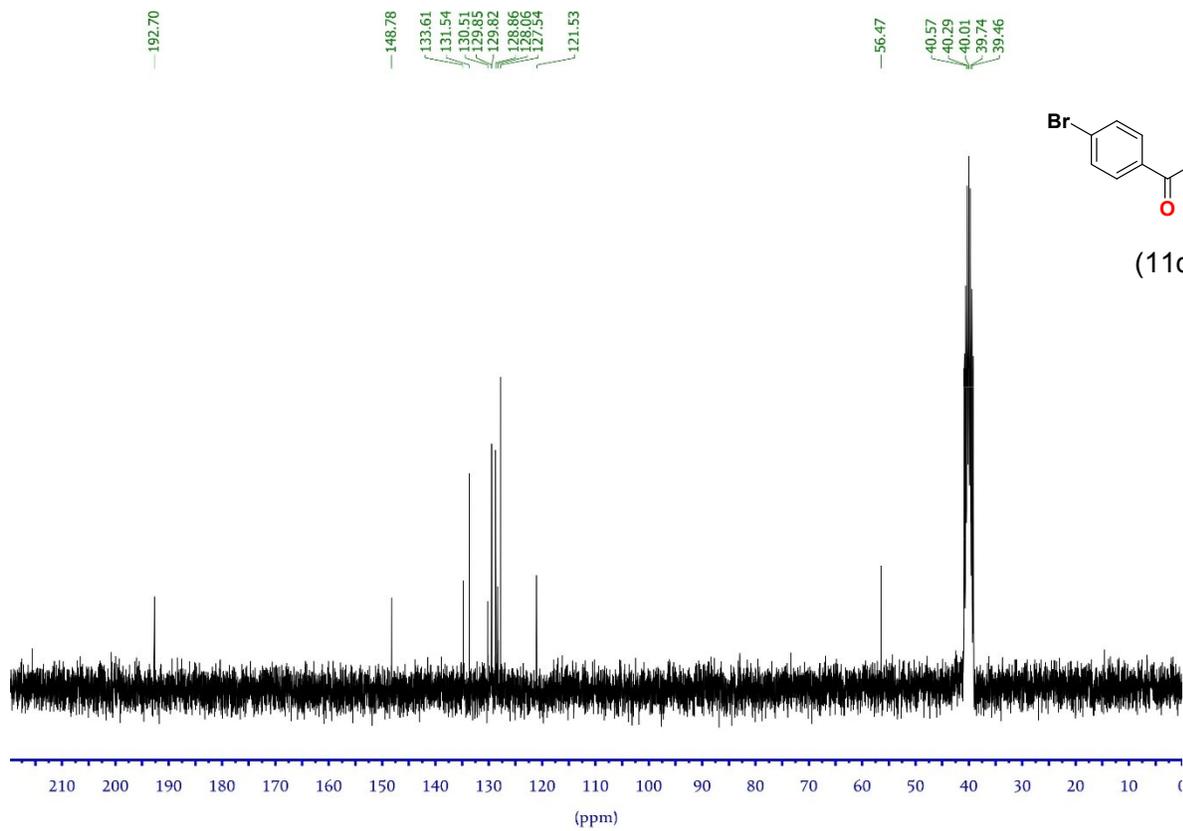
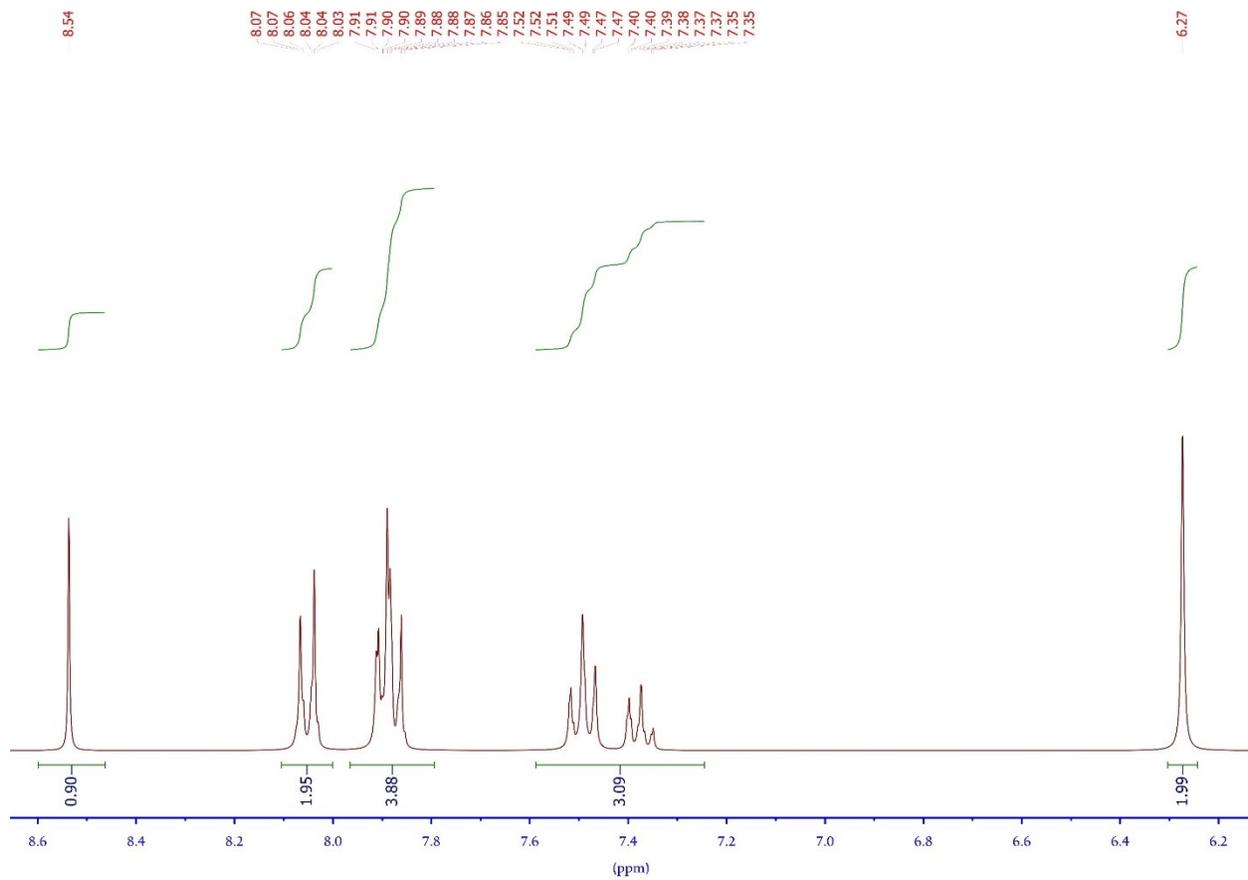


1-(4-bromophenyl)-2-(4-phenyl-1H-1,2,3-triazol-1-yl) ethanone (11c)

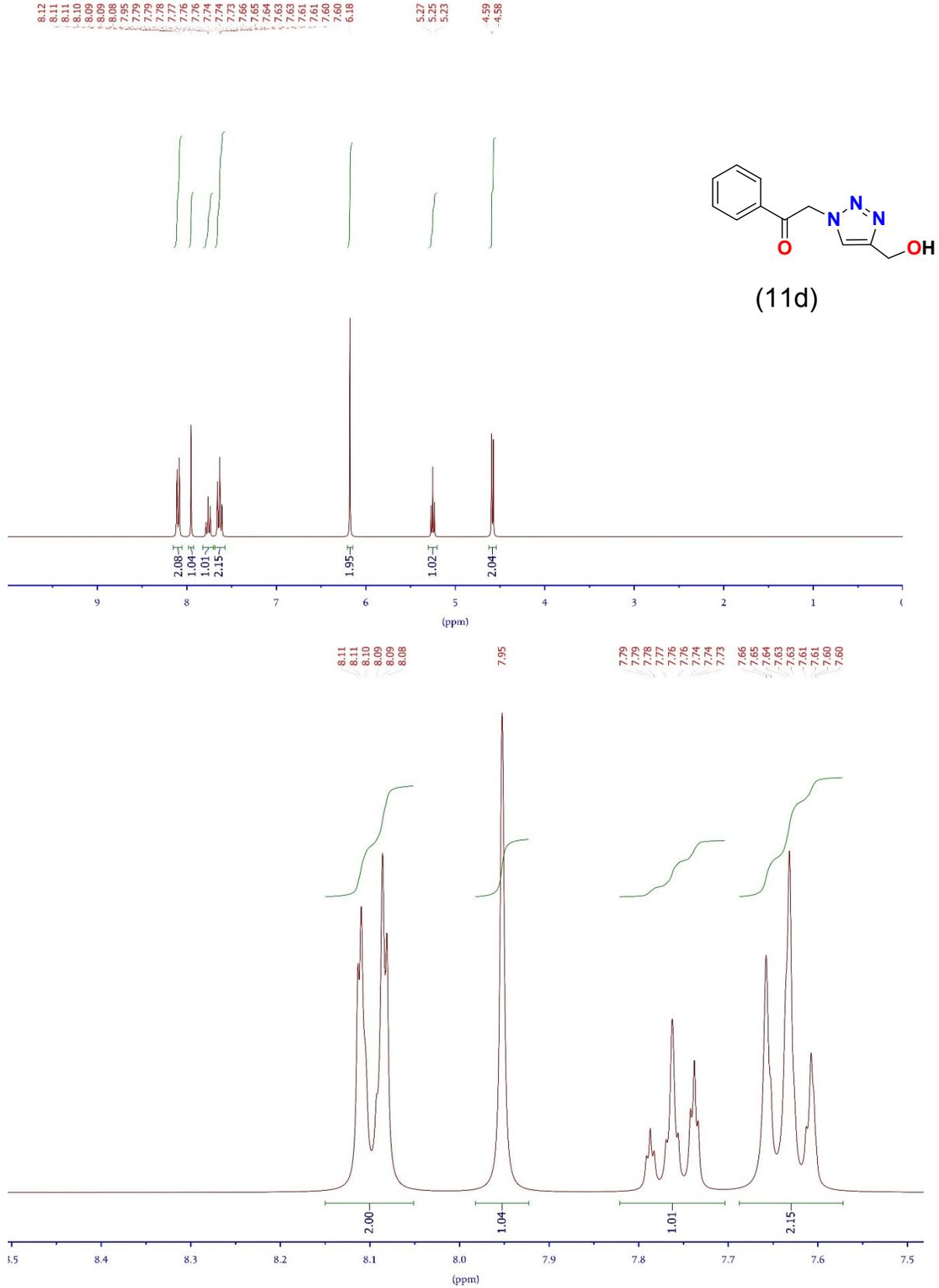


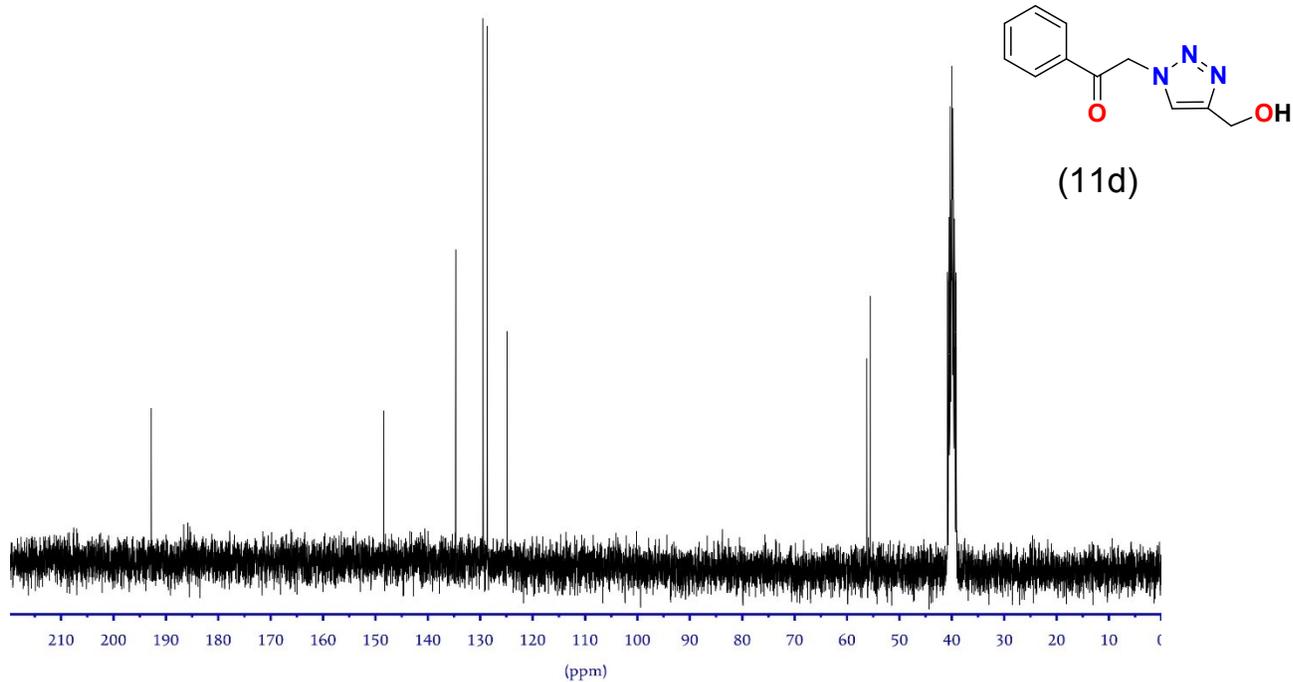
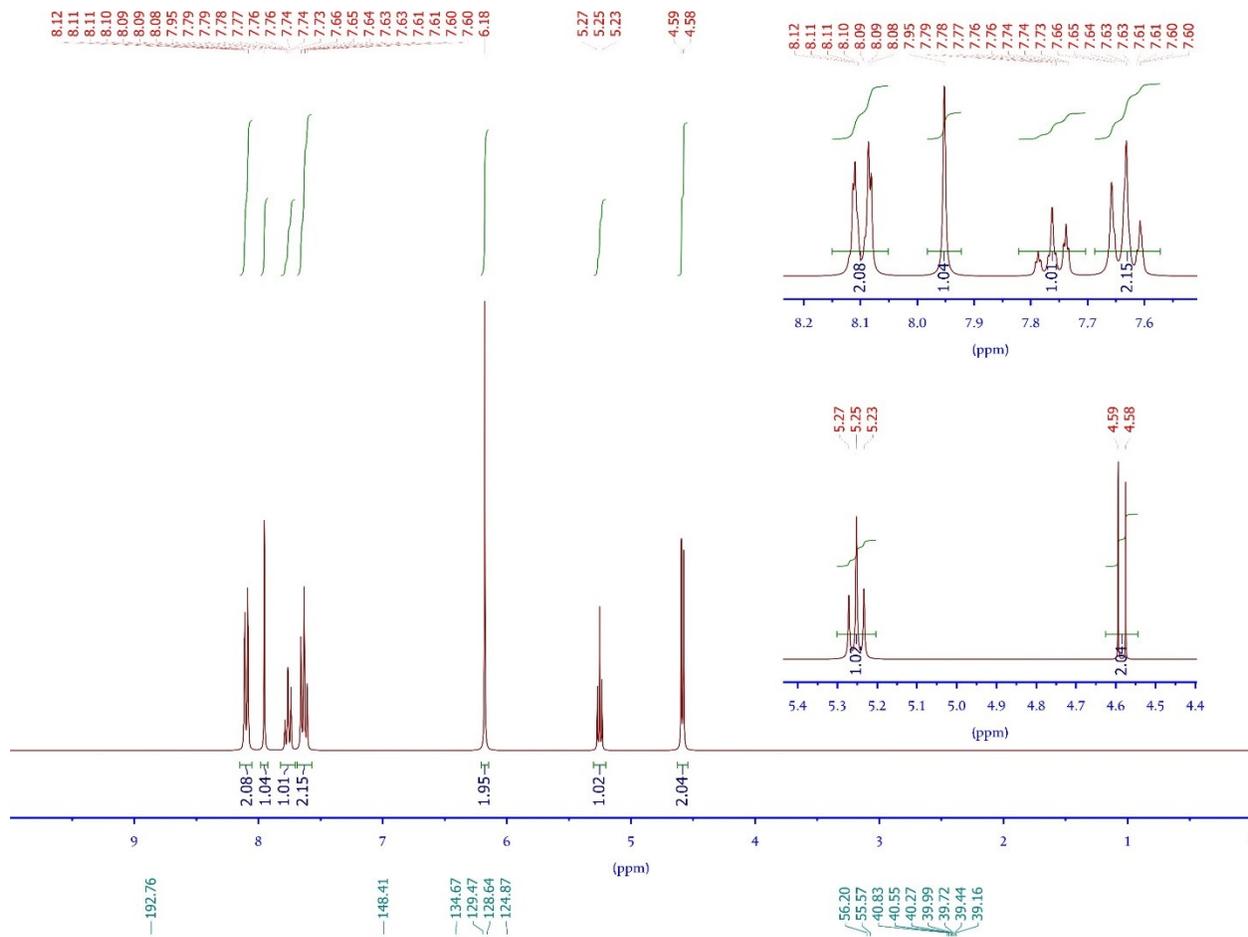
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8.06
8.06
8.04
8.04
8.03
7.91
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7.90
7.89
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7.88
7.87
7.86
7.85
7.85
7.52
7.52
7.51
7.49
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7.38
7.37
7.37
7.35
7.35
6.27



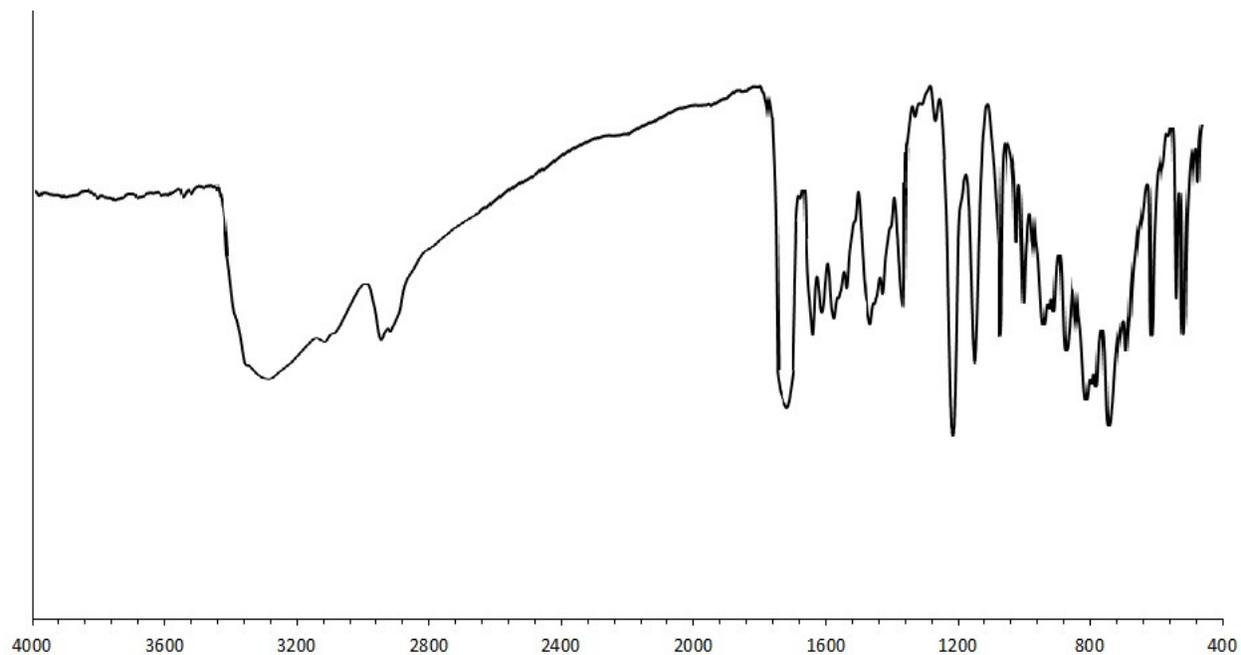


2-(4-(hydroxymethyl)-1H-1,2,3-triazol-1-yl)-1-phenylethanone (11d)

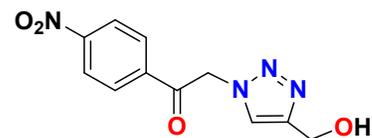
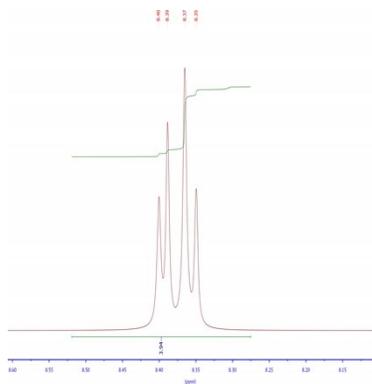




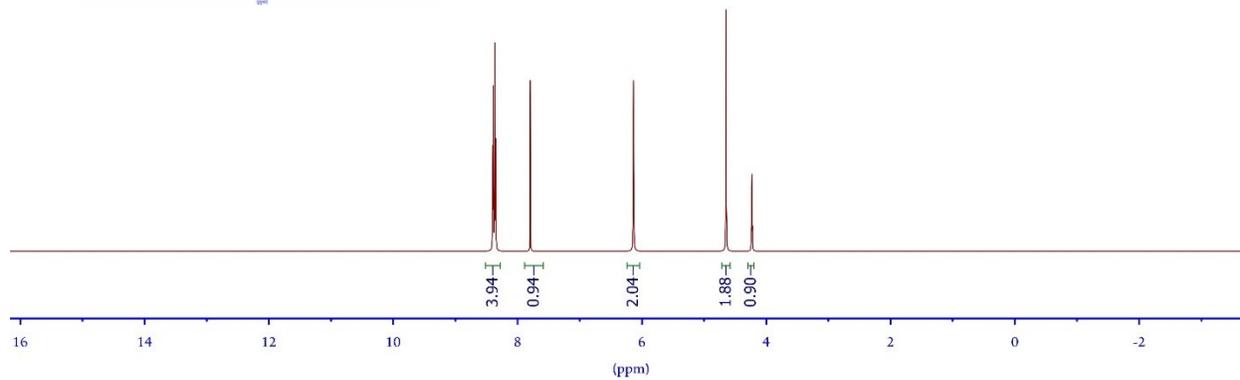
2- (4- (hydroxymethyl)- 1H- 1,2,3- triazol- 1- yl)- 1- (4-nitrophenyl) ethanone (11e)

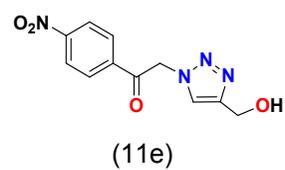
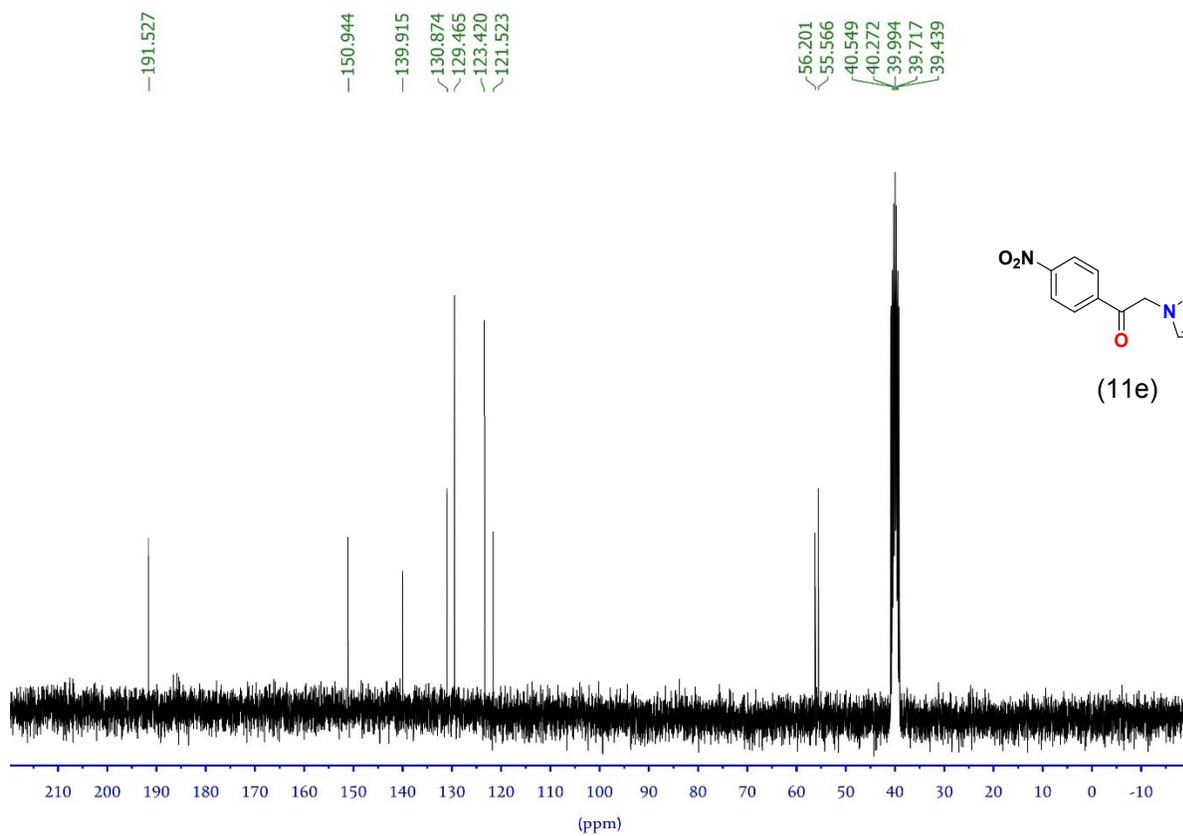
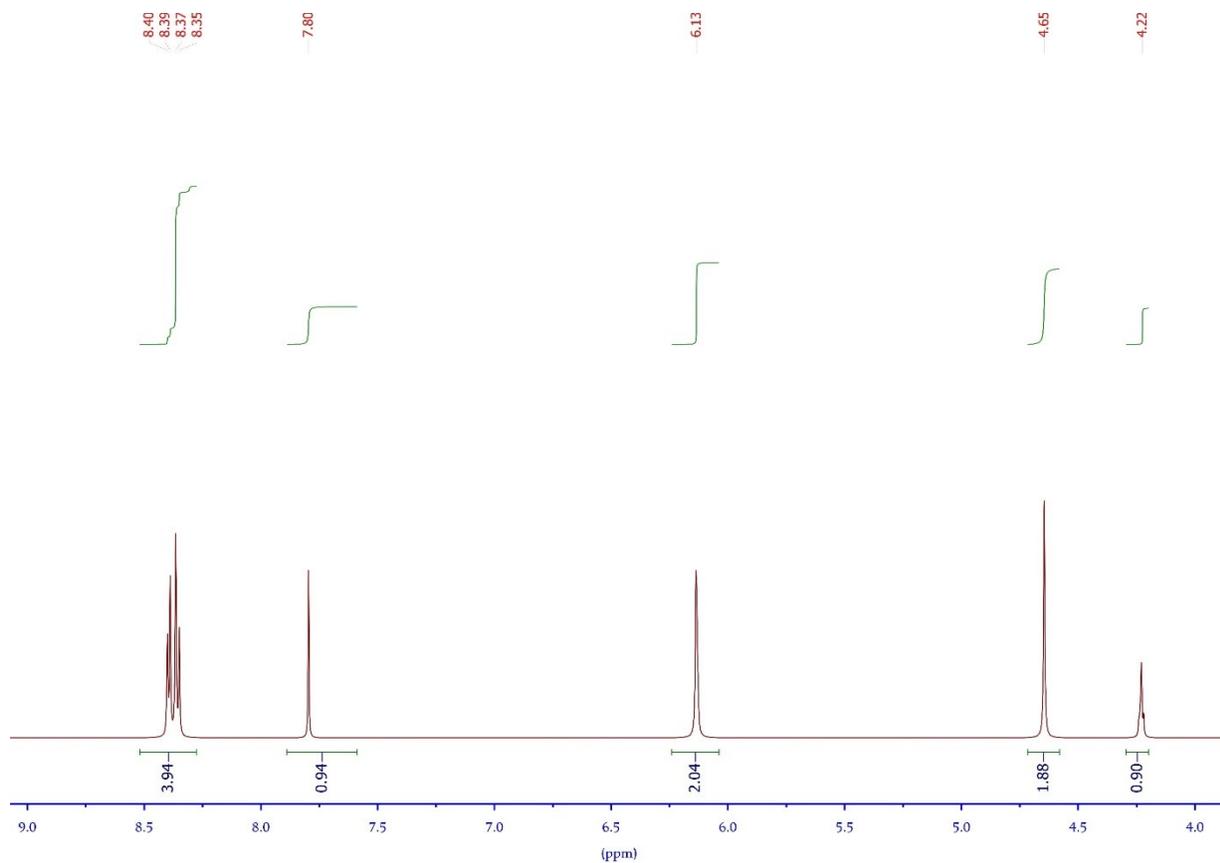


8.40
8.39
8.37
8.35
7.80
6.13
4.65
4.22

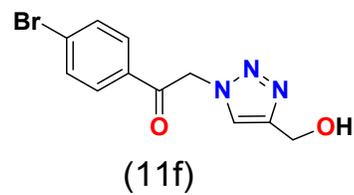
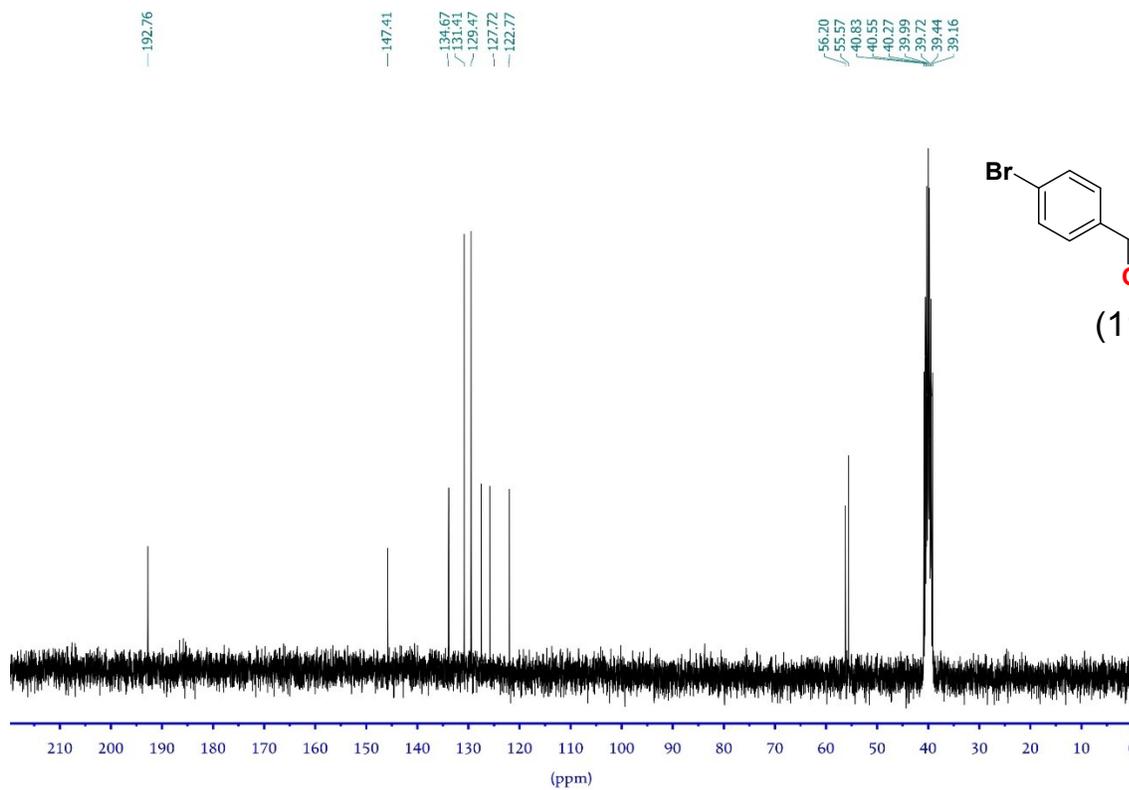
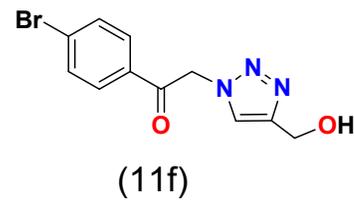
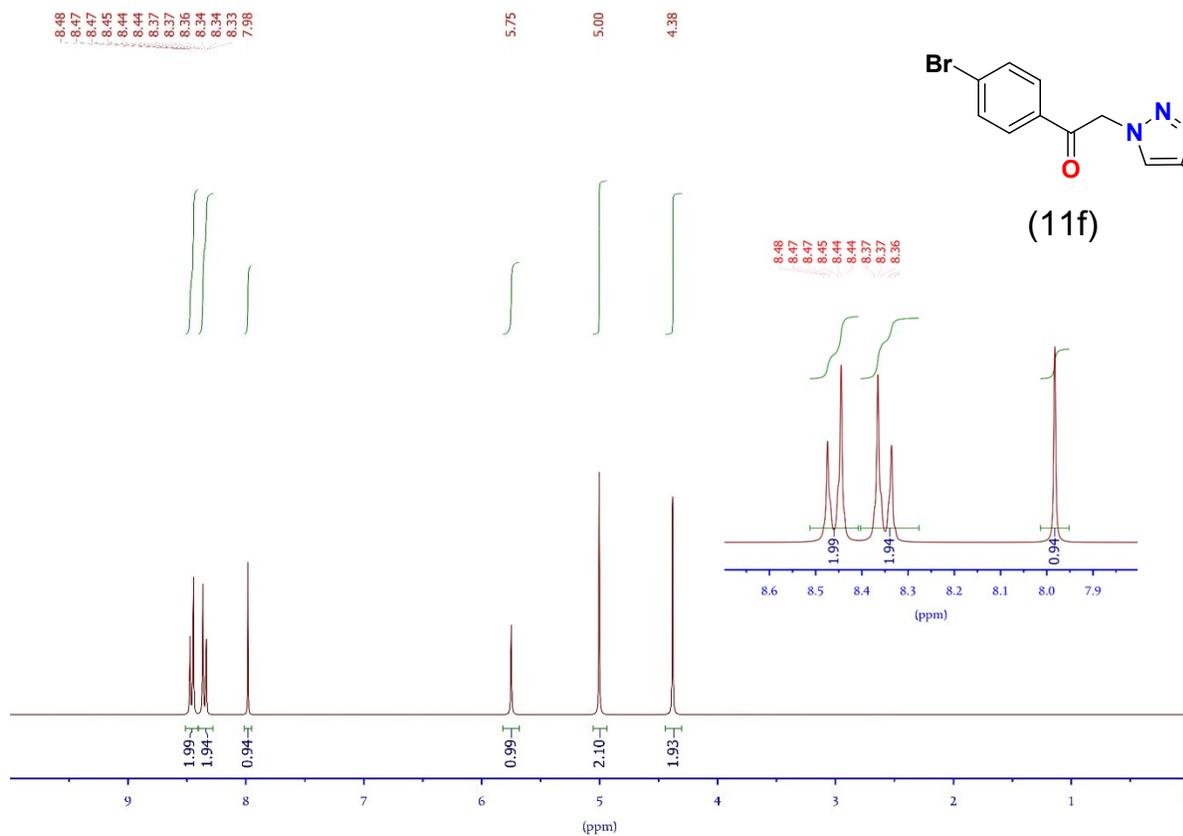


(11e)

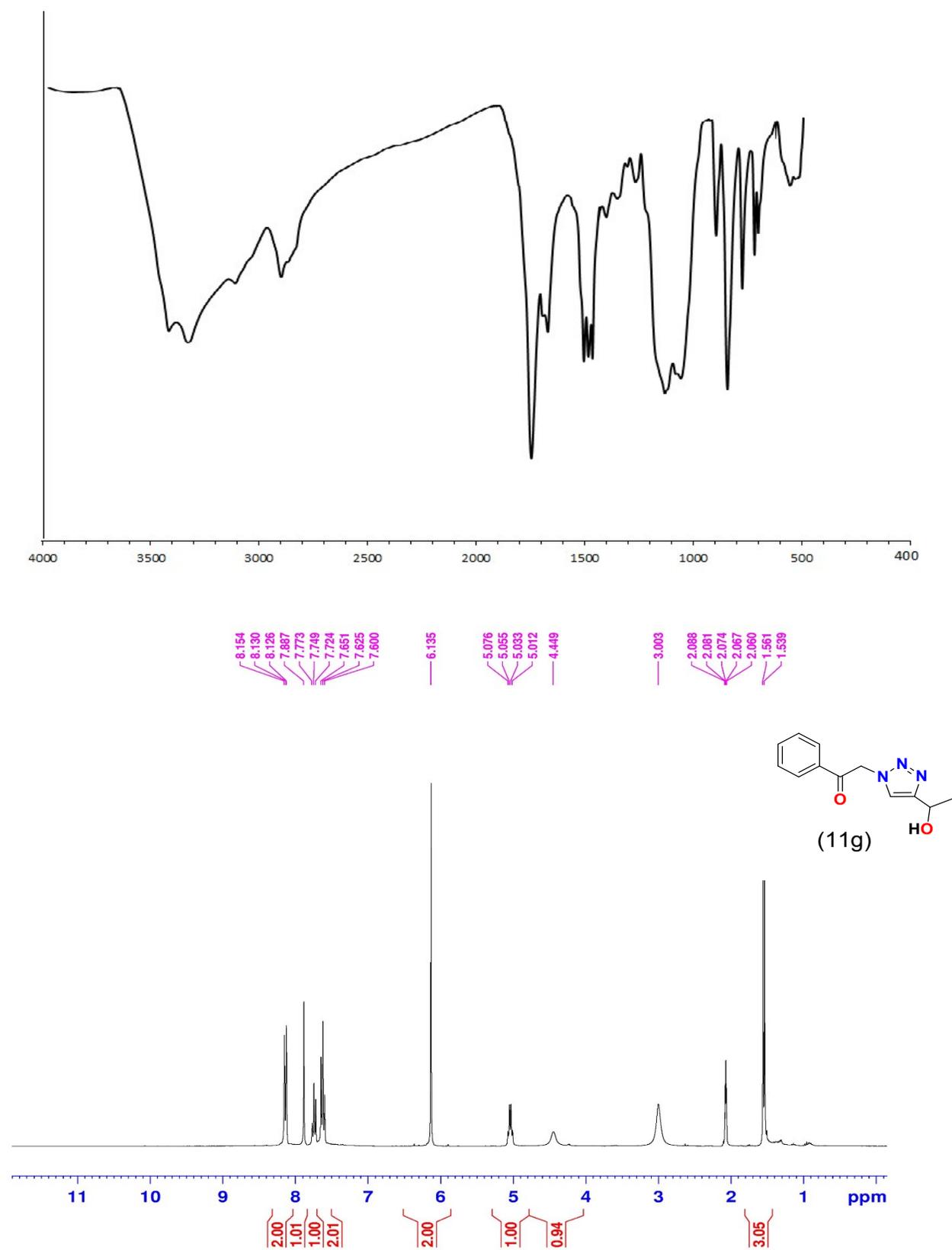


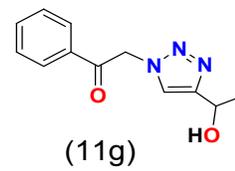
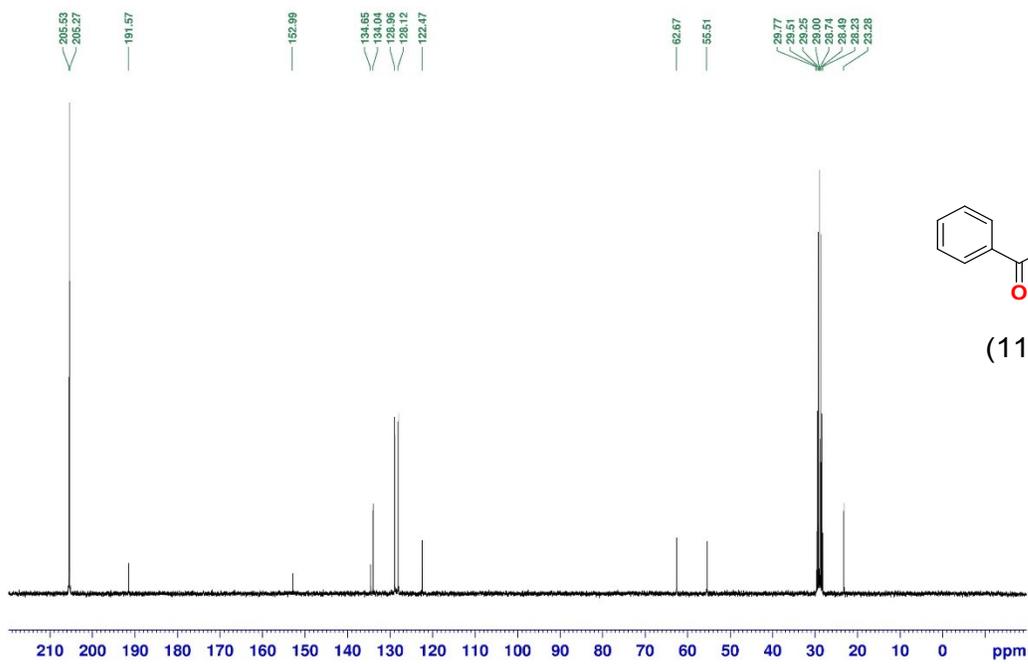
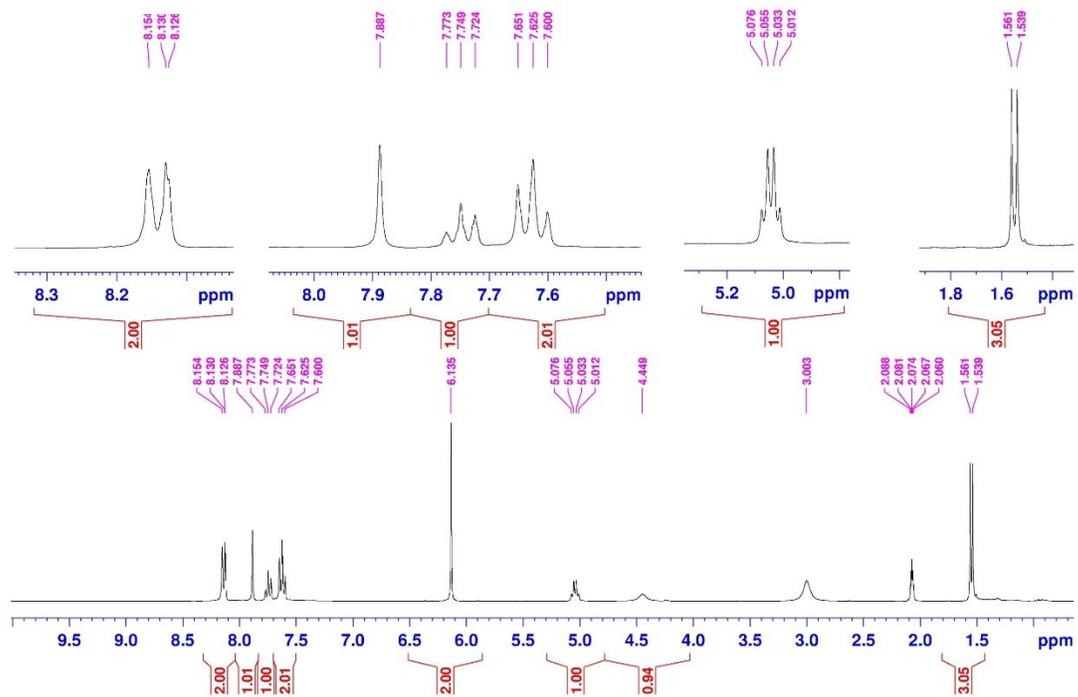


1-(4-bromophenyl)-2-(4-(hydroxymethyl)-1H-1,2,3-triazol-1-yl) ethanone (11f)

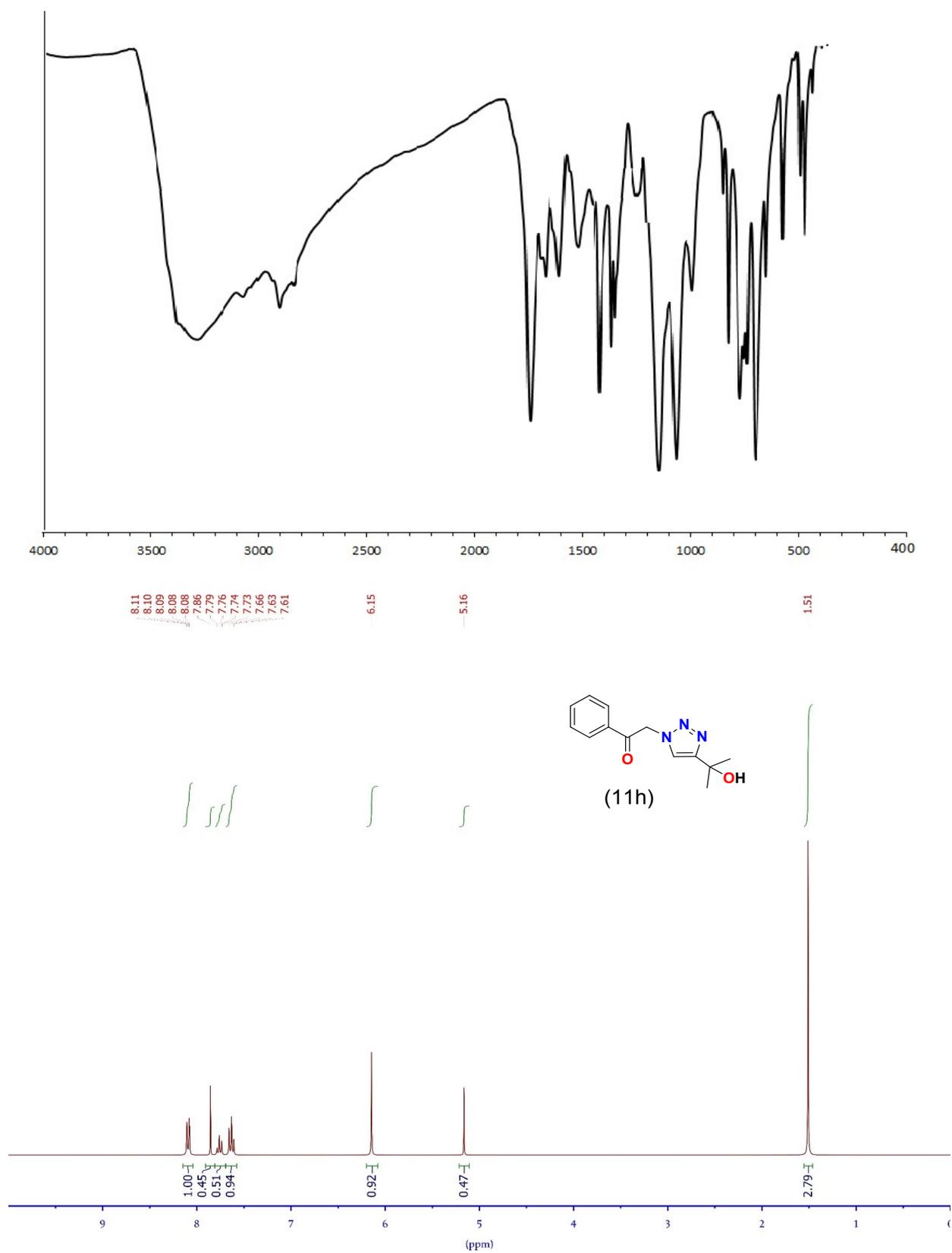


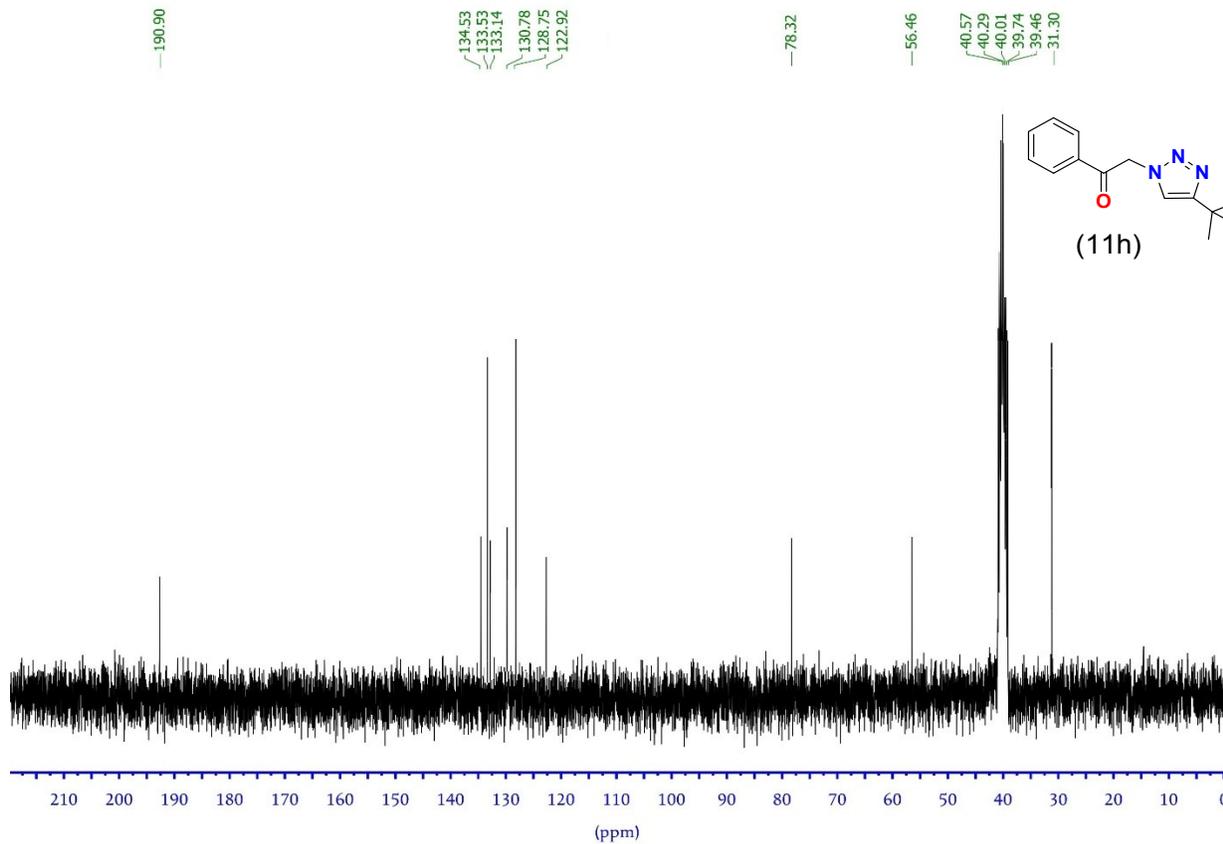
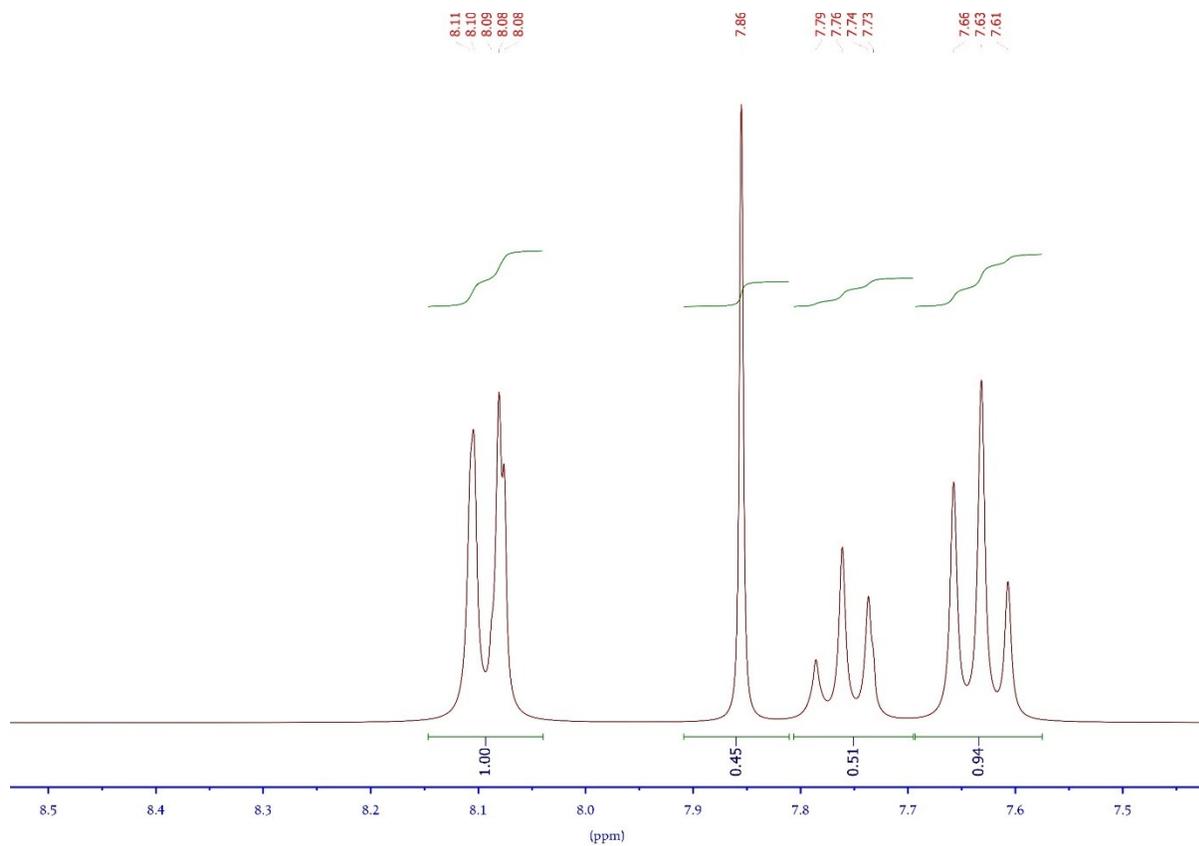
2- (4- (1- hydroxyethyl)- 1H- 1,2,3- triazol- 1- yl)- 1-phenylethanone (11g)



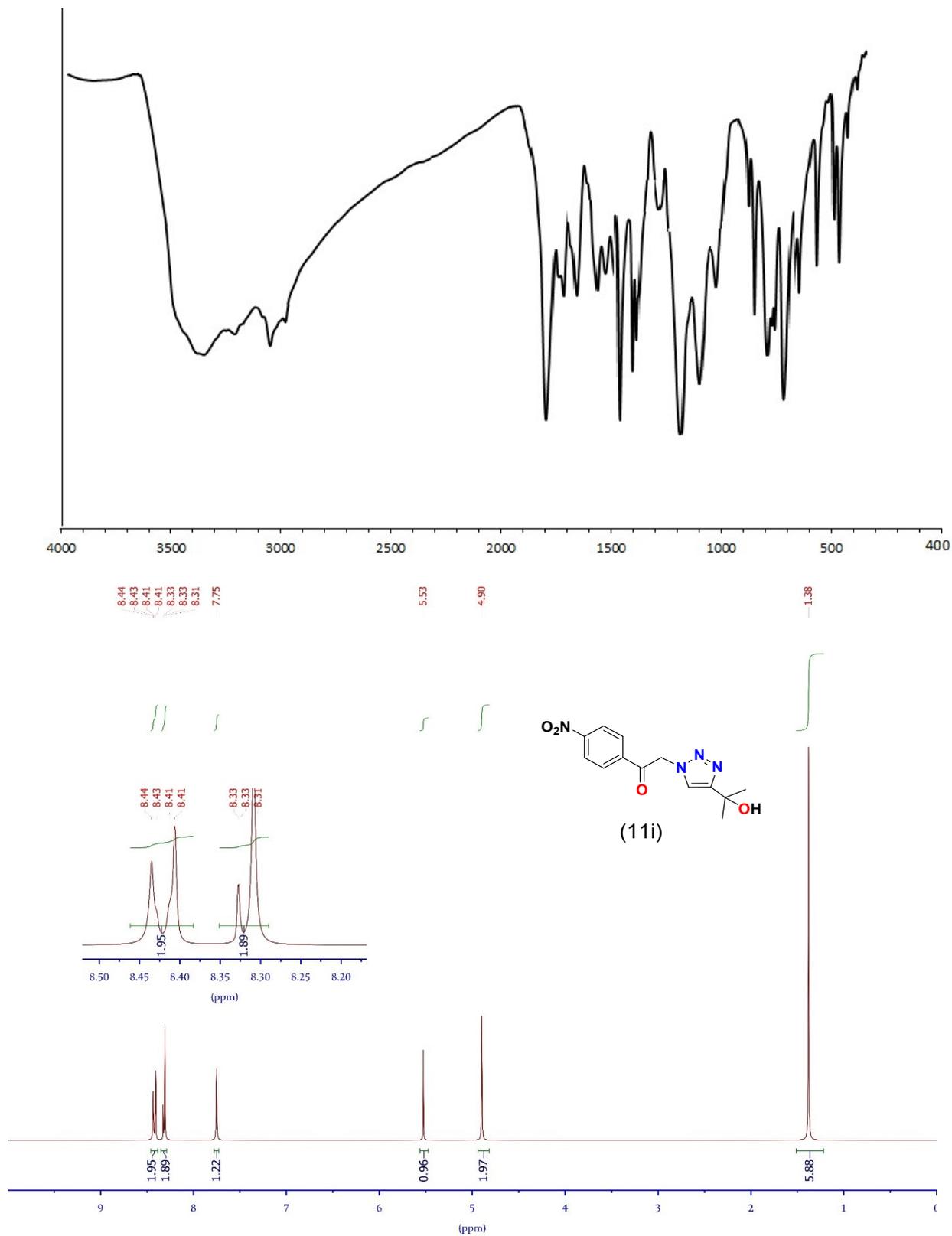


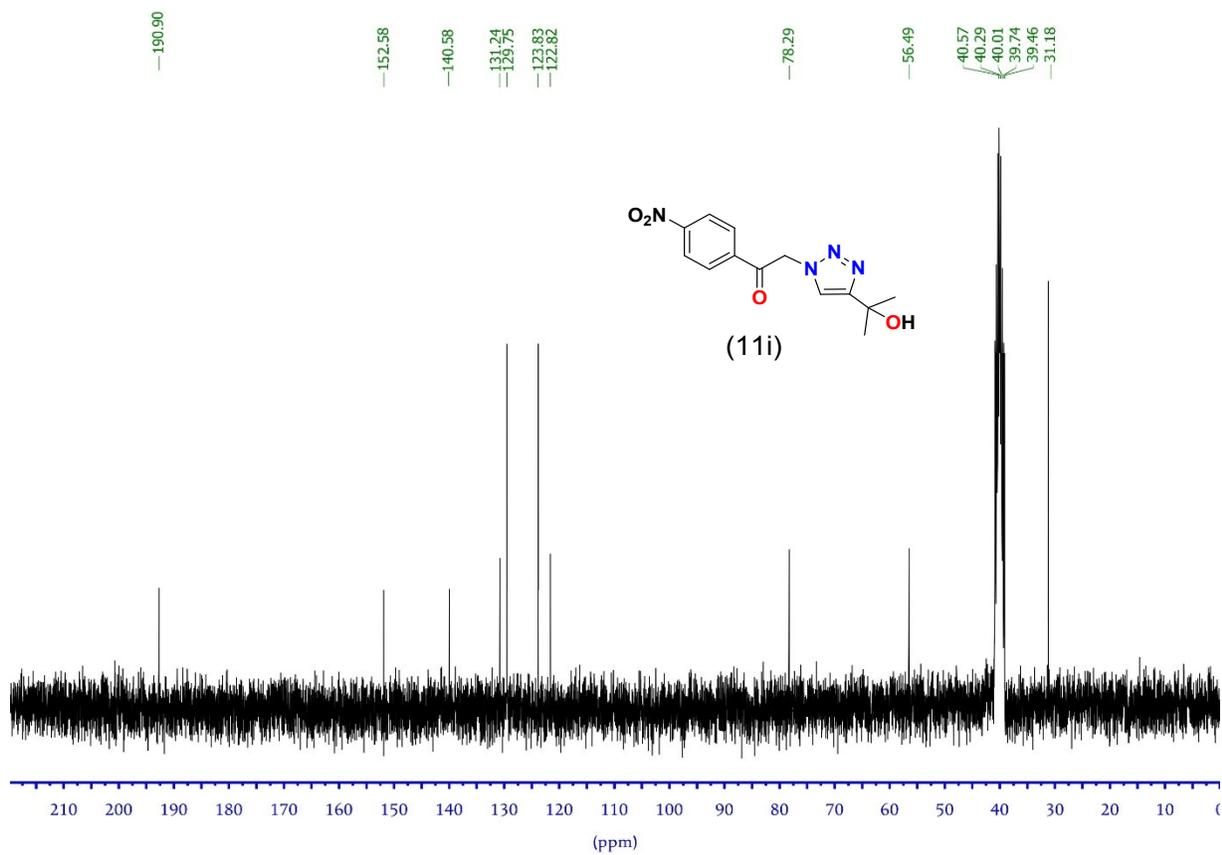
2-(4-(2-hydroxypropan-2-yl)-1H-1,2,3-triazol-1-yl)-1-phenylethanone (11h)





2-(4-(2-hydroxypropan-2-yl)-1H-1,2,3-triazol-1-yl)-1-(4-nitrophenyl) ethanone (11i)





1-(4-bromophenyl)-2-(4-(2-hydroxypropan-2-yl)-1H-1,2,3-triazol-1-yl) ethanone (11j)

