

**Supplemental Material**

# **Synthesis and Evaluation of Trypanocidal Activity of Chromane-type Compounds and Acetophenones**

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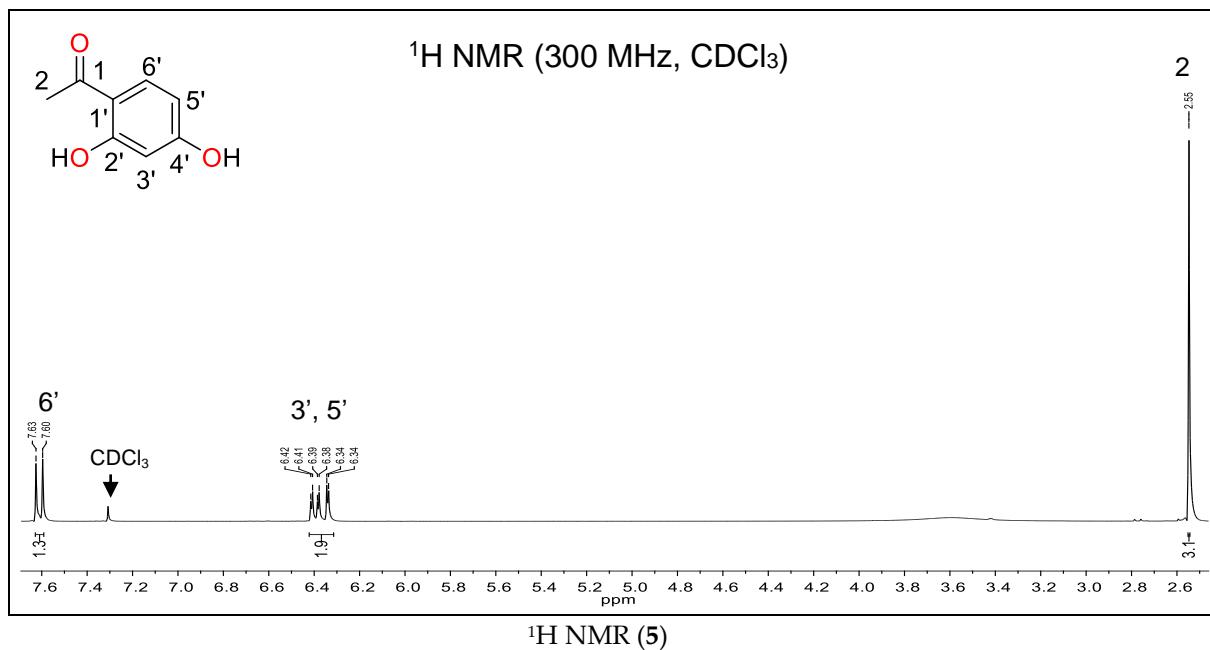
1. Grupo de Química Orgánica de Productos Naturales, QOPN, Instituto de Química, Facultad de Ciencias Exactas y Naturales, Universidad de Antioquia, Calle 70 No. 52–21, Medellín A. A 1226, Colombia.

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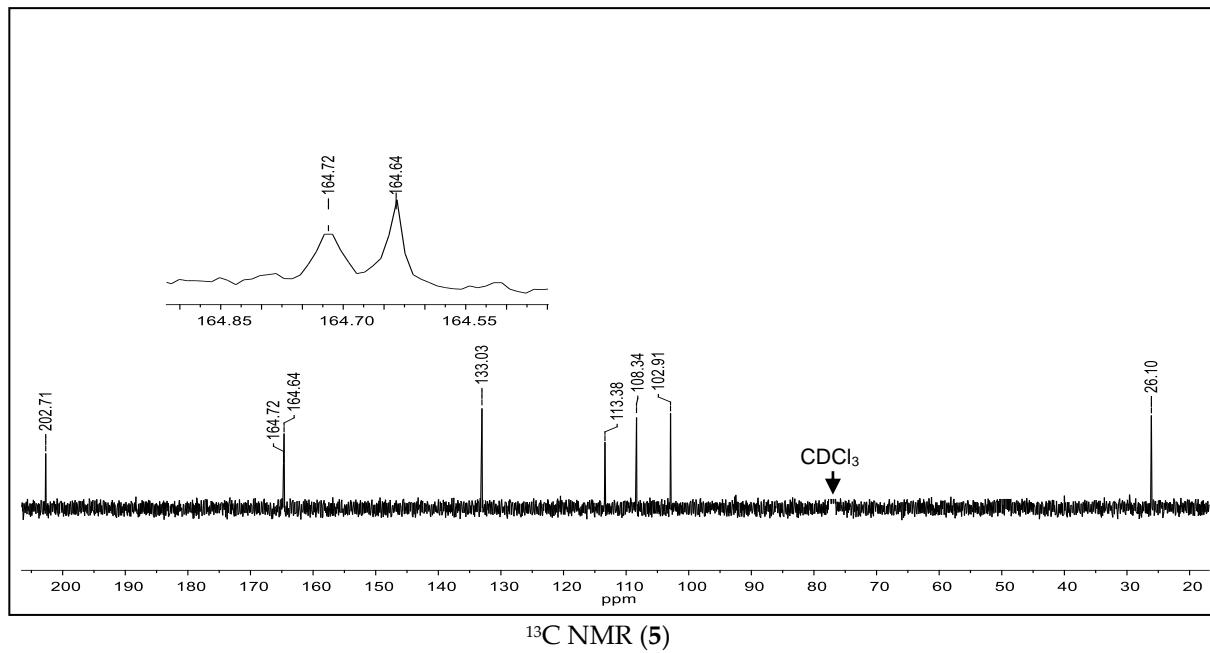
\*Correspondence: Wiston Quiñones, Grupo de Química Orgánica de Productos Naturales, QOPN, Instituto de Química, Facultad de Ciencias Exactas y Naturales, Universidad de Antioquia, Calle 70 No. 52–21, Medellín A. A 1226, Colombia

Email: [wiston.quinones@udea.edu.co](mailto:wiston.quinones@udea.edu.co)

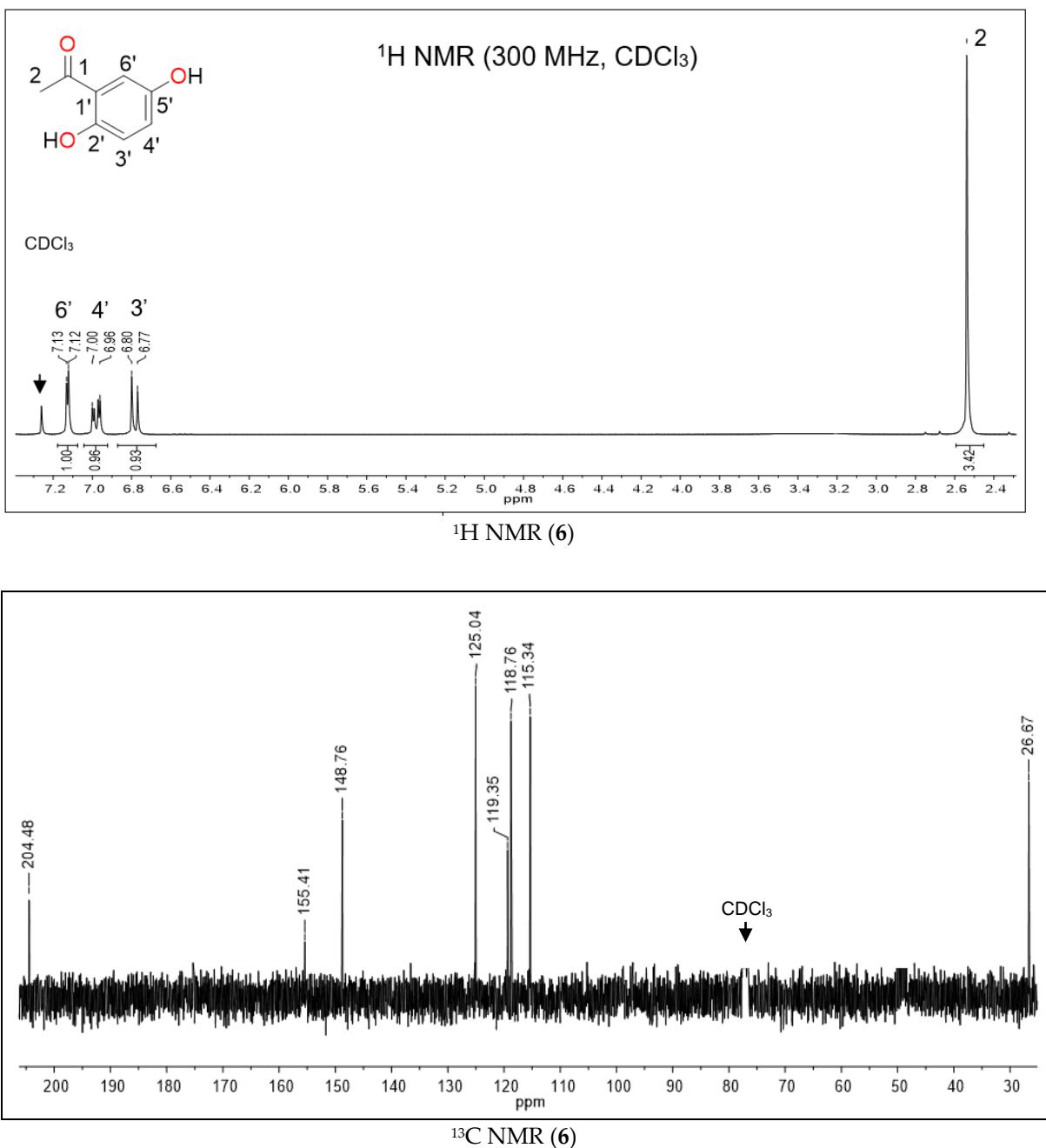
1-(2,4-Dihydroxyphenyl)ethan-1-one (**5**)



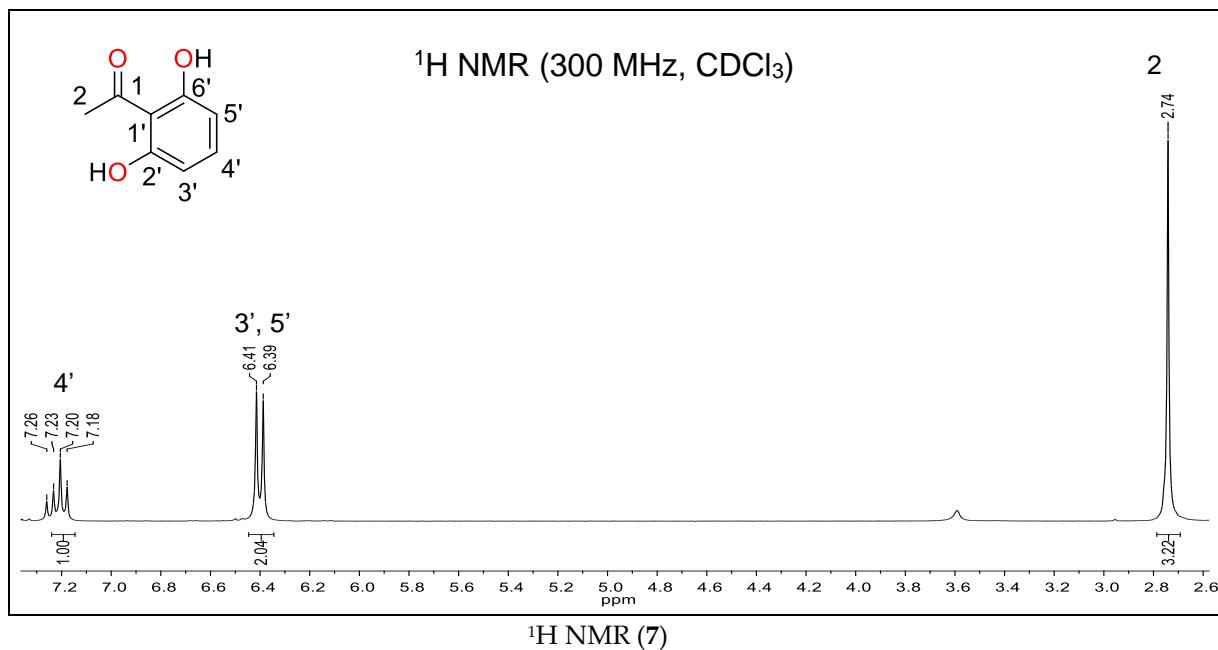
<sup>1</sup>H NMR (**5**)



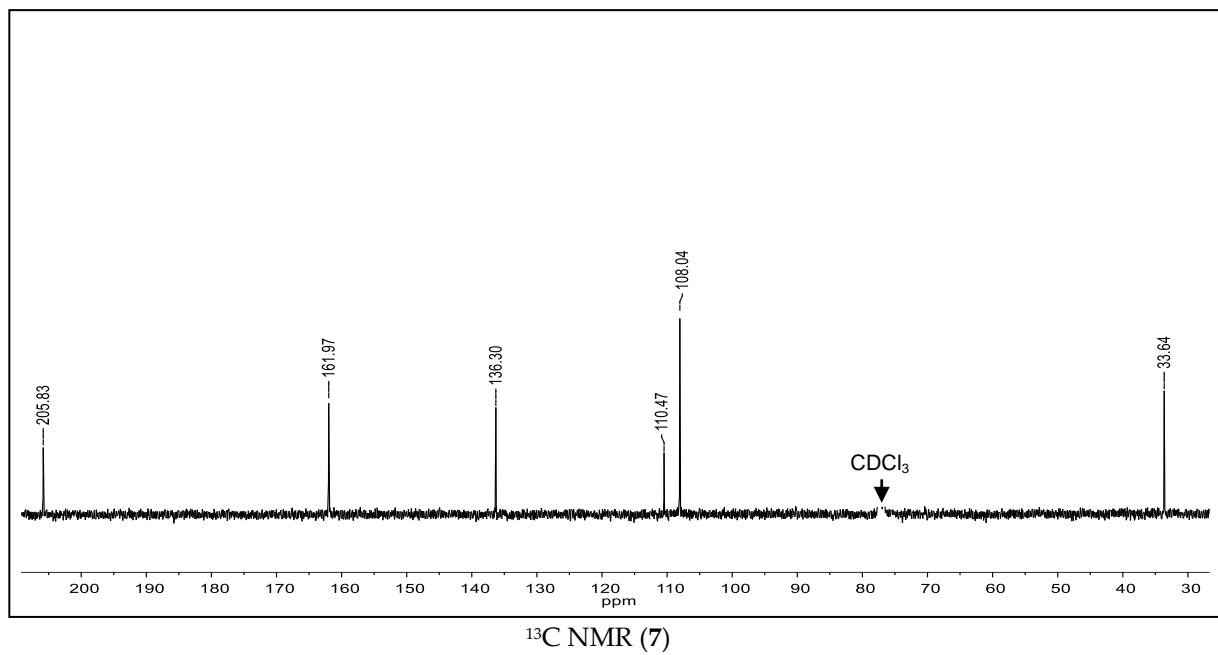
1-(2,5-Dihydroxyphenyl)ethan-1-one (**6**)



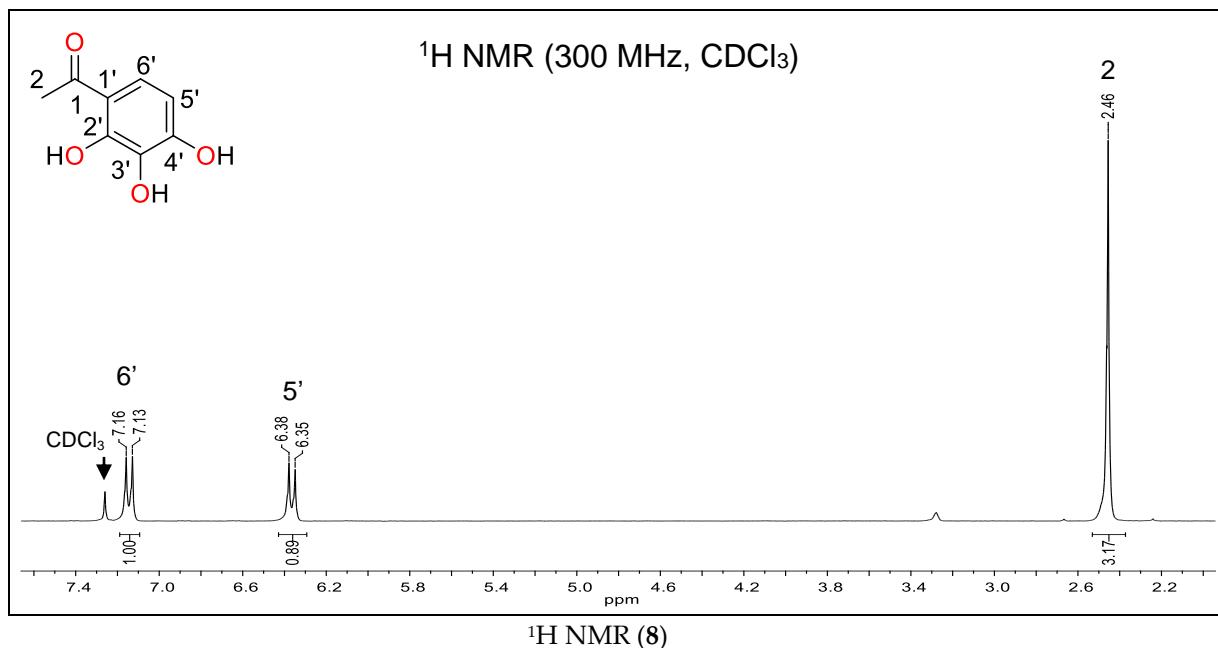
1-(2,6-Dihydroxyphenyl)ethan-1-one (7)



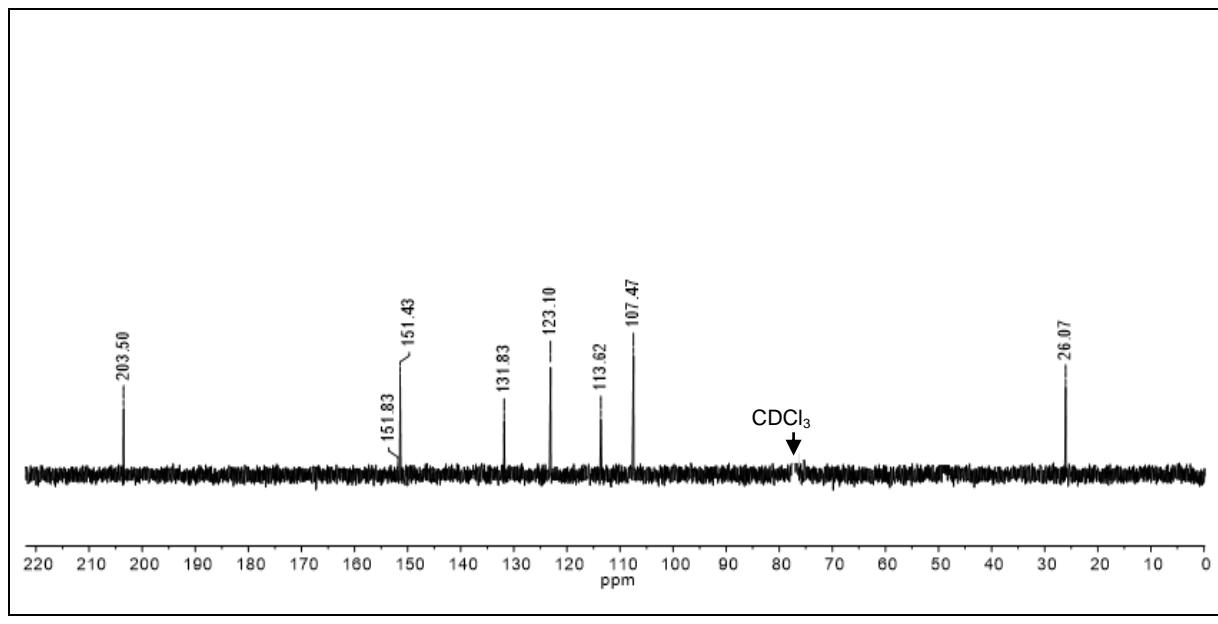
<sup>1</sup>H NMR (7)



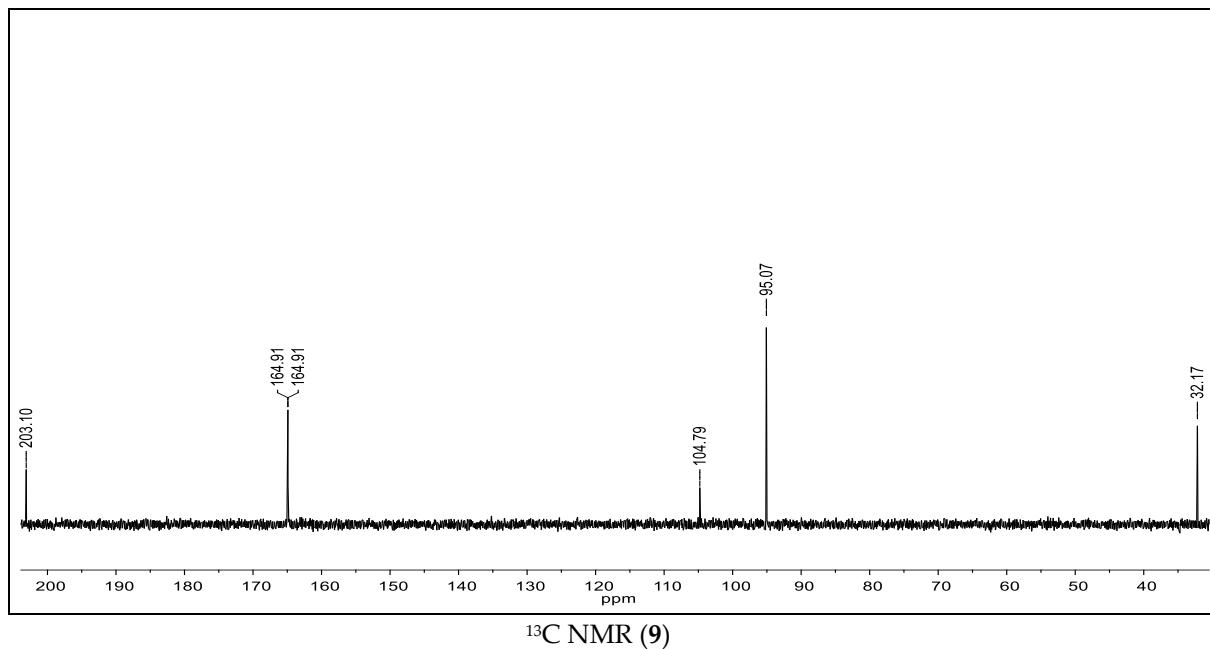
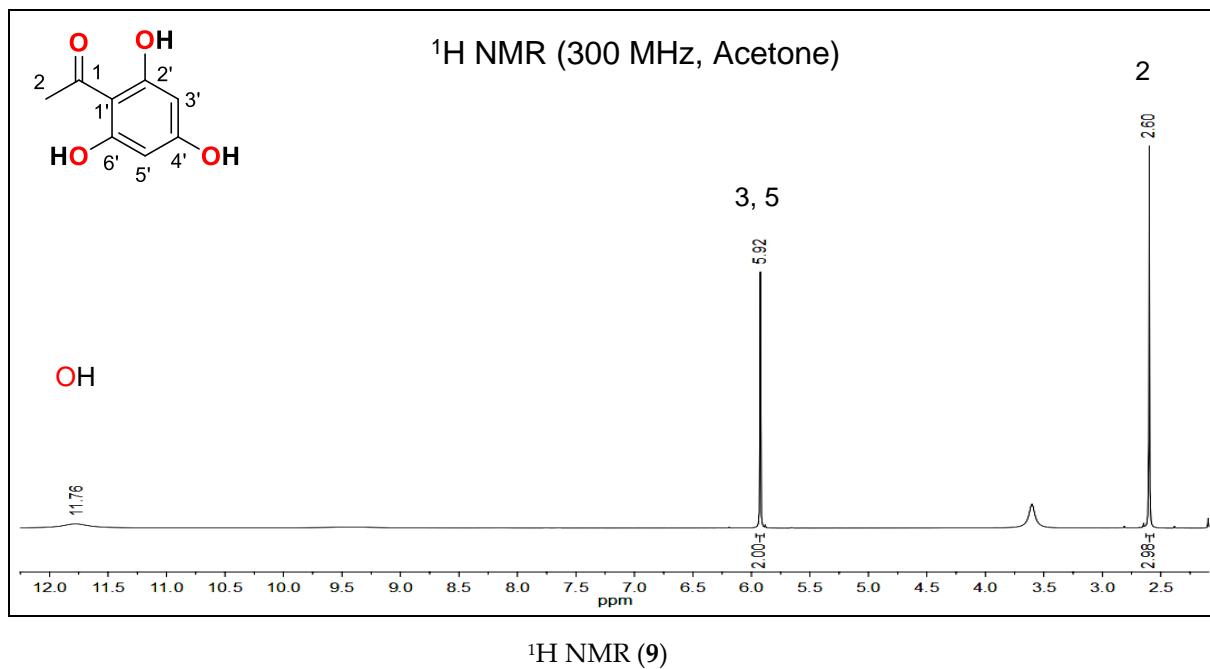
1-(2,3,4-Trihydroxyphenyl)ethan-1-one (**8**)



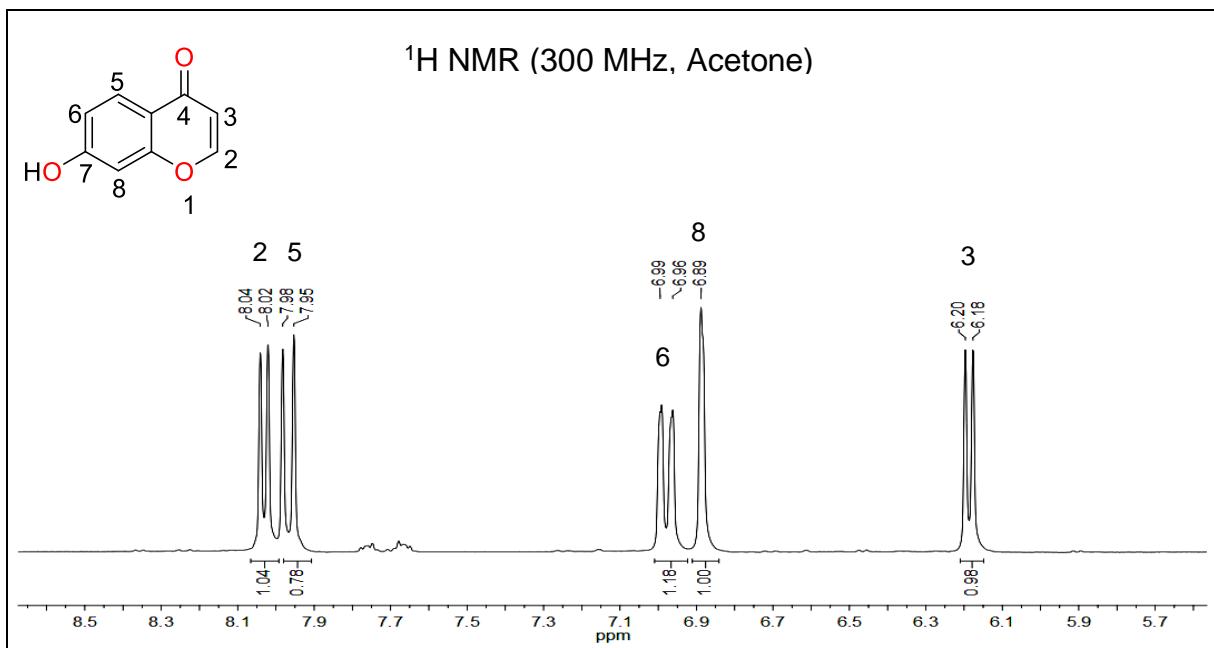
<sup>1</sup>H NMR (**8**)



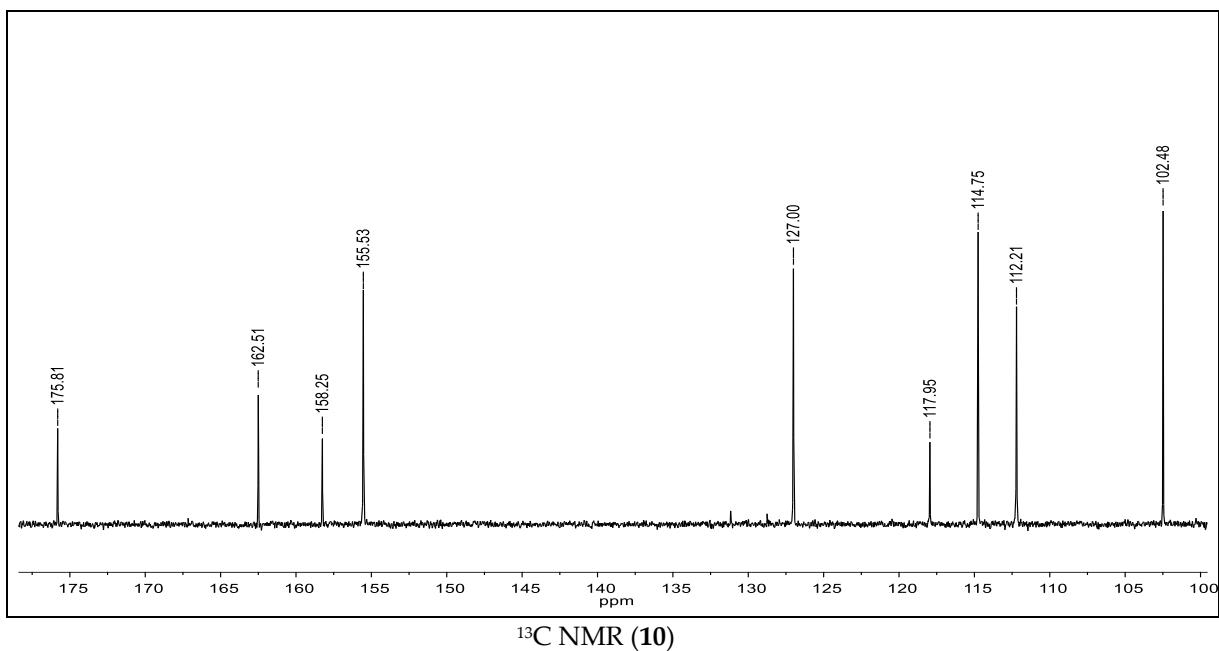
1-(2,4,6-Trihydroxyphenyl)ethan-1-one (**9**)



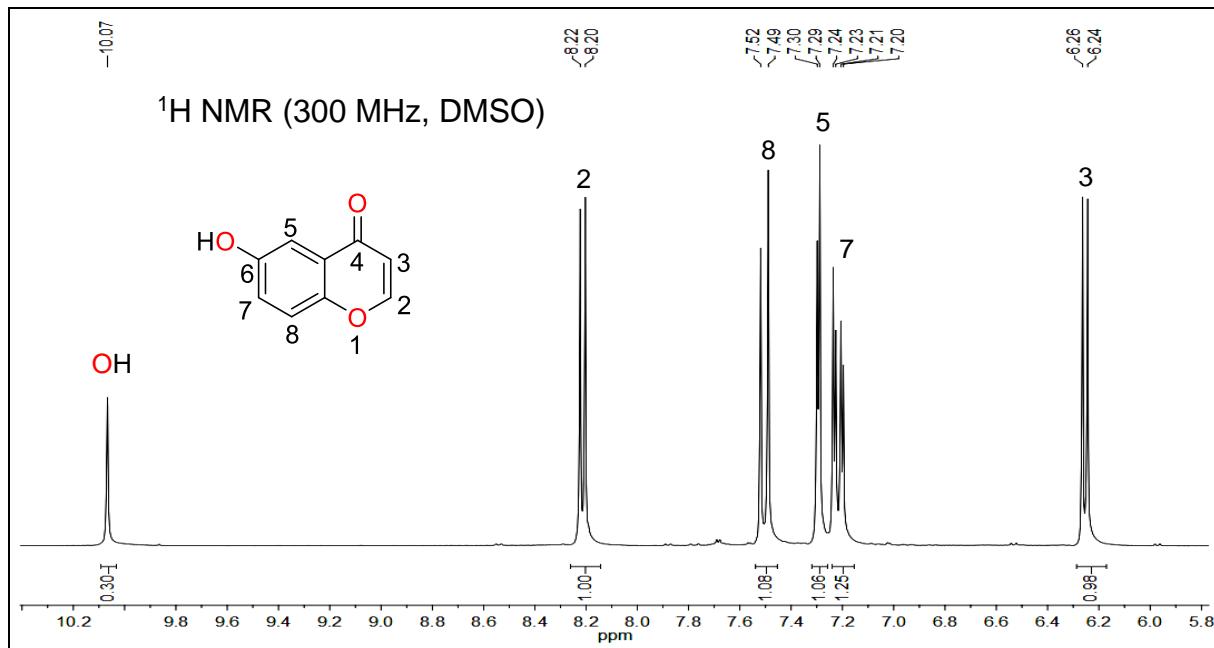
7-Hydroxy-4H-chromen-4-one (**10**)



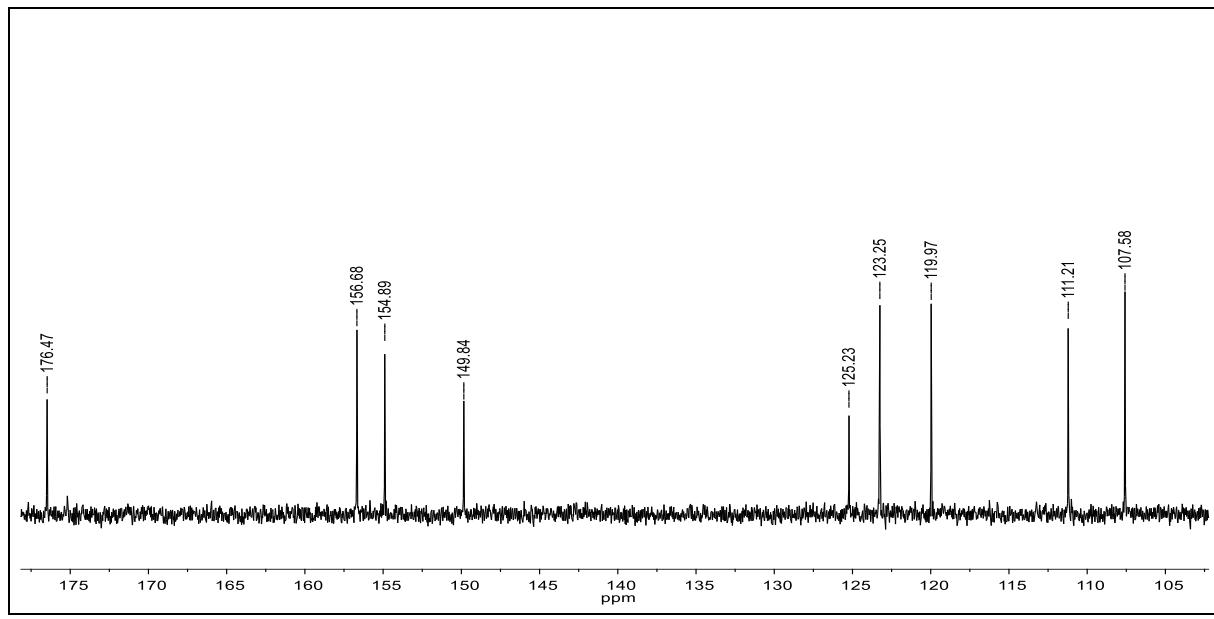
<sup>1</sup>H NMR (**10**)



6-Hydroxy-4H-chromen-4-one (**11**)

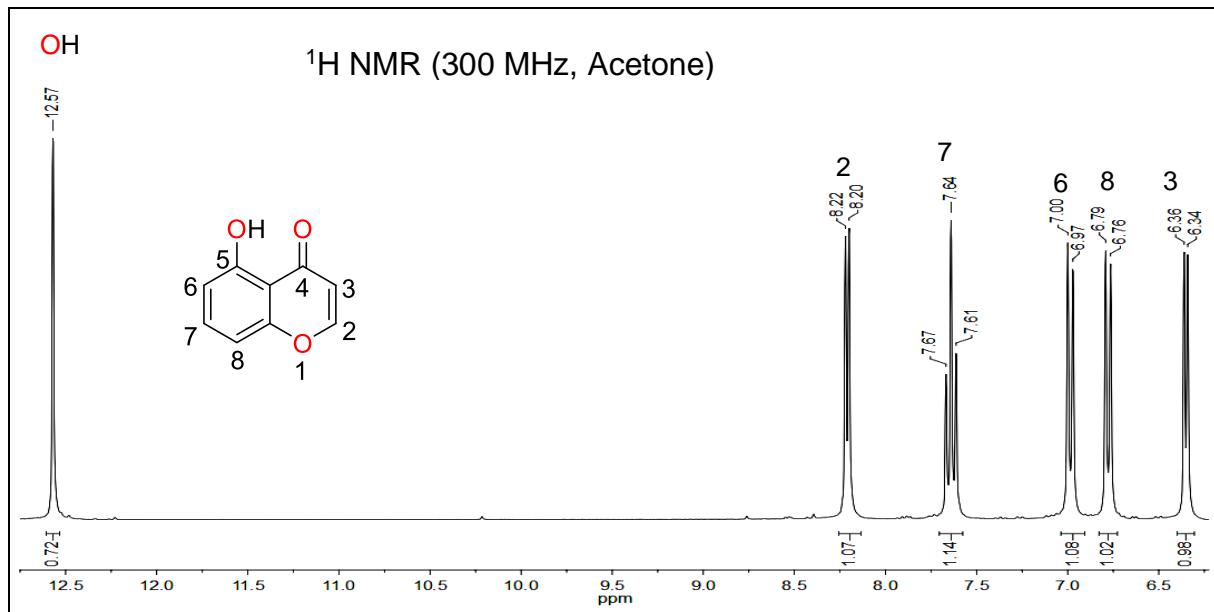


<sup>1</sup>H NMR (**11**)

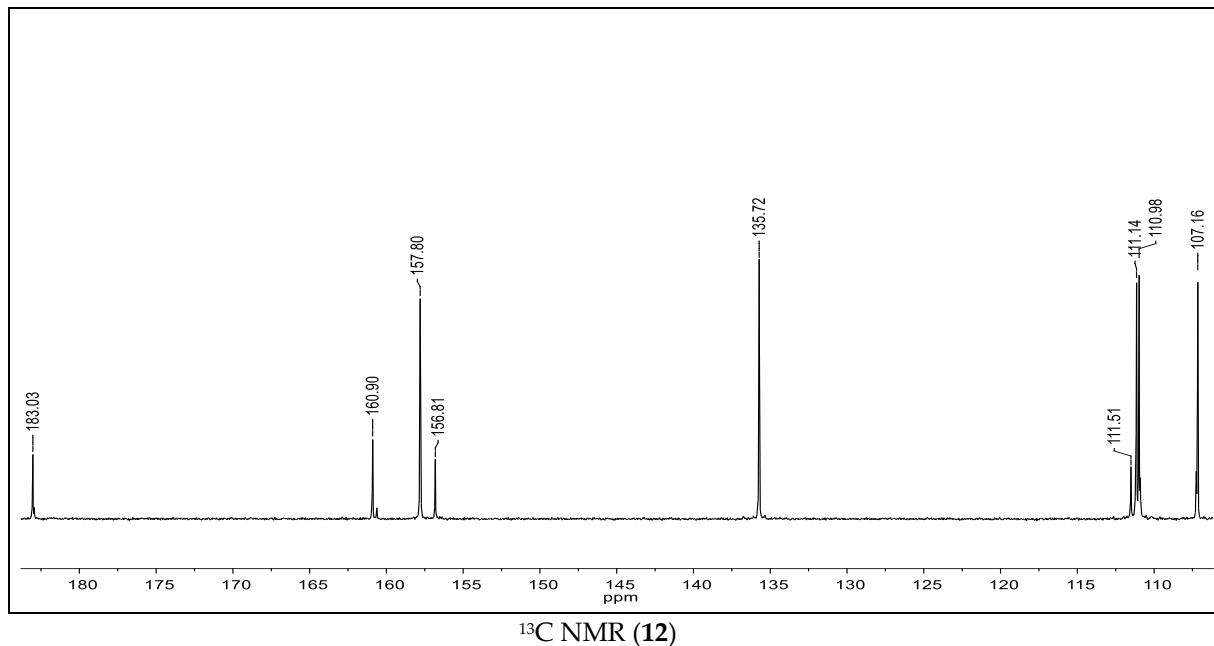


<sup>13</sup>C NMR (**11**)

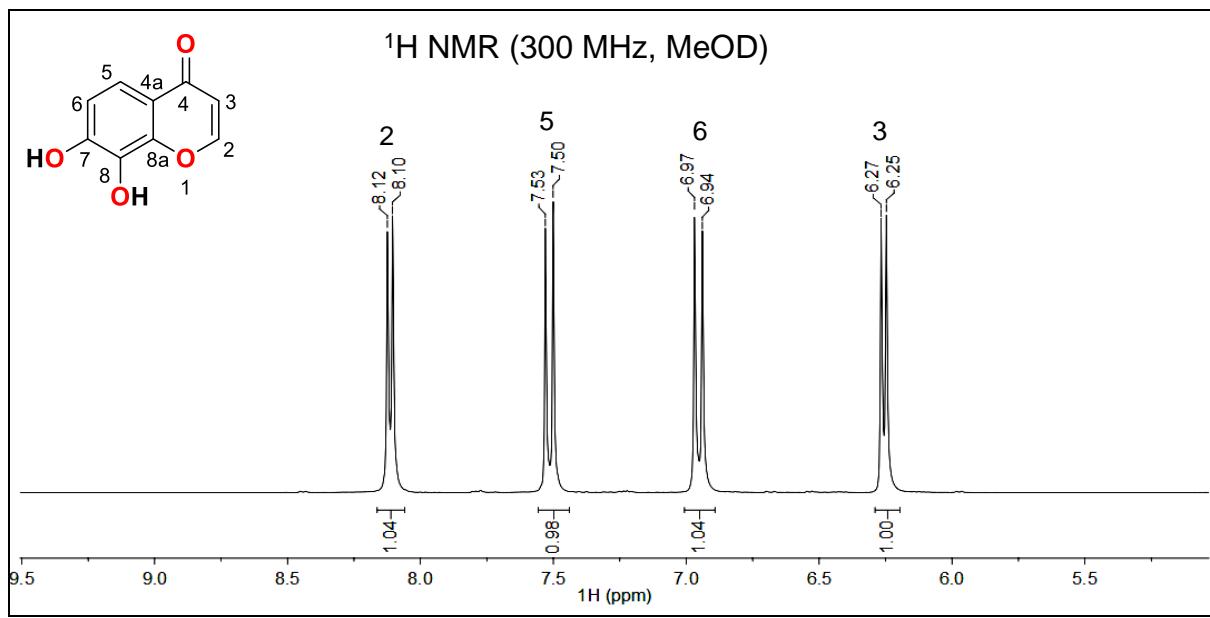
5-Hydroxy-4H-chromen-4-one (**12**)



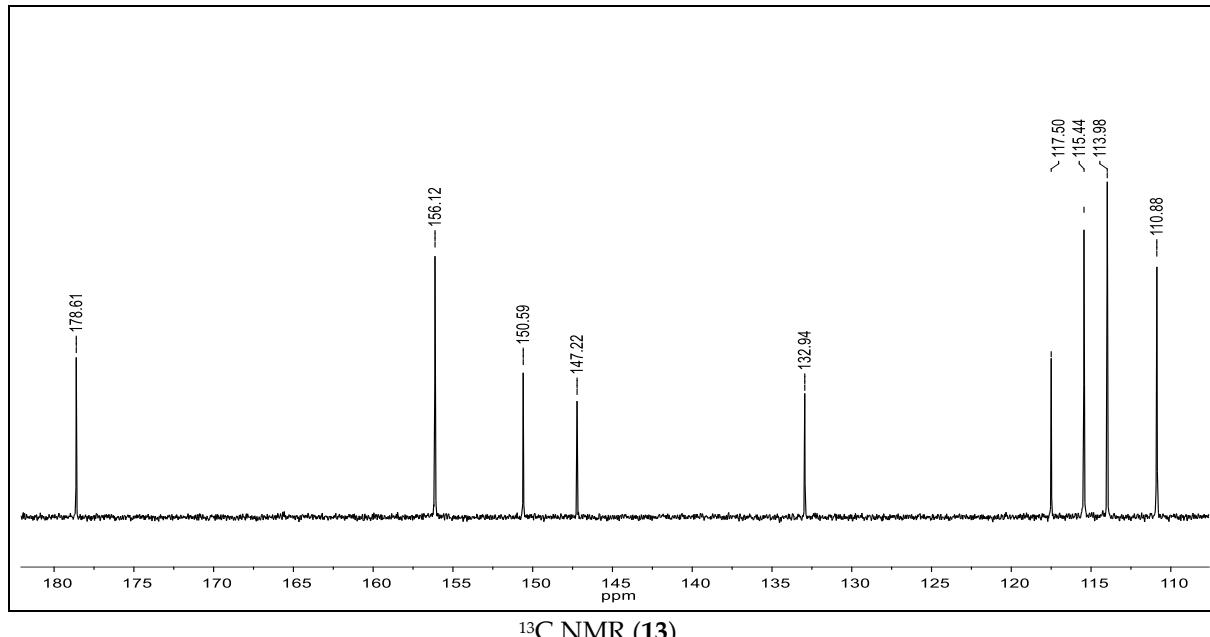
<sup>1</sup>H NMR (**12**)



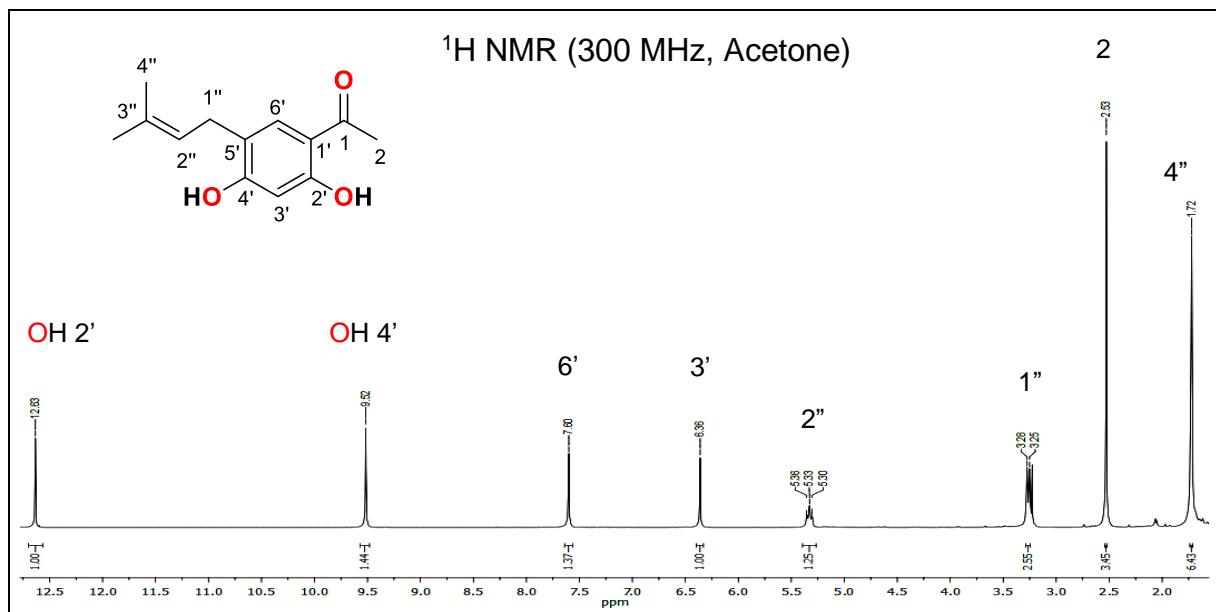
7,8-Dihydroxy-4H-chromen-4-one (**13**)



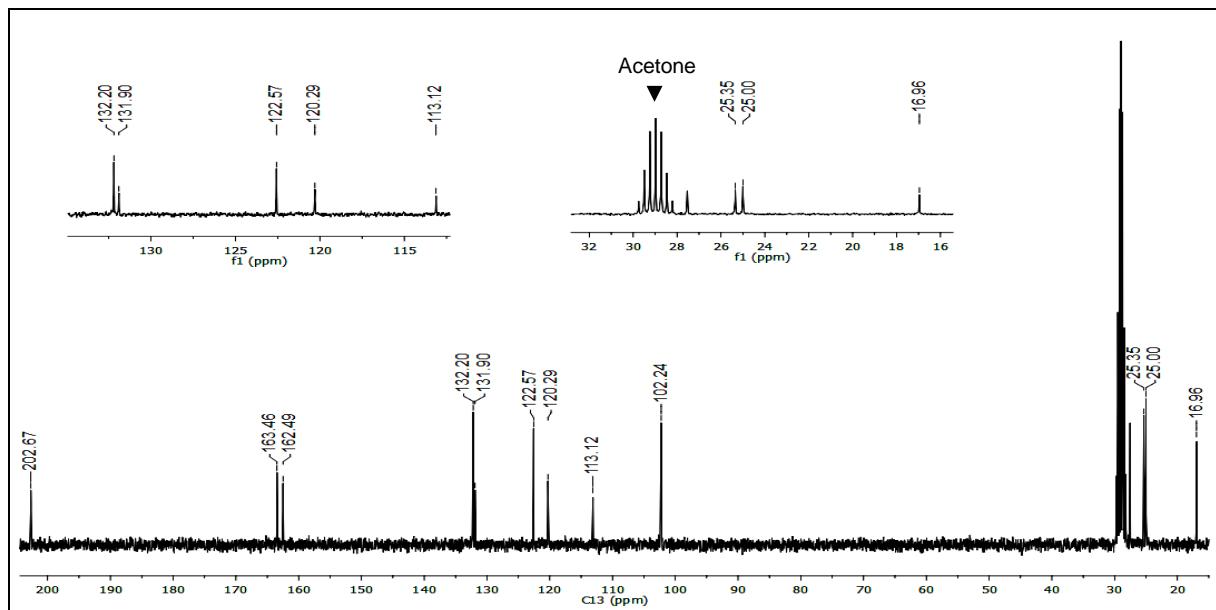
<sup>1</sup>H NMR (**13**)



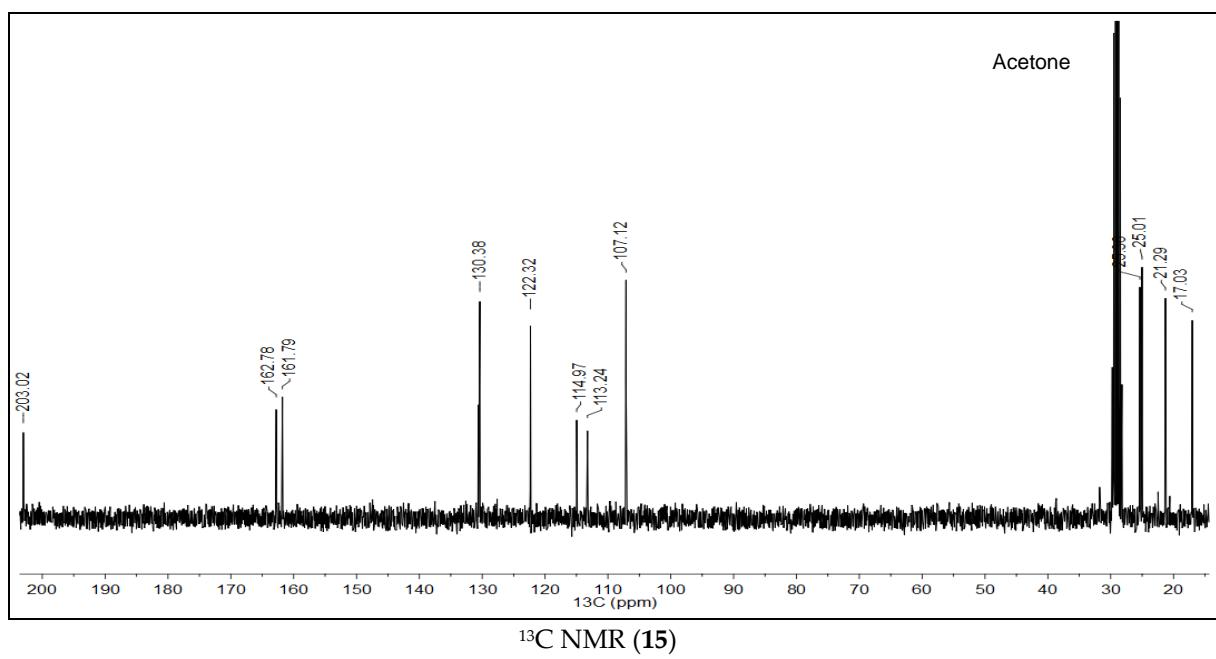
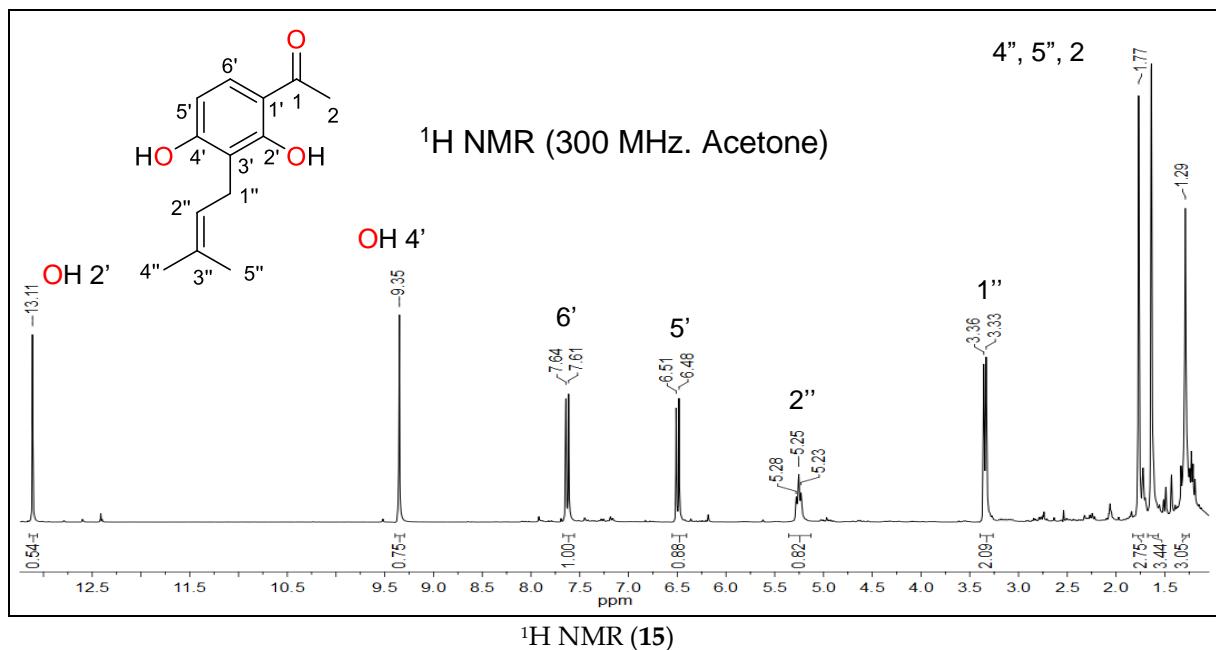
1-(2,4-Dihydroxy-5-(3-methylbut-2-en-1-yl)phenyl)ethan-1-one (**14**)



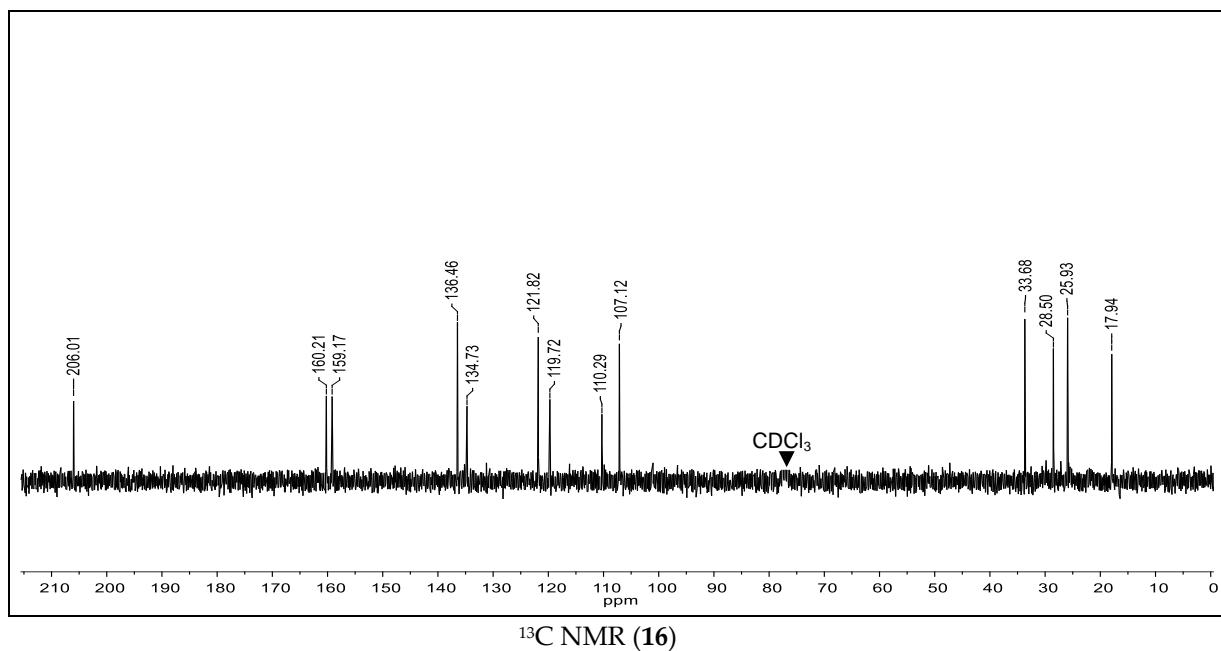
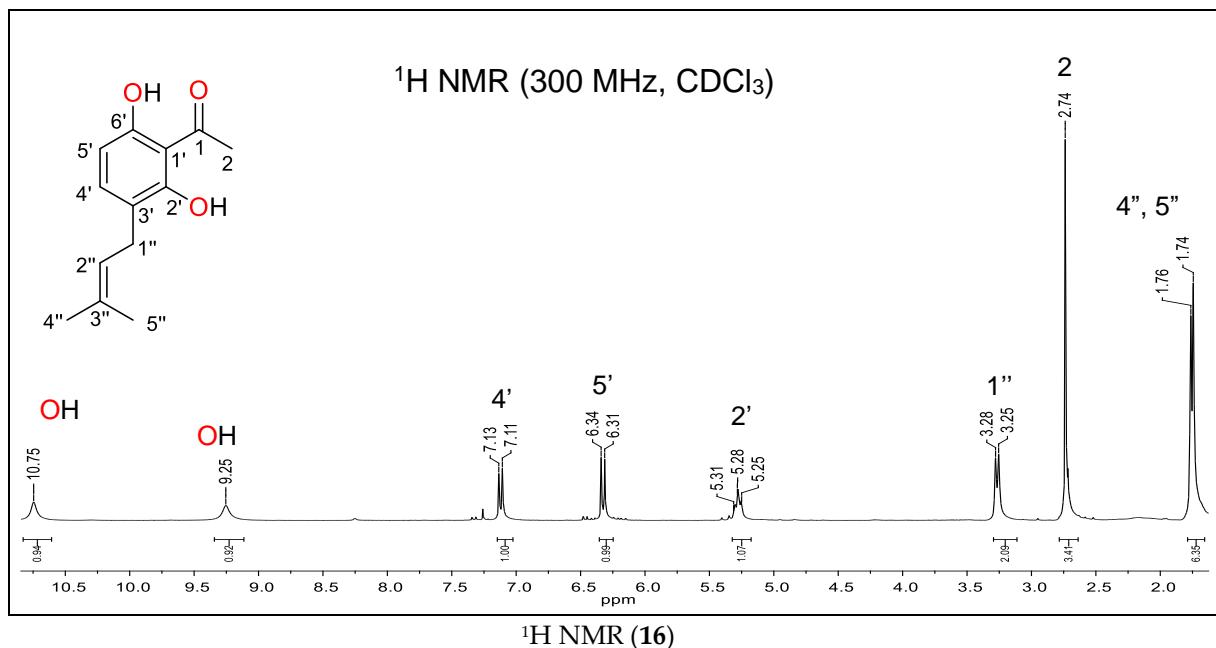
<sup>1</sup>H NMR (14)



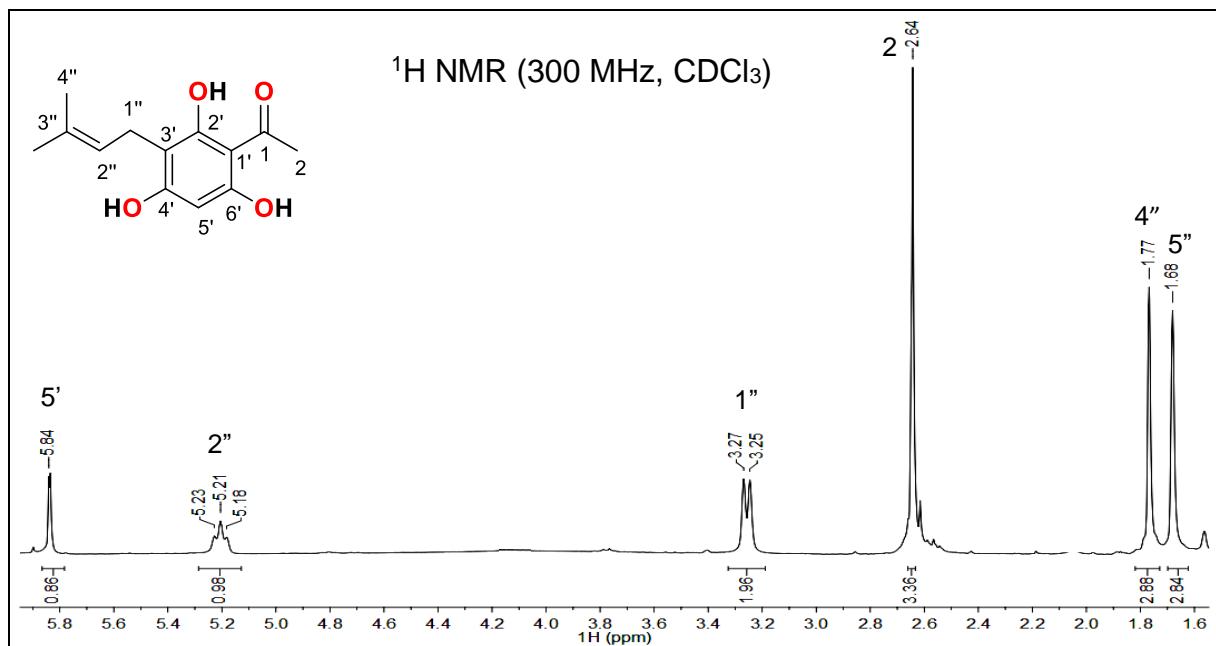
1-(2,4-Dihydroxy-3-(3-methylbut-2-en-1-yl)phenyl)ethan-1-one (**15**)



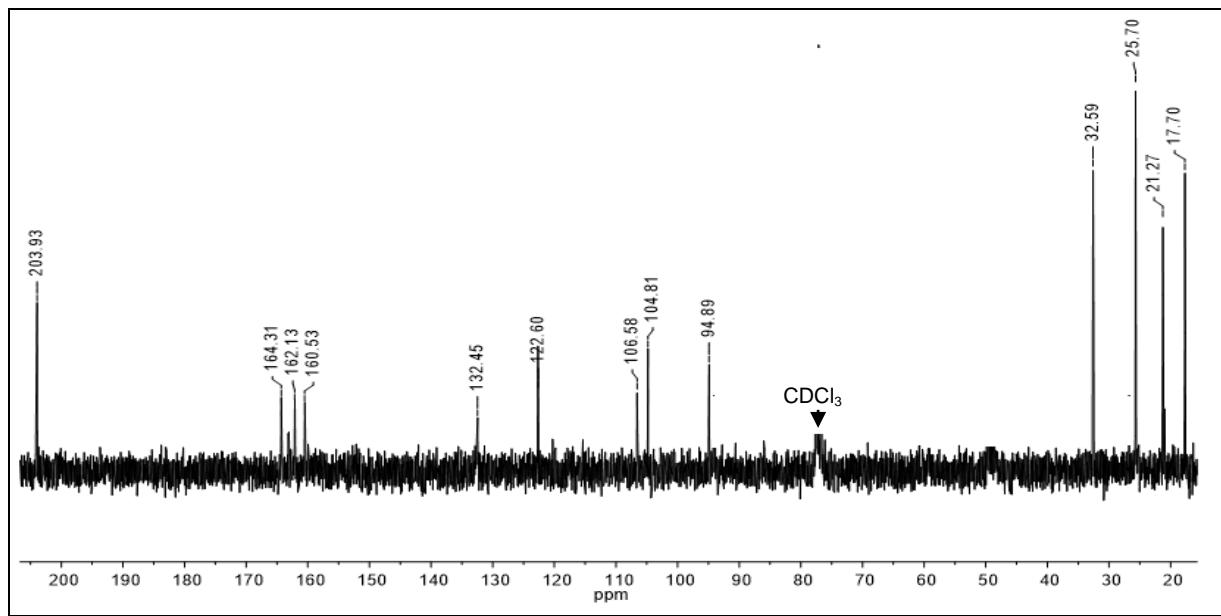
1-(2,6-Dihydroxy-3-(3-methylbut-2-en-1-yl)phenyl)ethan-1-one (**16**)



1-(2,4,6-Trihydroxy-3-(3-methylbut-2-en-1-yl)phenyl)ethan-1-one (**17**)

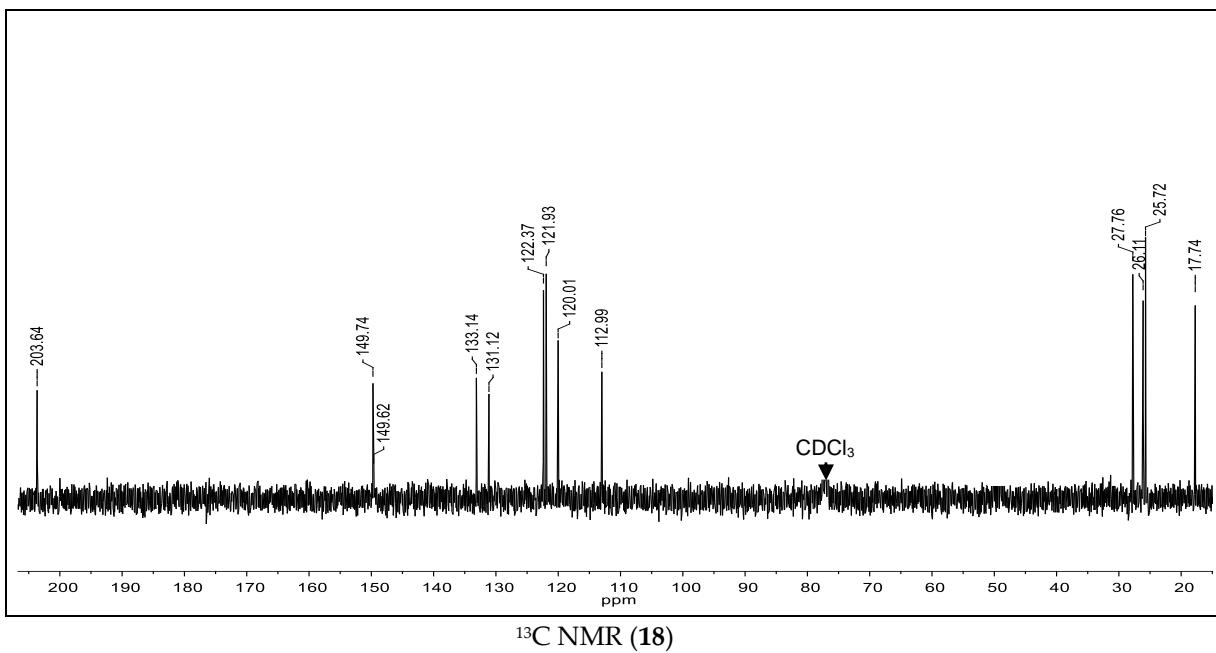
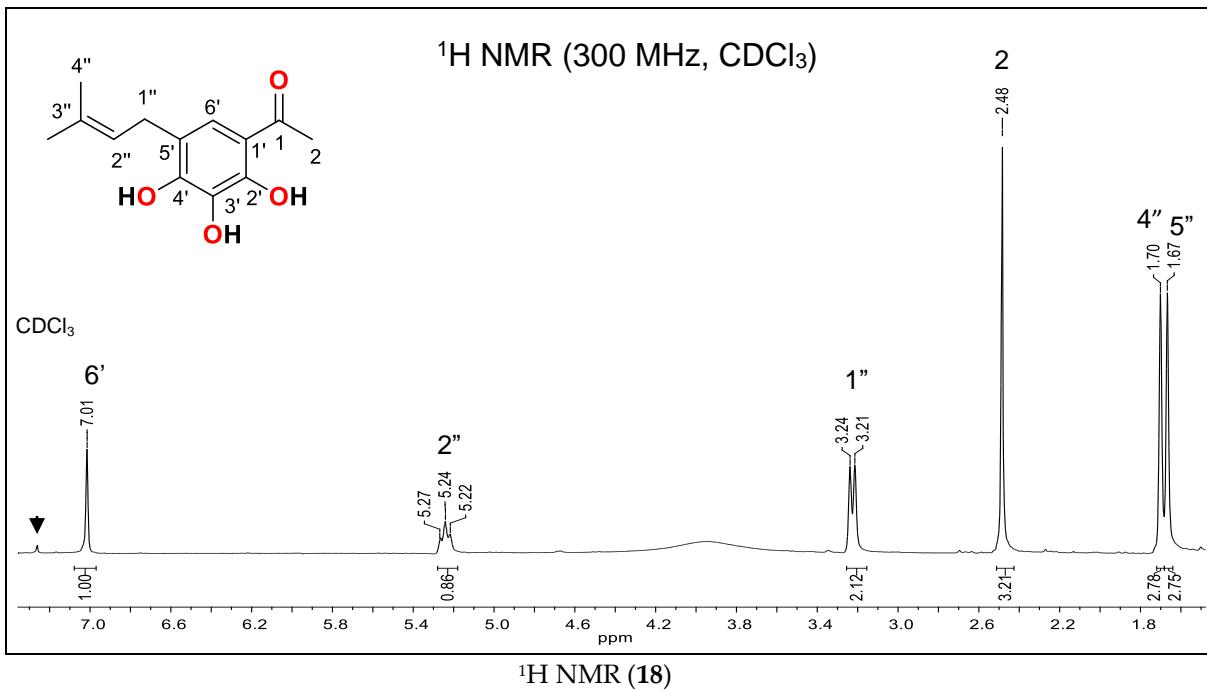


<sup>1</sup>H NMR (**17**)

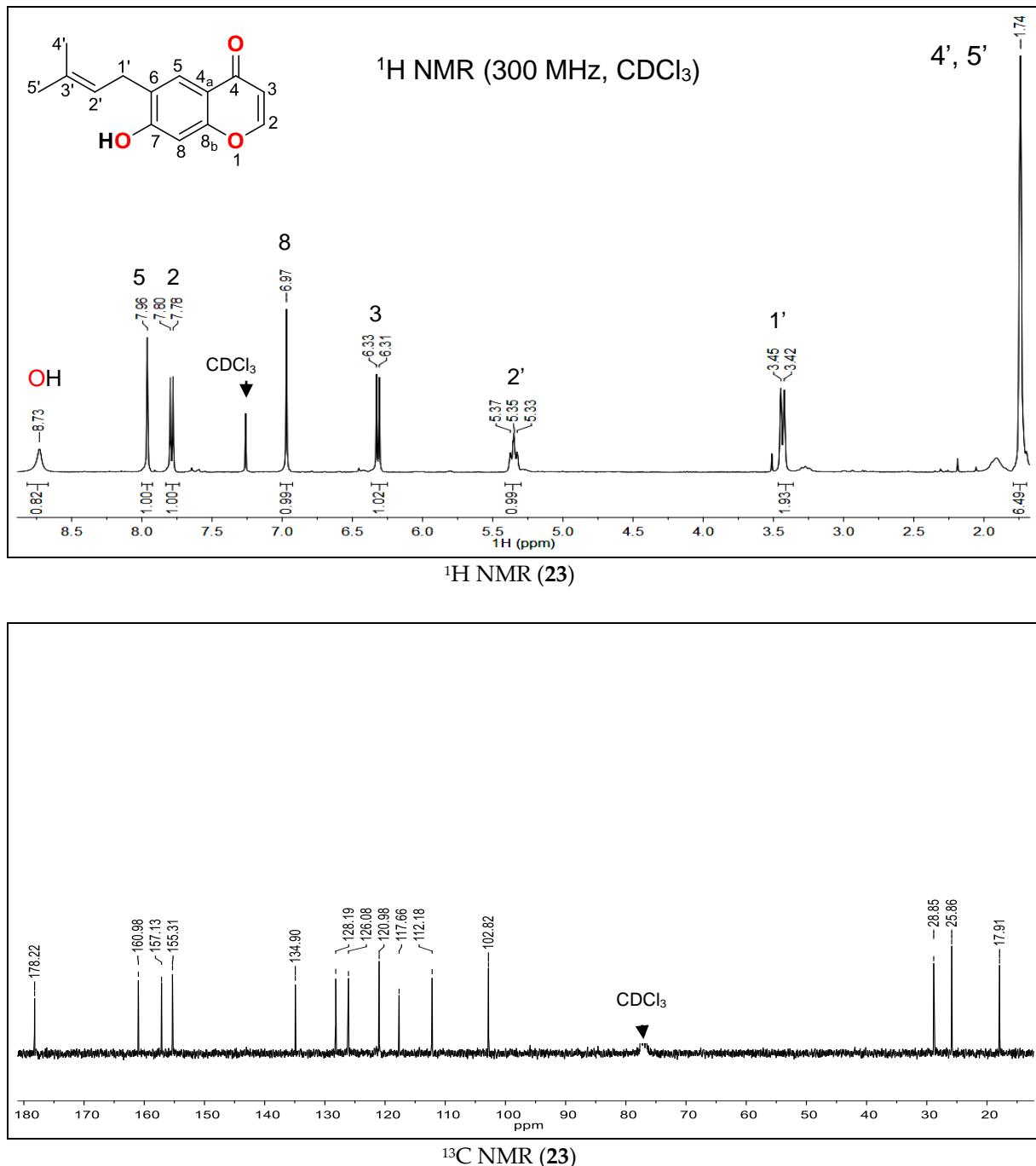


<sup>13</sup>C NMR (**17**)

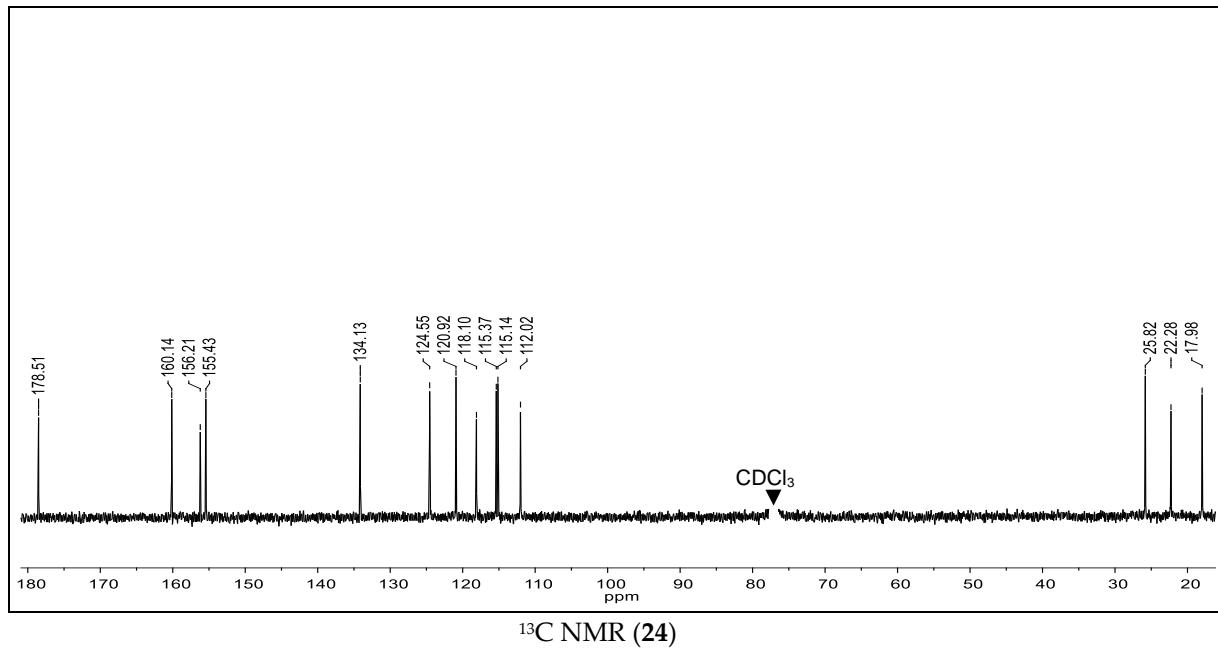
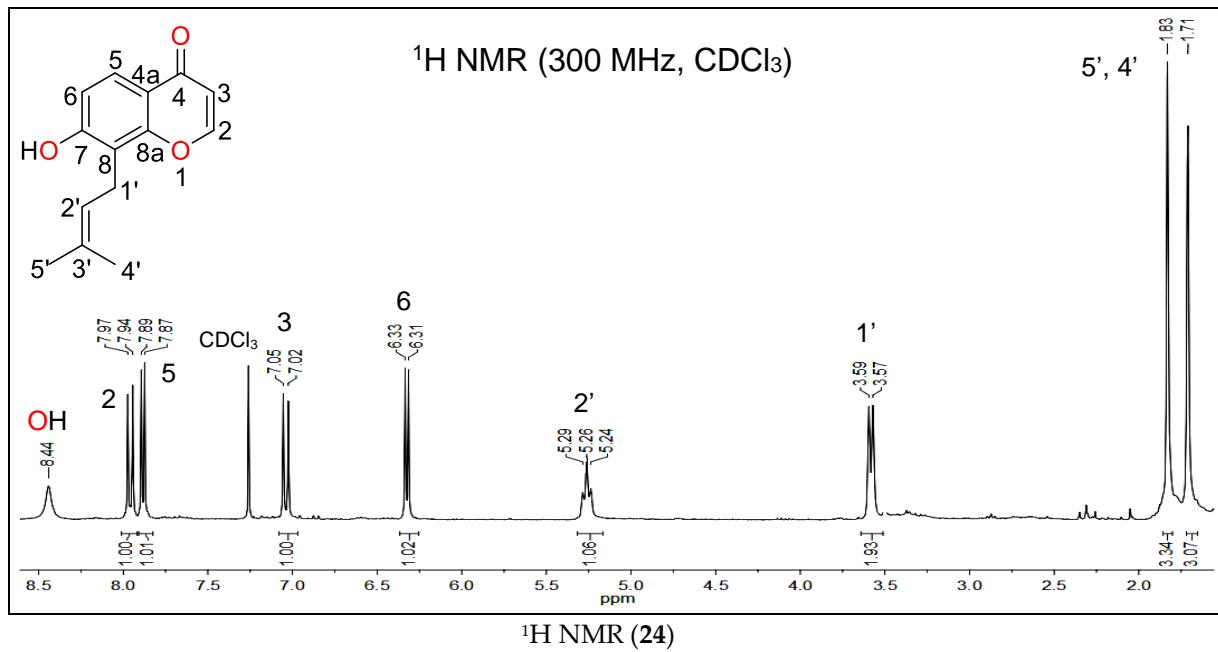
1-(2,3,4-Trihydroxy-5-(3-methylbut-2-en-1-yl)phenyl)ethan-1-one (**18**)



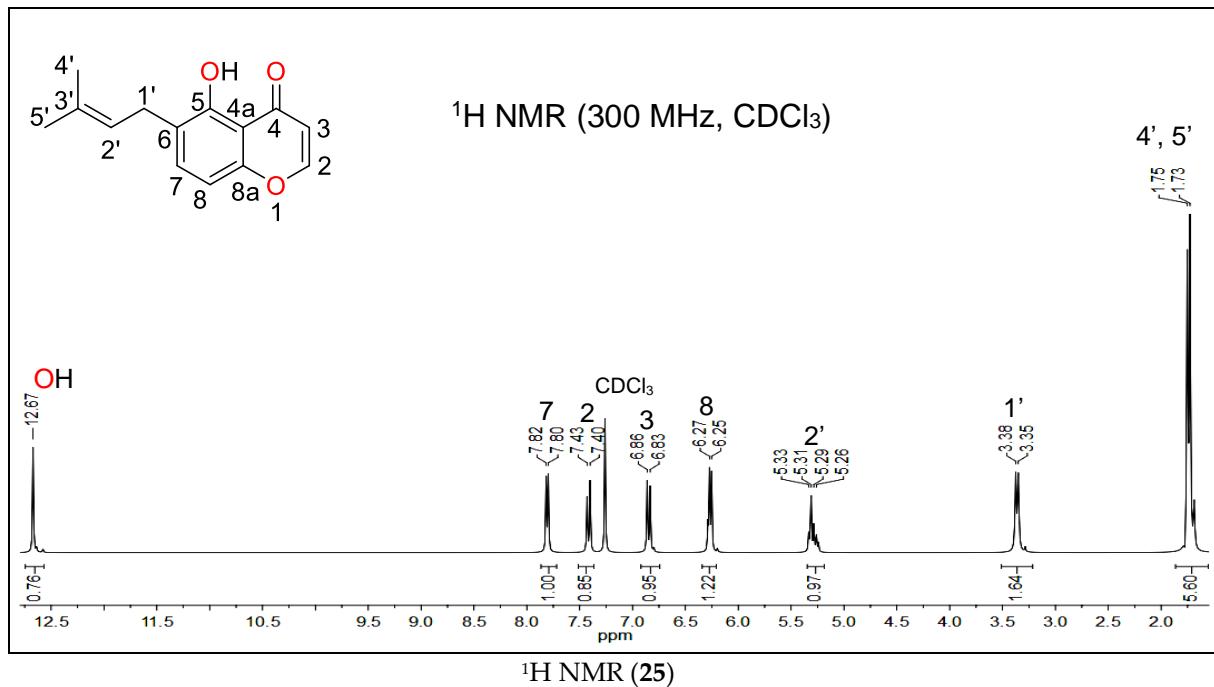
7-Hydroxy-6-(3-methylbut-2-en-1-yl)-4H-chromen-4-one (**23**)



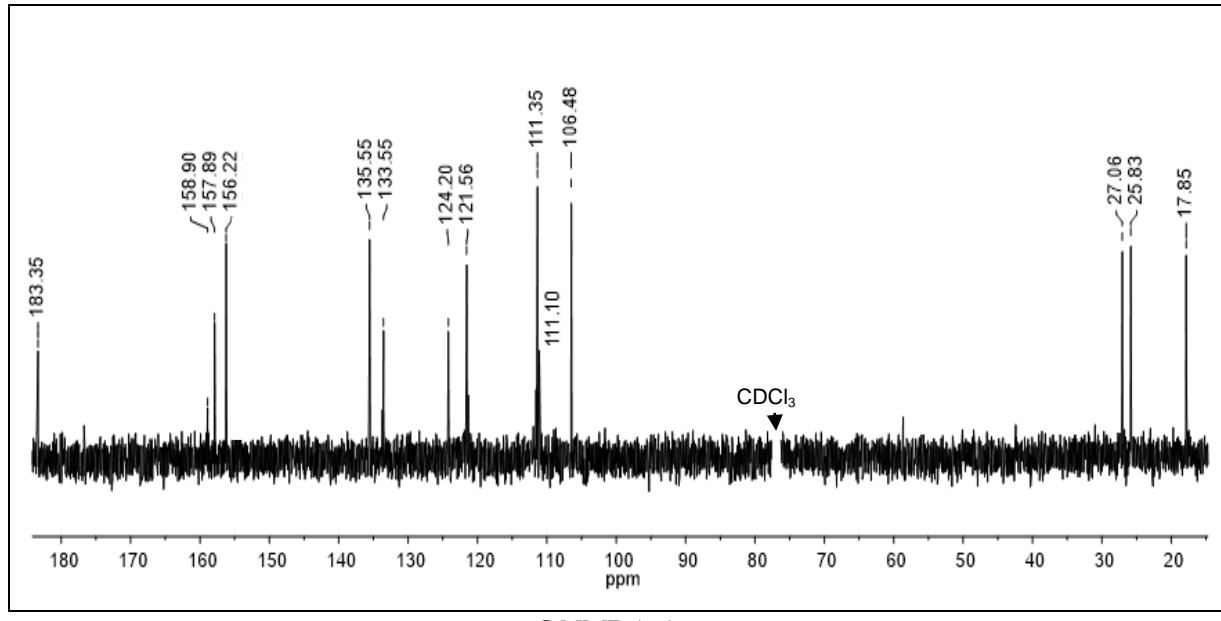
7-Hydroxy-8-(3-methylbut-2-en-1-yl)-4H-chromen-4-one (**24**)



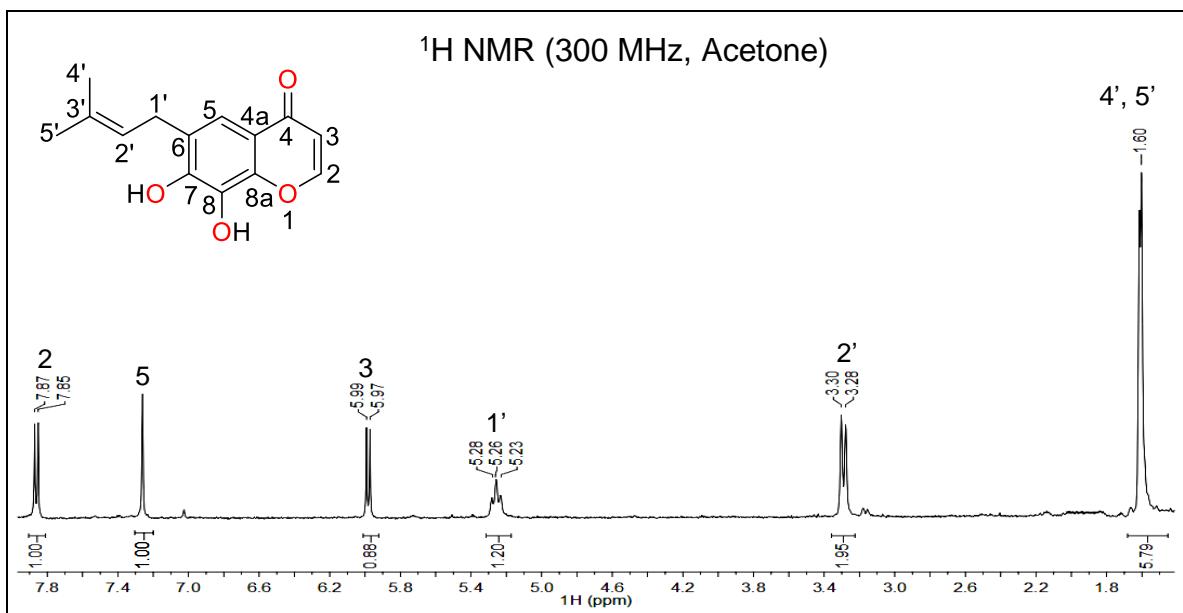
5-Hydroxy-6-(3-methylbut-2-en-1-yl)-4H-chromen-4-one (**25**)



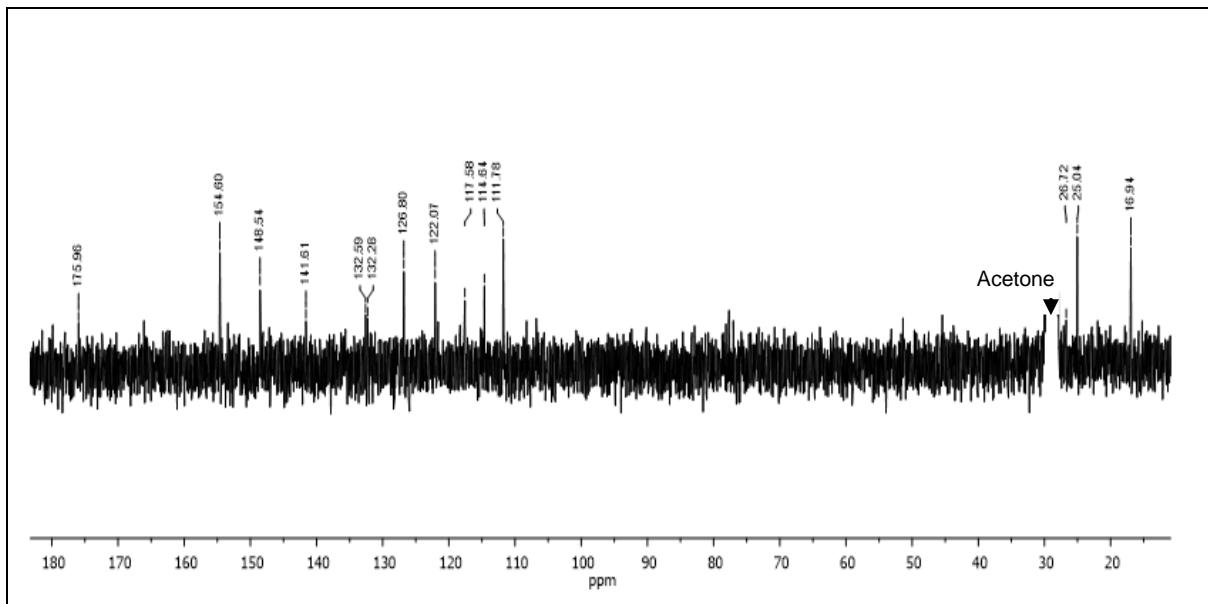
<sup>1</sup>H NMR (**25**)



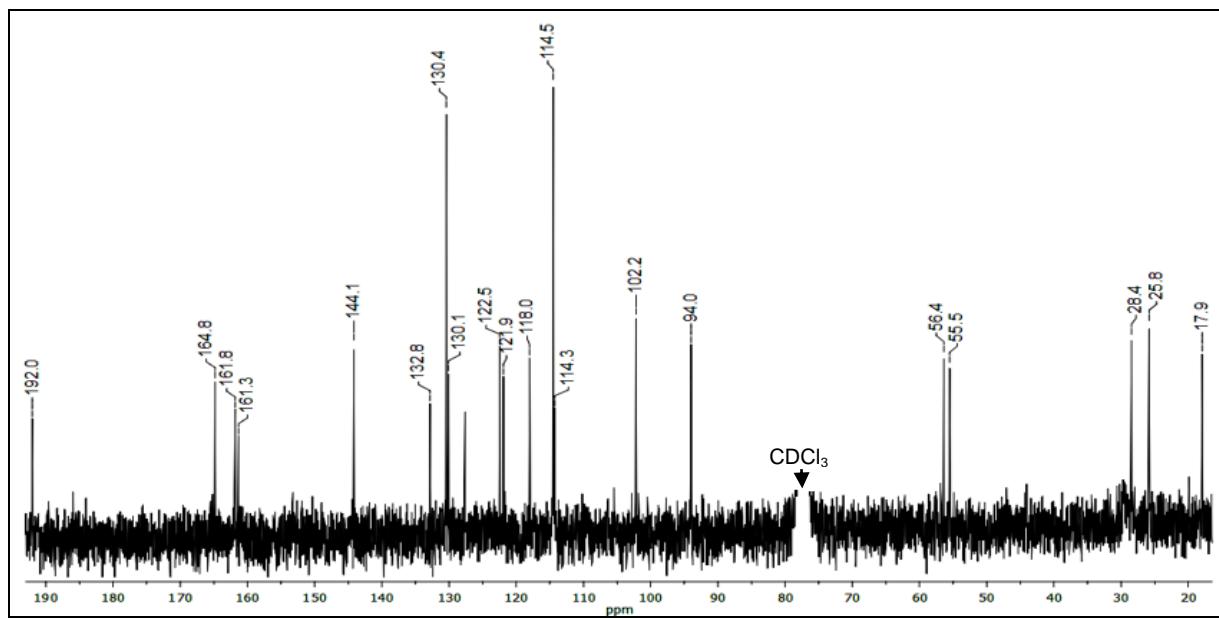
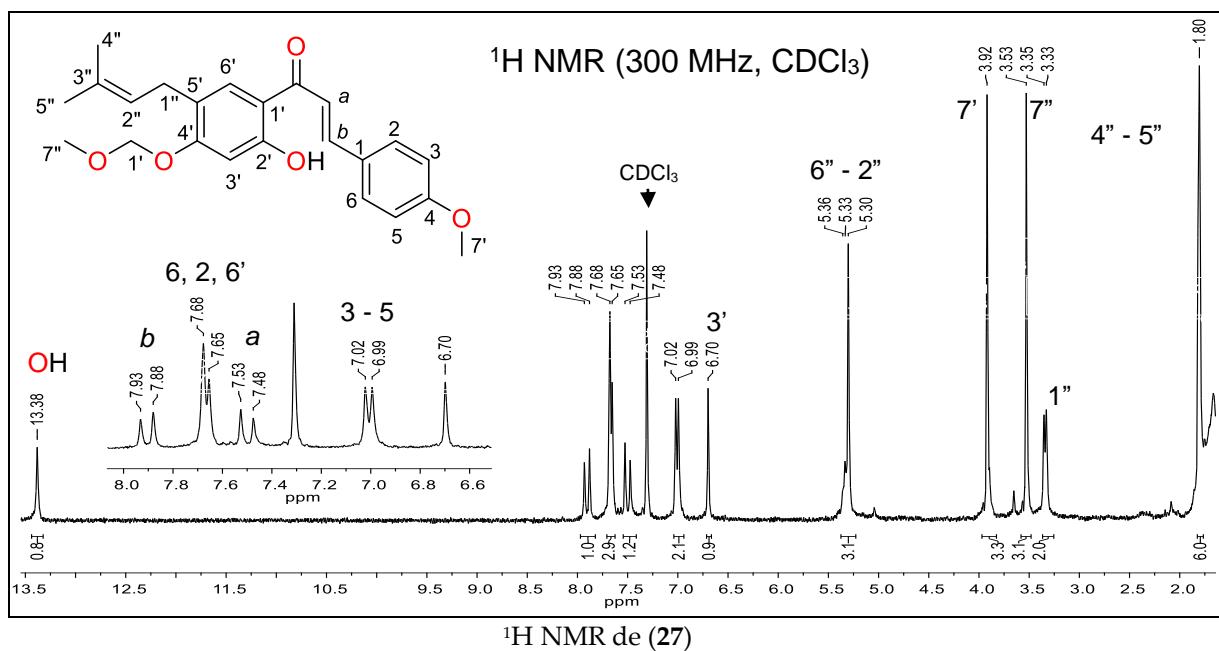
7,8-Dihydroxy-6-(3-methylbut-2-en-1-yl)-4H-chromen-4-one (**26**)

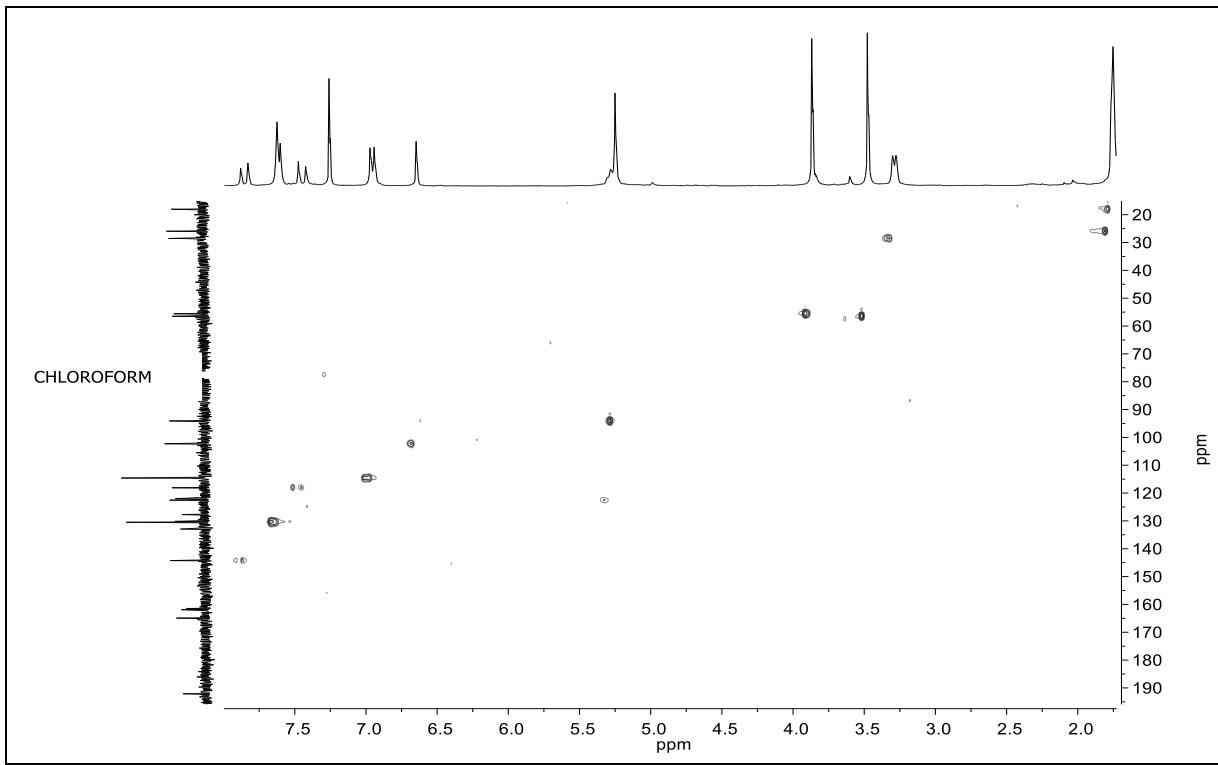


<sup>1</sup>H NMR (**26**)

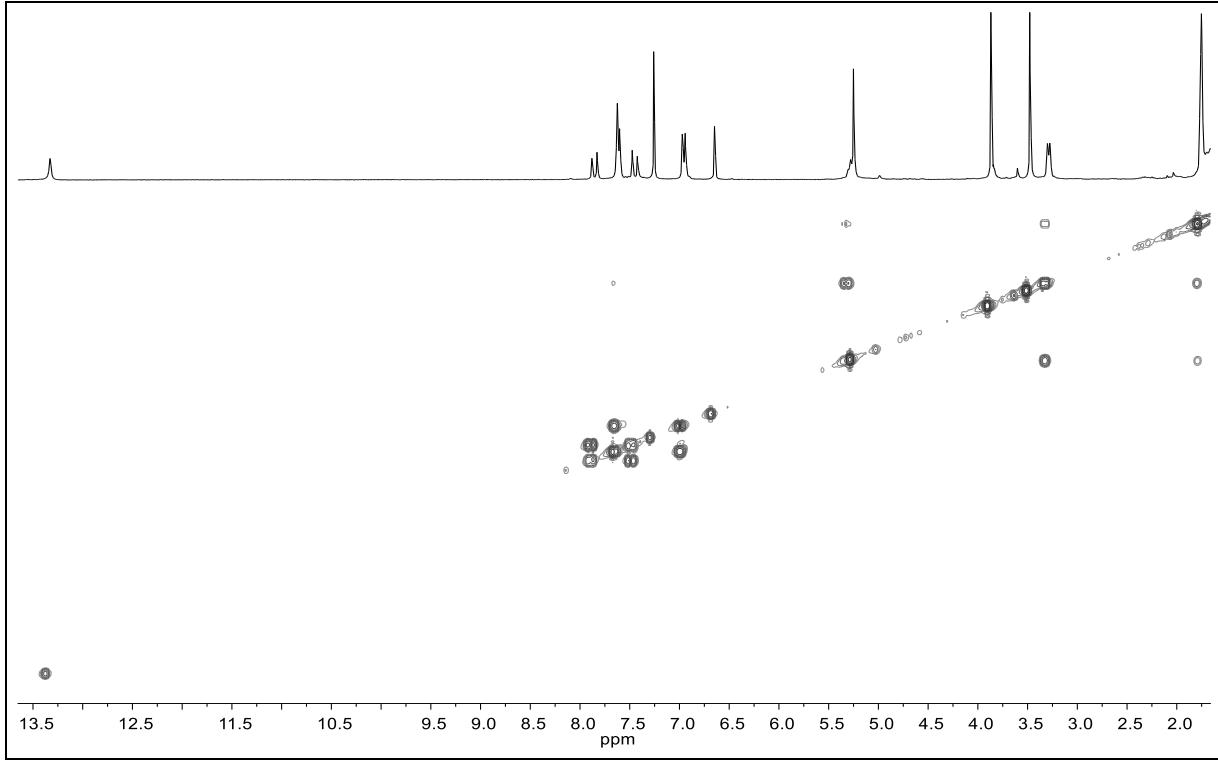


1-(2-Hydroxy-4-(methoxymethoxy)-5-(3-methylbut-2-en-1-yl)phenyl)-3-(4-methoxyphenyl)prop-2-en-1-one (27)





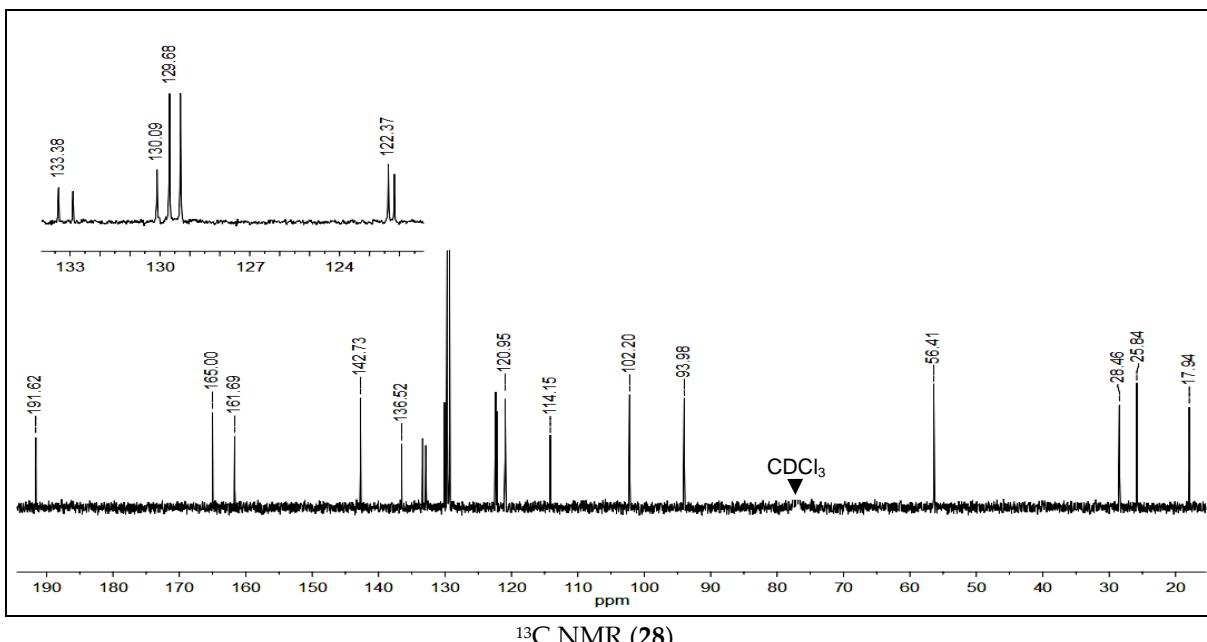
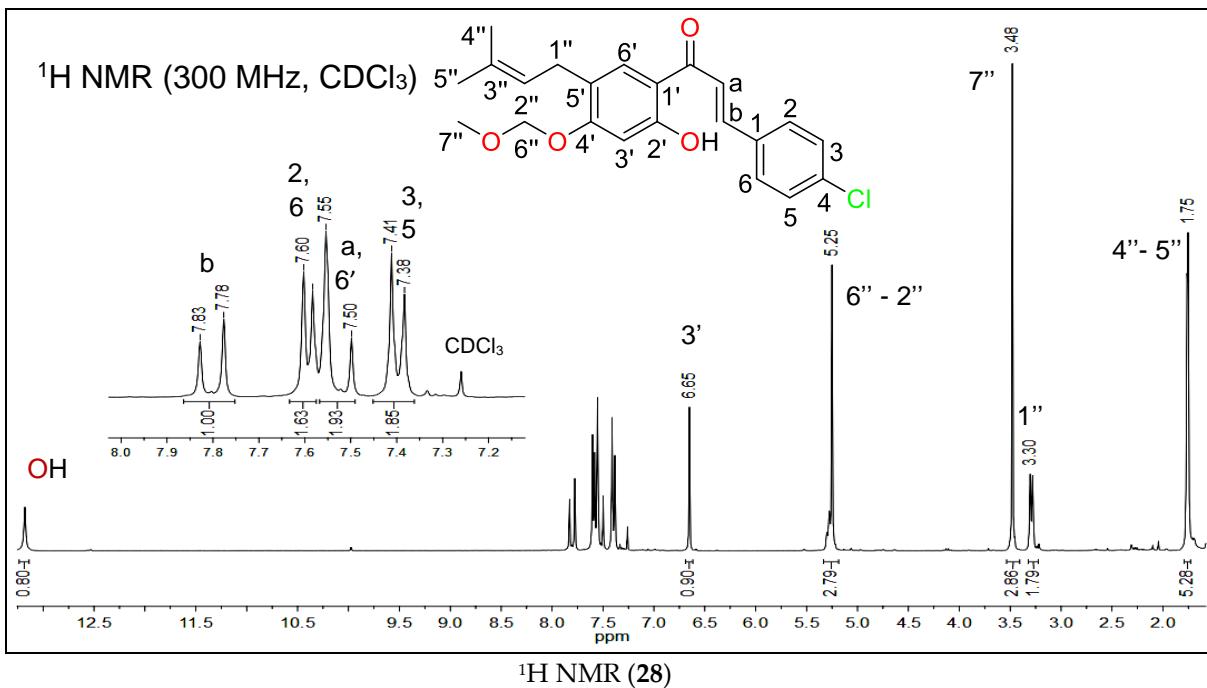
HMQC NMR (27)



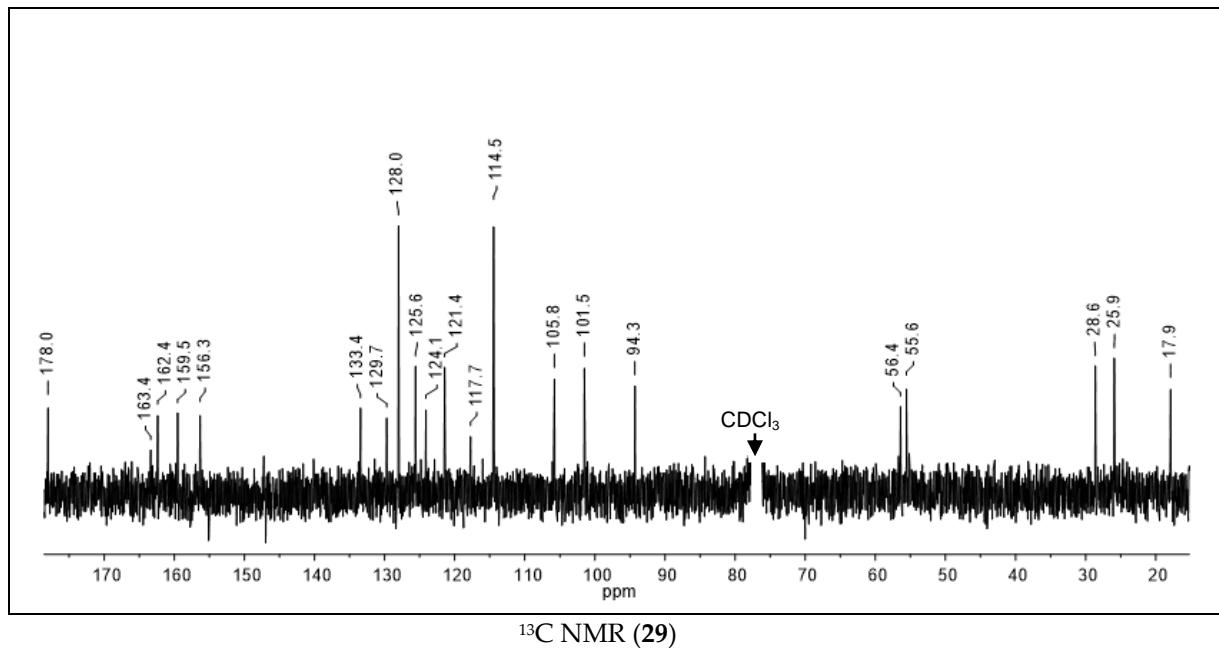
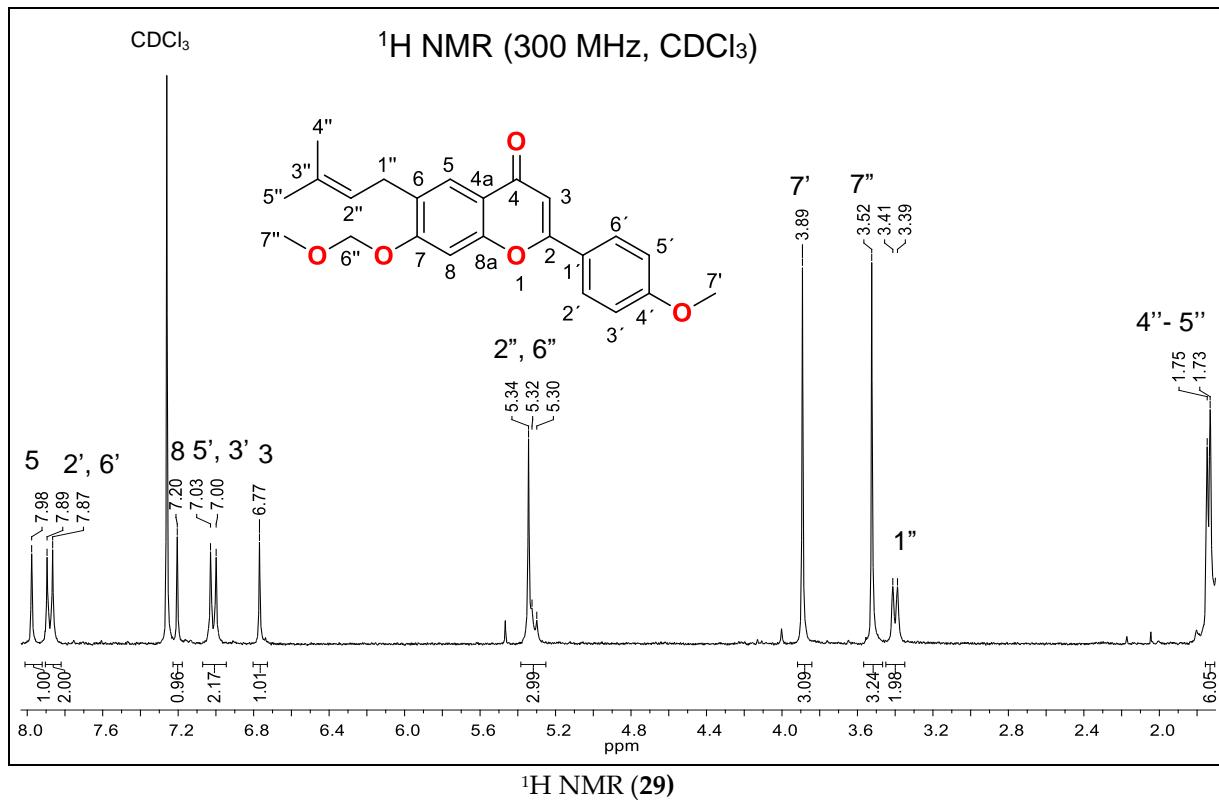
COSY NMR (27)

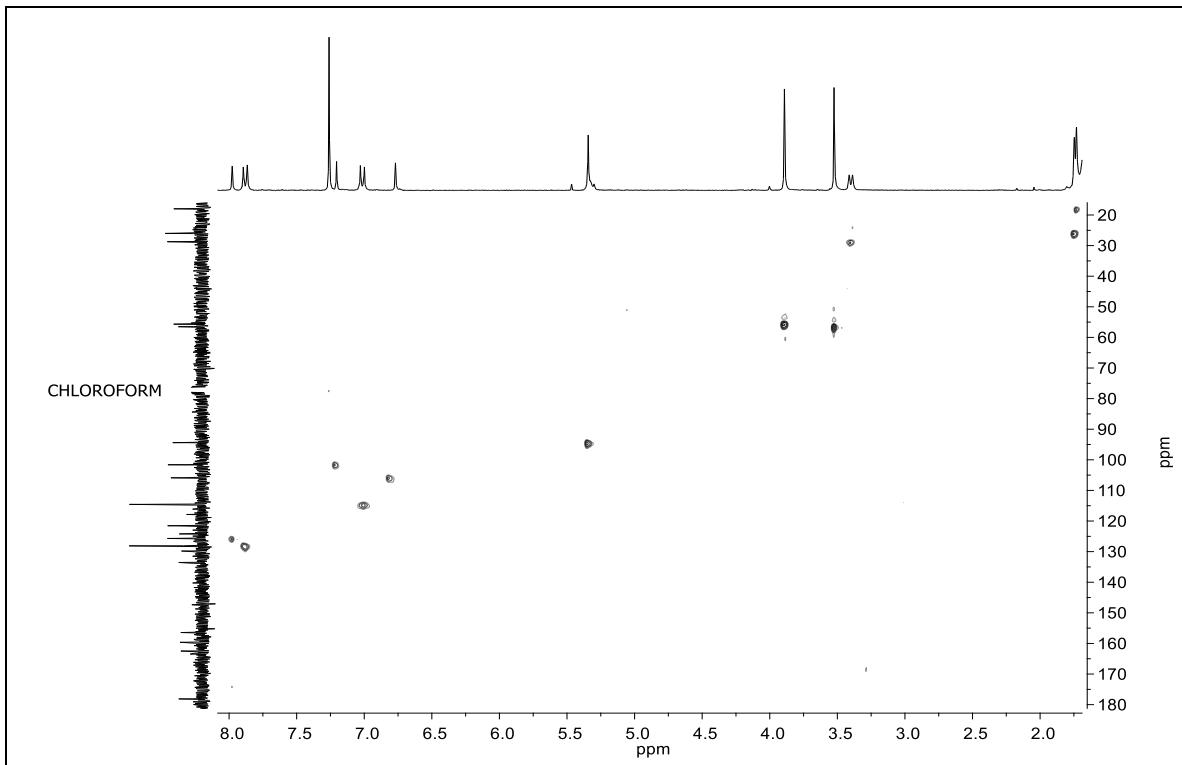
3-(4-Chlorophenyl)-1-(2-hydroxy-4-(methoxymethoxy)-5-(3-methylbut-2-en-1-yl)phenyl)prop-2-en-

1-one (28)

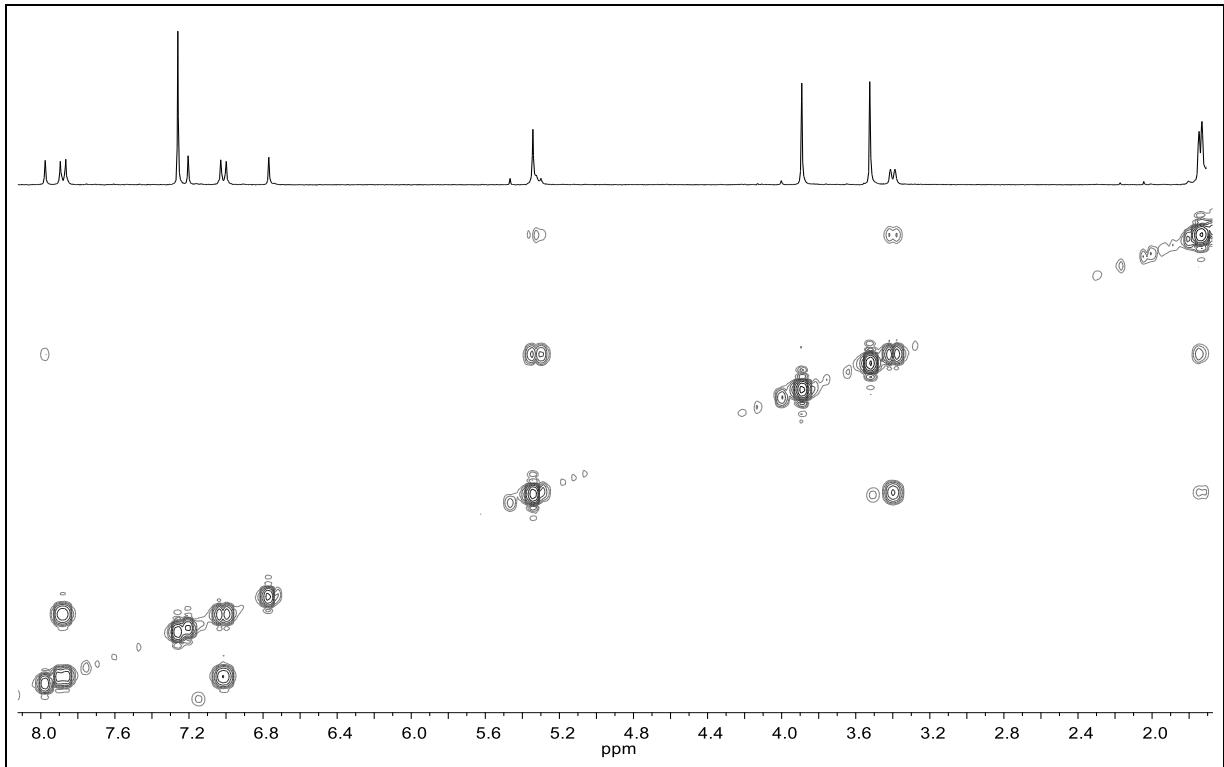


7-(methoxymethoxy)-2-(4-methoxyphenyl)-6-(3-methylbut-2-en-1-yl)-4H-chromen-4-one (29)



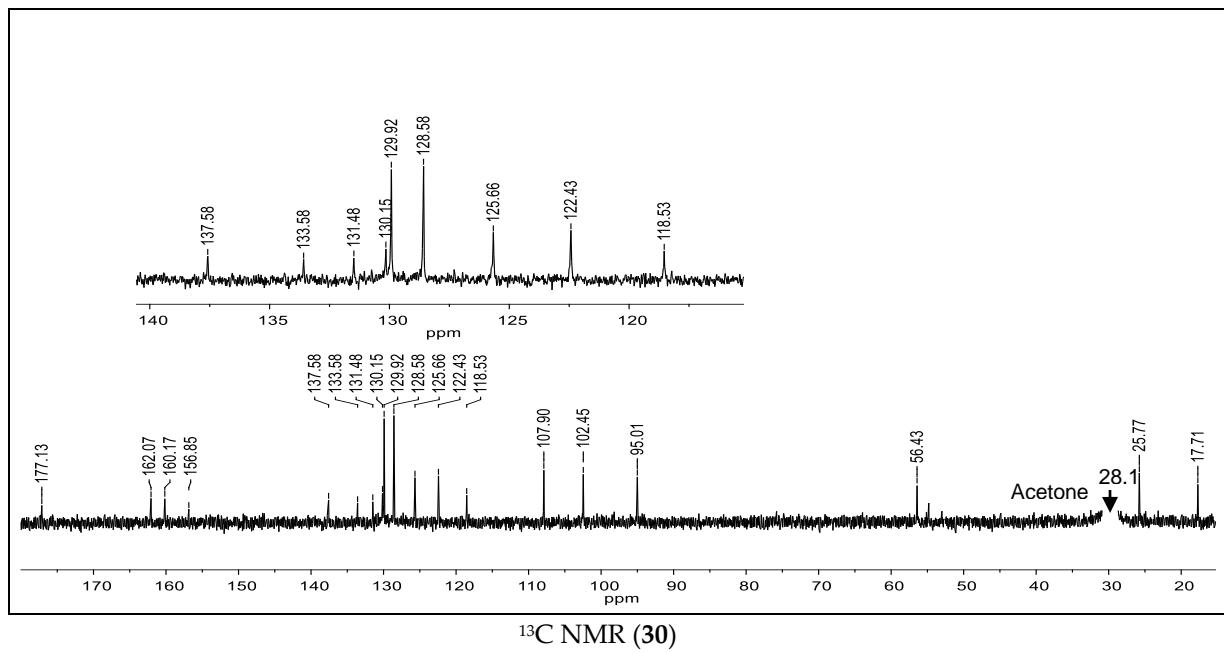
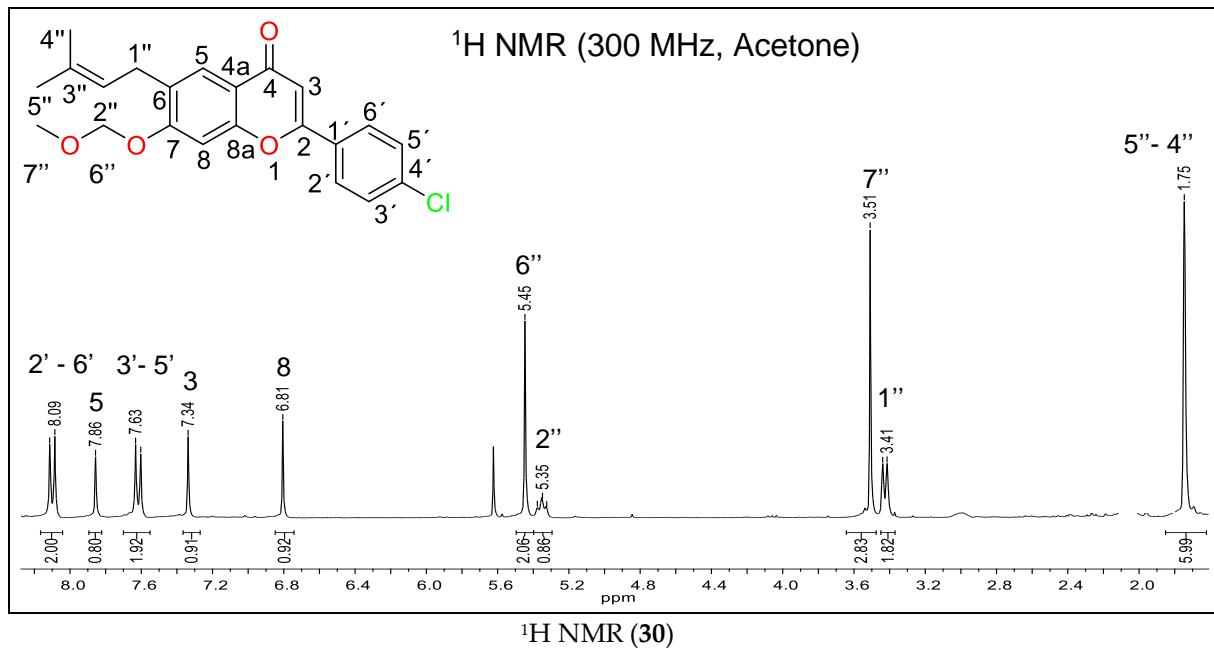


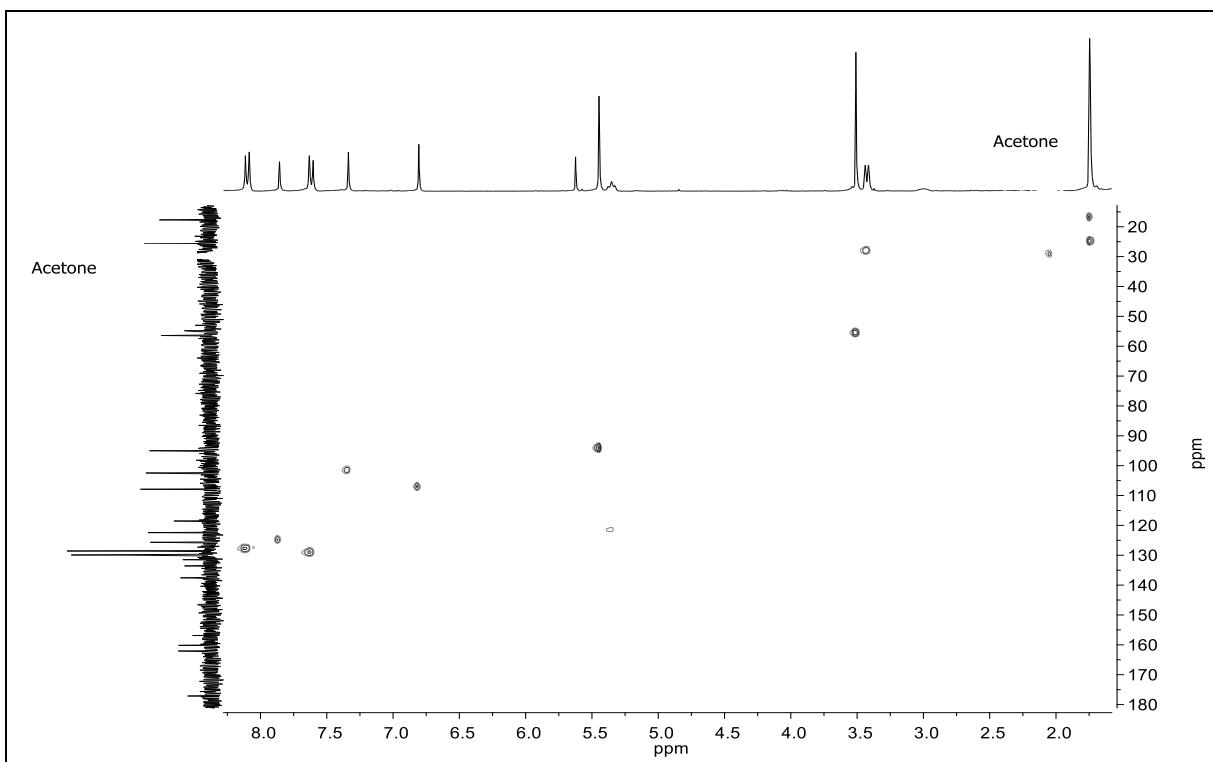
HMQC NMR (29)



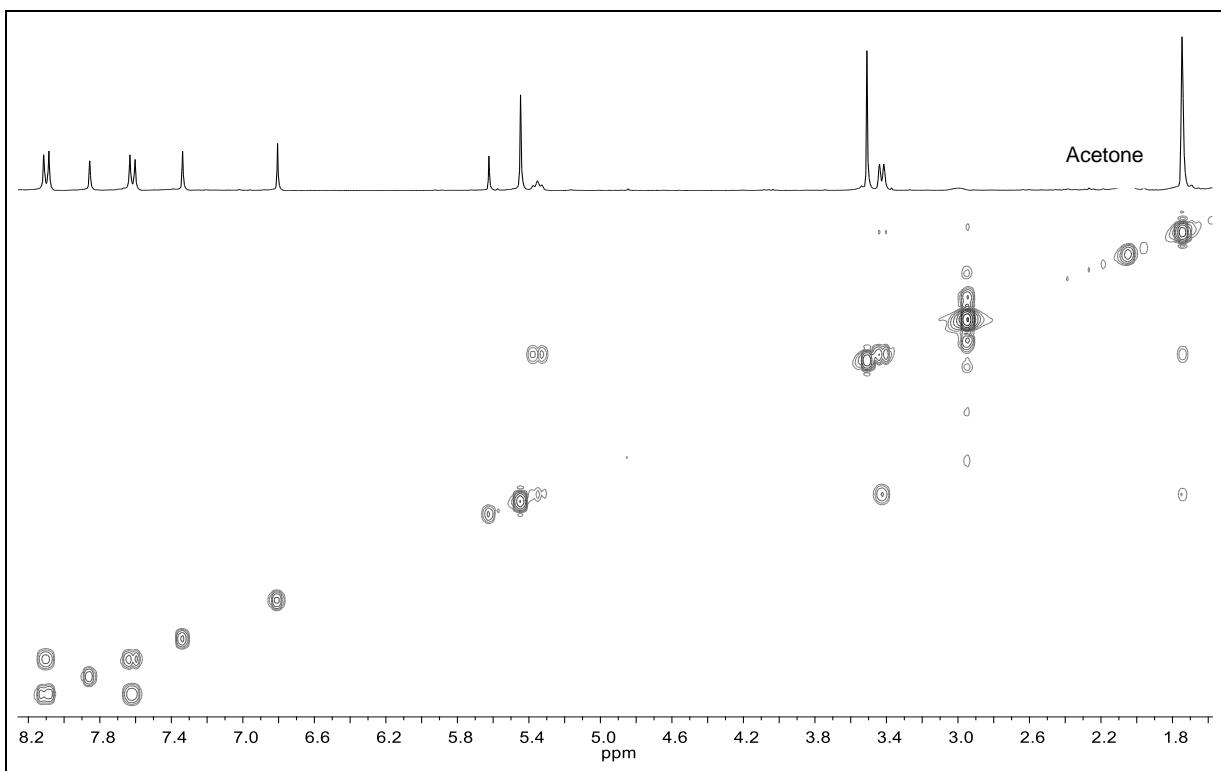
COSY NMR (29)

2-(4-chlorophenyl)-7-(methoxymethoxy)-6-(3-methylbut-2-en-1-yl)-4H-chromen-4-one (**30**)





HMQC NMR (30)



COSY NMR (30)