

*Supporting information*

**THREE NEW CHROMONE DERIVATIVES FROM *CASSIA PUMILA*  
AND THEIR ANTI-TOBACCO MOSAIC VIRUS ACTIVITY**

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**Figure S1**  $^{13}\text{C}$  NMR spectrum of 2-(3-hydroxypropanoyl)-5-(isobutyryl)-8-methoxy-4*H*-chromen-4-one (**1**)

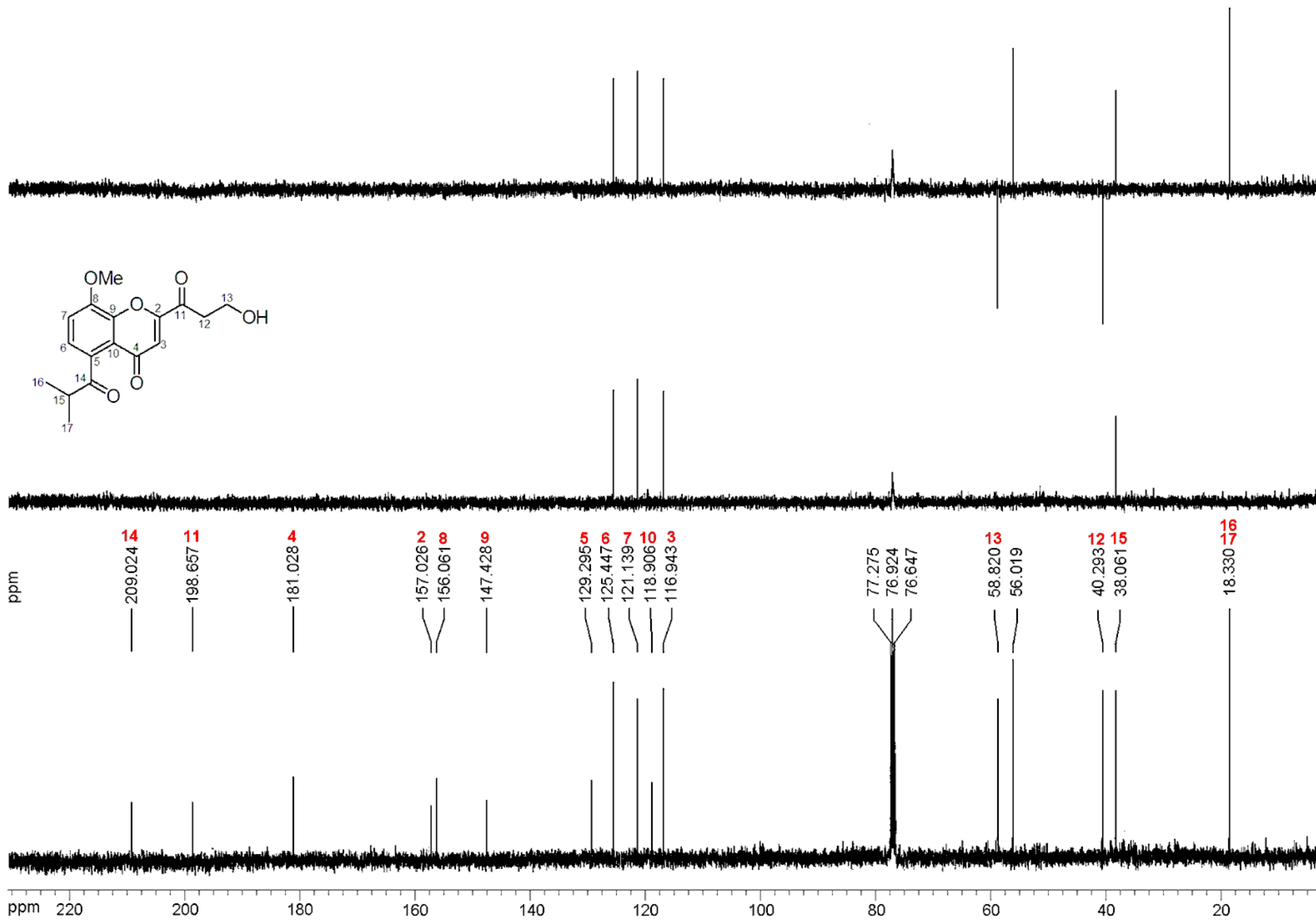


Figure S2 <sup>1</sup>H NMR spectrum of 2-(3-hydroxypropoyl)-5-(isobutyryl)-8-methoxy-4*H*-chromen-4-one (**1**)

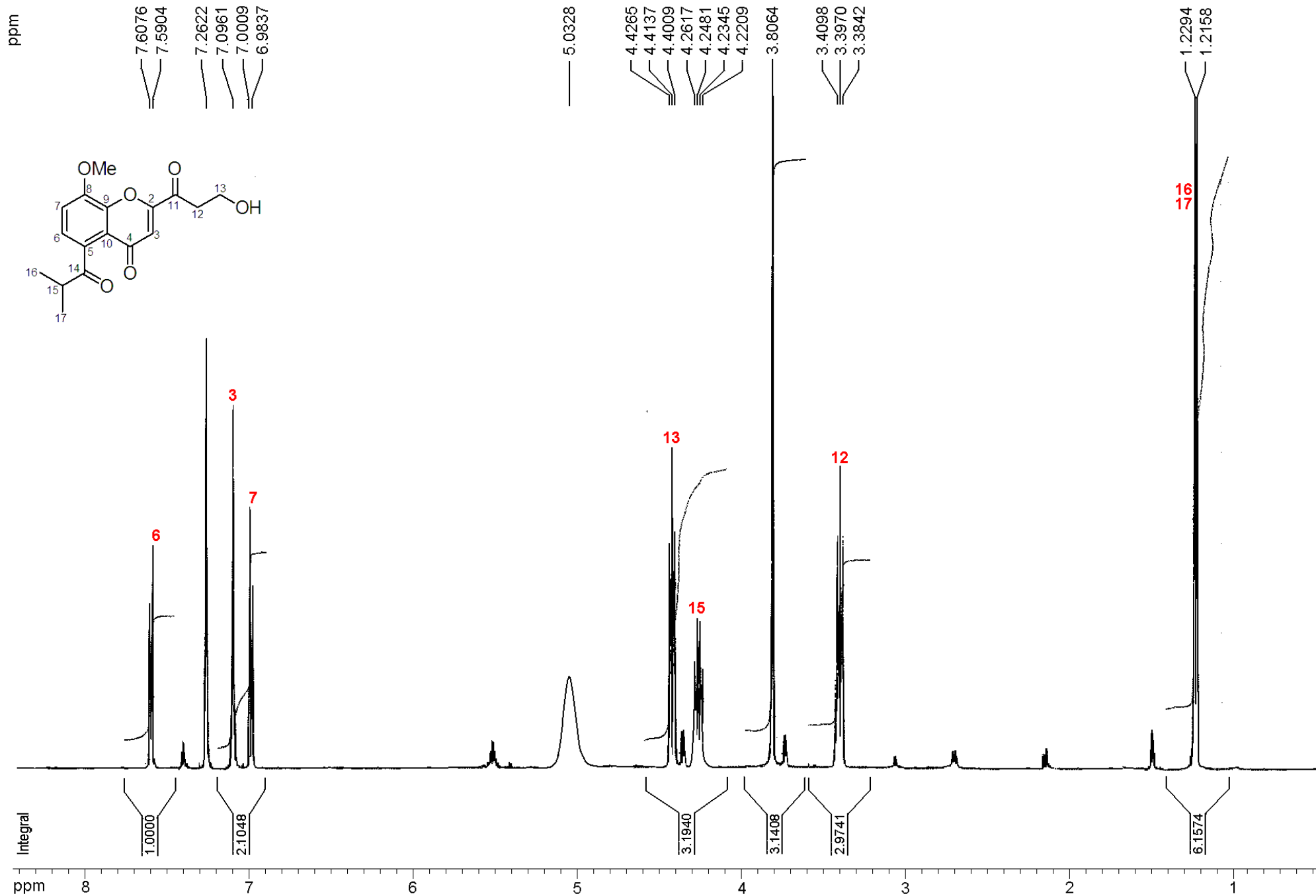
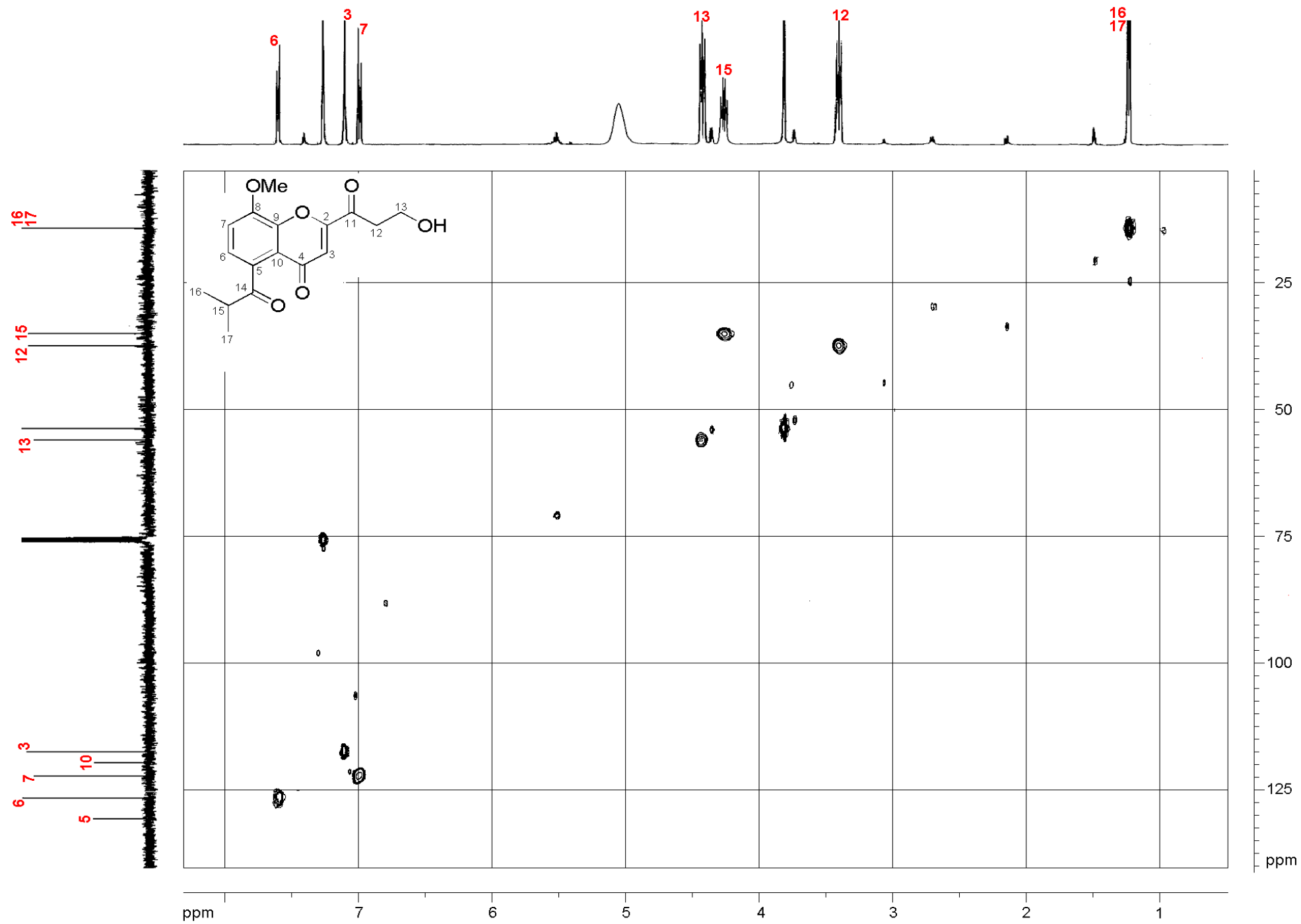


Figure S3 HSQC NMR spectrum of 2-(3-hydroxypropanoyl)-5-(isobutyryl)-8-methoxy-4H-chromen-4-one (**1**)



**Figure S4** HMBC NMR spectrum of 2-(3-hydroxypropanoyl)-5-(isobutyryl)-8-methoxy-4*H*-chromen-4-one (**1**)

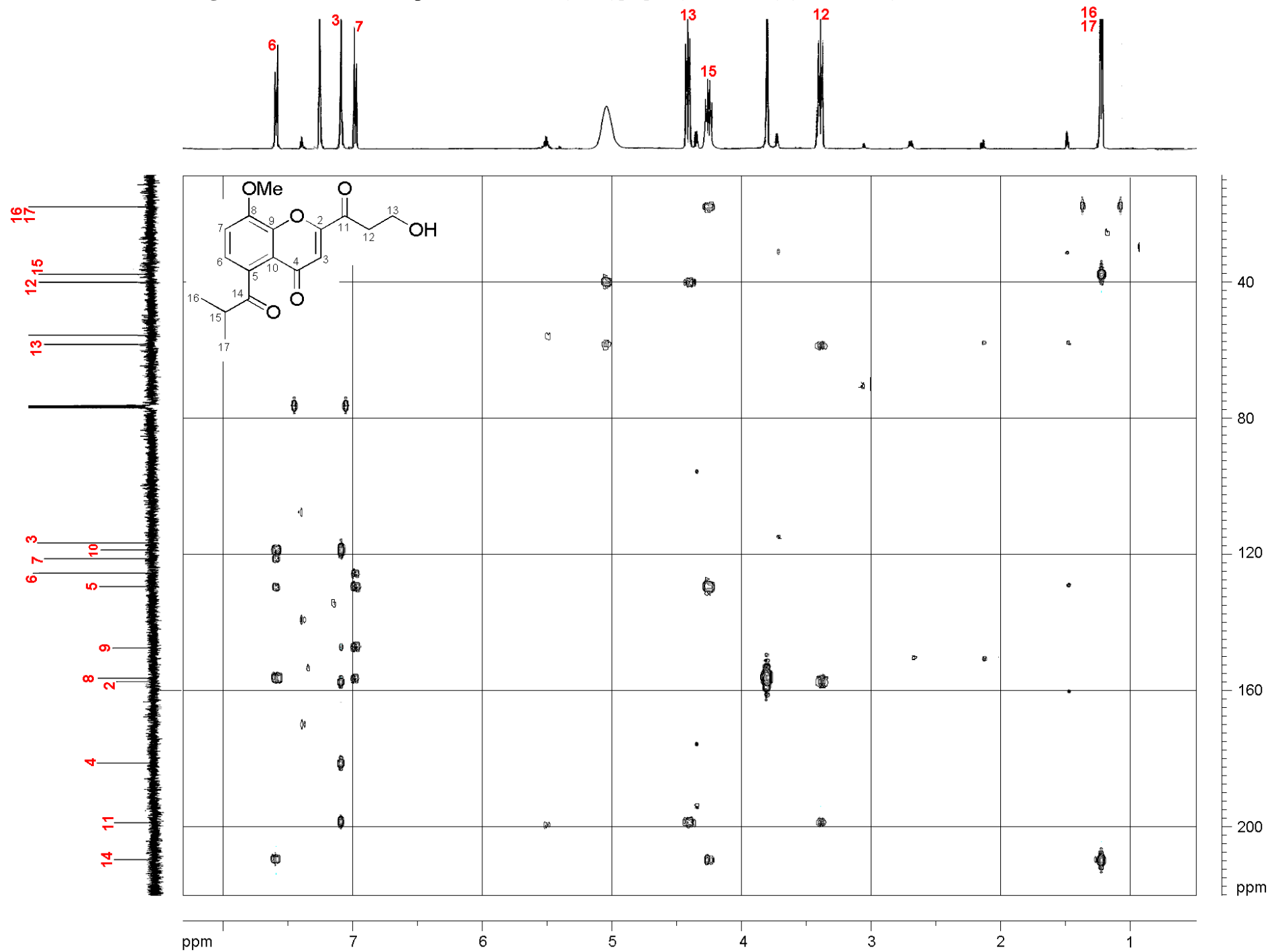


Figure S5 <sup>13</sup>C NMR spectrum of 8-hydroxy-2-(3-hydroxypropanoyl)-5-(isobutyryl)-4*H*-chromen-4-one (2)

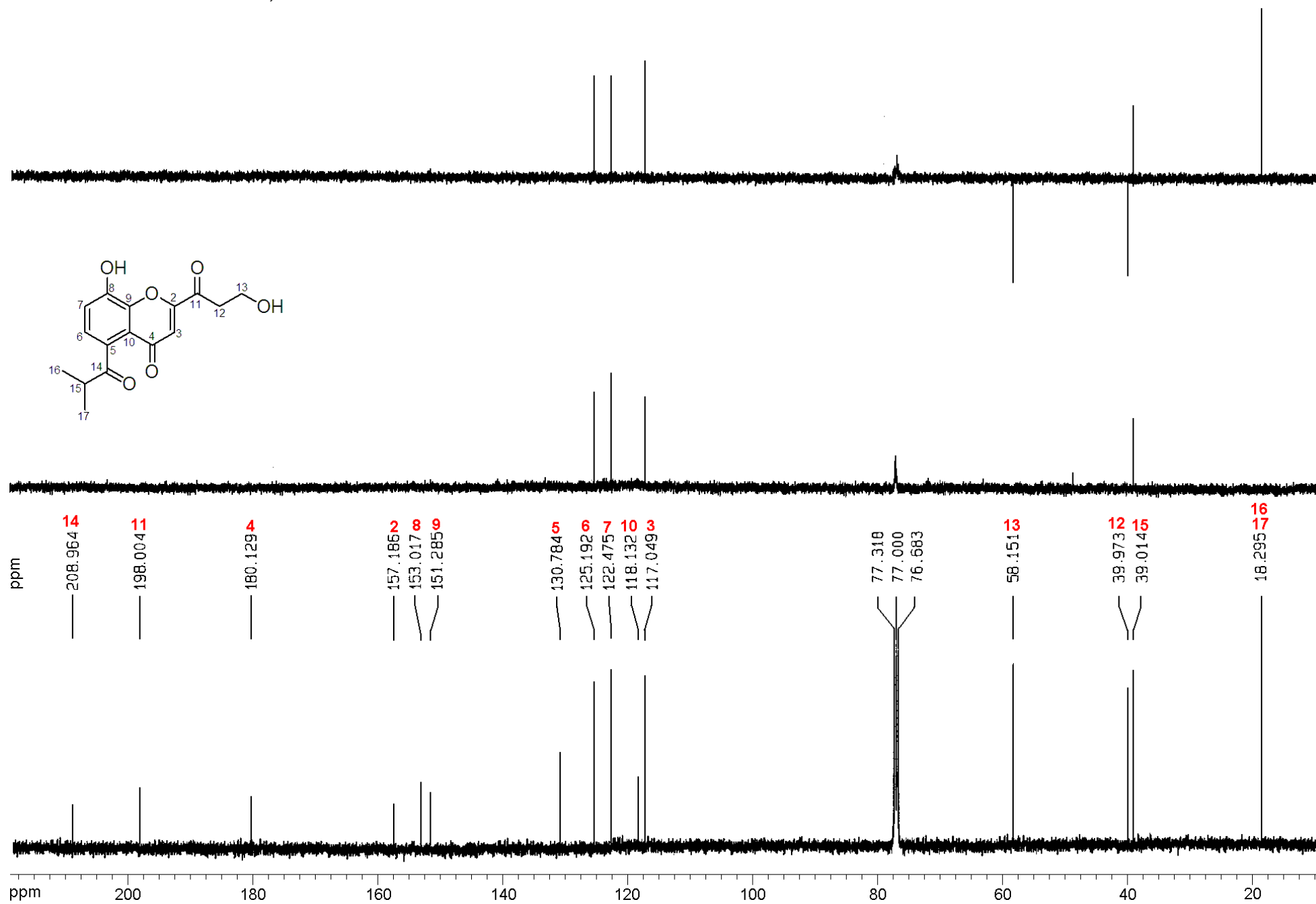


Figure S6 <sup>1</sup>H NMR spectrum of 8-hydroxy-2-(3-hydroxypropanoyl)-5-(isobutyryl)-4*H*-chromen-4-one (2)

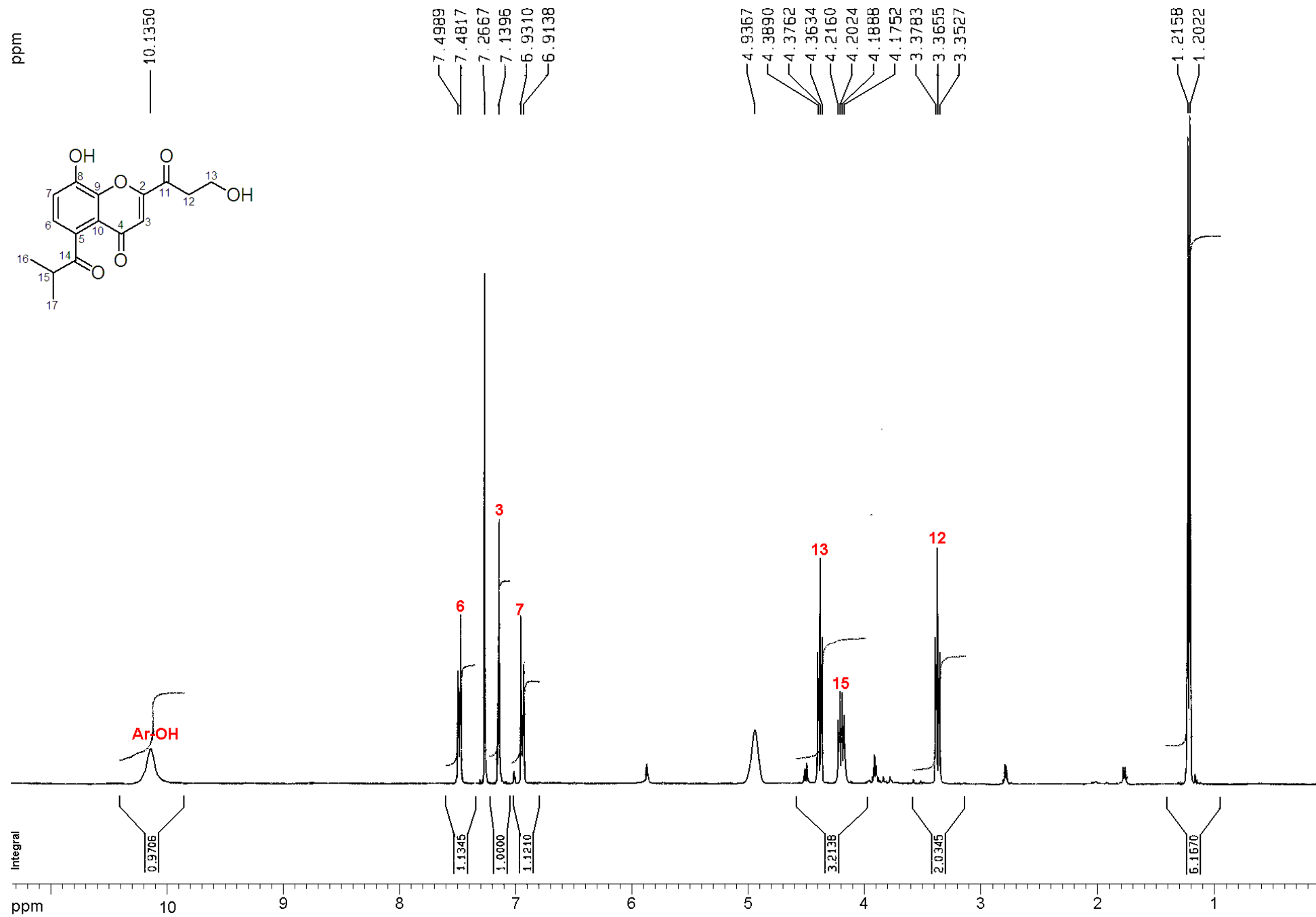




Figure S7  $^{13}\text{C}$  NMR spectrum of 5-(isobutyryl)-2-(2-oxopropyl)-8-methoxy-4*H*-chromen-4-one (3)

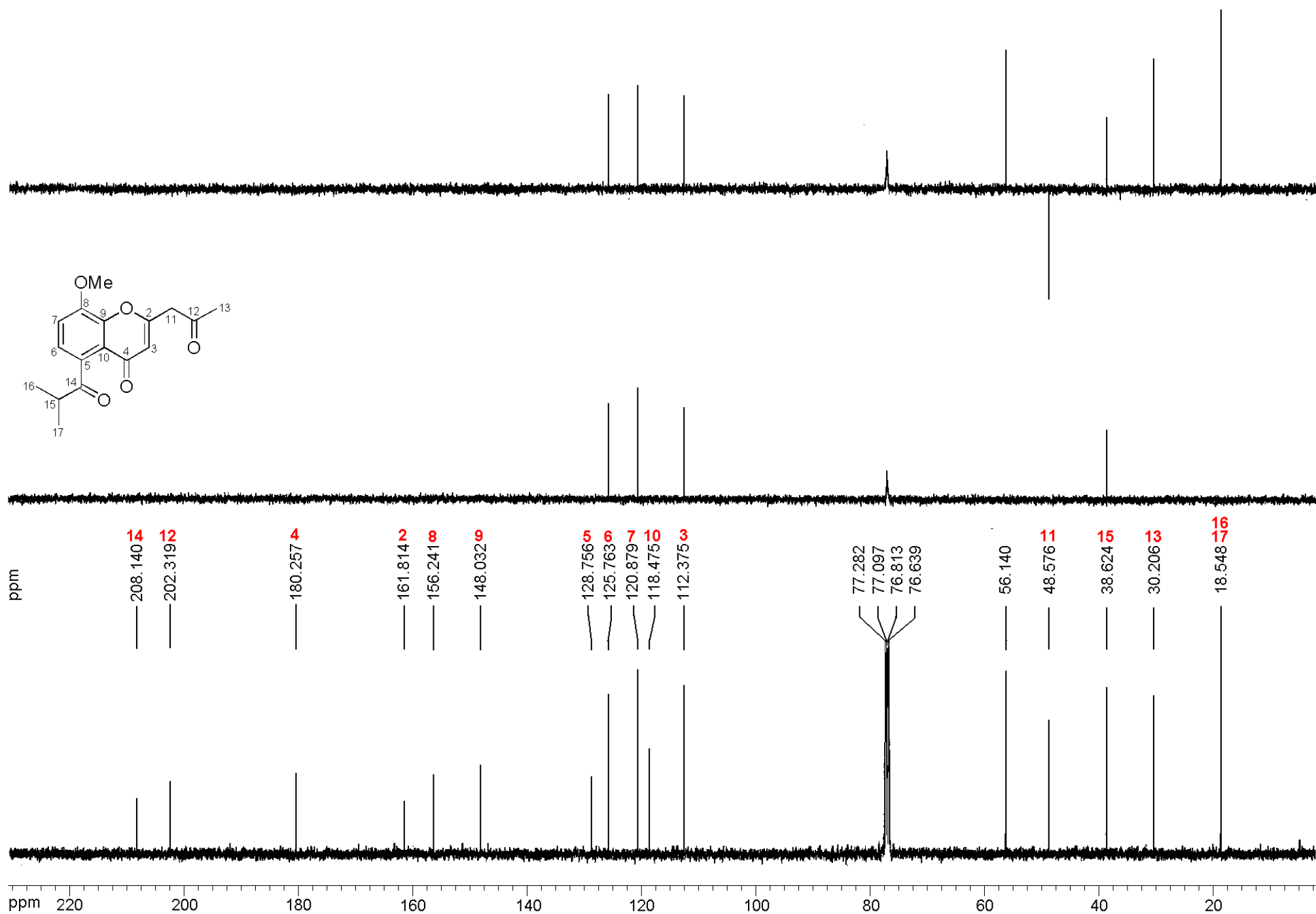


Figure S8 <sup>1</sup>H NMR spectrum of 5-(isobutyryl)-2-(2-oxopropyl)-8-methoxy-4*H*-chromen-4-one (3)

