

*Supporting information*

**THREE NEW ARYLBENZOFURAN LIGNANS FROM *ARCTIUM LAPPA* AND THEIR ANTI-TOBACCO MOSAIC VIRUS ACTIVITY**

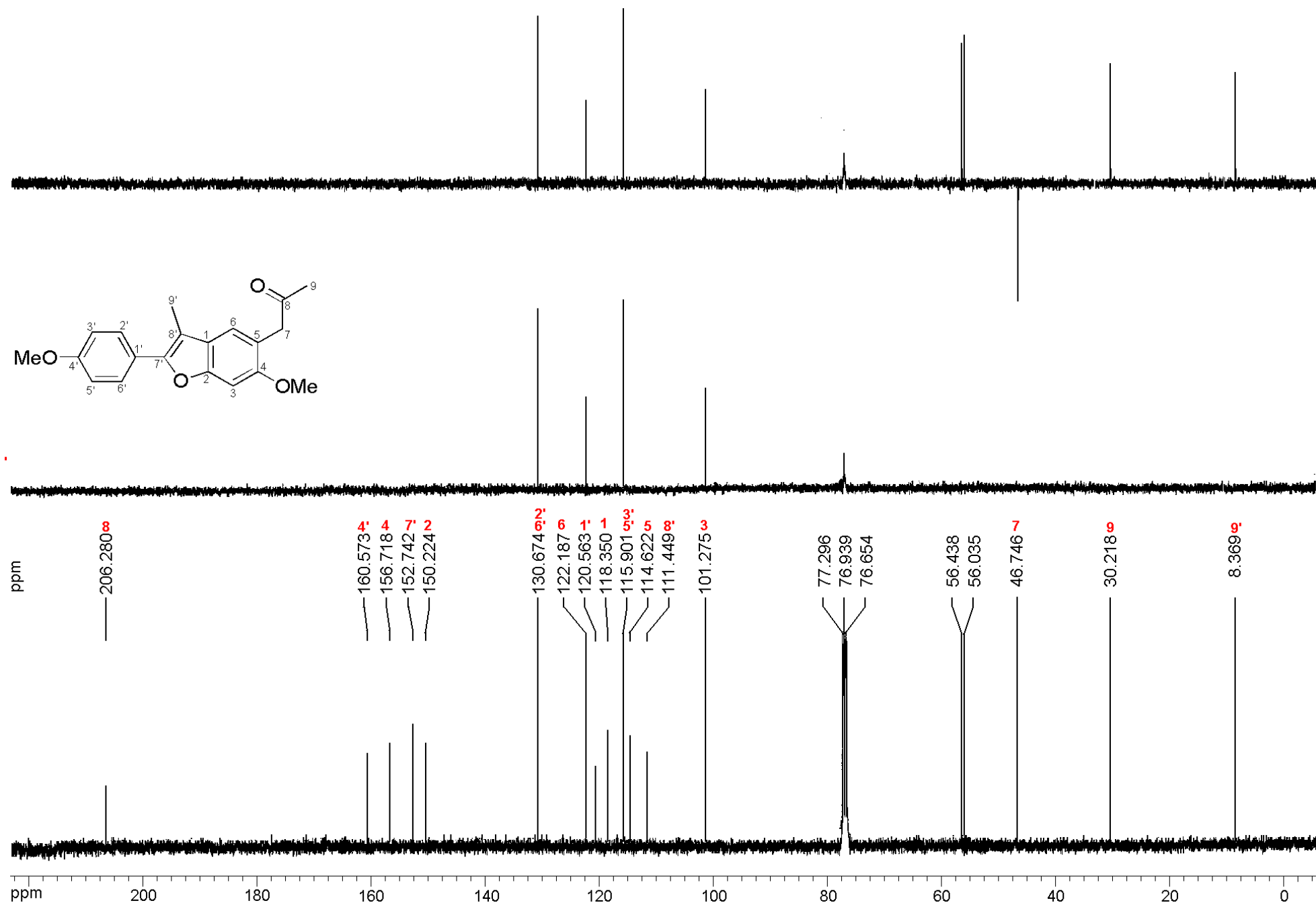
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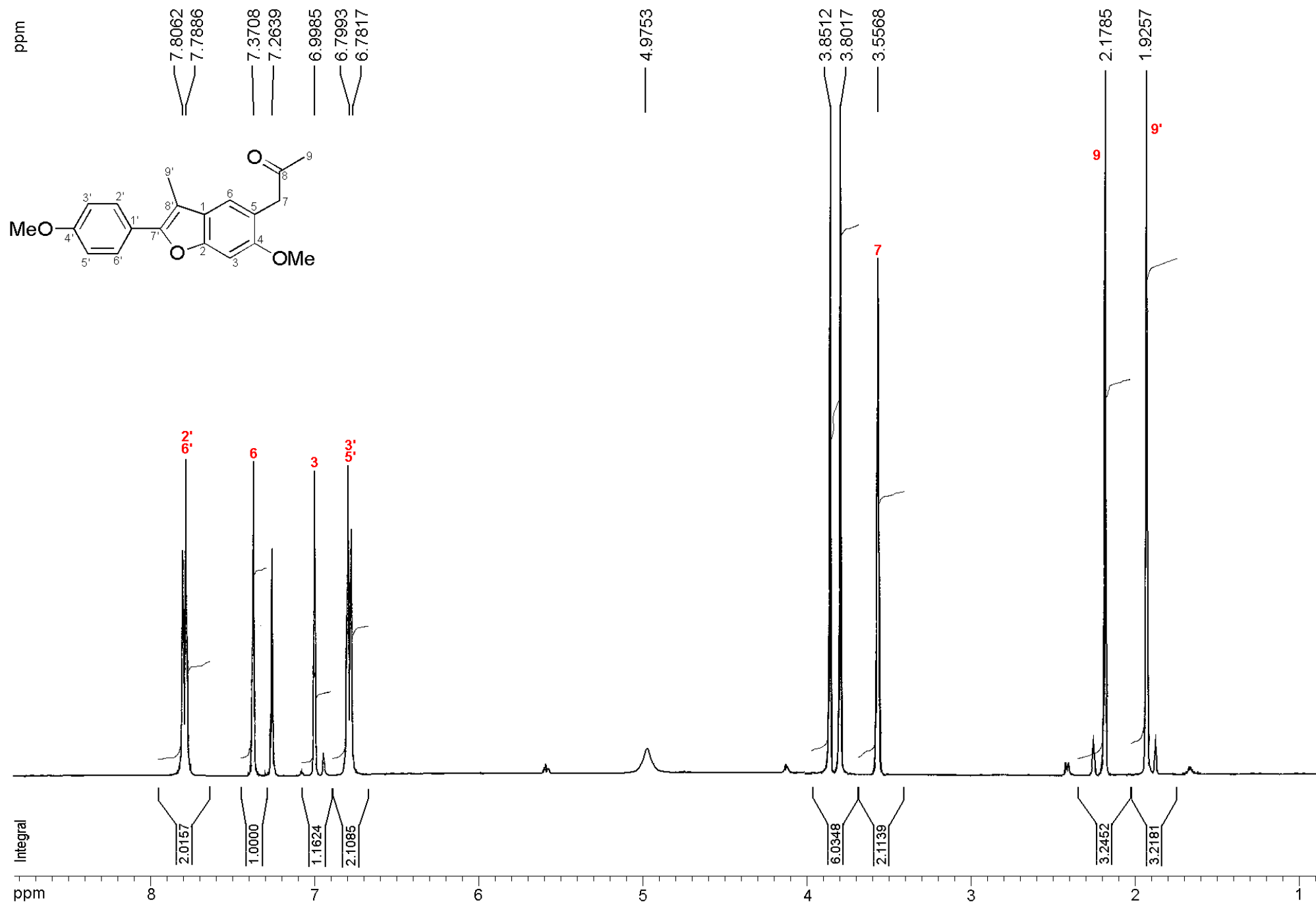
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Figure S1  $^{13}\text{C}$  NMR spectrum of 1-(6-methoxy-2-(4-methoxyphenyl)-3-methylbenzofuran-5-yl) propan-2-one (**1**)



**Figure S2** <sup>1</sup>H NMR spectrum of 1-(6-methoxy-2-(4-methoxyphenyl)-3-methylbenzofuran-5-yl) propan-2-one (**1**)



**Figure S3** HSQC NMR spectrum of 1-(6-methoxy-2-(4-methoxyphenyl)-3-methylbenzofuran-5-yl) propan-2-one (**1**)

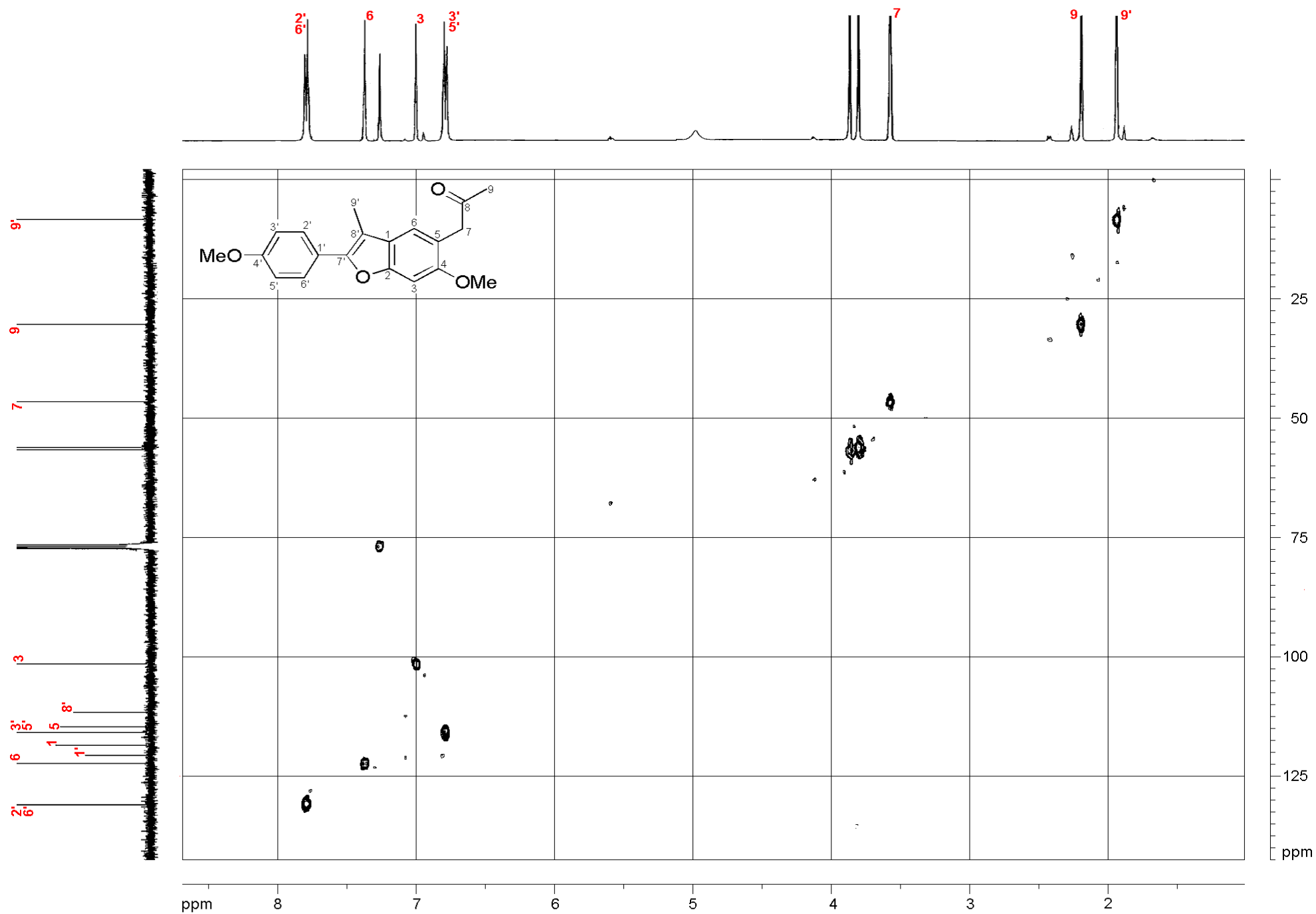


Figure S4 HMBC NMR spectrum of 1-(6-methoxy-2-(4-methoxyphenyl)-3-methylbenzofuran-5-yl) propan-2-one (1)

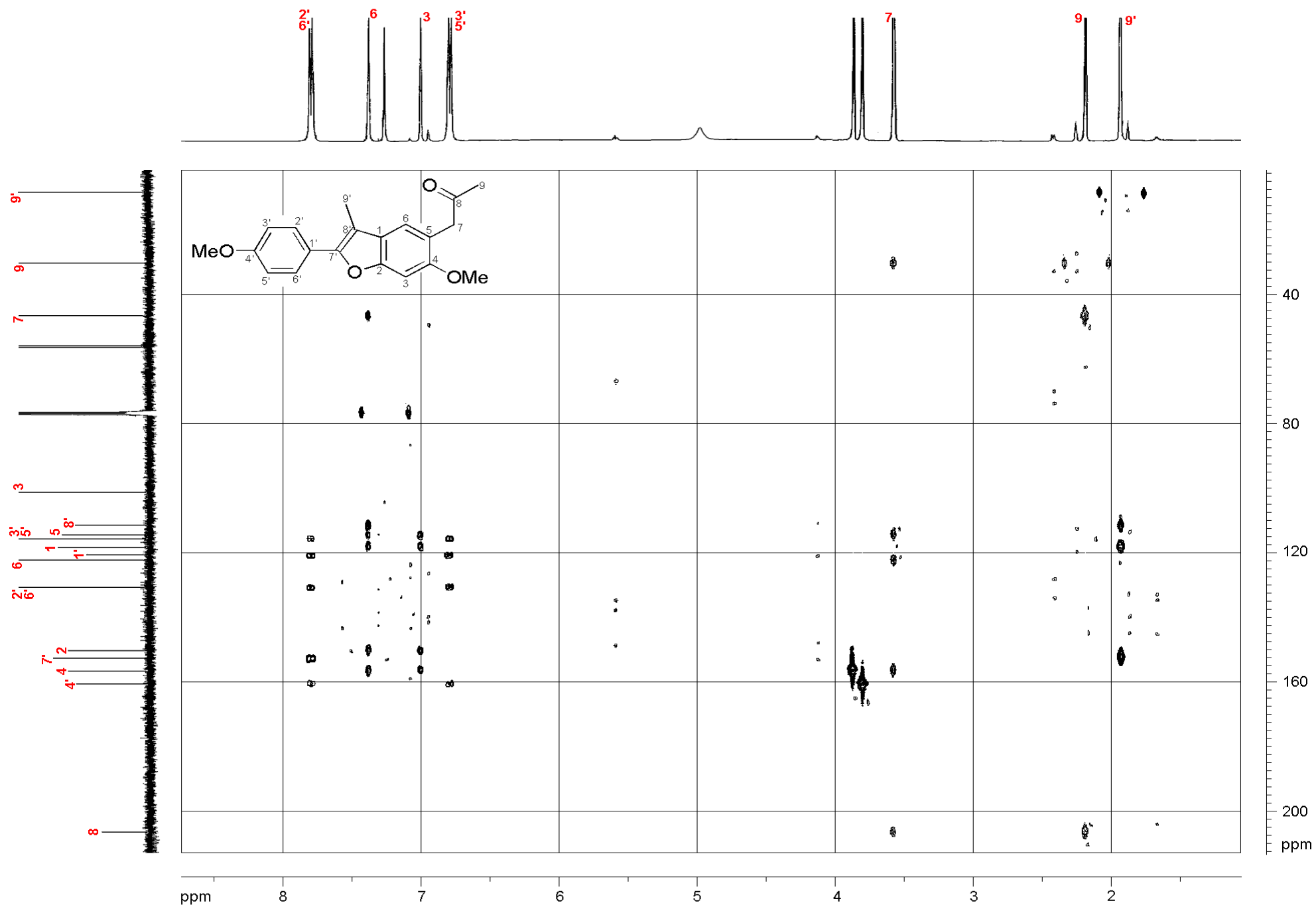
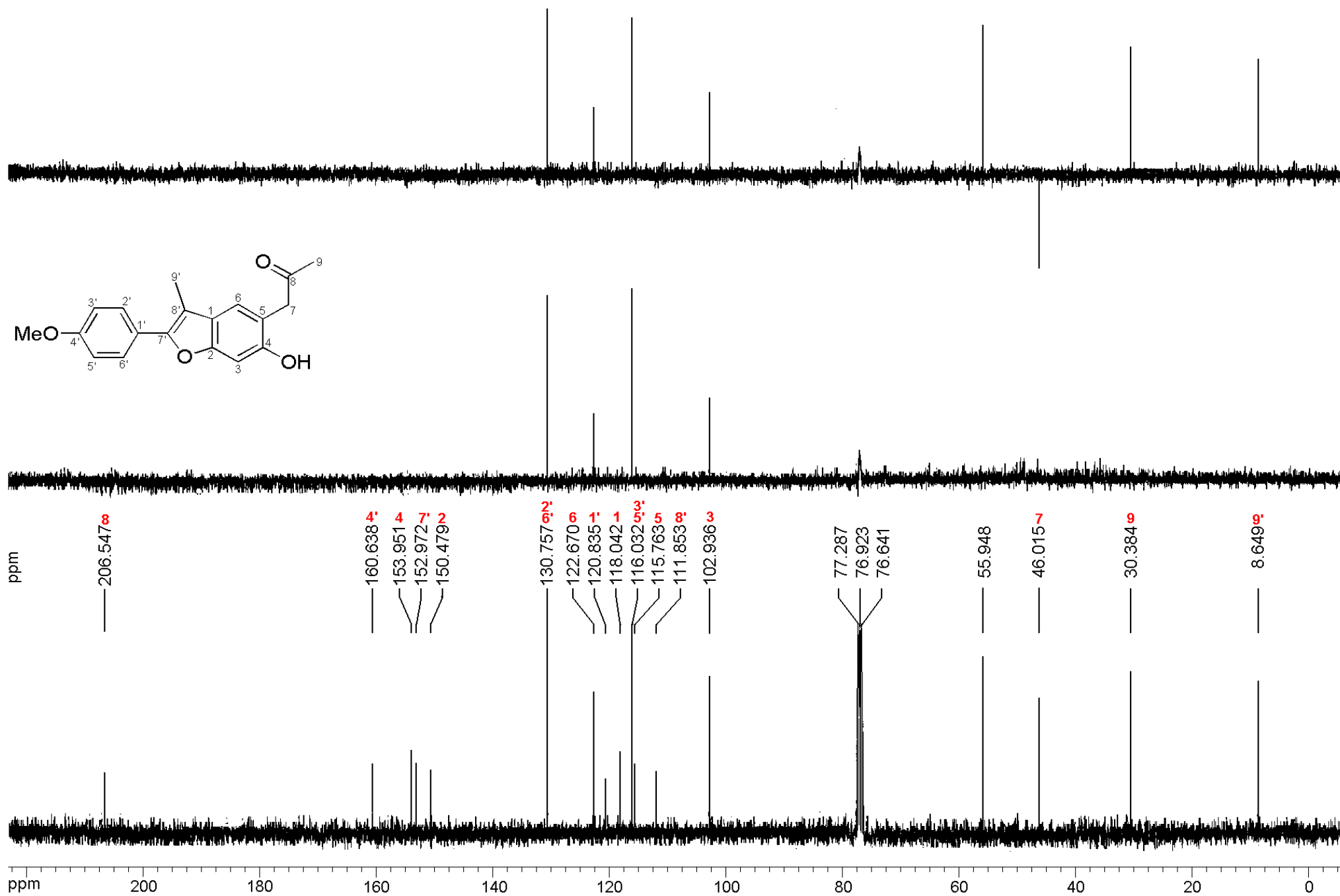


Figure S5  $^{13}\text{C}$  NMR spectrum of 1-(6-hydroxy-2-(4-methoxyphenyl)-3-methylbenzofuran-5-yl)propan-2-one (2)



**Figure S6**  $^1\text{H}$  NMR spectrum of 1-(6-hydroxy-2-(4-methoxyphenyl)-3-methylbenzofuran-5-yl)propan-2-one (**2**)

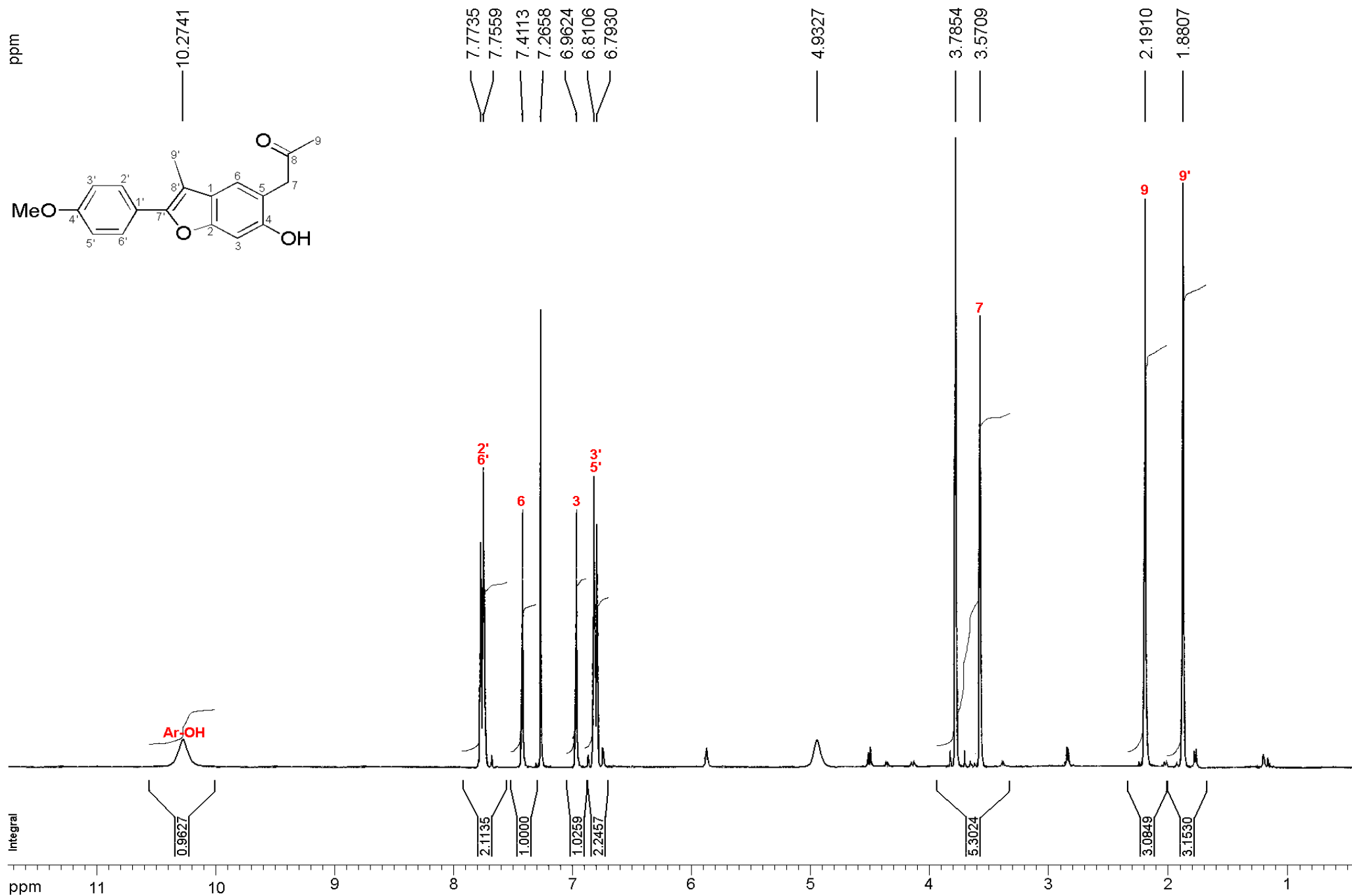




Figure S7 HSQC NMR spectrum of 1-(6-hydroxy-2-(4-methoxyphenyl)-3-methylbenzofuran-5-yl)propan-2-one (2)

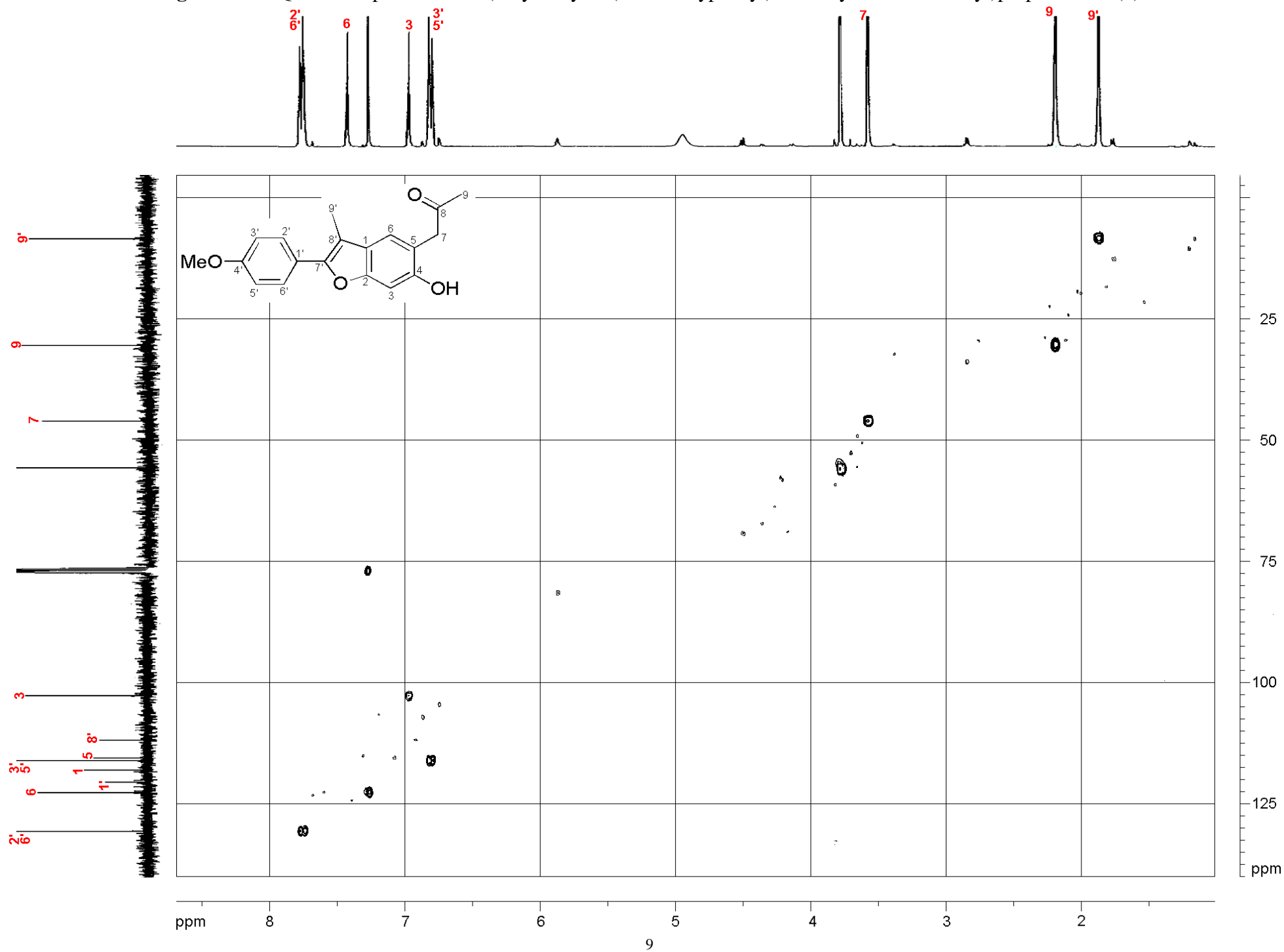


Figure S8 HMBC NMR spectrum of 1-(6-hydroxy-2-(4-methoxyphenyl)-3-methylbenzofuran-5-yl)propan-2-one (2)

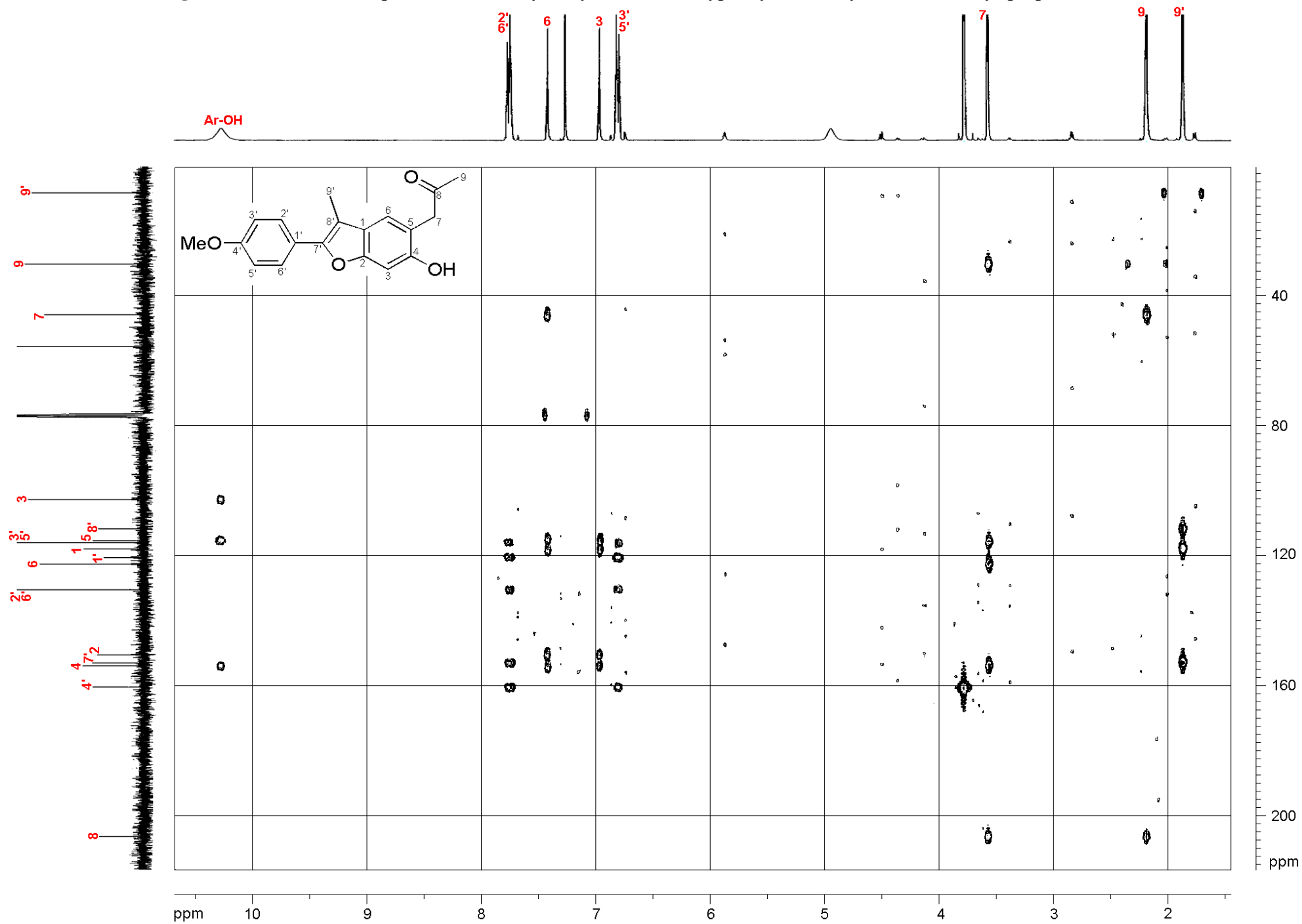
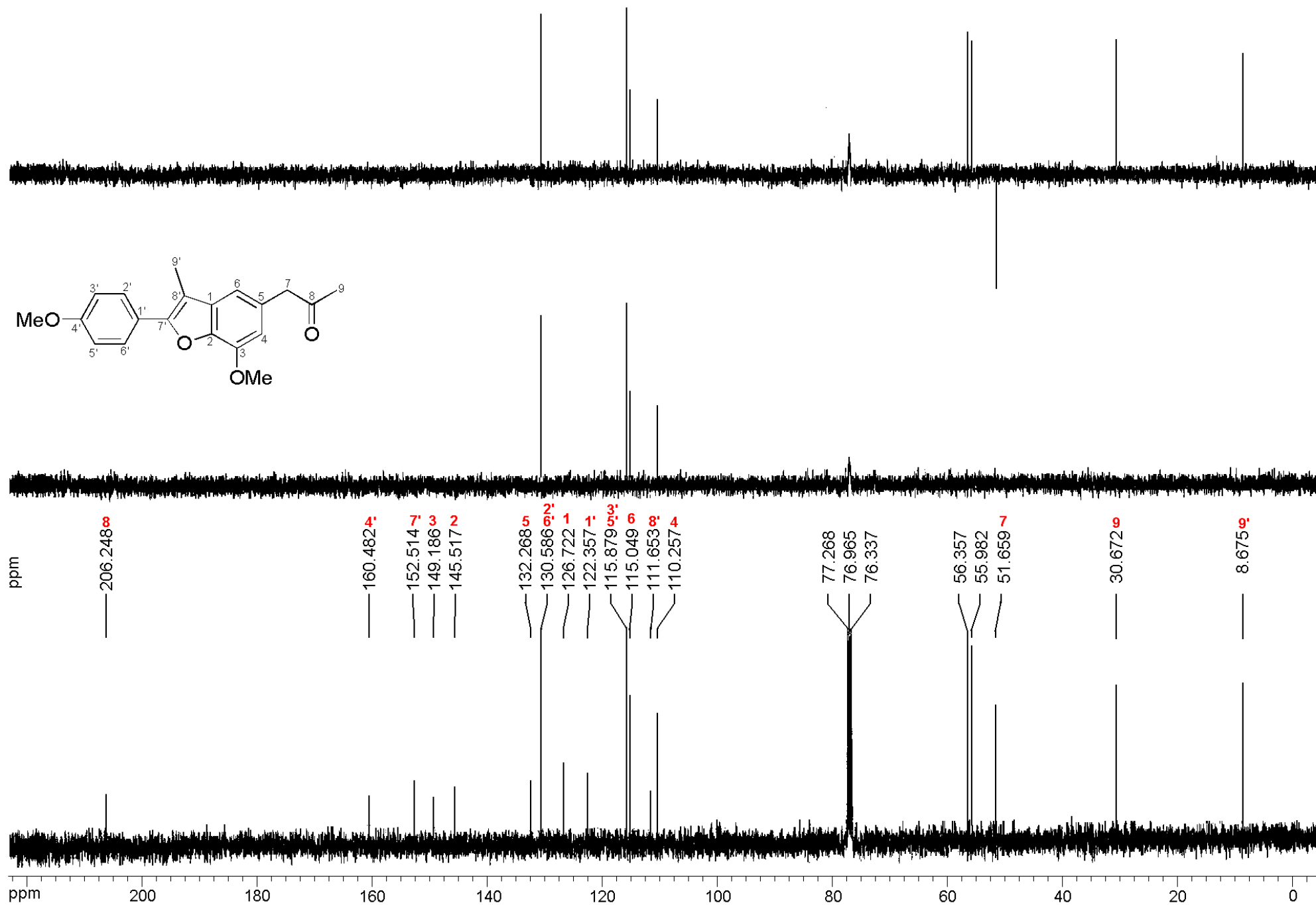


Figure S9  $^{13}\text{C}$  NMR spectrum of 1-(7-methoxy-2-(4-methoxyphenyl)-3-methylbenzofuran-5-yl)propan-2-one (3)



**Figure S10**  $^1\text{H}$  NMR spectrum of 1-(7-methoxy-2-(4-methoxyphenyl)-3-methylbenzofuran-5-yl)propan-2-one (**3**)

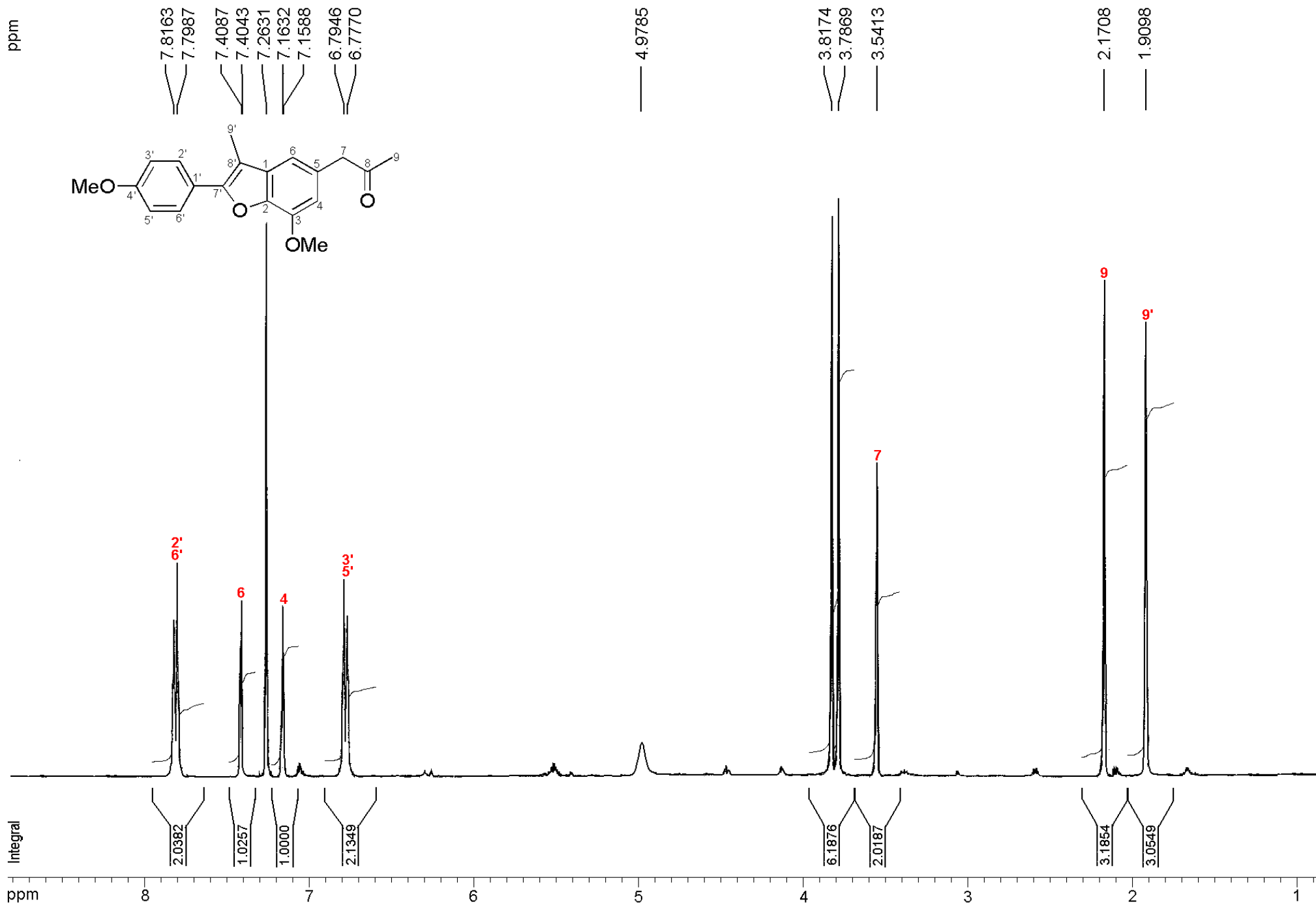


Figure S11 HSQC NMR spectrum of 1-(7-methoxy-2-(4-ethoxyphenyl)-3-methylbenzofuran-5-yl)propan-2-one (**3**)

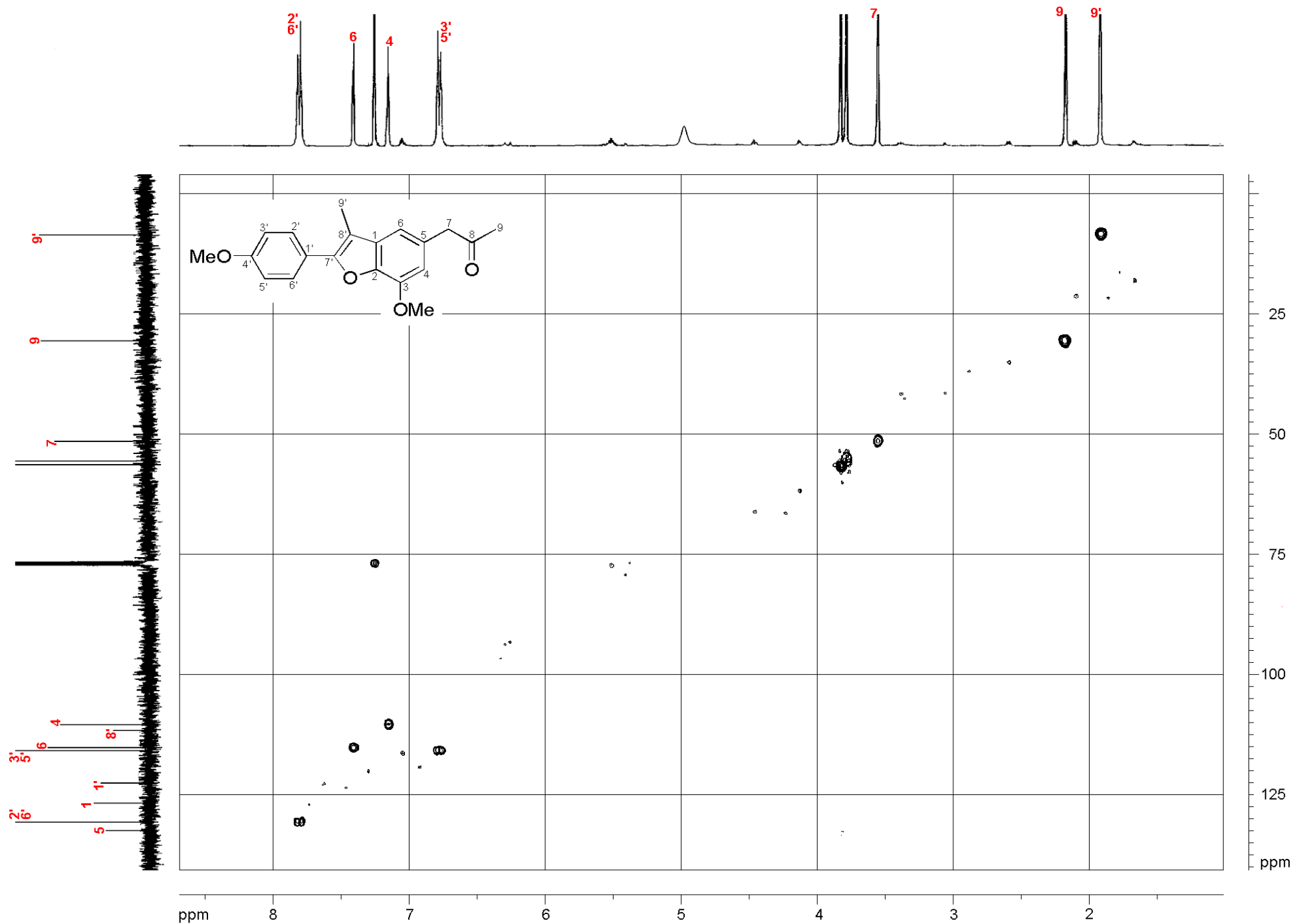


Figure S12 HMBC NMR spectrum of 1-(7-methoxy-2-(4-methoxyphenyl)-3-methylbenzofuran-5-yl)propan-2-one (**3**)

