

## ***Supporting Information***

### **THREE NEW ISOFLAVONES FROM THE ROOT OF *PUERARIA LOBATA* AND THEIR BIOACTIVITIES**

Feng-Mei Zhang,<sup>1,2</sup> Jing Li,<sup>2</sup> Qi-Li Mi,<sup>2</sup> Shi-Yun Tang,<sup>2</sup> Ye-Kun Yang,<sup>1,2</sup> Jian-Hua Chen,<sup>2</sup> Chun-Bo Liu,<sup>2</sup> Qinpeng Shen,<sup>2</sup> Zhi-Hua Liu,<sup>2</sup> Guang-Yu Yang,<sup>2</sup> Qiu-Fen Hu,<sup>2</sup> Zhong-Tao Ding,<sup>1,\*</sup> and Xue-Mei Li<sup>2,\*</sup>

<sup>1</sup> School of Chemical Science and Technology, Yunnan University, Kunming 650091, P.R. China. <sup>2</sup> Key Laboratory of Tobacco Chemistry of Yunnan Province, China tobacco yunnan industrial Co., Ltd, Kunming 650231, P.R. China. E-mail: jszxtg\_2015@163.com

## Contents of Supporting Information

No.	Contents:	Pages:
Figure S1-S4	<sup>13</sup> C NMR, <sup>1</sup> H NMR, HSQC, HMBC spectra of 4'-hydroxy-6-methoxy-7-methyl-isoflavone ( <b>1</b> )	3-6
Figure S5-S6	<sup>13</sup> C NMR and <sup>1</sup> H NMR spectra of 4',6-dihydroxy-7-methyl-isoflavone ( <b>2</b> )	7-8
Figure S7-S8	<sup>13</sup> C NMR and <sup>1</sup> H NMR spectra of 4'-hydroxy-7-hydroxymethyl-6- methoxy-isoflavone ( <b>3</b> )	9-10

Figure S1  $^{13}\text{C}$  NMR spectrum of 4'-hydroxy-6-methoxy-7-methyl-isoflavone (**1**)

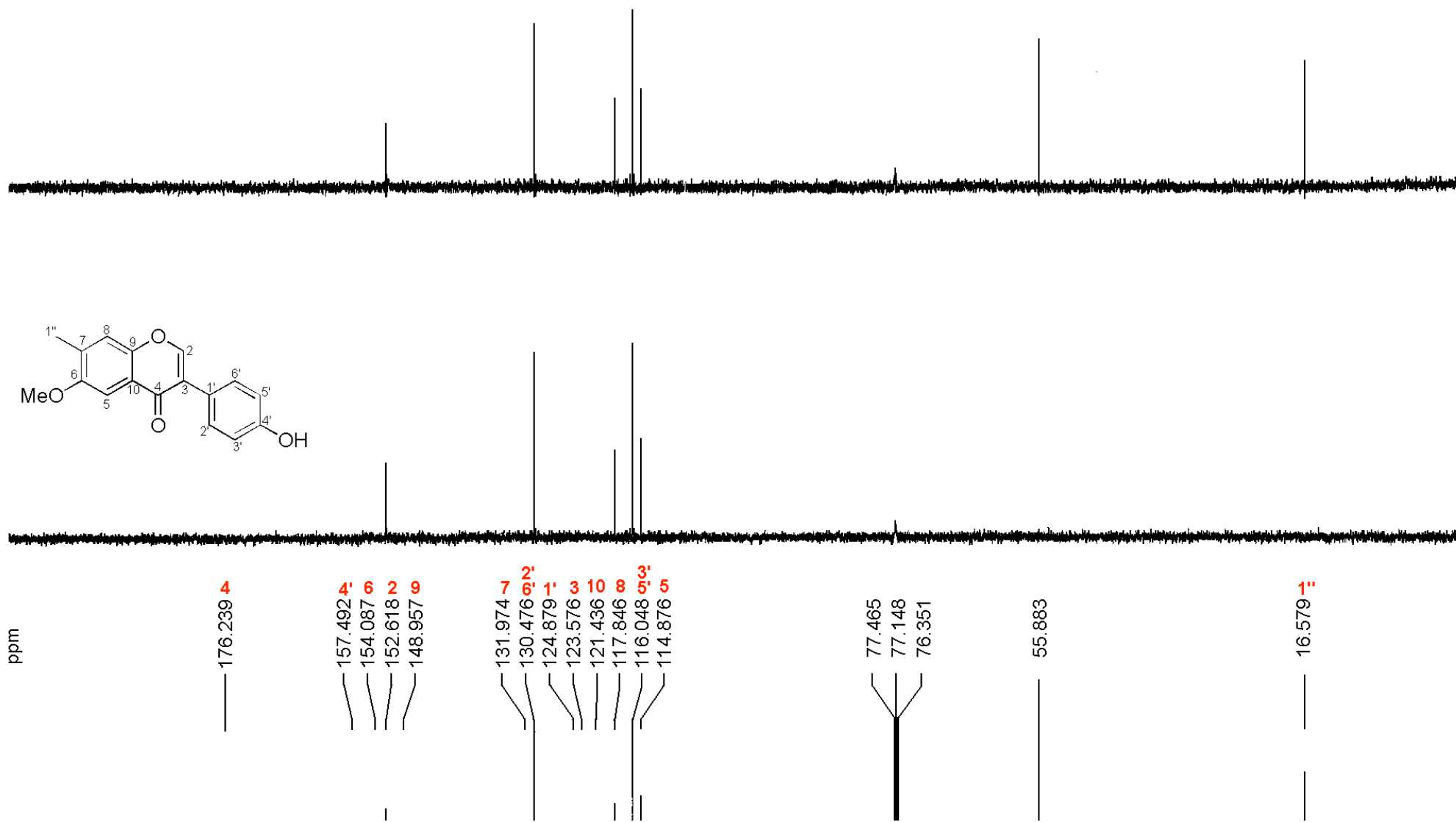


Figure S2  $^1\text{H}$  NMR spectrum of 4'-hydroxy-6-methoxy-7-methyl-isoflavone (**1**)

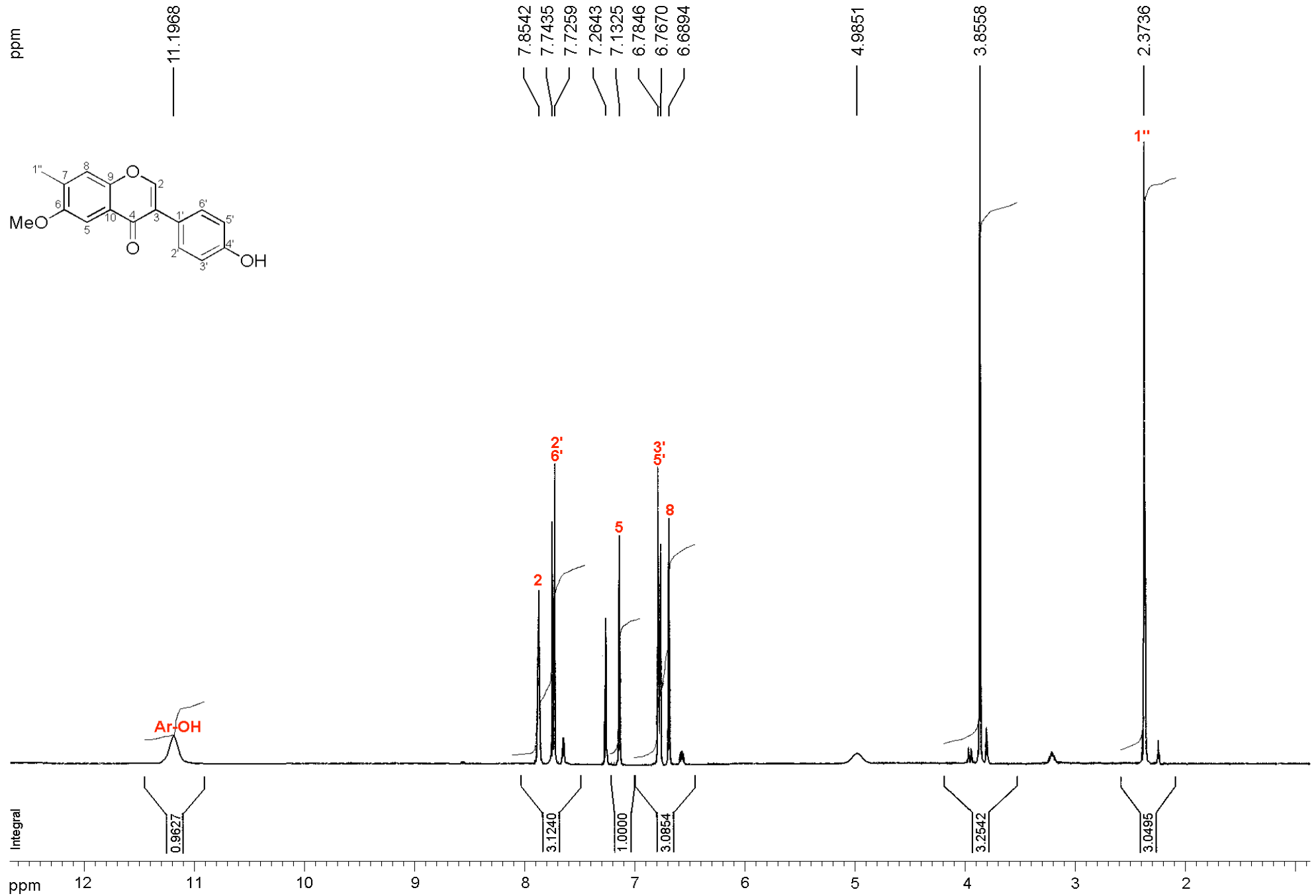


Figure S3 HSQC spectrum of 4'-hydroxy-6-methoxy-7-methyl-isoflavone (1)

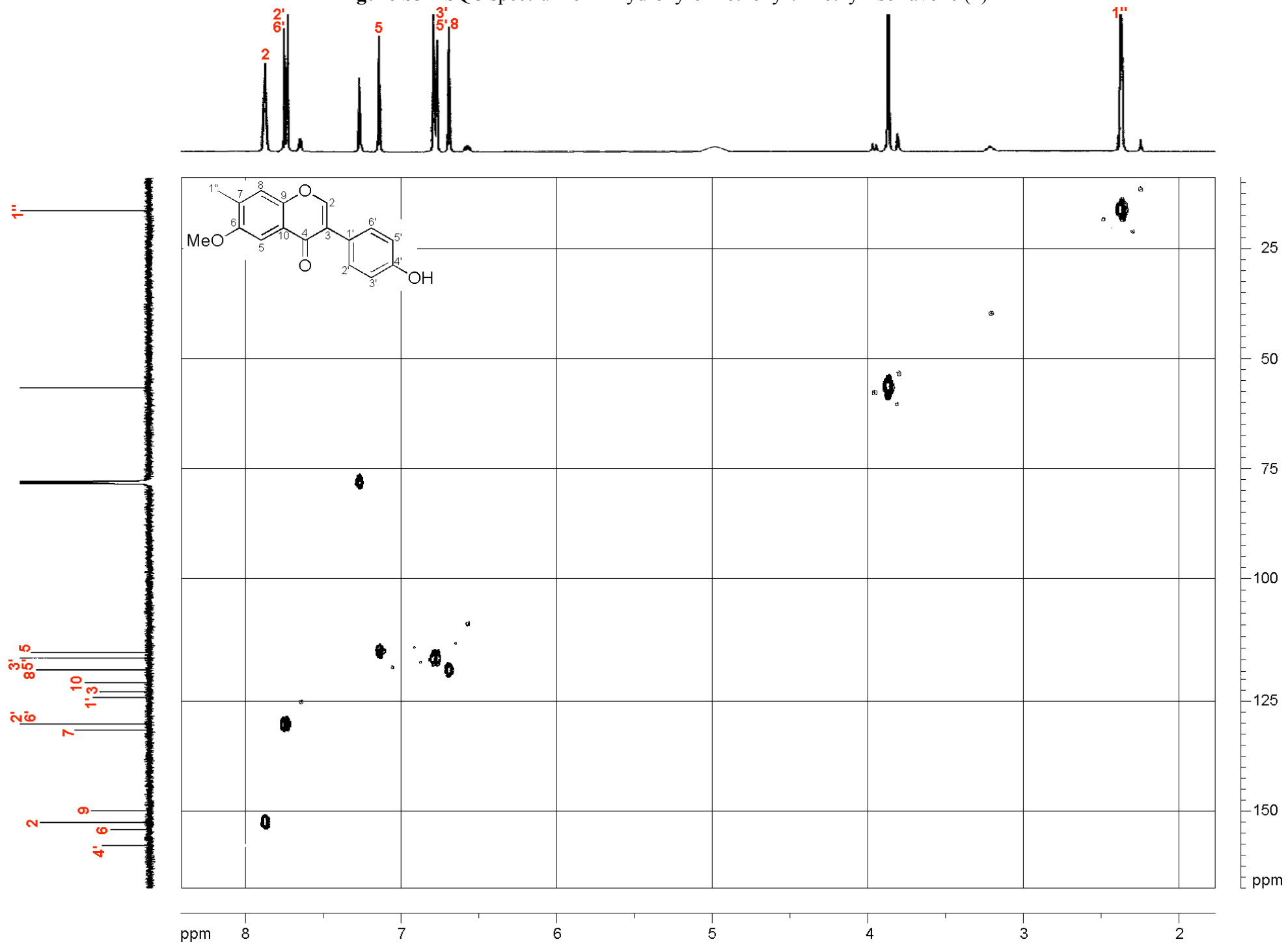


Figure S4 HMBC spectrum of 4'-hydroxy-6-methoxy-7-methyl-isoflavone (1)

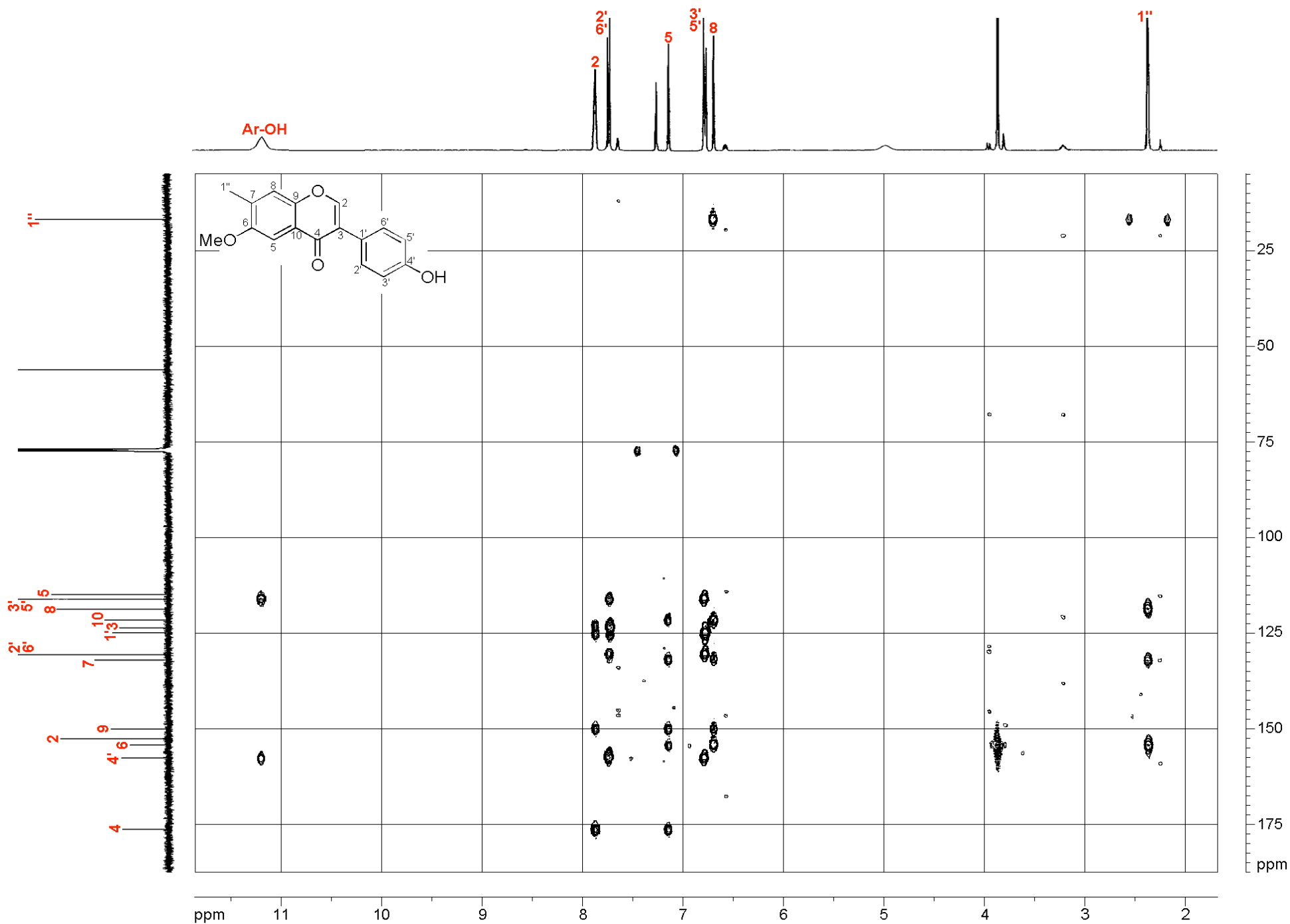


Figure S5  $^{13}\text{C}$  NMR spectrum of 4',6-dihydroxy-7-methyl-isoflavone (**2**)

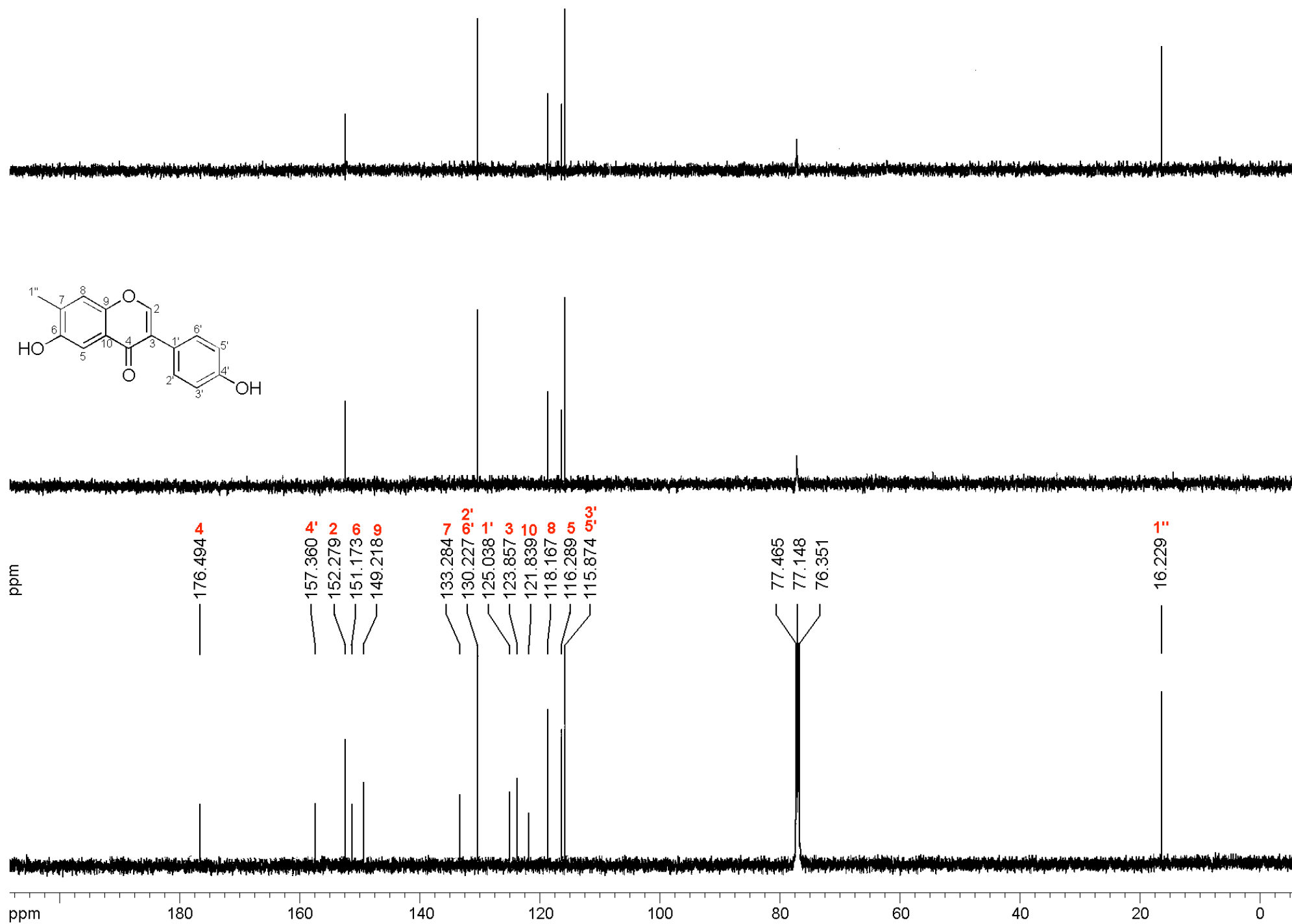


Figure S6 <sup>1</sup>H NMR spectrum of 4',6-dihydroxy-7-methyl-isoflavone (2)

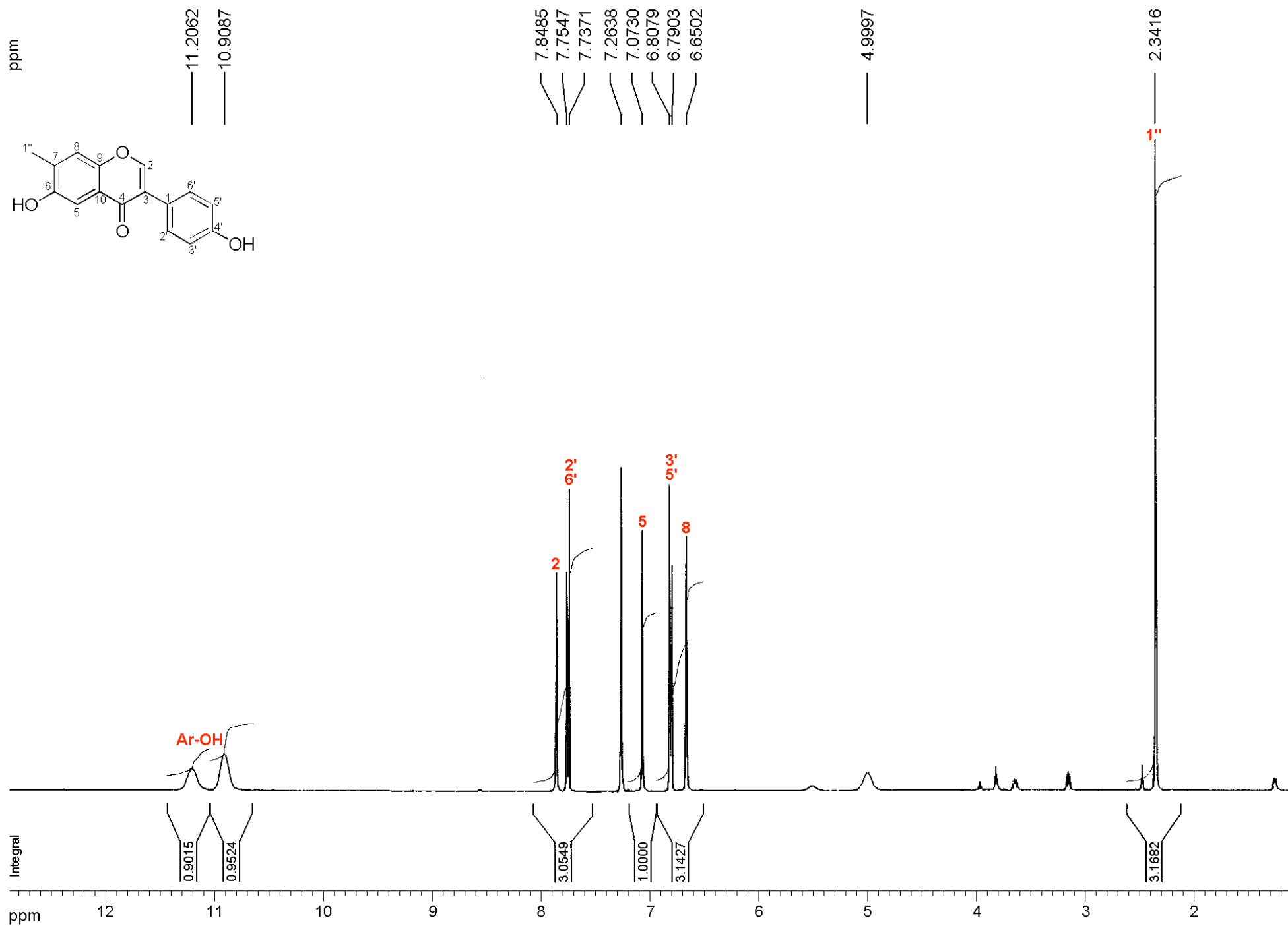


Figure S7  $^1\text{H}$  NMR spectrum of 4'-hydroxy-7-hydroxymethyl-6-methoxy-isoflavone (**3**)

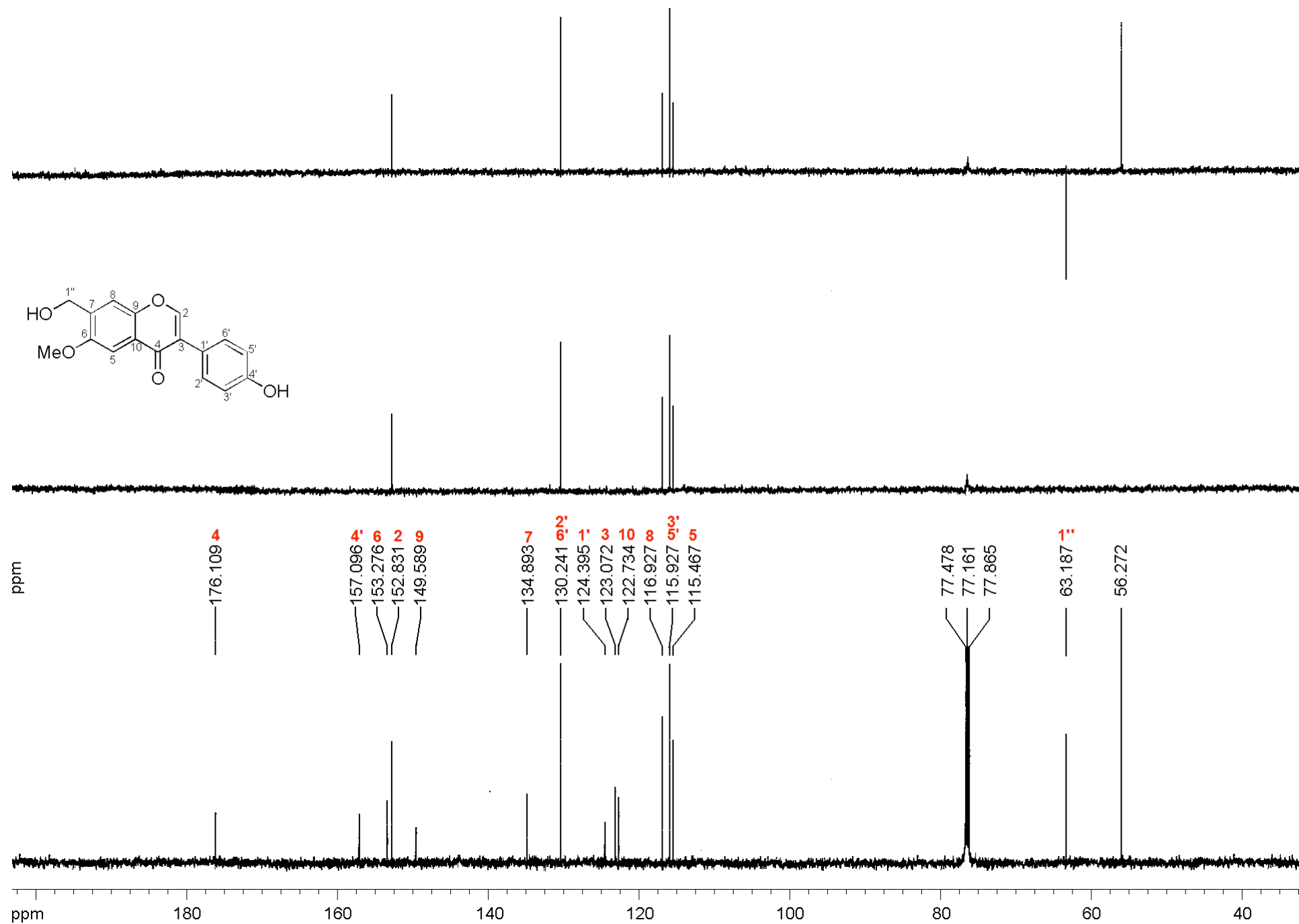


Figure S8  $^1\text{H}$  NMR spectrum of 4'-hydroxy-7-hydroxymethyl-6-methoxy-isoflavone (**3**)

