Synthesis and biological evaluation of 3-arylbenzofuranone derivatives as potential anti-Alzheimer's disease agents

Jie Yang, [†abcd] Yinling Yun, [†abcd] Yuhang Miao, [abcd] Jie Sun [*cde] and Xiaojing Wang [*cde]

[a] School of Medicine and Life Sciences, University of Jinan-Shandong Academy of Medical Sciences, Jinan 250200, Shandong, China

[b] Institute of MateriaMedica, Shandong Academy of Medical Sciences, Jinan 250062, Shandong, China

[c] Key Laboratory for Biotech-Drugs Ministry of Health, Jinan 250062, Shandong, China

[d] Key Laboratory for Rare & Uncommon Diseases of Shandong Province, Jinan 250062, Shandong, China
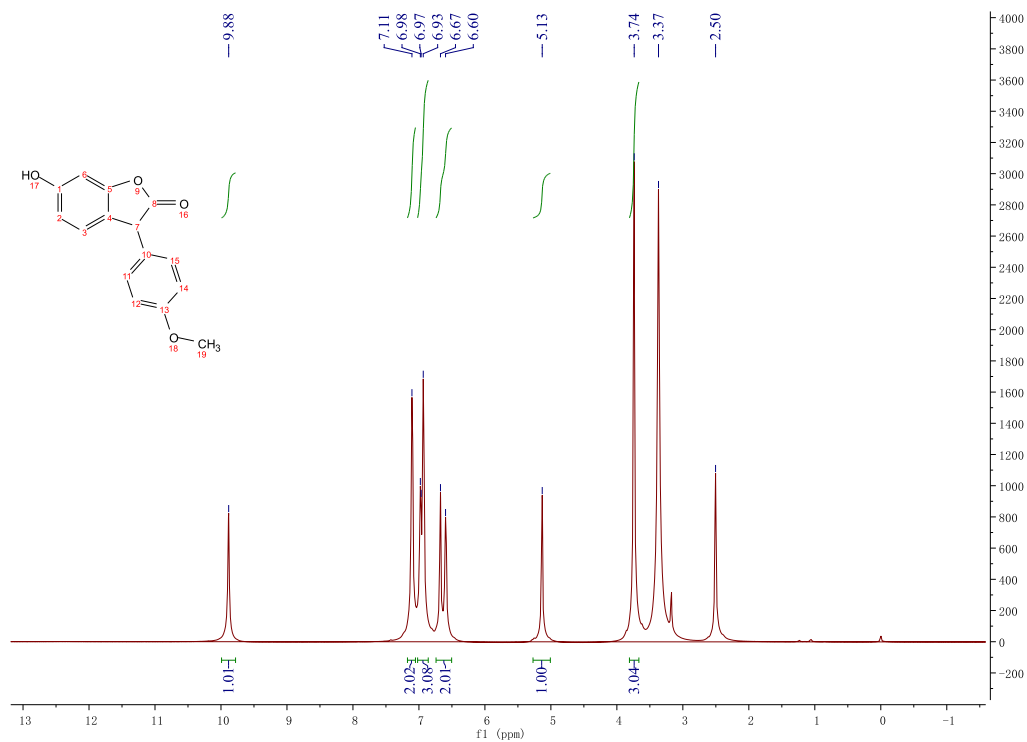
[e] Institute of Materia Medica, Shandong First Medical University ＆ Shandong Academy of Medical Sciences

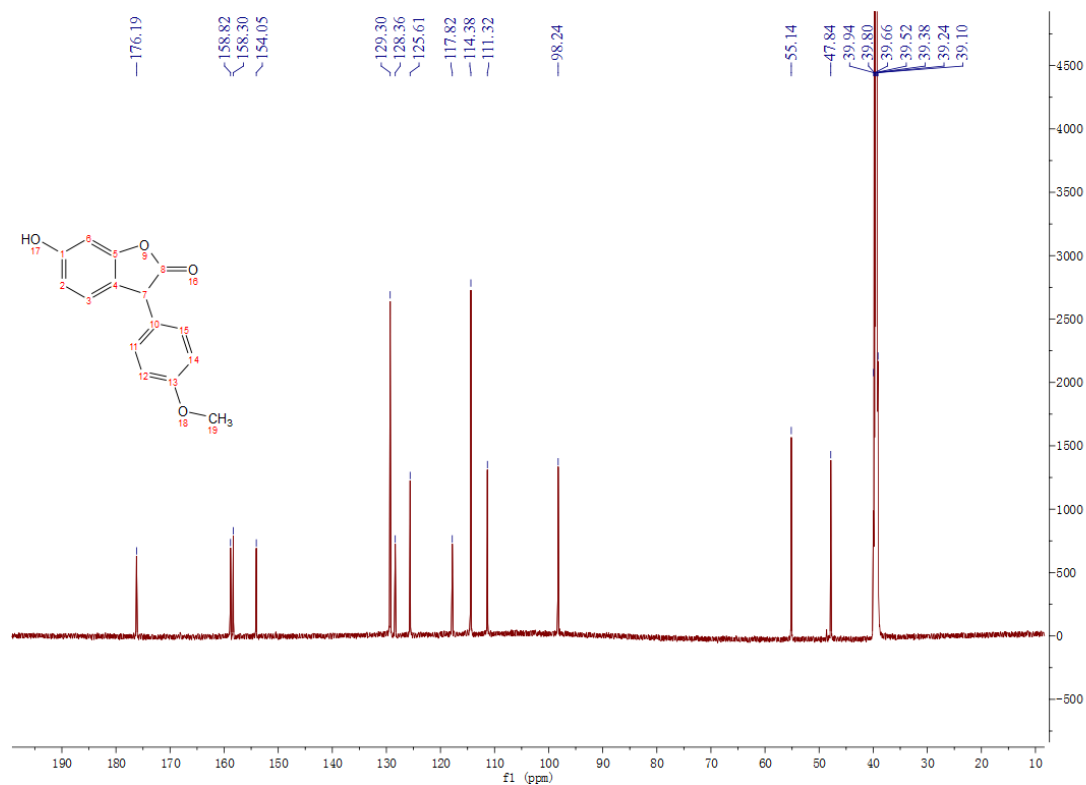＊ Correspondence: sunjie310@126.com (J.S.); xiaojing6@gmail.com (X.J.W.).

† These authors contributed equally to this work.

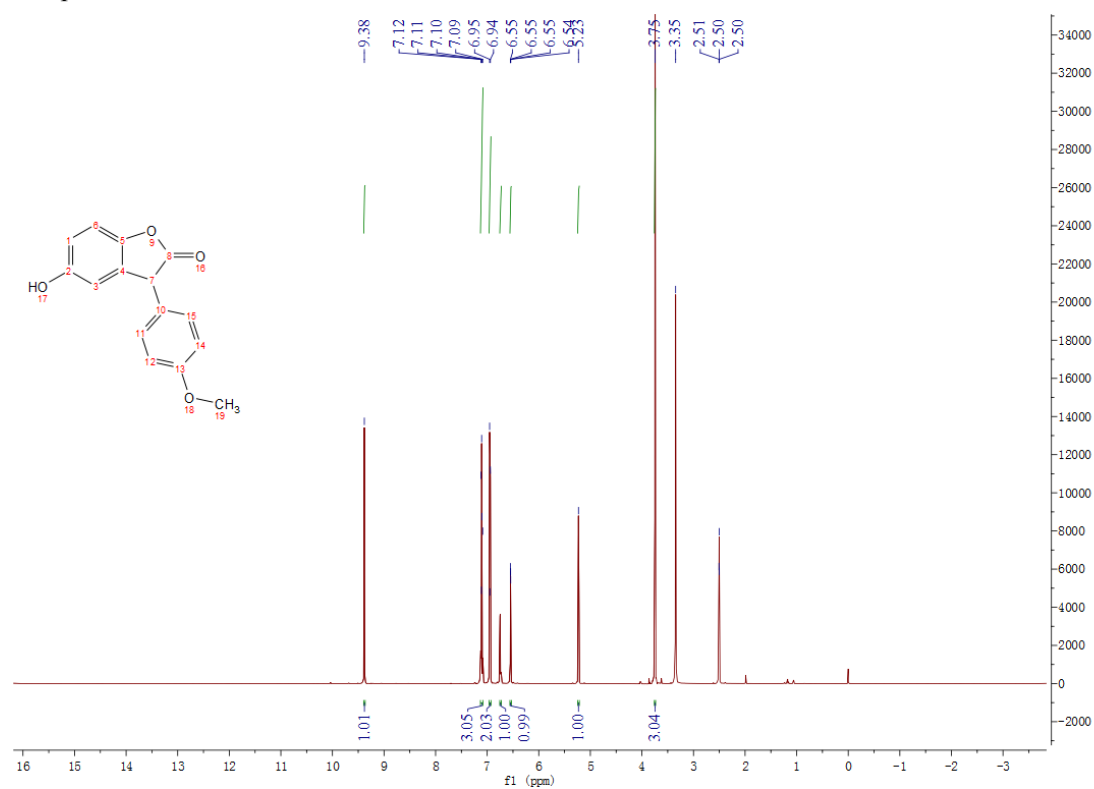^{1}H NMR (600 MHz, DMSO-d_6) and ^{13}C NMR (151 MHz, DMSO-d_6) of compounds **1-23**.
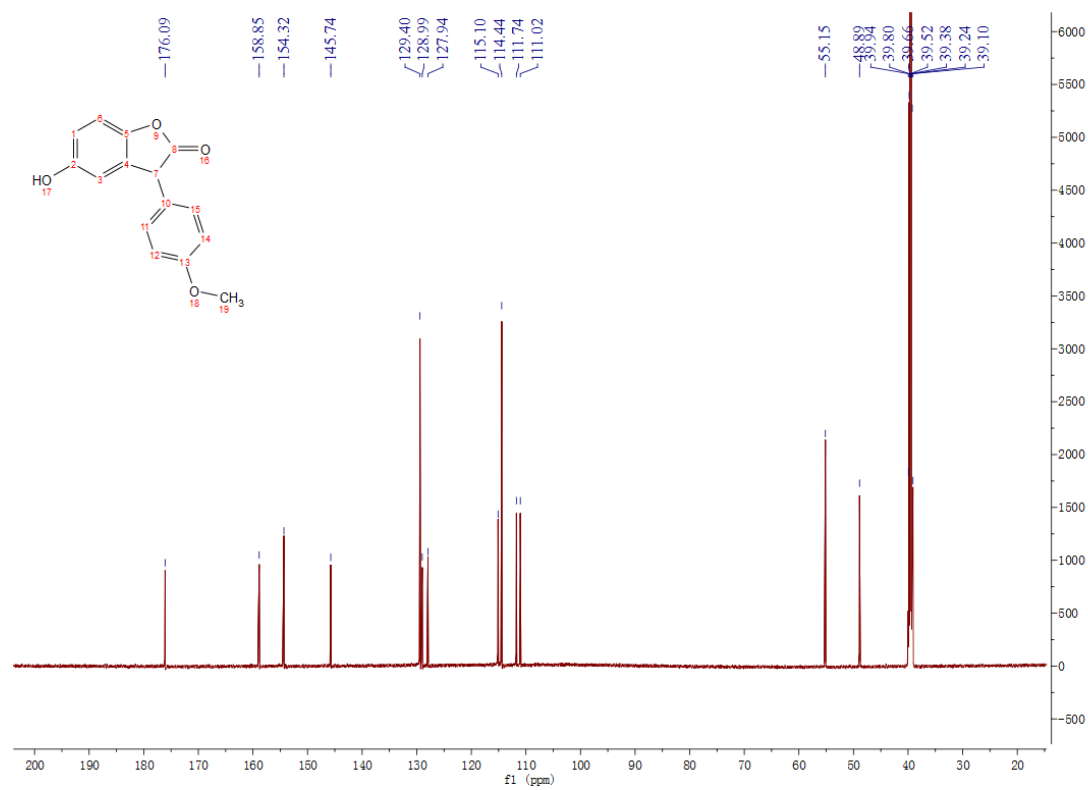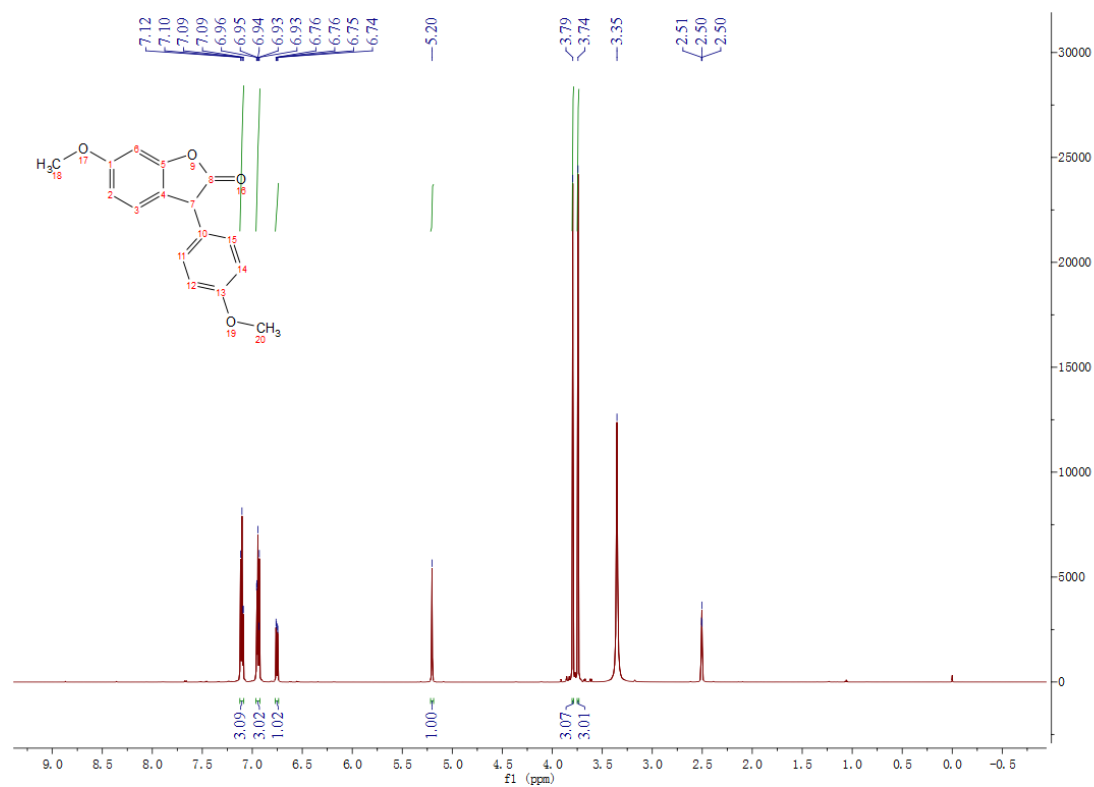
compound **1** ^{1}HNMR

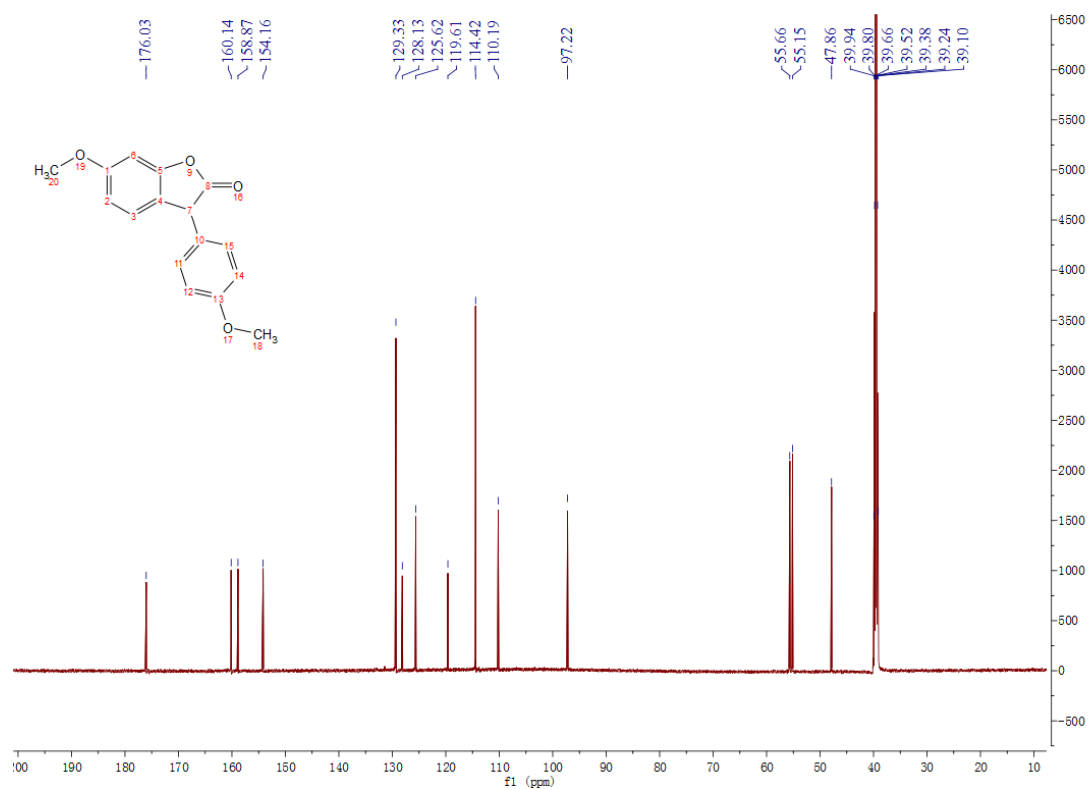compound **1** ^{13}CNMR
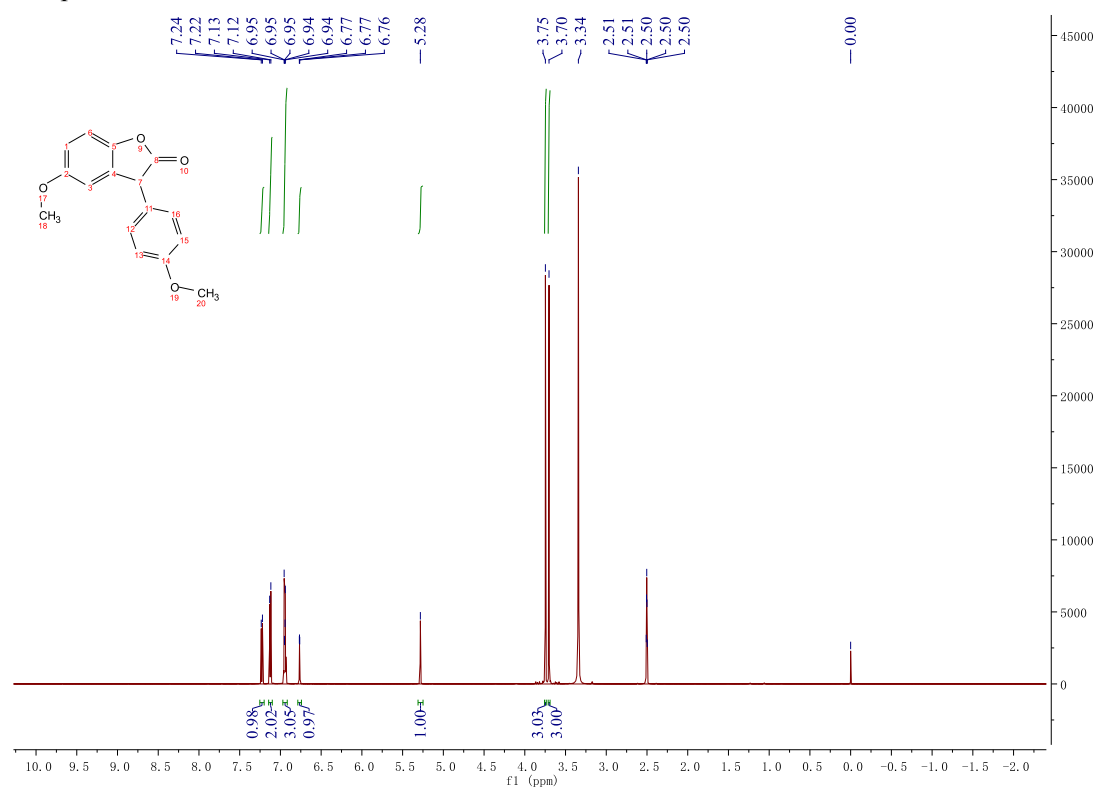
compound **2** ¹HNMR

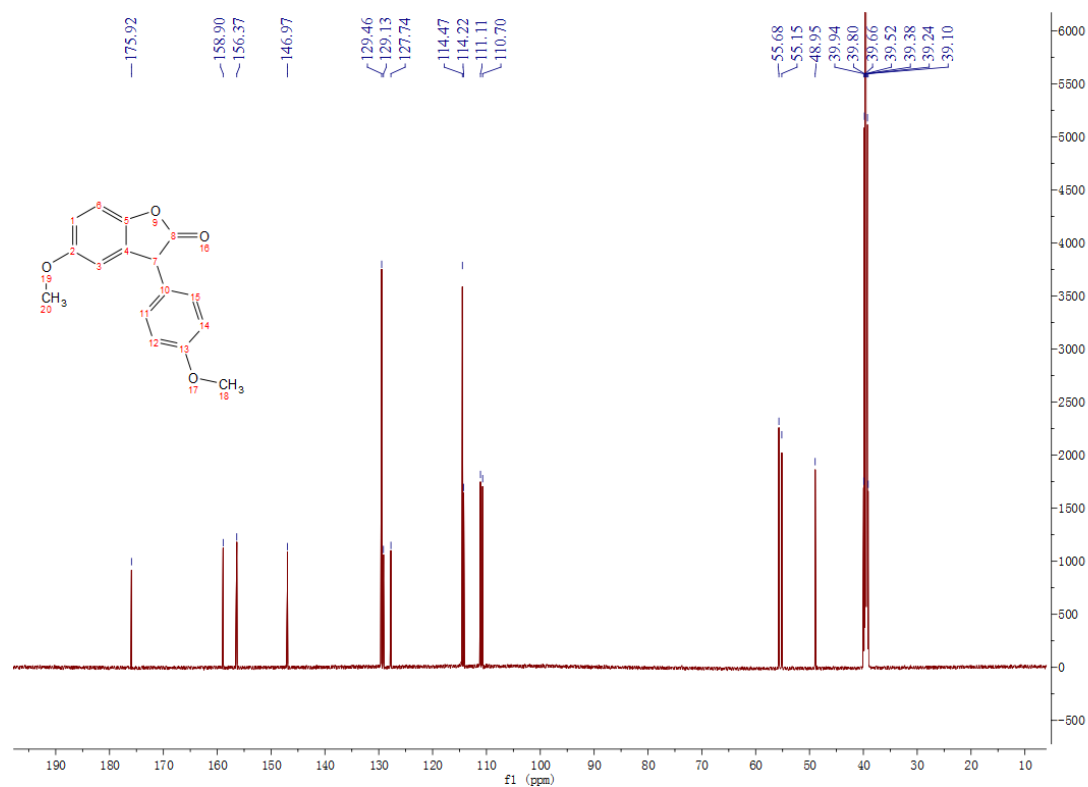compound **2** ¹³CNMR
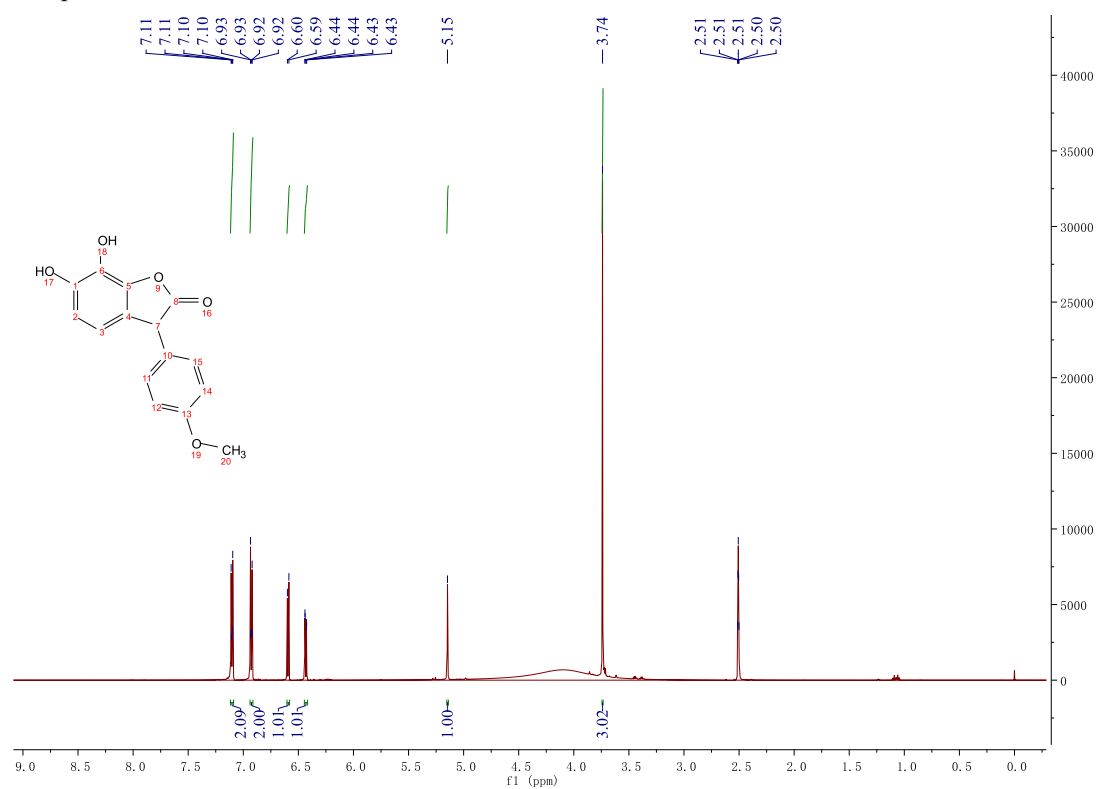
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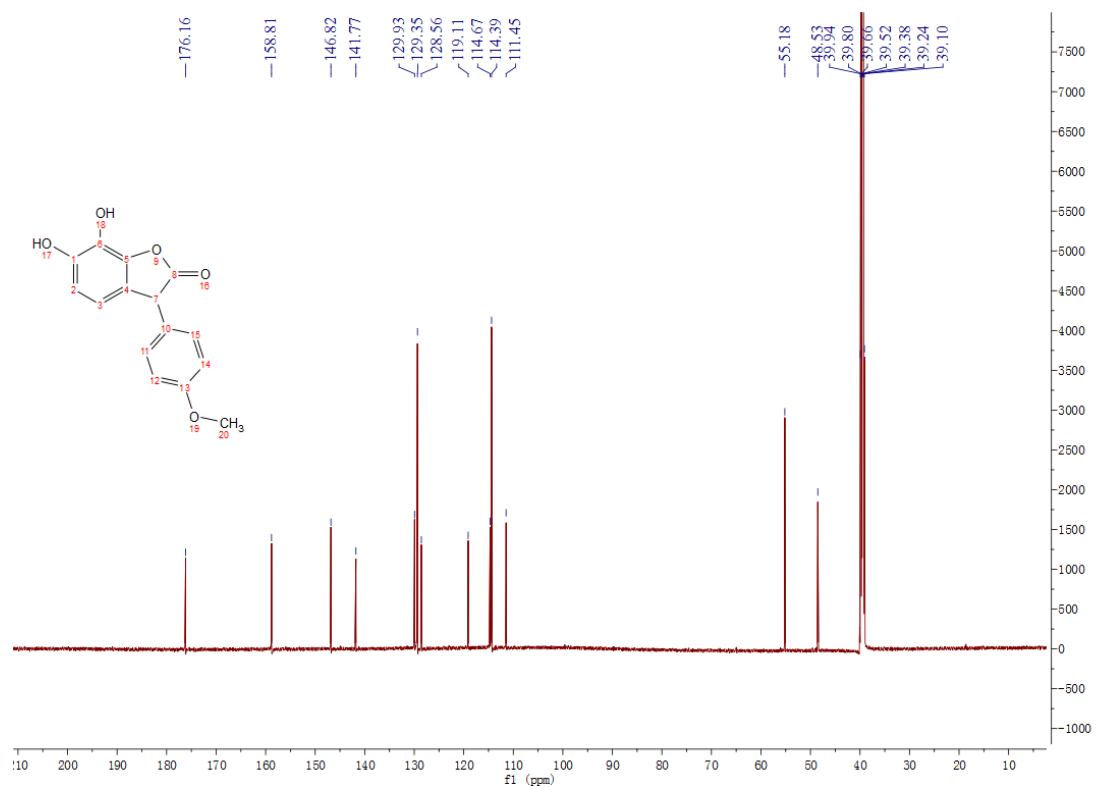

compound **3** ^{13}CNMR
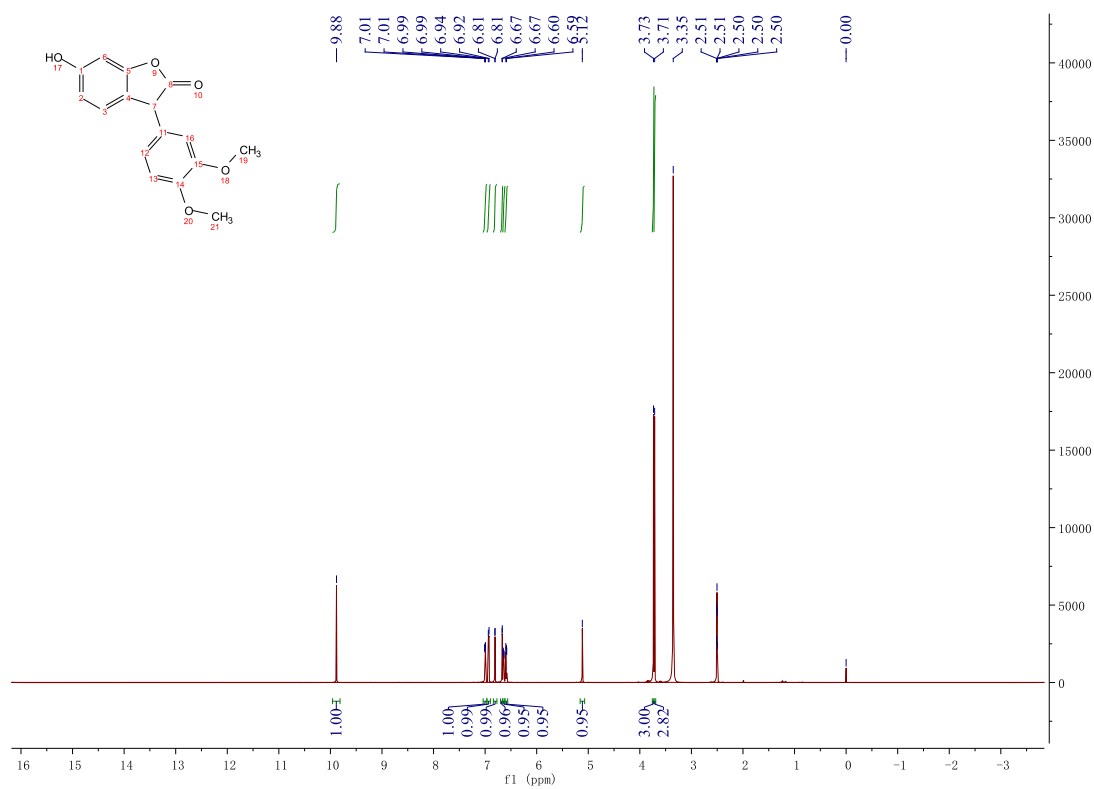
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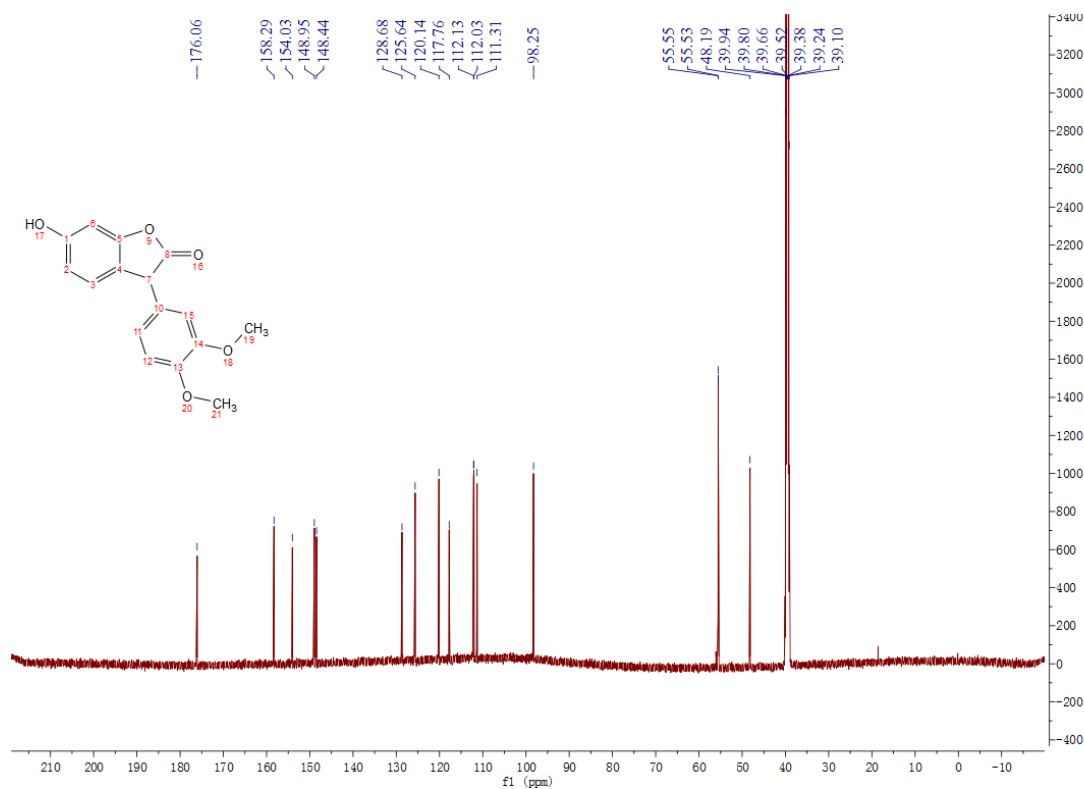

compound **4** ^{13}CNMR
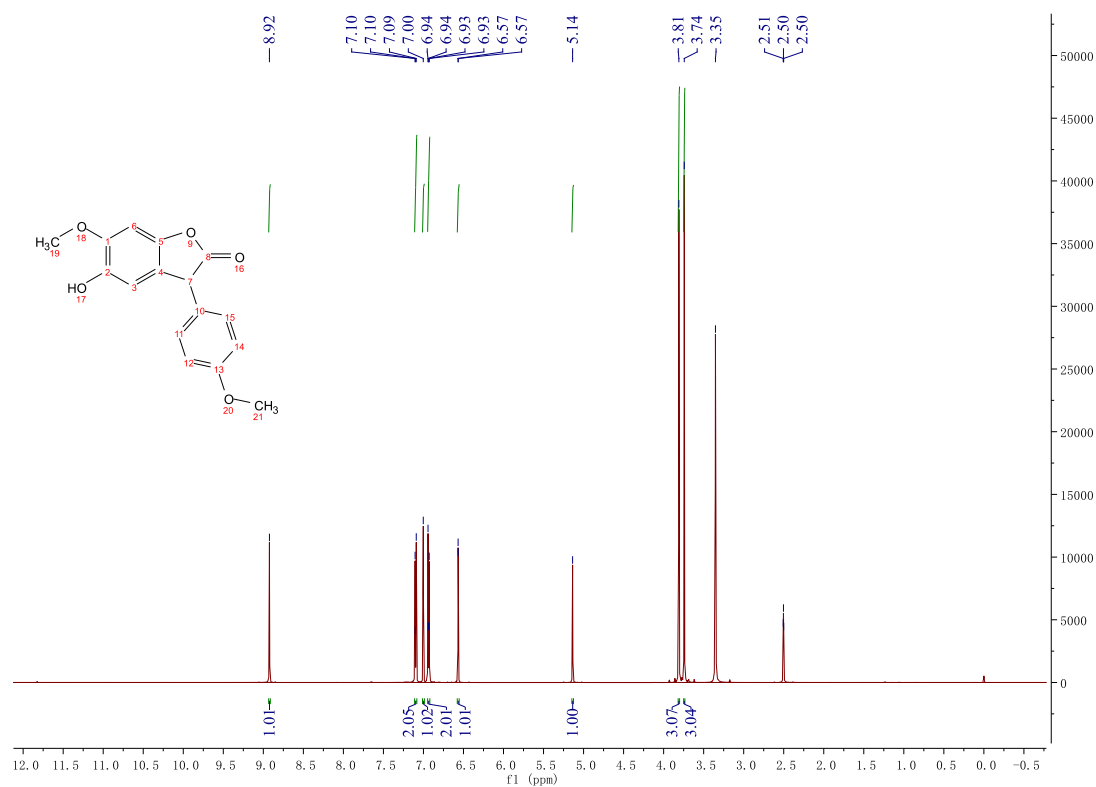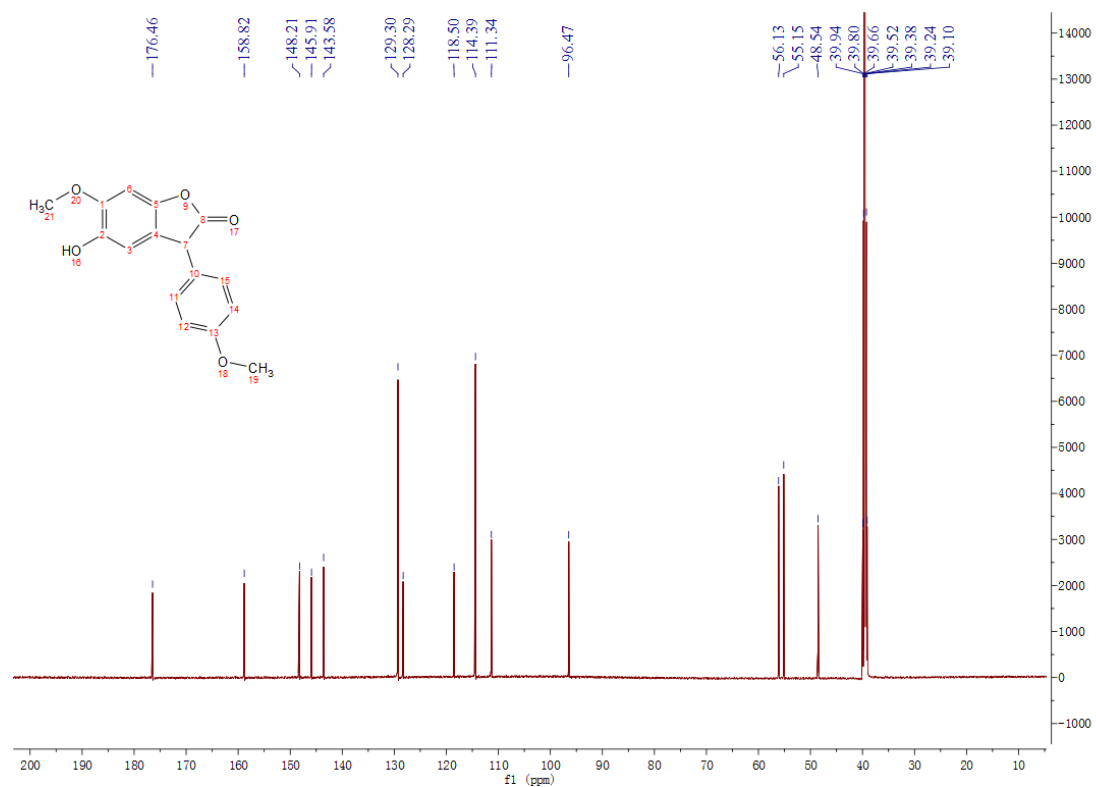
compound **5** ¹HNMR

compound **5** ¹³CNMR
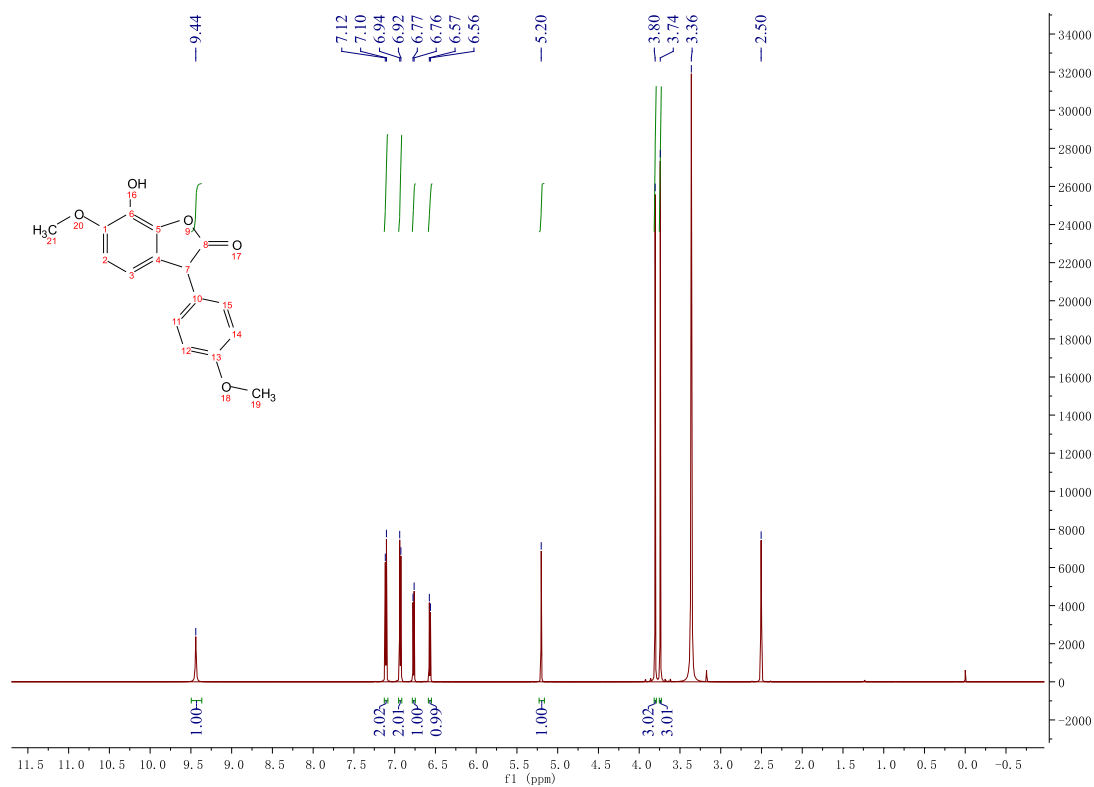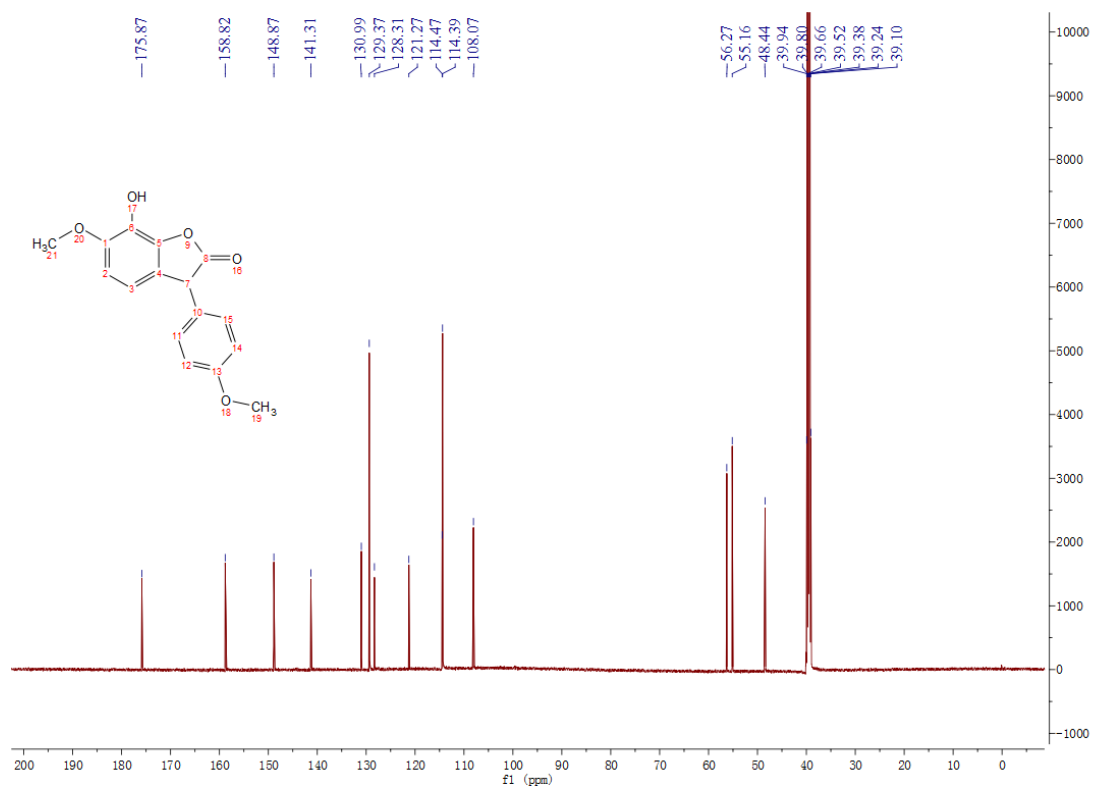
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compound **6** ^{13}CNMR
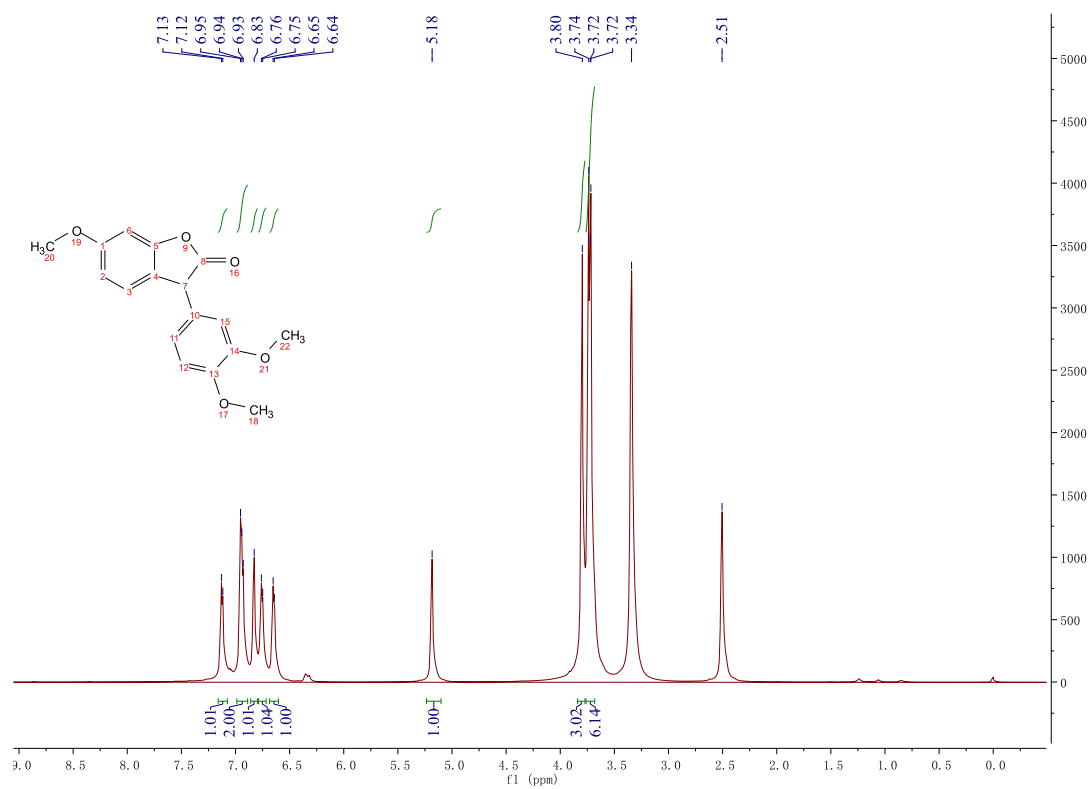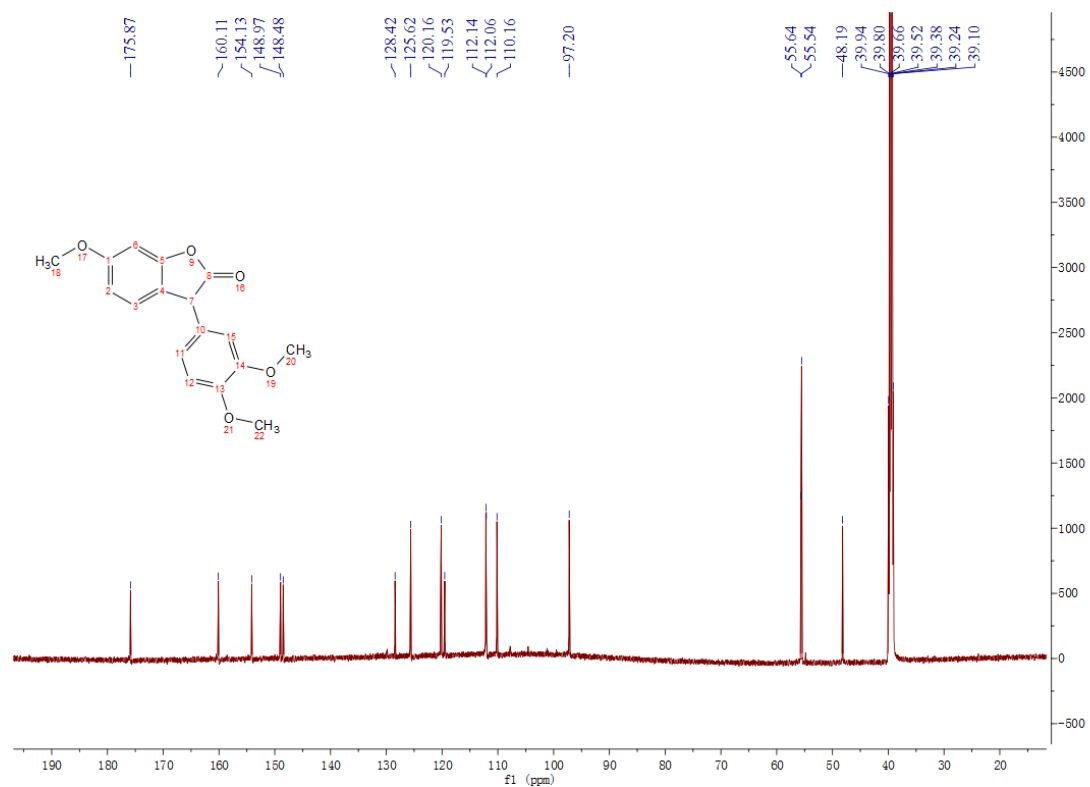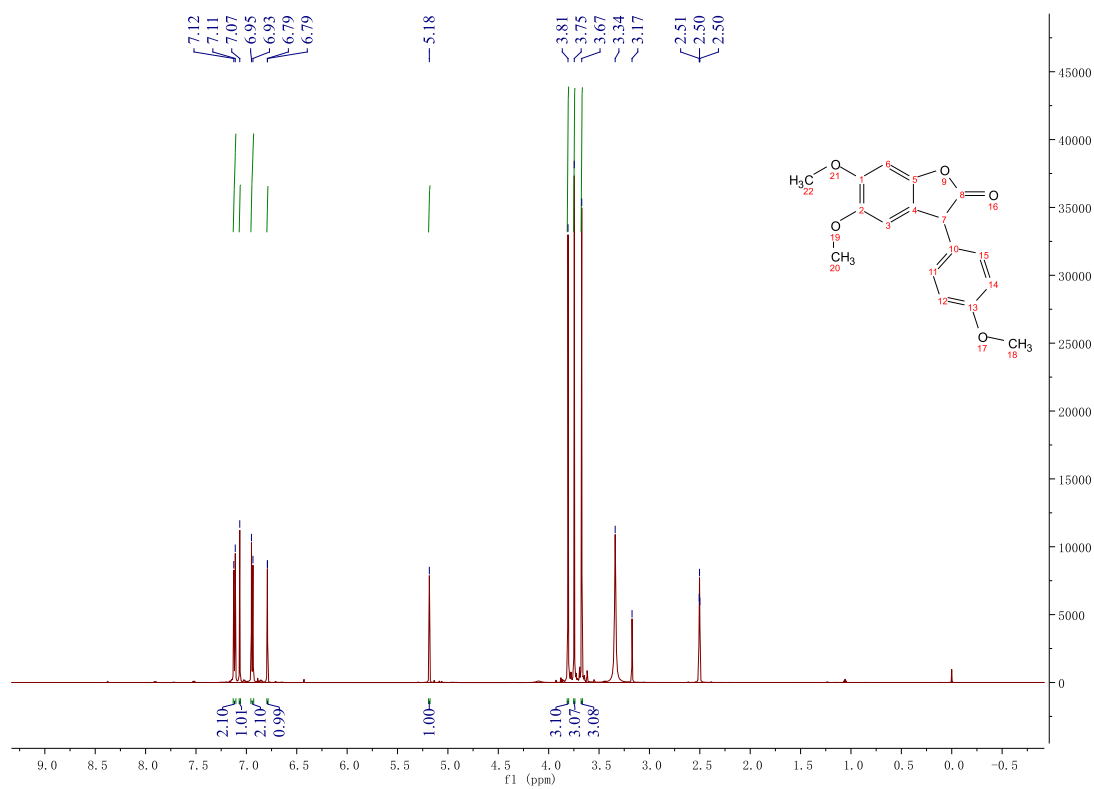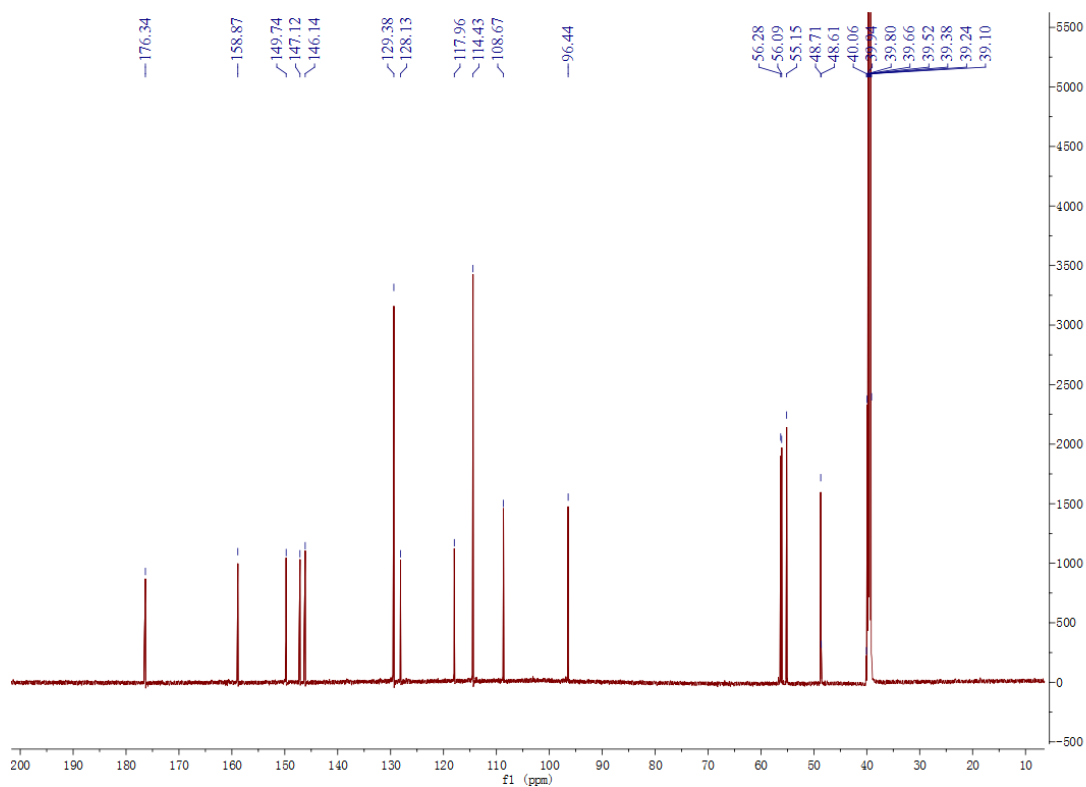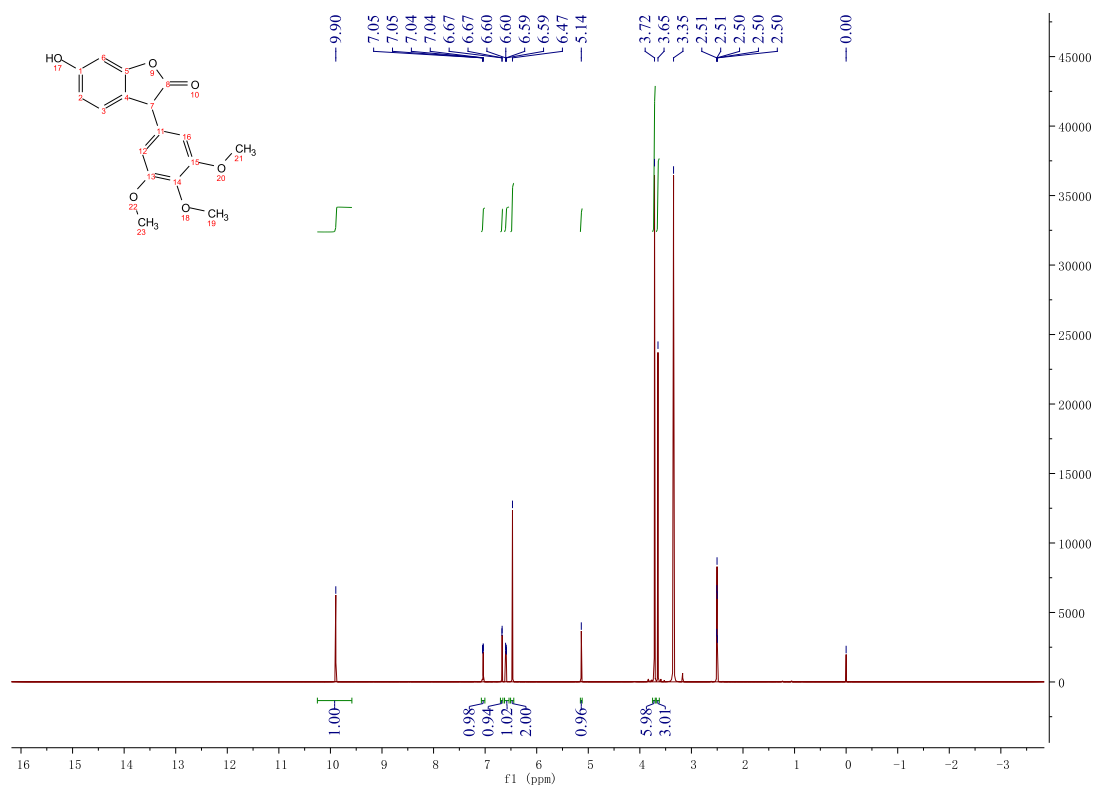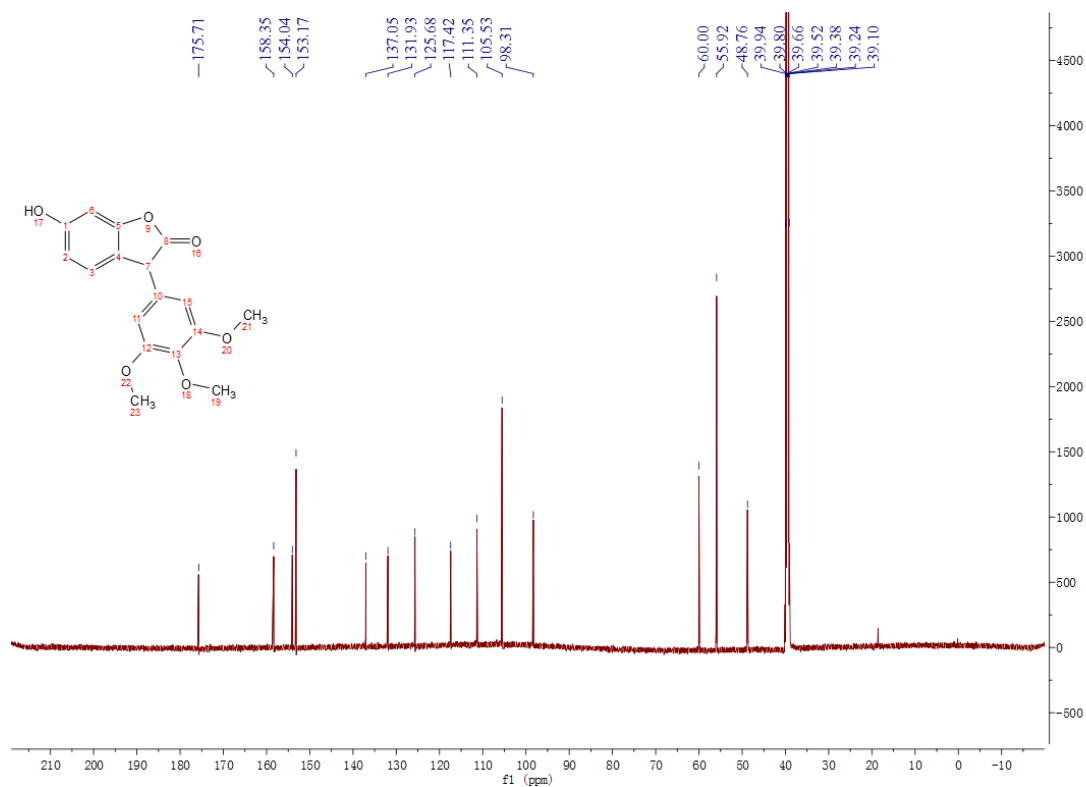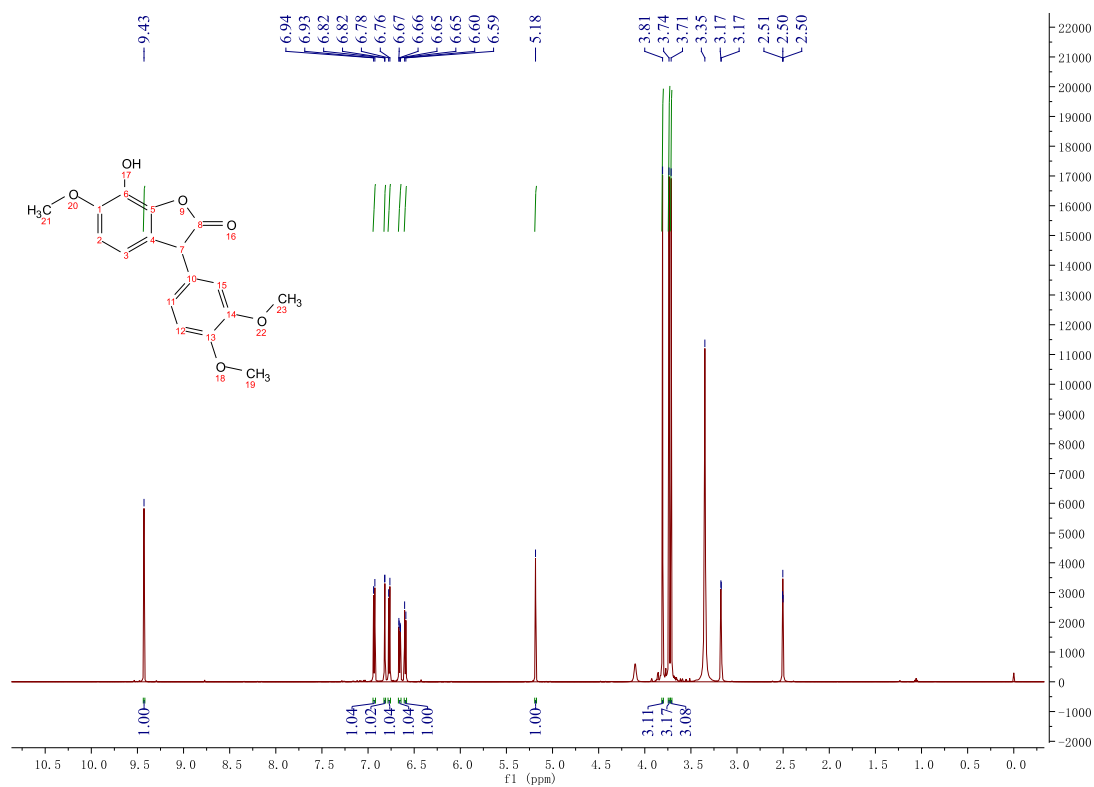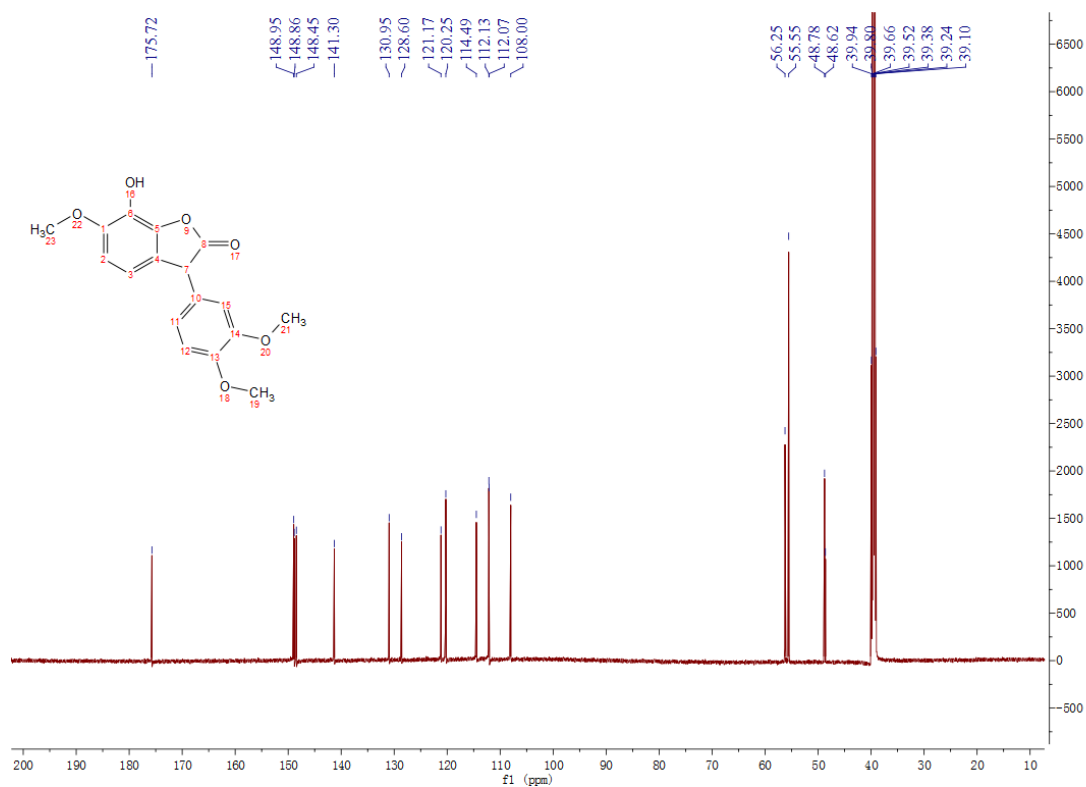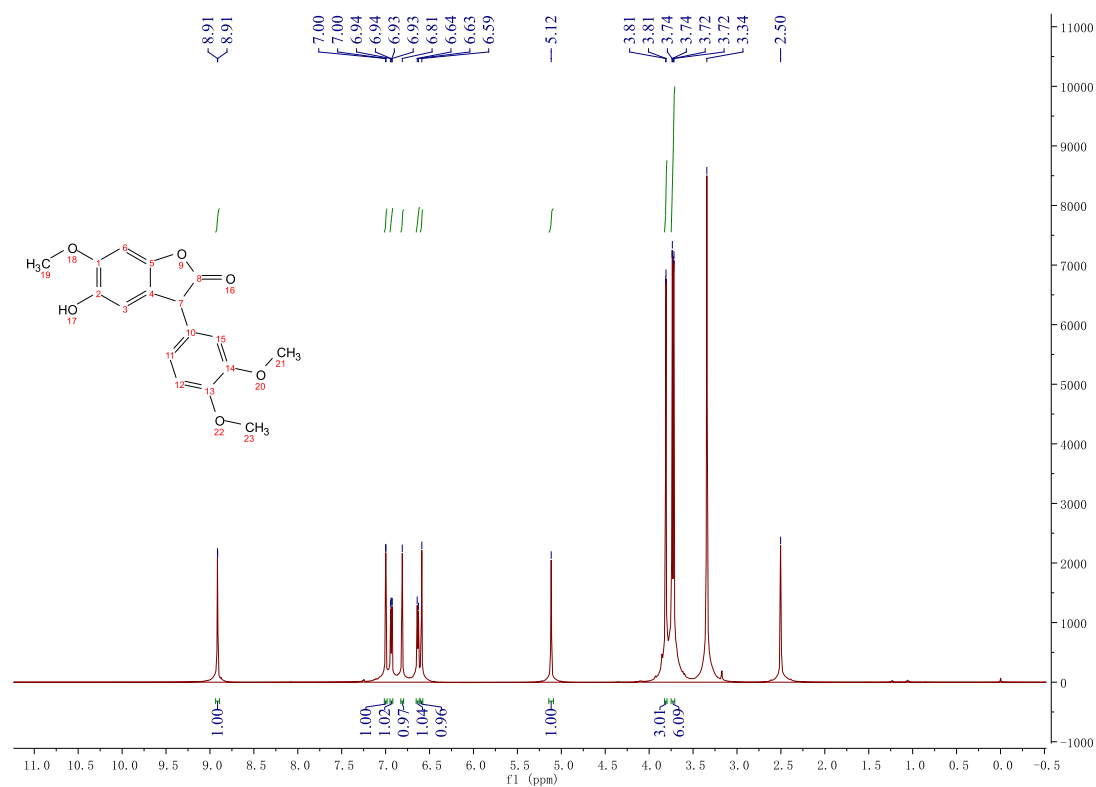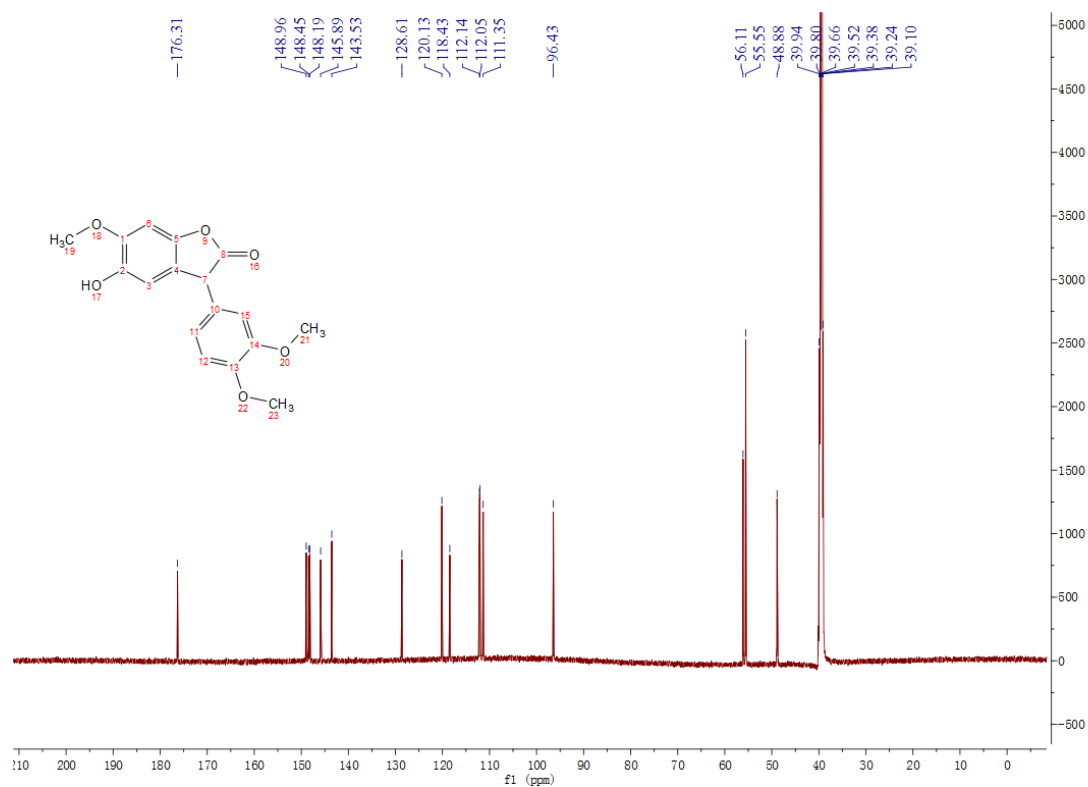
compound **7** ¹HNMR

compound **7** ¹³CNMR

8

compound **8** ^{1}HNMR

compound **8** ^{13}CNMR

compound **9** ¹HNMR

compound **9** ¹³CNMR

compound **10** ¹HNMR

compound **10** ¹³CNMR

11

compound **11** ¹HNMR

compound **11** ¹³CNMR

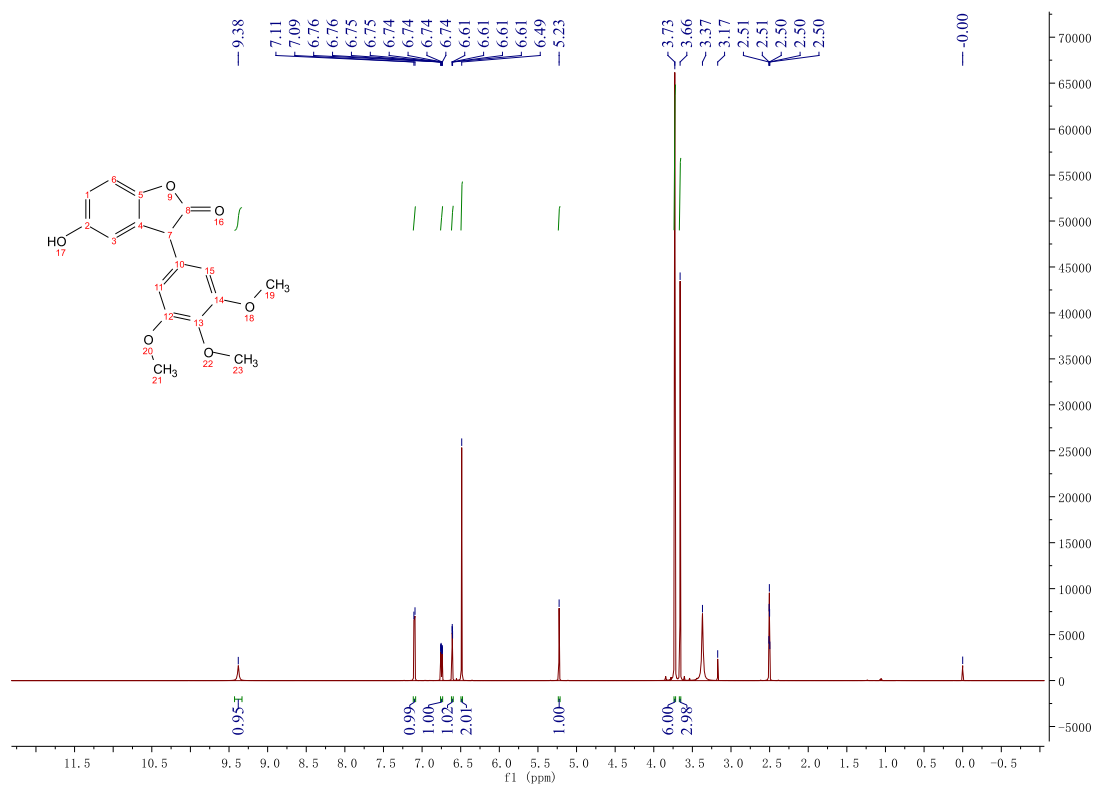compound **12** ¹HNMR

compound **12** ¹³CNMR

13

compound **13** ¹HNMR

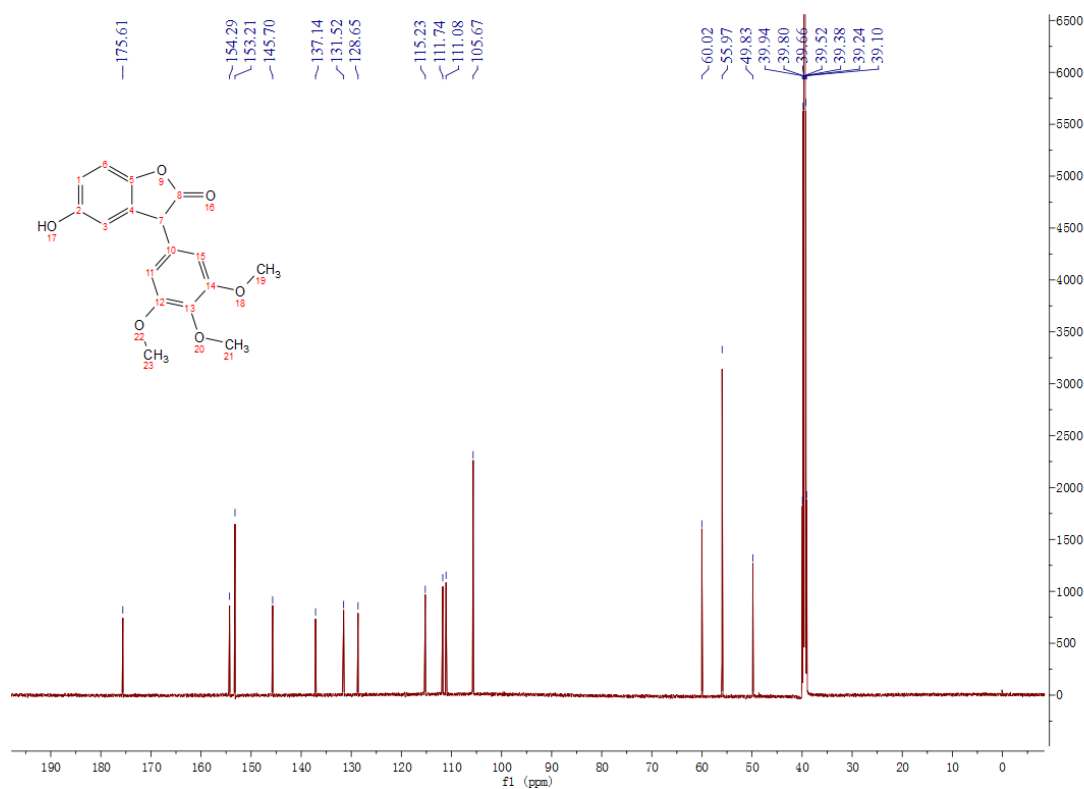## compound **13** ¹³CNMR

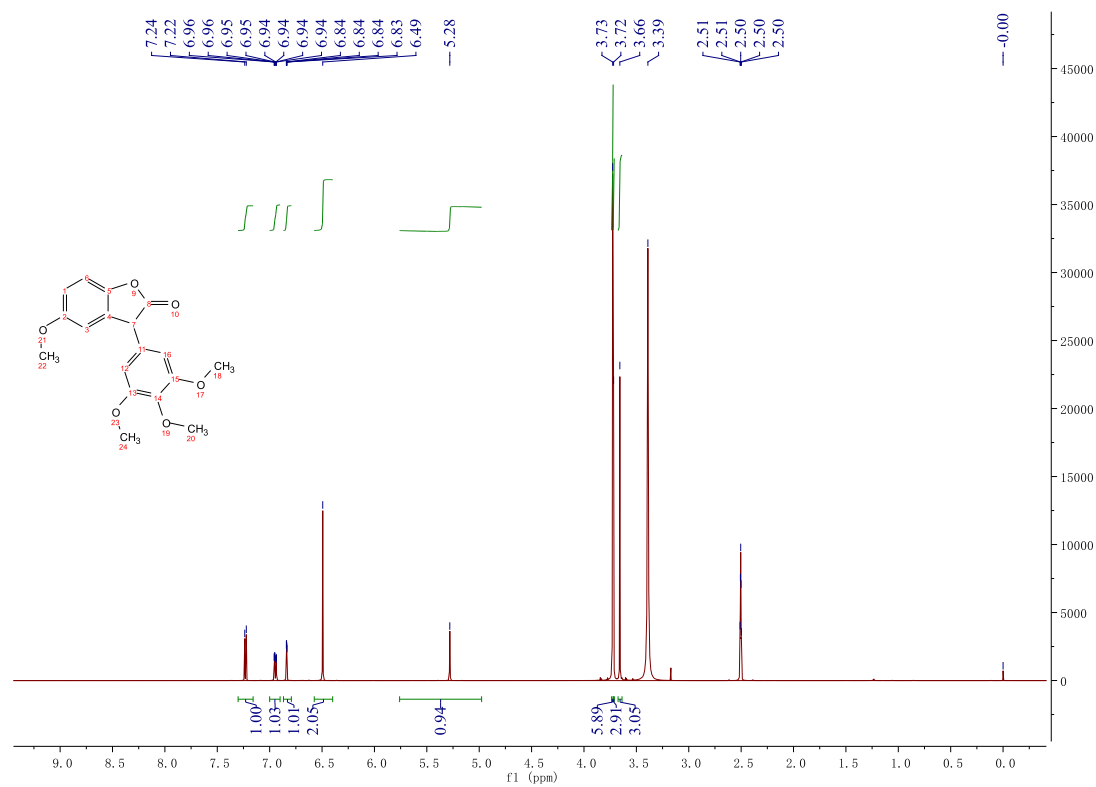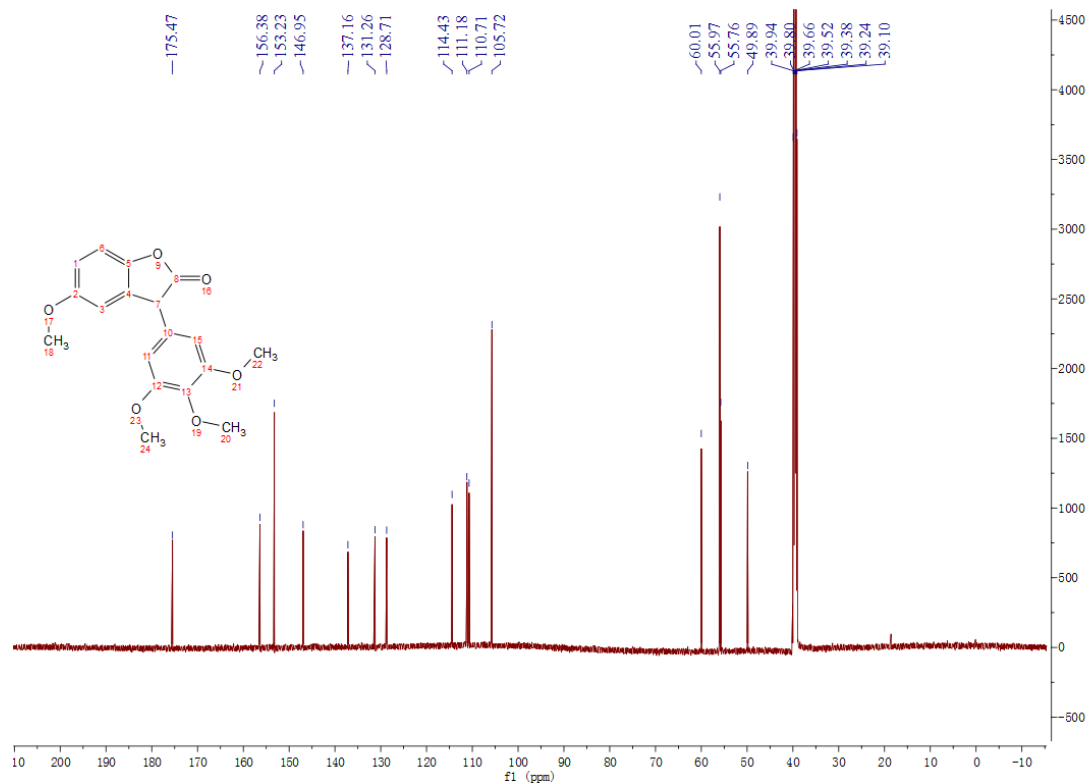compound **14** ^{1}HNMR

compound **14** ^{13}CNMR

compound **15** ¹HNMR

compound **15** ¹³CNMR

compound **16** ¹HNMR
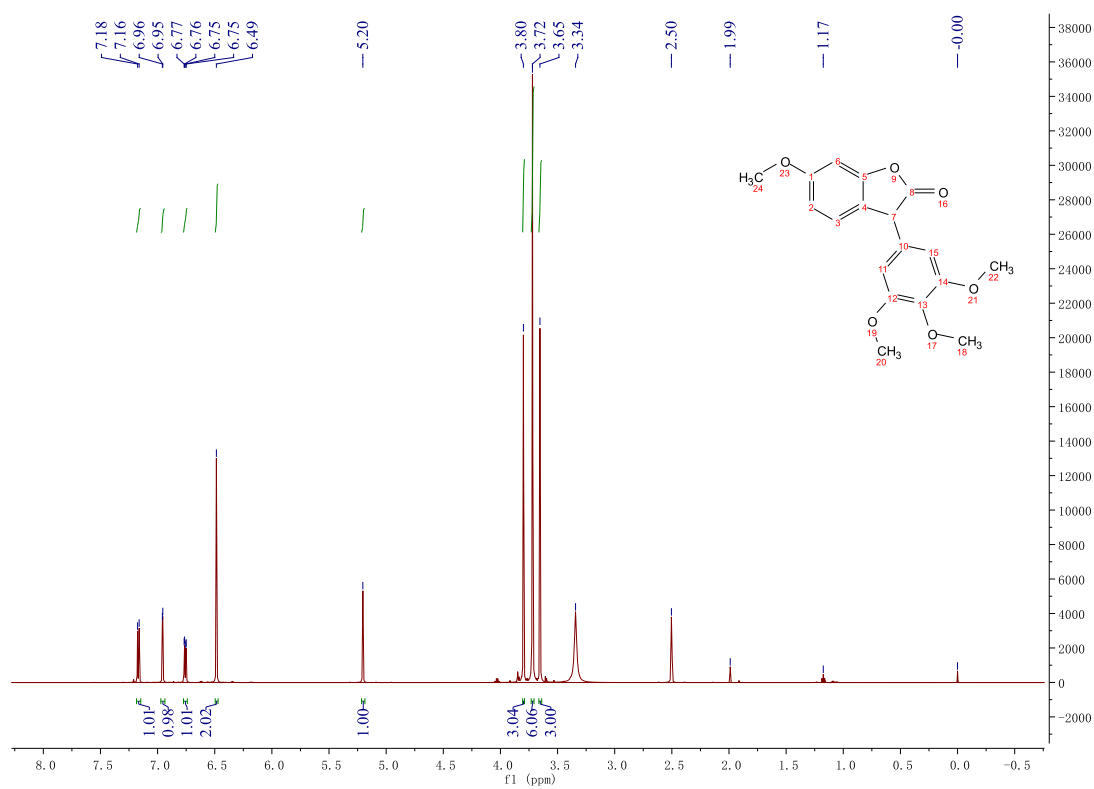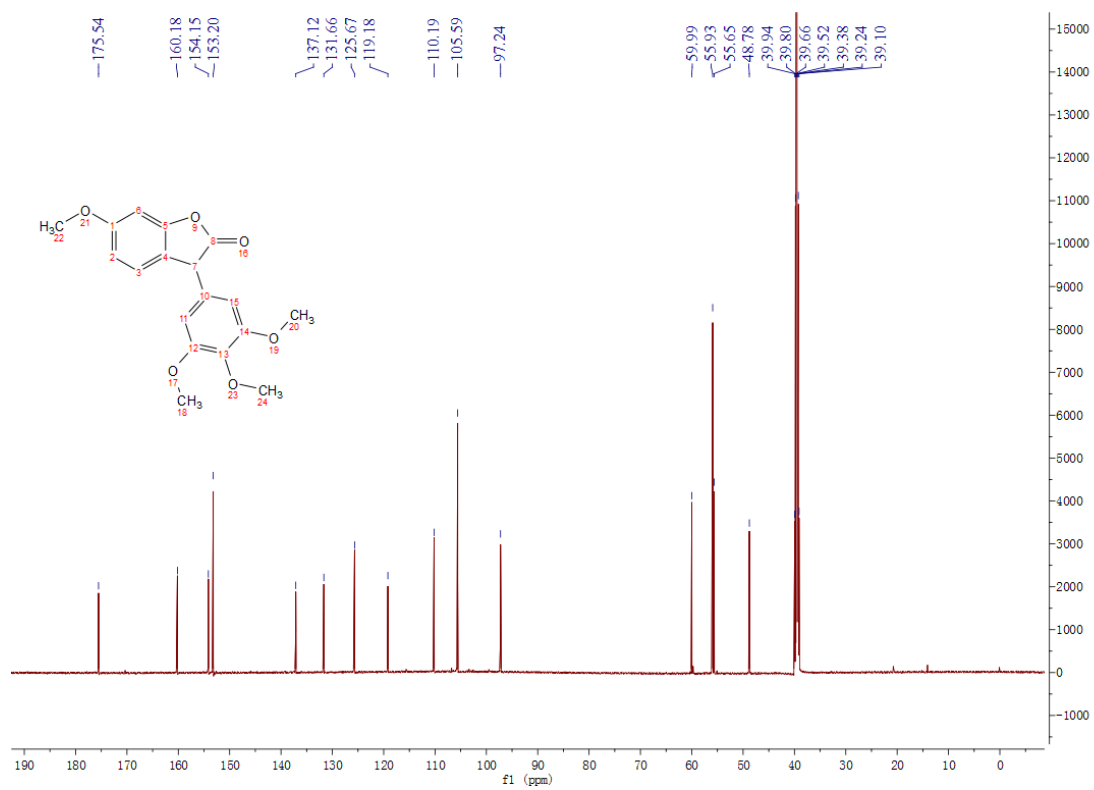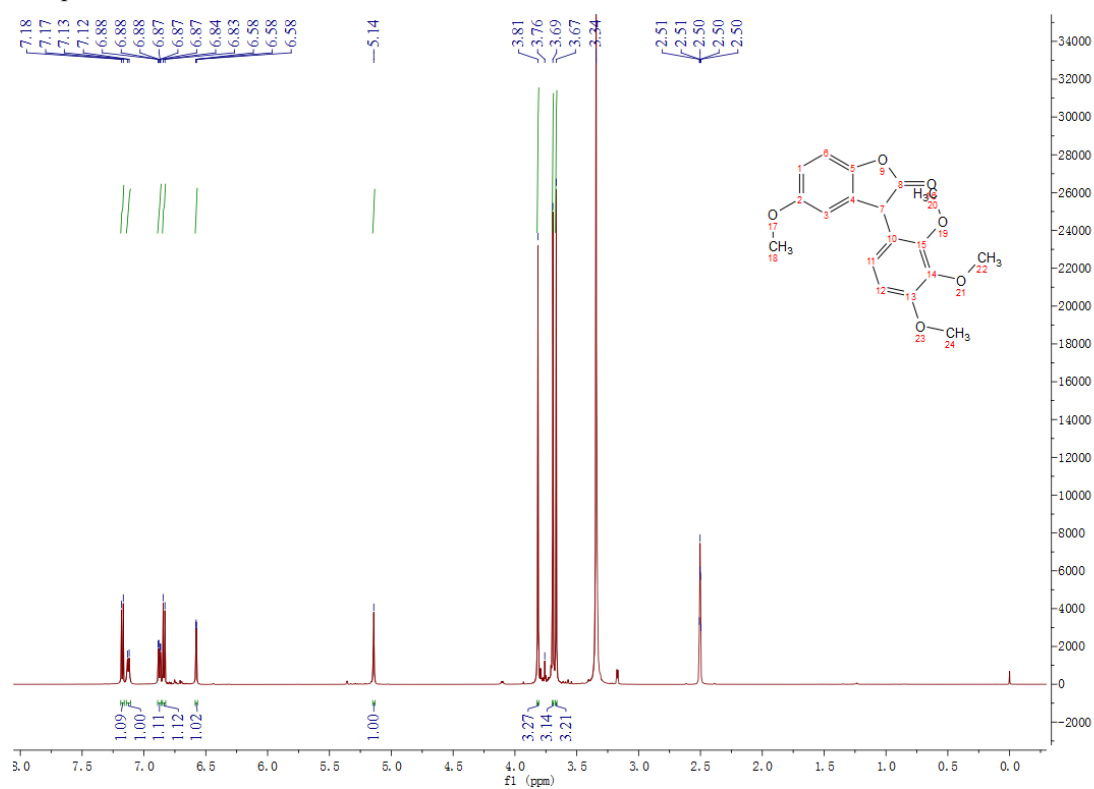

compound **16** ¹³CNMR

compound **17** ^{1}HNMR

compound **17** ^{13}CNMR

compound **18** ¹HNMR

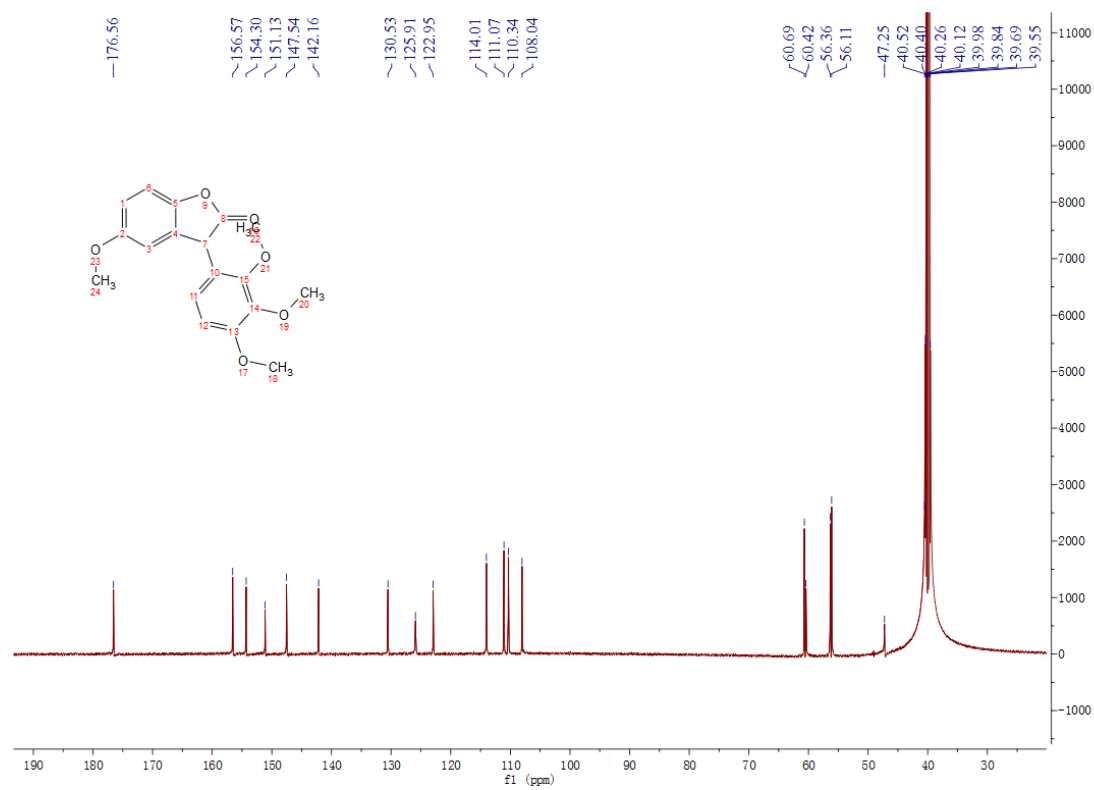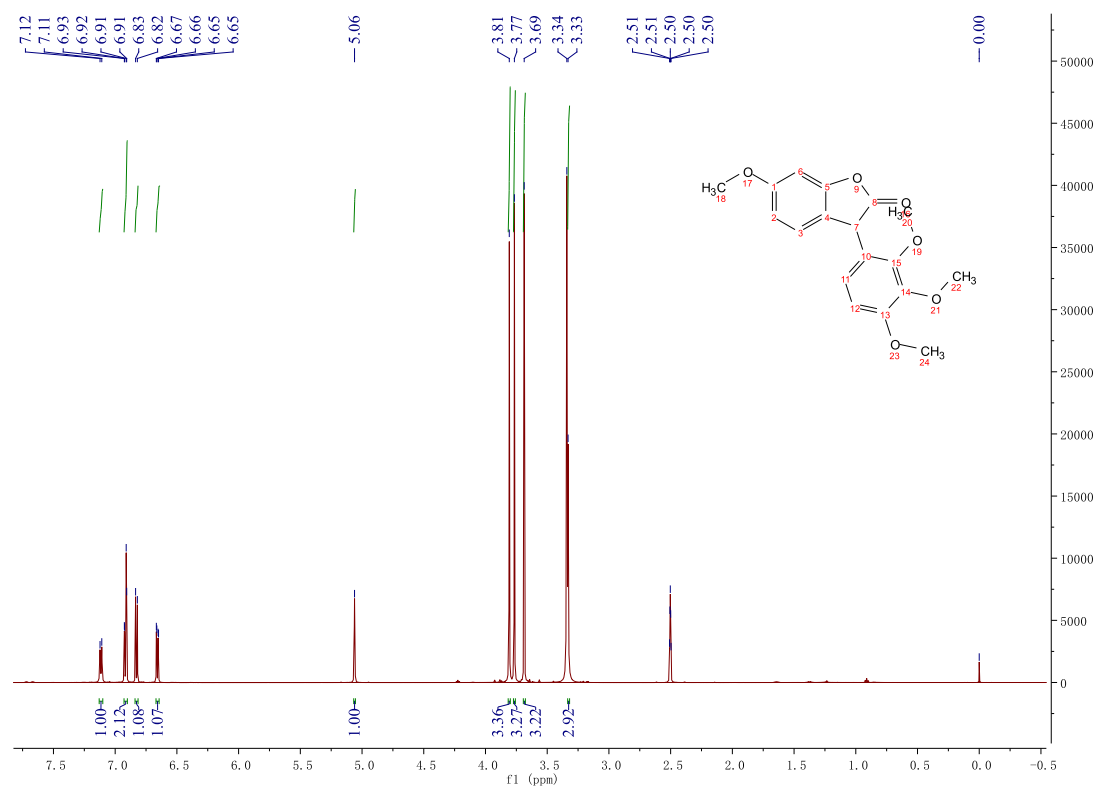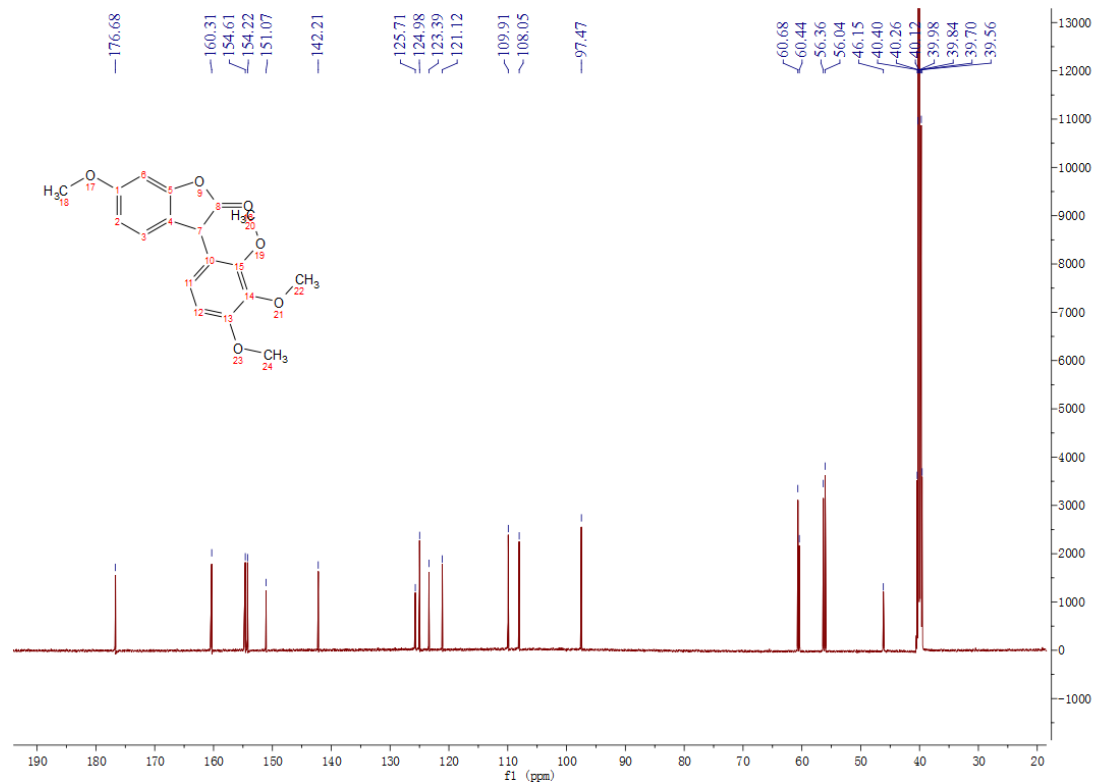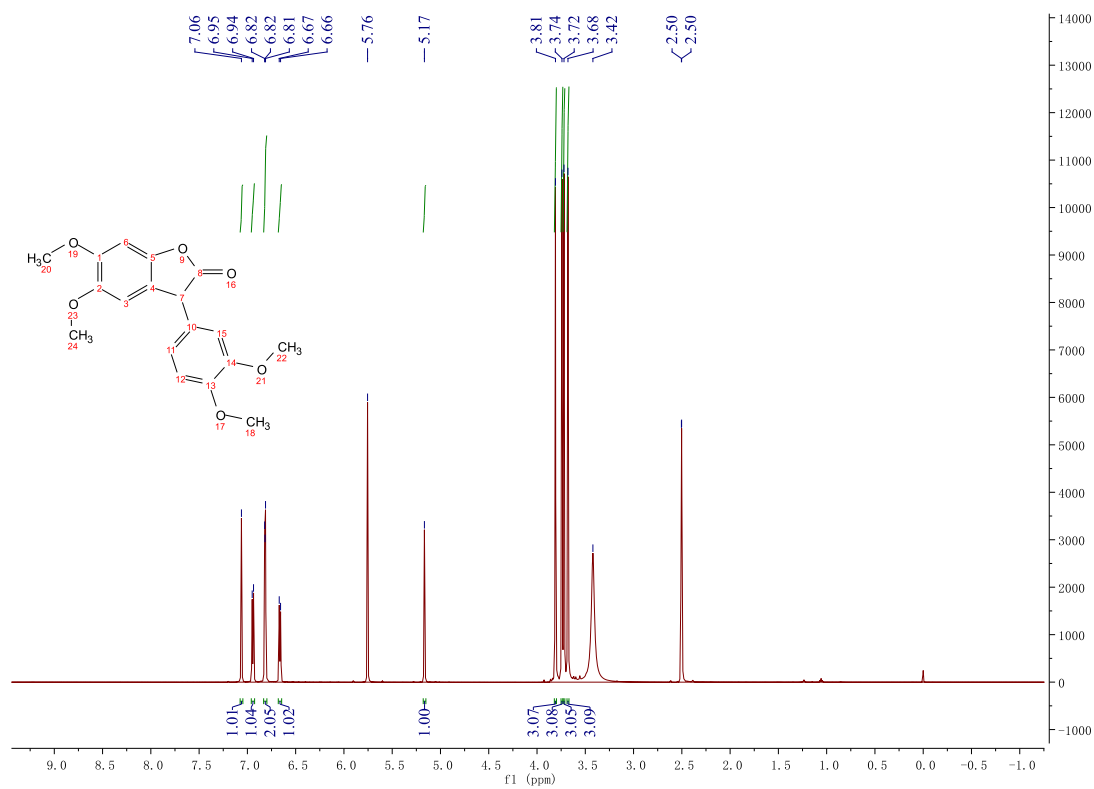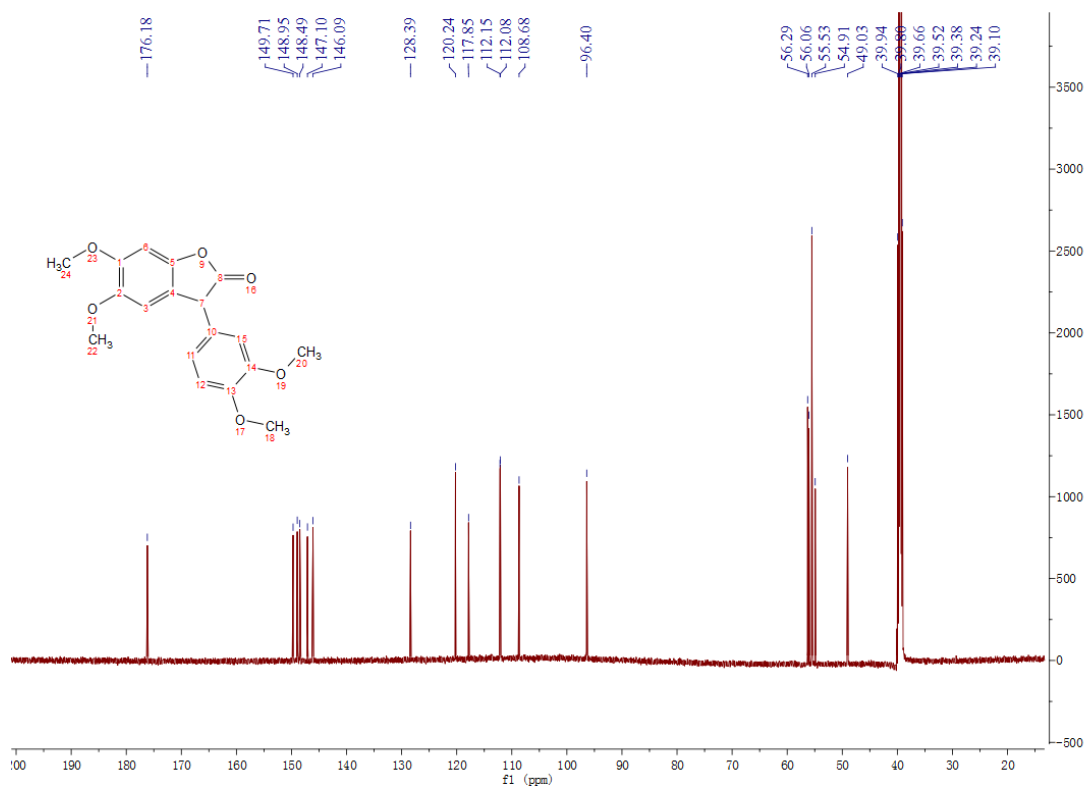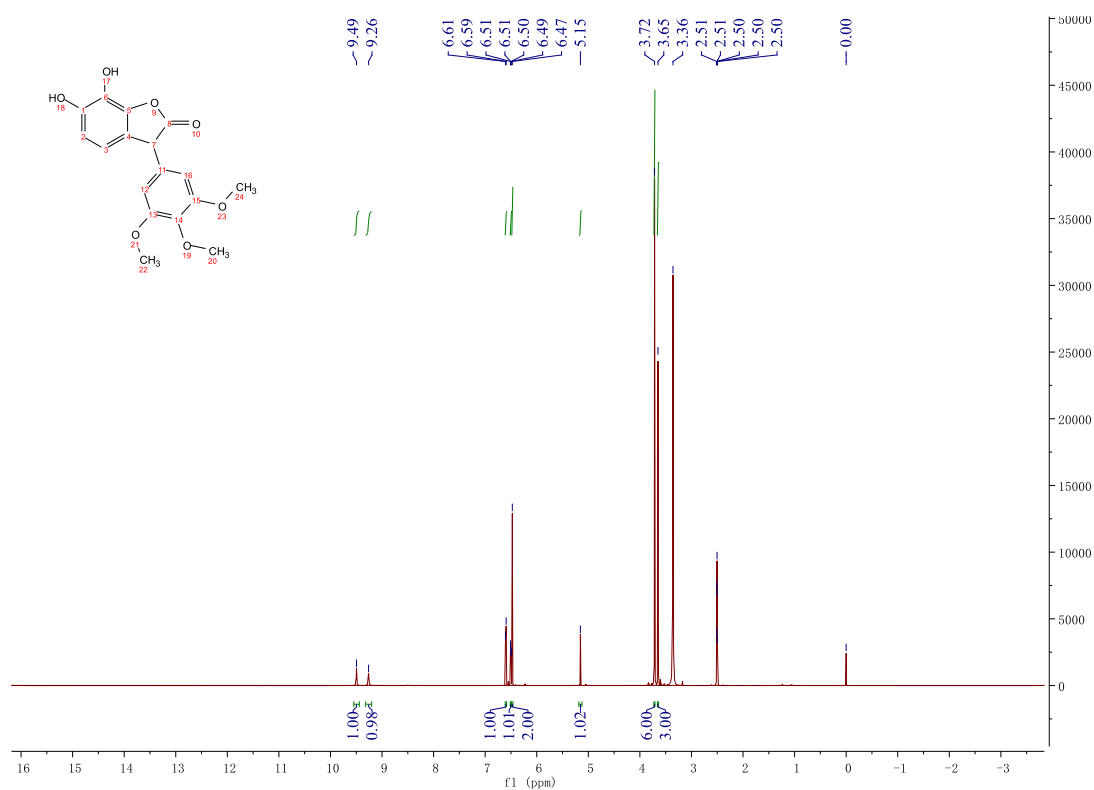
compound **18** ¹³CNMR
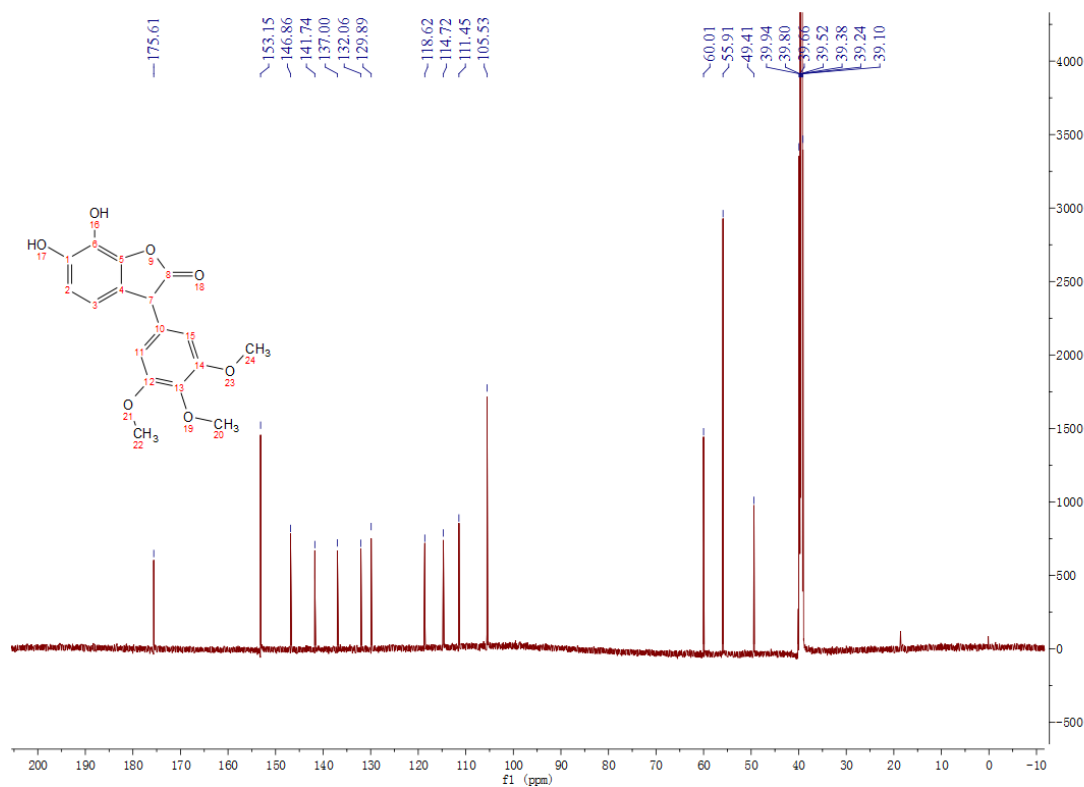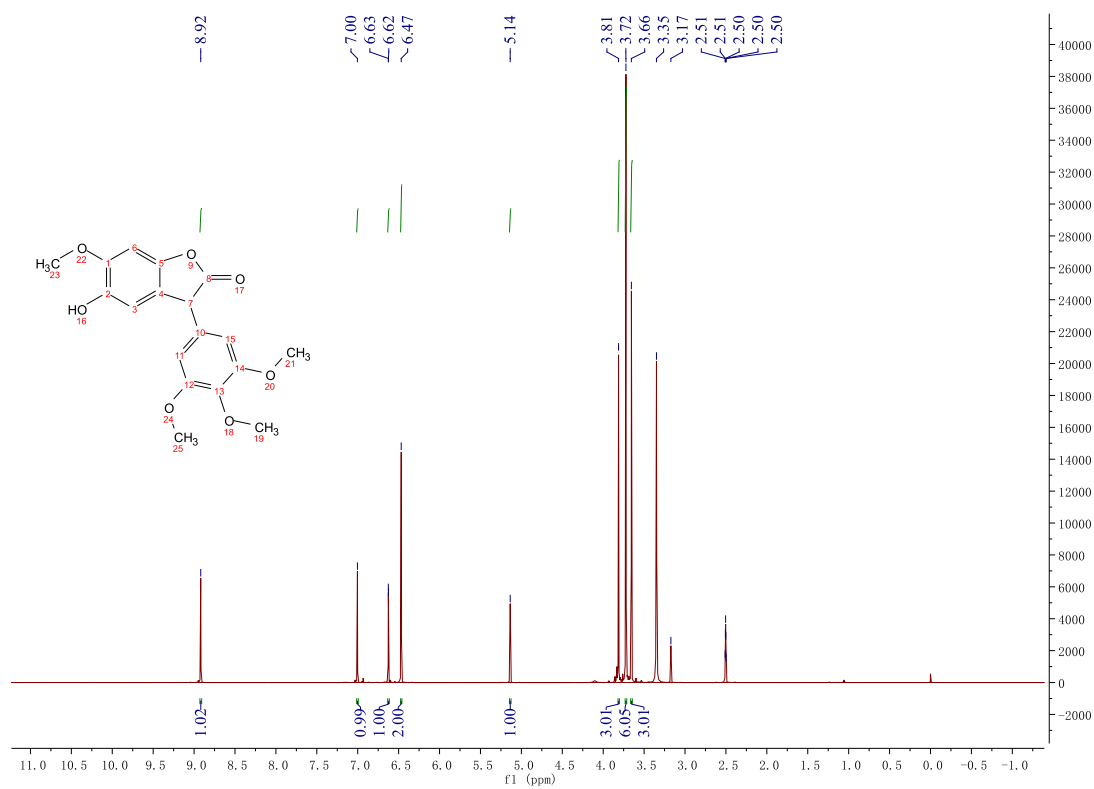
compound **19** ^{1}HNMR
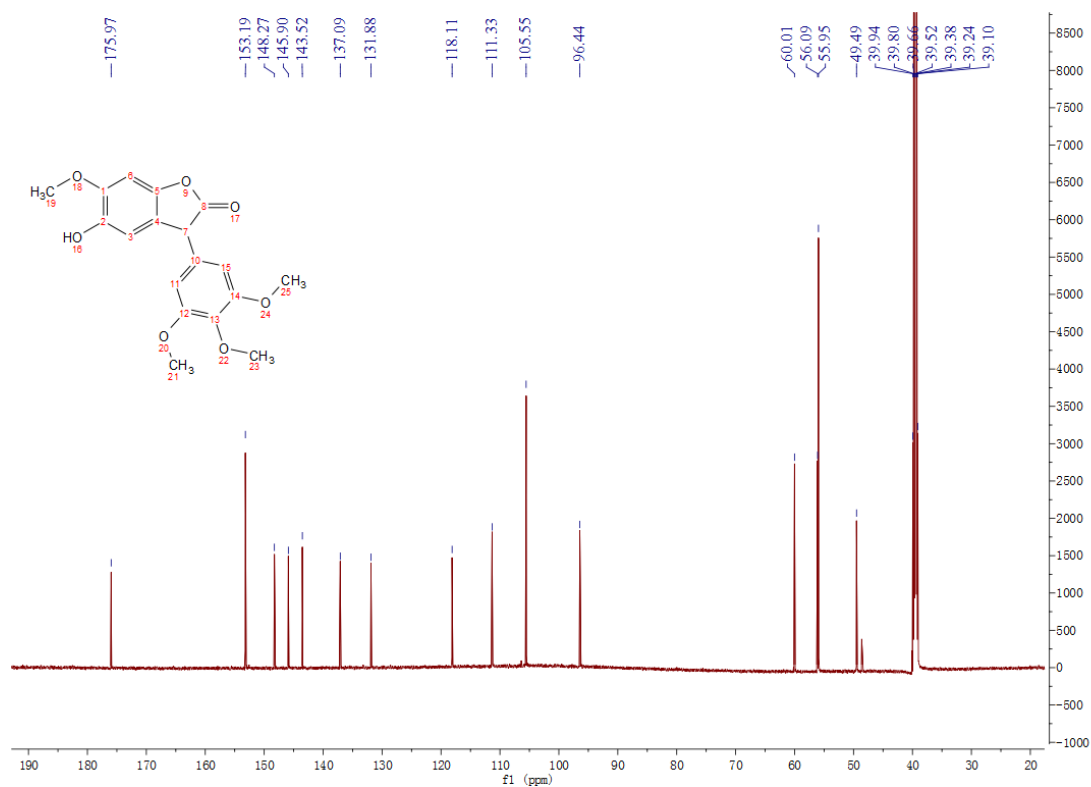

compound **19** ^{13}CNMR
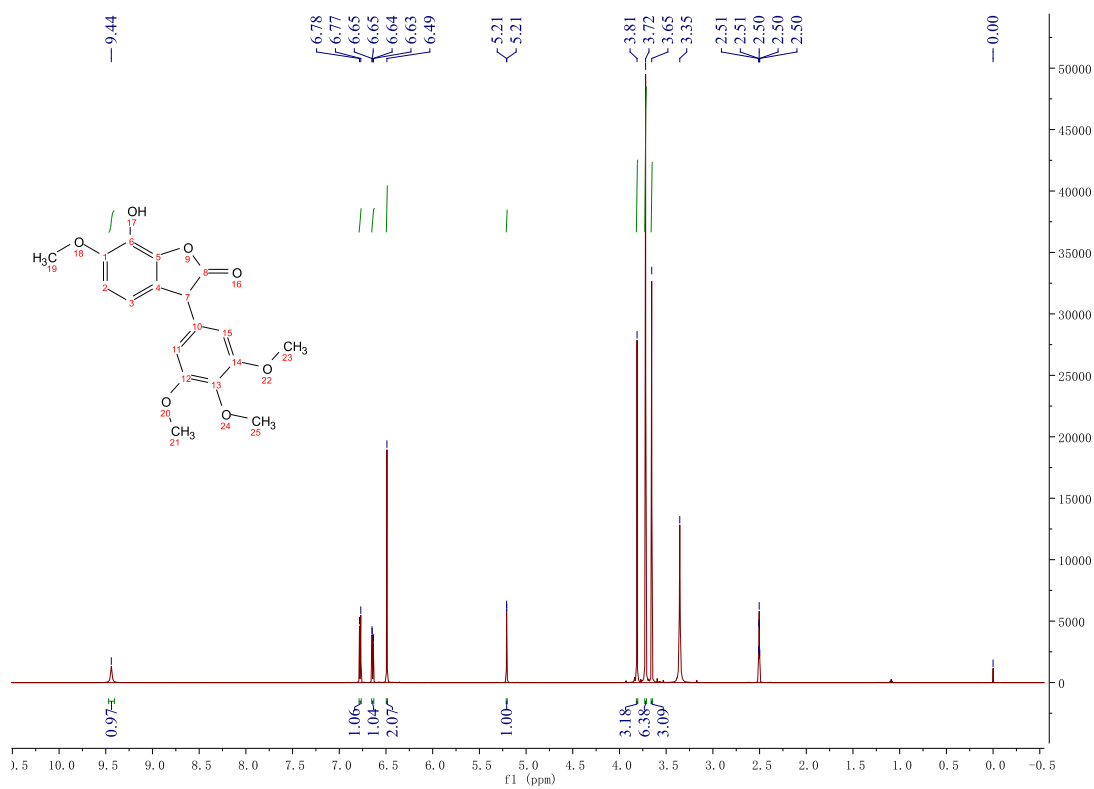
compound **20** ¹HNMR

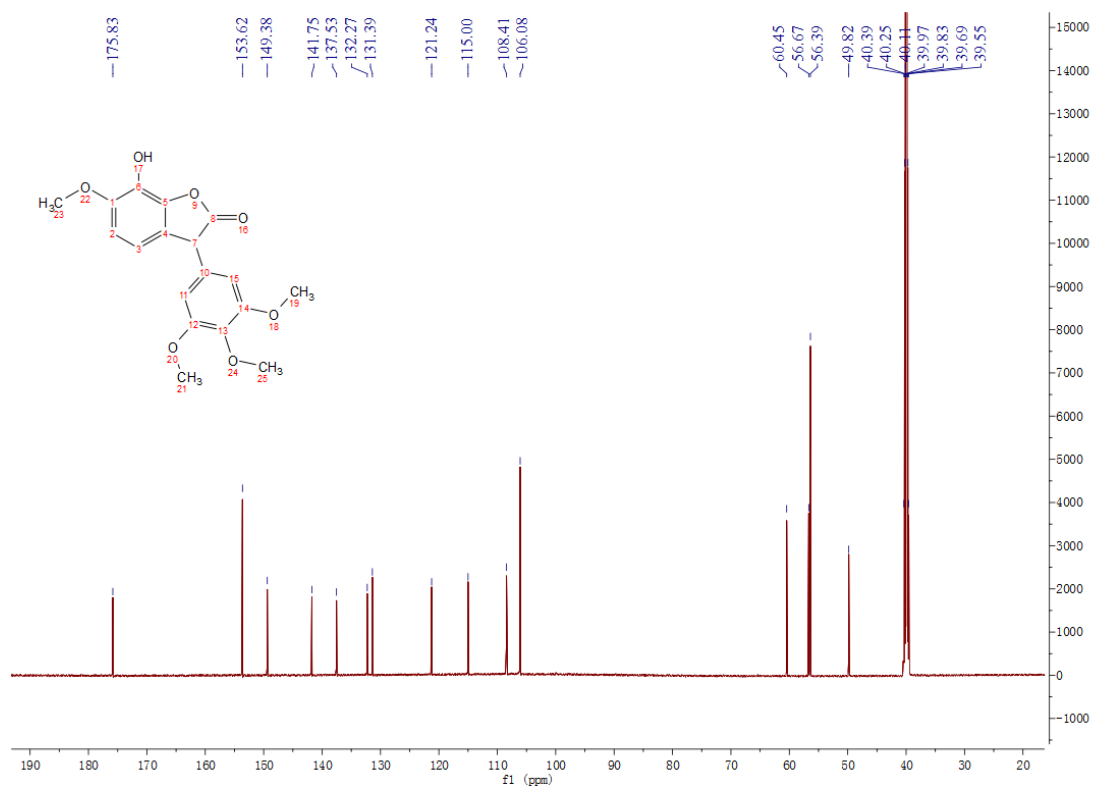compound **20** ¹³CNMR

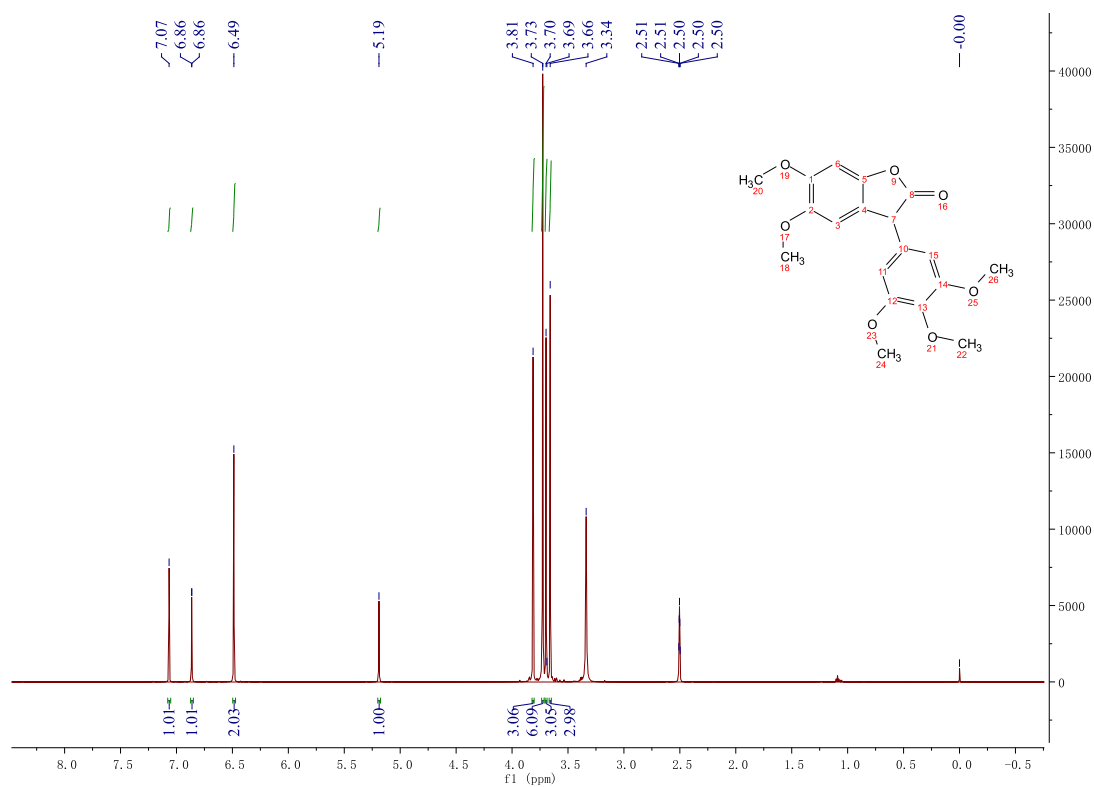compound **21** ¹HNMR

compound **21** ¹³CNMR

compound **22** ^{1}HNMR

compound **22** ^{13}CNMR

23

compound **23** ¹HNMR

compound **23** ¹³CNMR