

**Molecular Characterization and the Evolutionary Diversity Demonstration of Two Novel
Regio-specific Flavonoid Prenyltransferases from *Morus alba* and *Cudrania tricuspidata***

Ruishan Wang, Ridao Chen, Jianhua Li, Xiao Liu, Kebo Xie, Dawei Chen, Yunze Yin, Xiaoyu Tao, Dan Xie,
Jianhua Zou, Lin Yang, and Jungui Dai

Supplemental Data

Figure S1. ^1H NMR spectrum of 1a in acetone- d_6 (600 MHz).....	2
Figure S2. ^{13}C NMR spectrum of 1a in acetone- d_6 (150 MHz).....	2
Figure S3. ^1H NMR spectrum of 2a in acetone- d_6 (600 MHz).....	3
Figure S4. ^{13}C NMR spectrum of 2a in acetone- d_6 (150 MHz).....	3
Figure S5. ^1H NMR spectrum of 3a in acetone- d_6 (600 MHz).....	4
Figure S6. ^{13}C NMR spectrum of 3a in acetone- d_6 (150 MHz).....	4
Figure S7. ^1H NMR spectrum of 4a in acetone- d_6 (600 MHz).....	5
Figure S8. ^{13}C NMR spectrum of 4a in acetone- d_6 (150 MHz).....	5
Figure S9. ^1H NMR spectrum of 7a in acetone- d_6 (600 MHz).....	6
Figure S10. ^1H NMR spectrum of 8a in acetone- d_6 (600 MHz).....	6

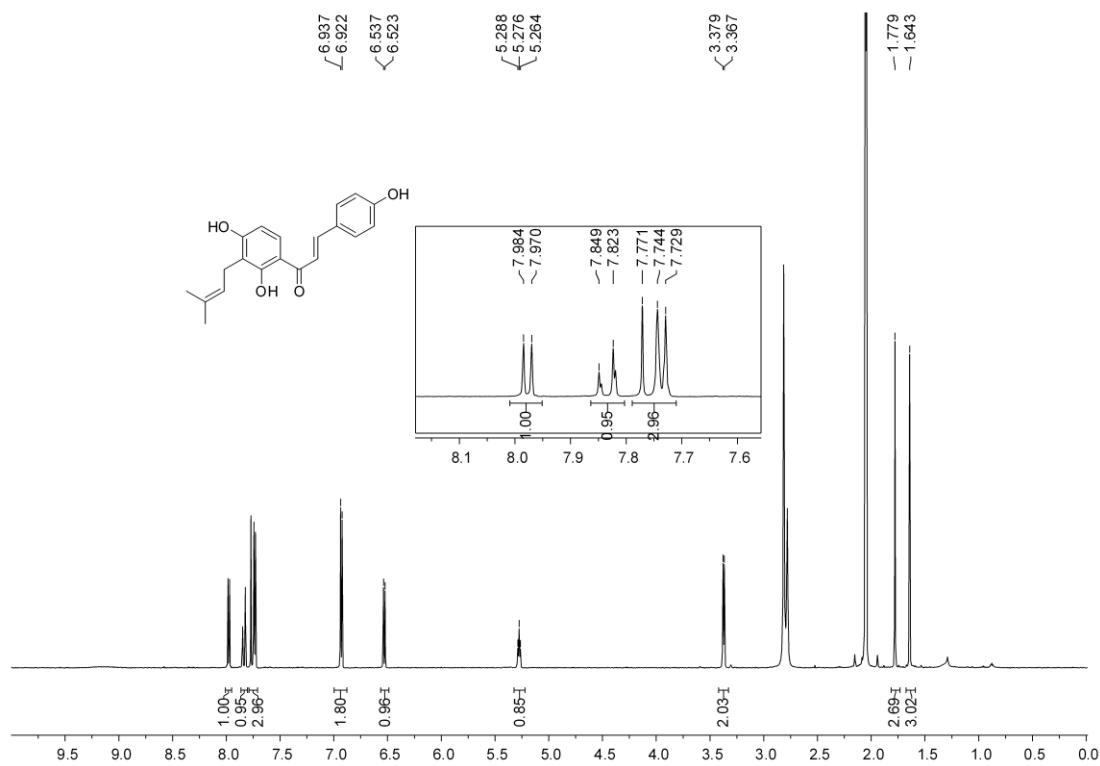


Figure S1. ¹H NMR spectrum of **1a** in acetone-*d*₆ (600 MHz)

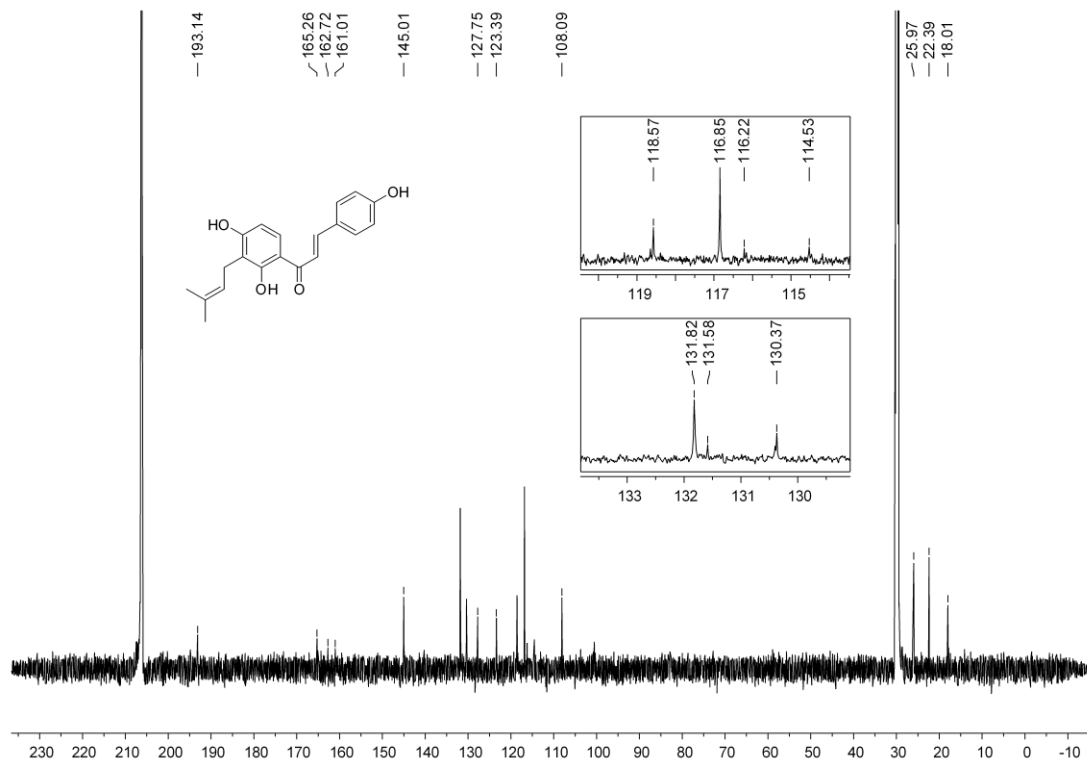


Figure S2. ¹³C NMR spectrum of **1a** in acetone-*d*₆ (150 MHz)

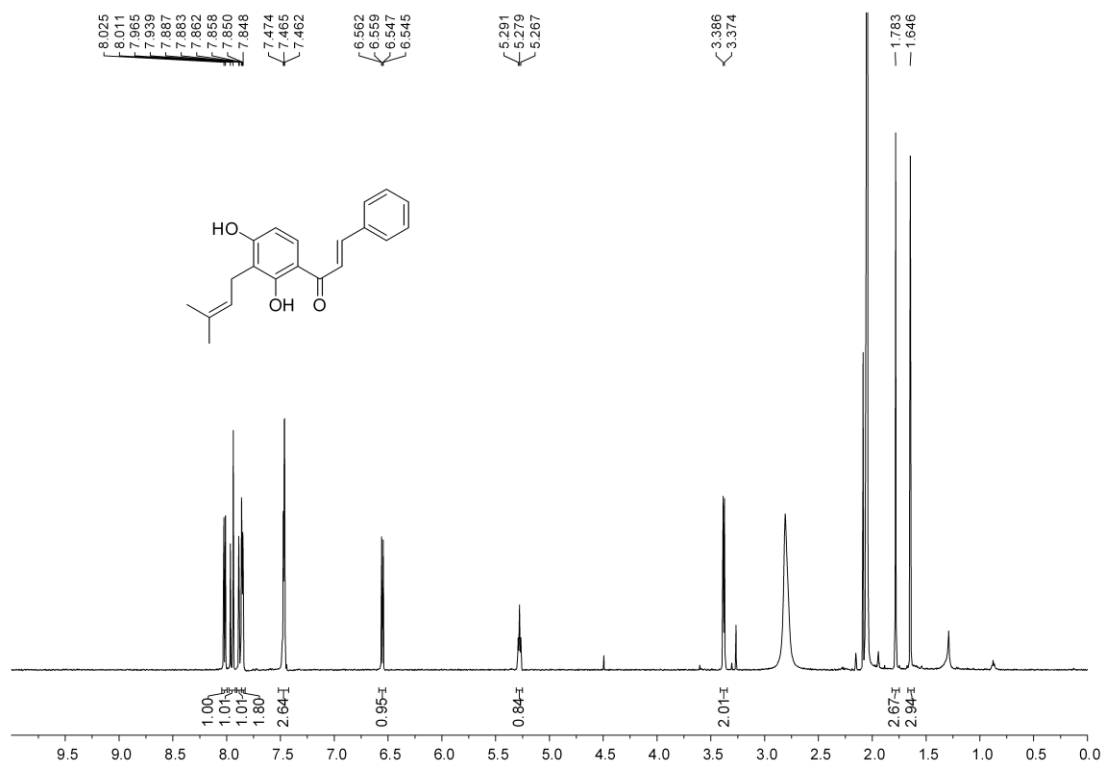


Figure S3. ¹H NMR spectrum of **2a** in acetone-*d*₆ (600 MHz)

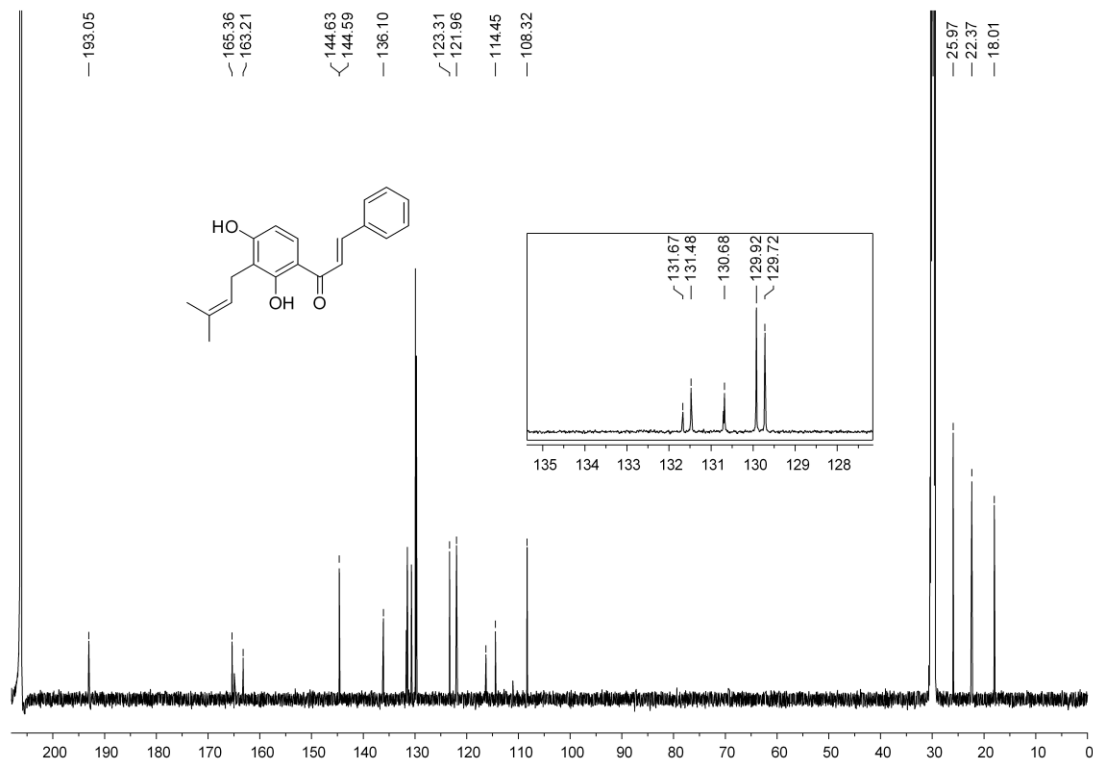


Figure S4. ¹³C NMR spectrum of **2a** in acetone-*d*₆ (150 MHz)

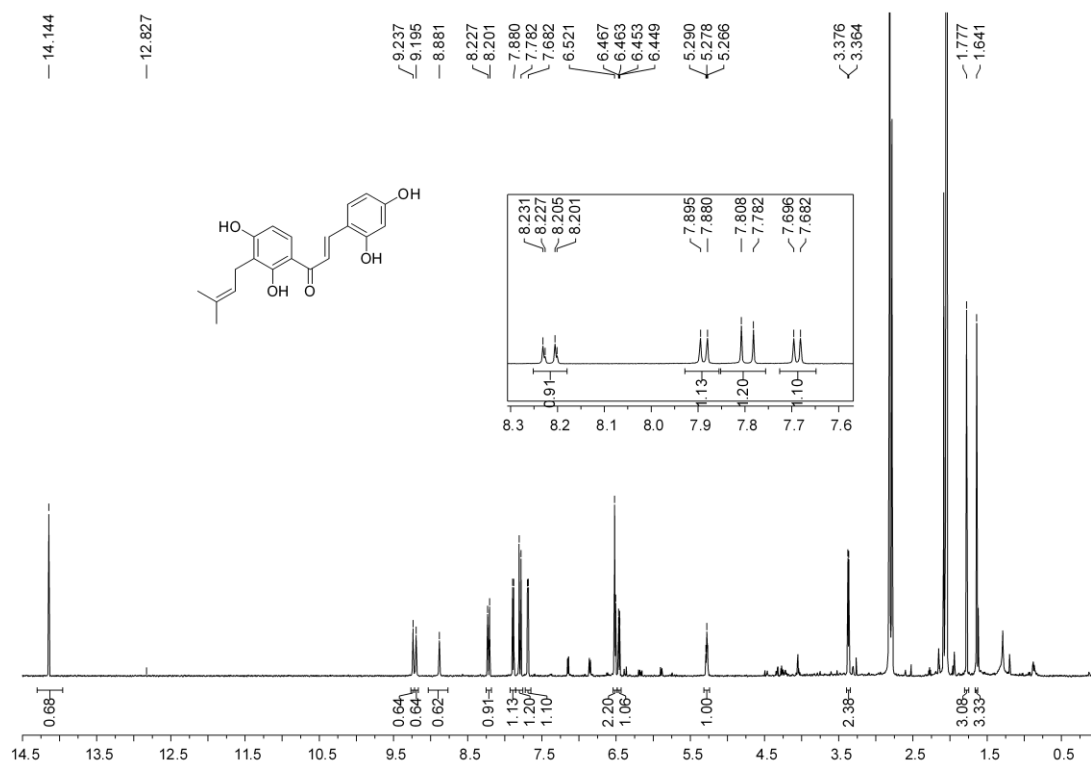


Figure S5. ¹H NMR spectrum of **3a** in acetone-*d*₆ (600 MHz)

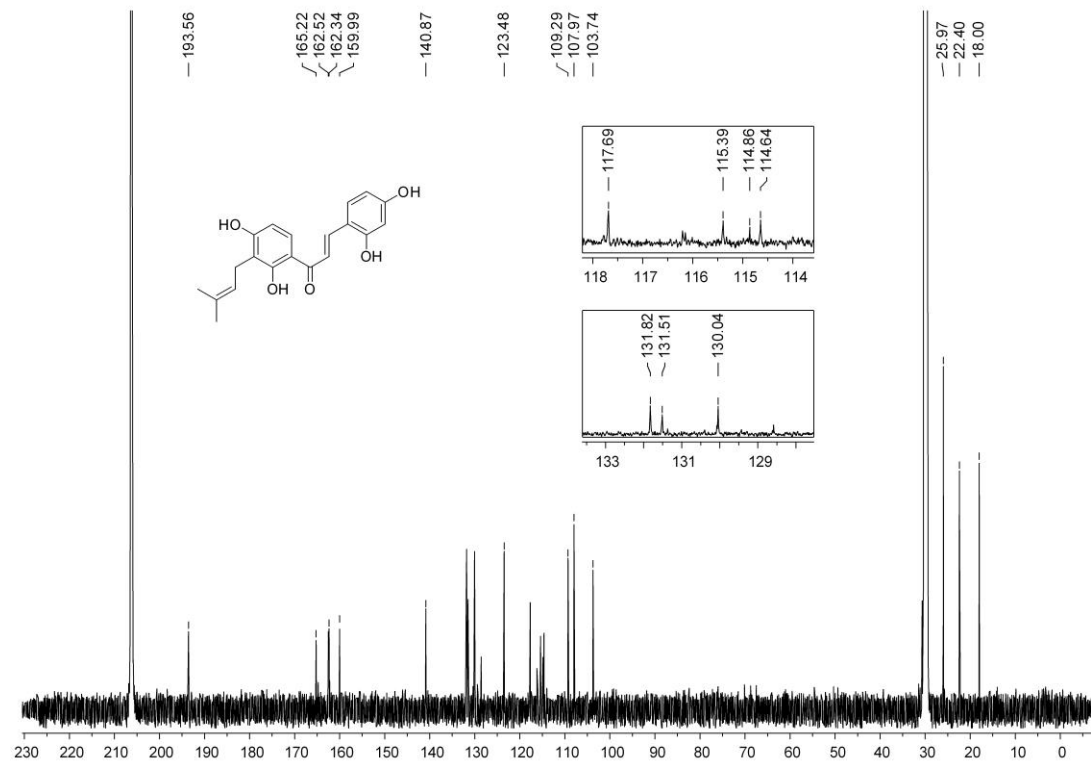


Figure S6. ¹³C NMR spectrum of **3a** in acetone-*d*₆ (150 MHz)

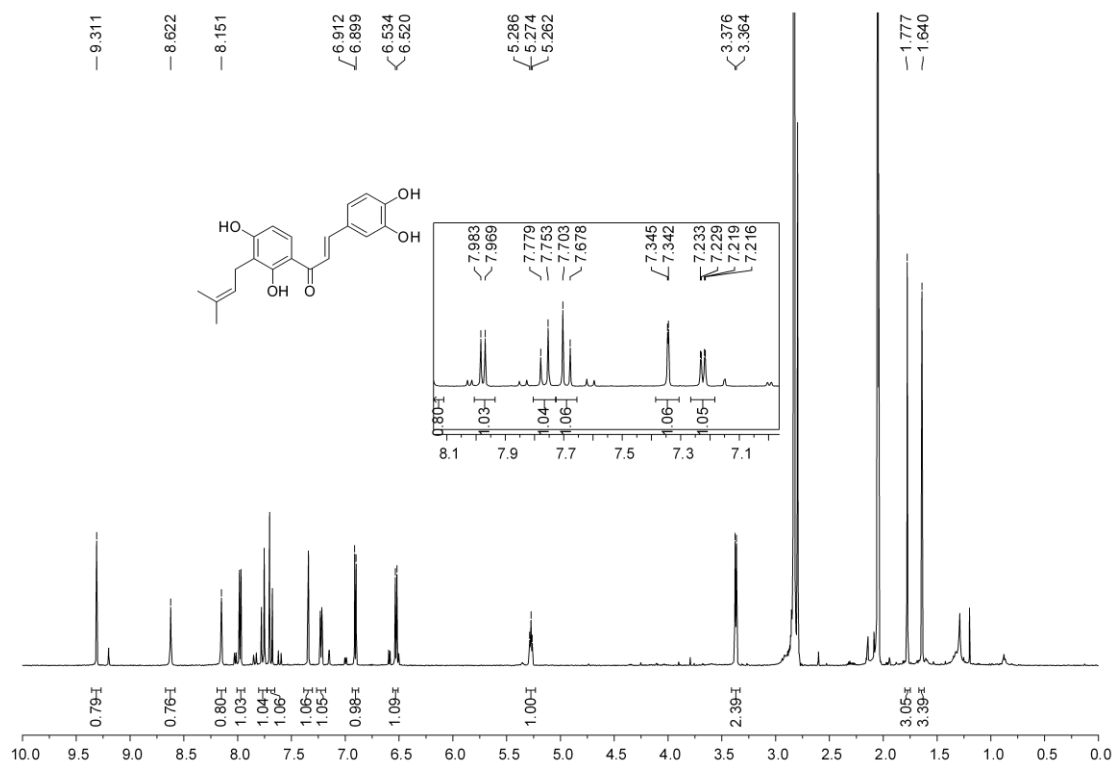


Figure S7. ¹H NMR spectrum of **4a** in acetone-*d*₆ (600 MHz)

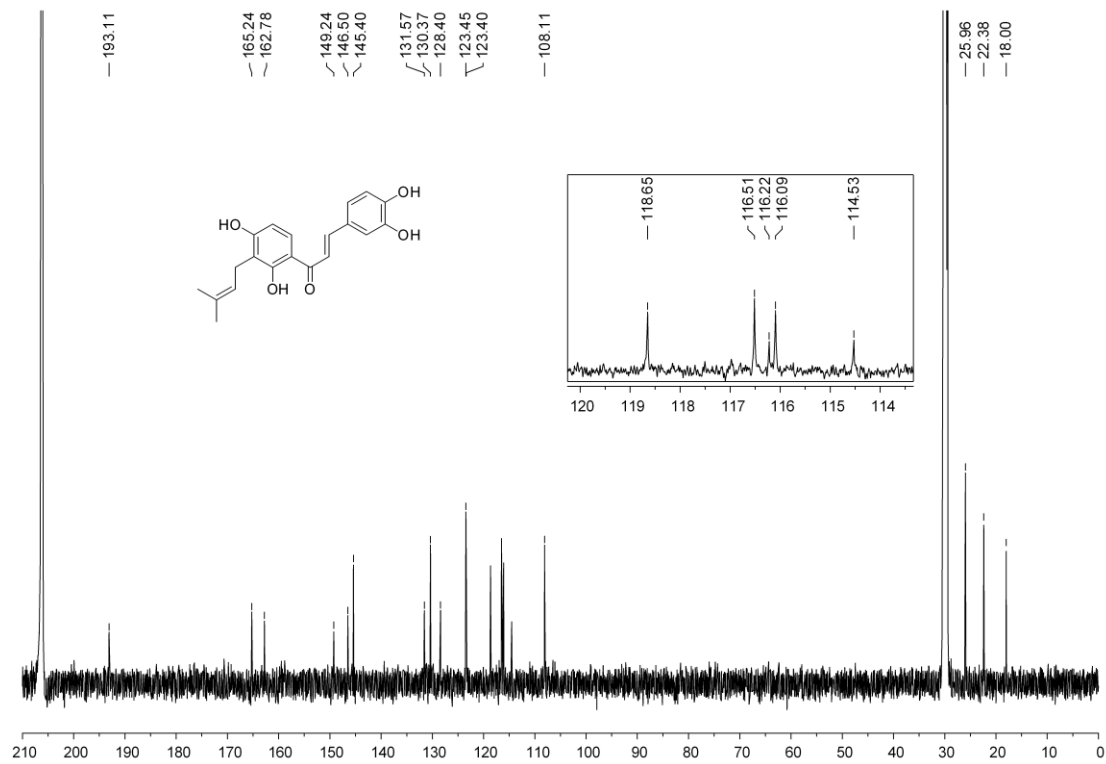


Figure S8. ¹³C NMR spectrum of **4a** in acetone-*d*₆ (150 MHz)

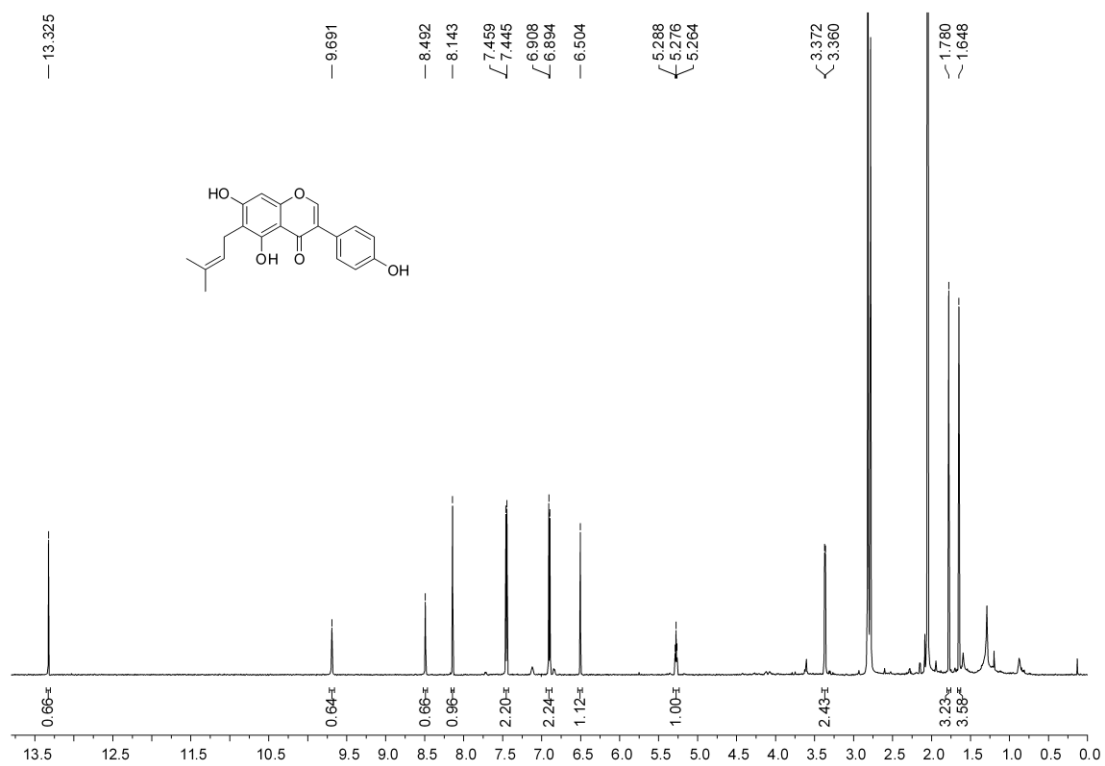


Figure S9. ¹H NMR spectrum of **7a** in acetone-*d*₆ (600 MHz)

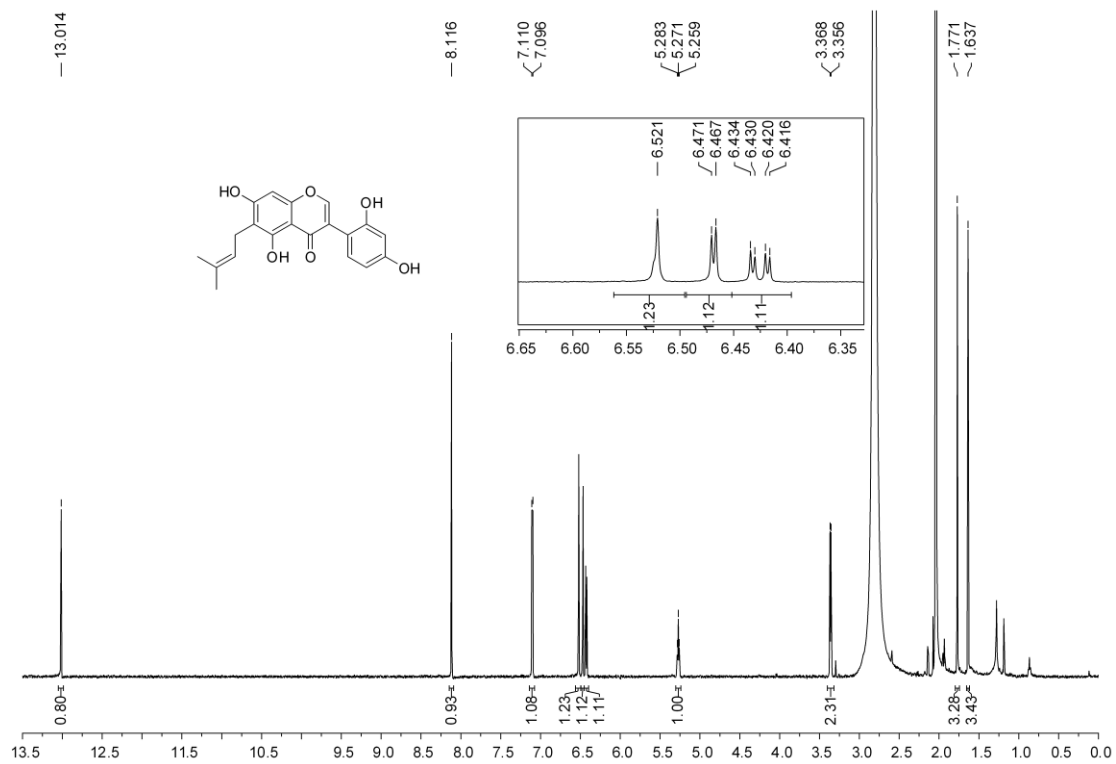


Figure S10. ¹H NMR spectrum of **8a** in acetone-*d*₆ (600 MHz)