

## Supporting Information

*Rec. Nat. Prod.* 11:2 (2017) 141-146

### Commicarpiflavonol Glucosides A and B; Two New 5-Deoxyflavonol Glucosides from *Commicarpus grandiflorus*

Dina R. Abou-Hussein<sup>1,2\*</sup>, Ahmed M. Galal<sup>3</sup>, Ikhlas A. Khan<sup>3,4</sup> and Essam Abdel-Sattar<sup>2</sup>

<sup>1</sup>Department of Natural Products and Alternative Medicine, Faculty of Pharmacy, King Abdulaziz University, Jeddah 21589, Saudi Arabia

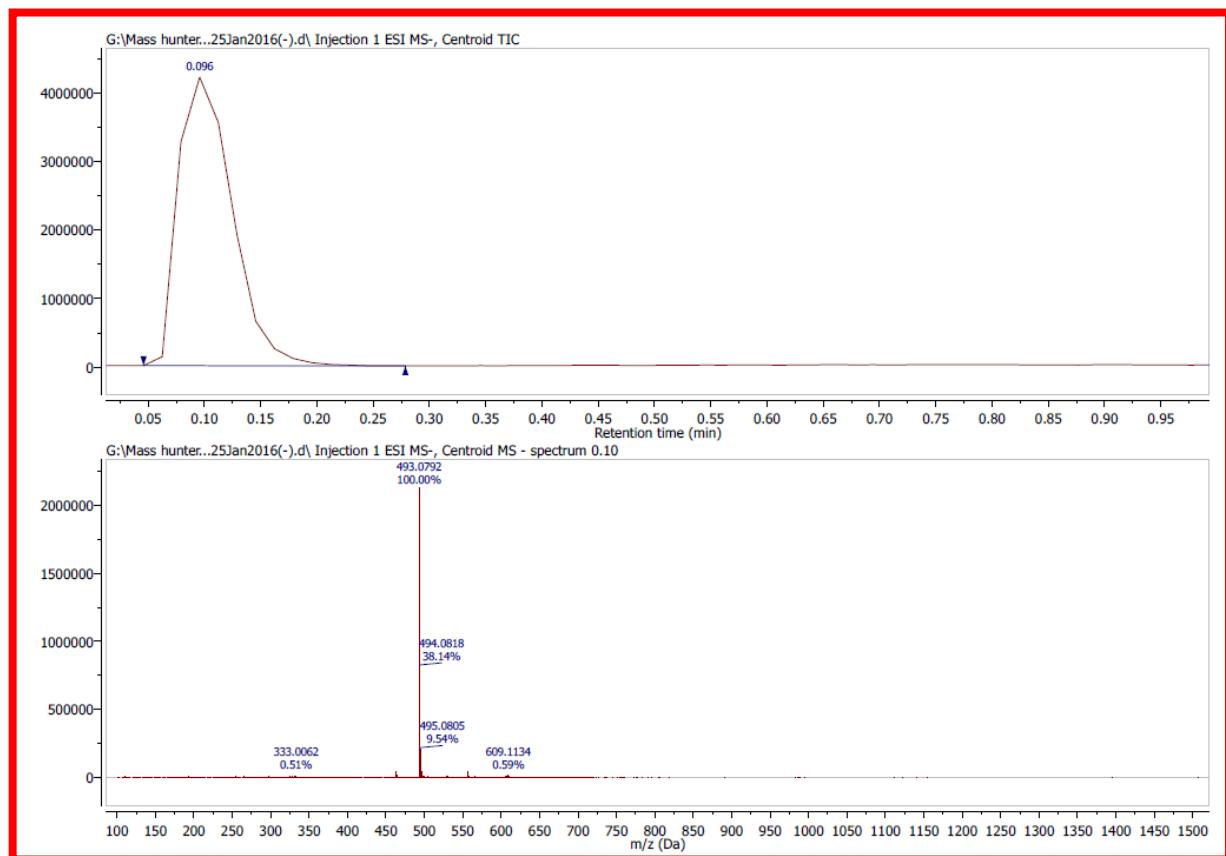
<sup>2</sup>Department of Pharmacognosy, Faculty of Pharmacy, Cairo University, Kasr El-Aini, Cairo 11562, Egypt

<sup>3</sup>National Center for Natural Products Research, School of Pharmacy, University of Mississippi, University, MS 38677, USA

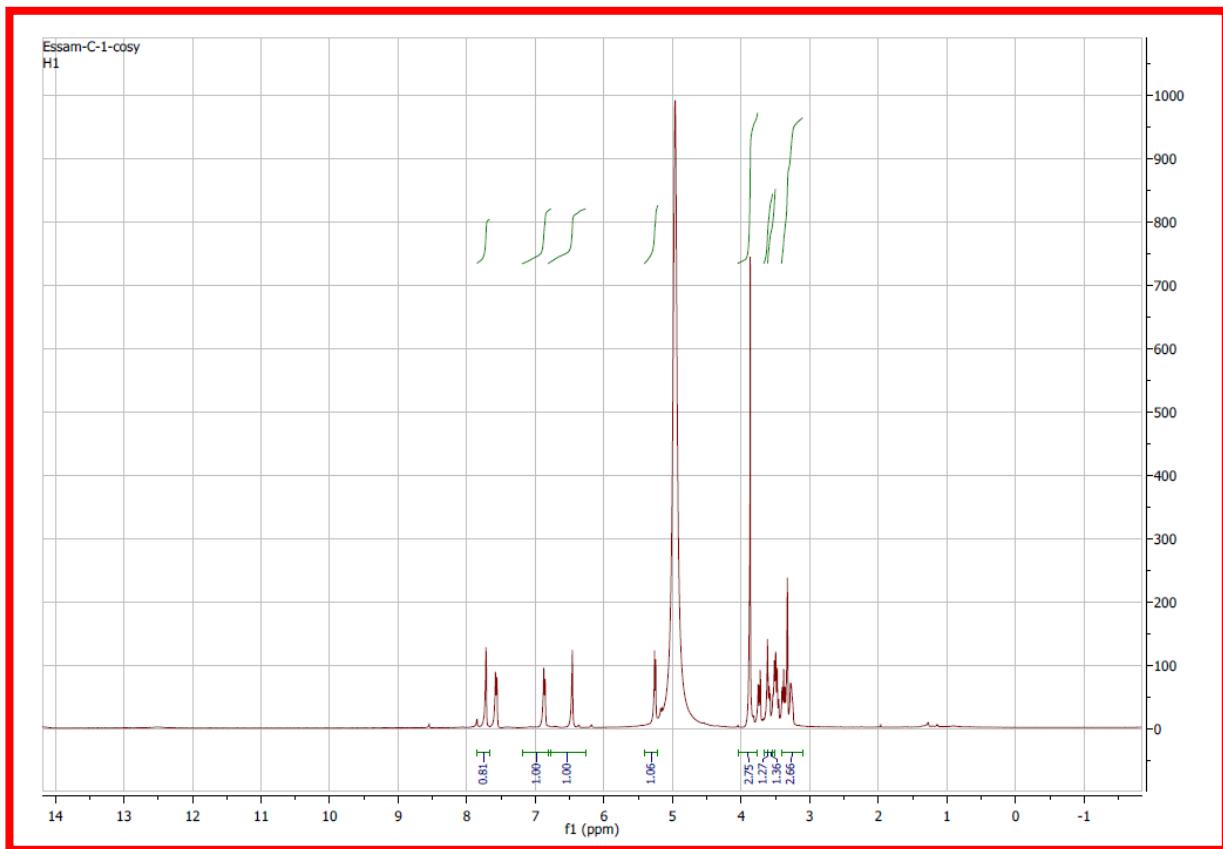
<sup>4</sup>Department of Biomolecular Sciences, Division of Pharmacognosy, School of Pharmacy, University of Mississippi, University, MS 38677, USA

#### Table of Contents

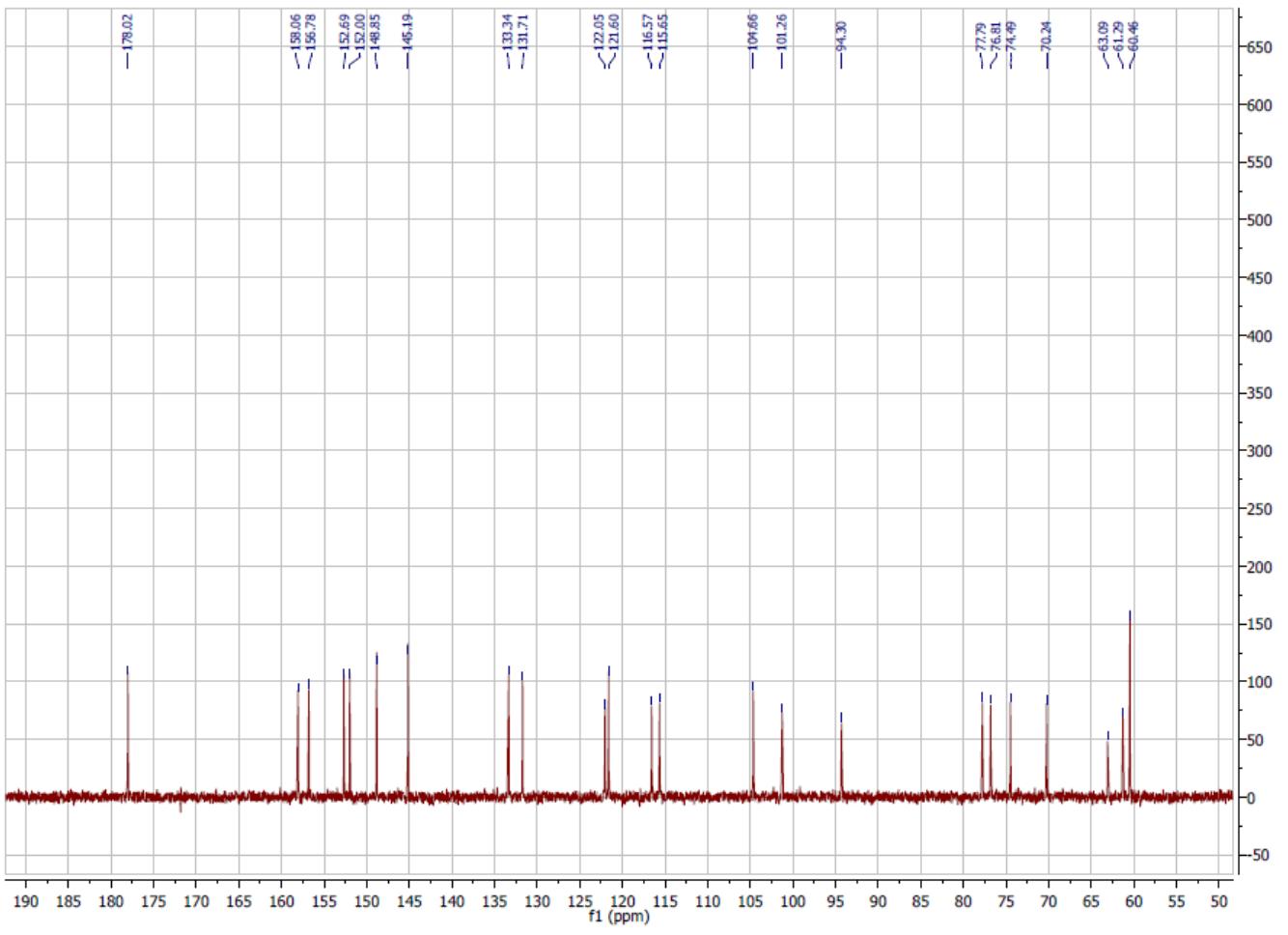
|  | Page |
|--|------|
| <b>S1:</b> HRESIMS Spectrum of <b>1</b> (commicarpiflavonol glucoside A)                               | 2    |
| <b>S2:</b> <sup>1</sup> H NMR (400 MHz, DMSO) Spectrum of <b>1</b> (commicarpiflavonol glucoside A)    | 3    |
| <b>S3:</b> <sup>13</sup> C NMR (100, MHz, DMSO) Spectrum of <b>1</b> (commicarpiflavonol glucoside A)  | 4    |
| <b>S4:</b> DEPT (100, MHz, DMSO) Spectrum of <b>1</b> (commicarpiflavonol glucoside A)                 | 5    |
| <b>S5:</b> HMQC (400 MHz) Spectrum of <b>1</b> (commicarpiflavonol glucoside A)                        | 6    |
| <b>S6:</b> HMBC (400 MHz) Spectrum of <b>1</b> (commicarpiflavonol glucoside A)                        | 7    |
| <b>S7:</b> HRESIMS Spectrum of <b>2</b> (commicarpiflavonol glucoside B)                               | 8    |
| <b>S8:</b> <sup>1</sup> H NMR (400 MHz, DMSO) Spectrum of <b>2</b> (commicarpiflavonol glucoside B)    | 9    |
| <b>S9:</b> <sup>13</sup> C NMR (100, MHz, DMSO) Spectrum of <b>2</b> (commicarpiflavonol glucoside B)  | 10   |
| <b>S10:</b> DEPT (100, MHz, DMSO) Spectrum of <b>2</b> (commicarpiflavonol glucoside B)                | 11   |
| <b>S11:</b> HSQC (400 MHz) Spectrum of <b>2</b> (commicarpiflavonol glucoside B)                       | 12   |
| <b>S12:</b> HMBC (400 MHz) Spectrum of <b>2</b> (commicarpiflavonol glucoside B)                       | 13   |
| <b>S13:</b> Partial HMBC "Expansion A" (400 MHz) Spectrum of <b>2</b> (commicarpiflavonol glucoside B) | 14   |
| <b>S14:</b> Partial HMBC "Expansion B" (400 MHz) Spectrum of <b>2</b> (commicarpiflavonol glucoside B) | 15   |
| <b>S15:</b> Partial HMBC "Expansion C" (400 MHz) Spectrum of <b>2</b> (commicarpiflavonol glucoside B) | 16   |
| <b>S16:</b> Partial HMBC "Expansion D" (400 MHz) Spectrum of <b>2</b> (commicarpiflavonol glucoside B) | 17   |



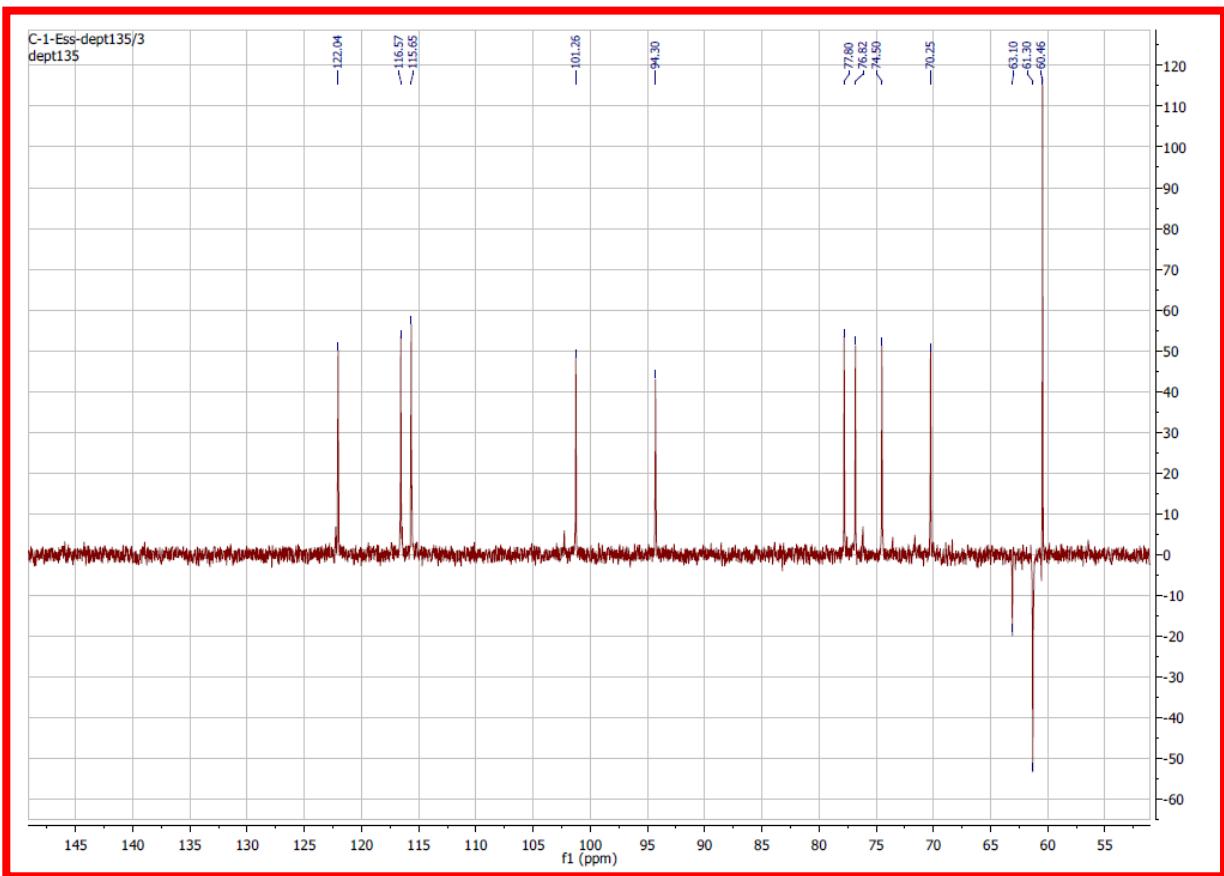
**S1:** HRESIMS Spectrum of **1** (commicarpiflavonol glucoside A)



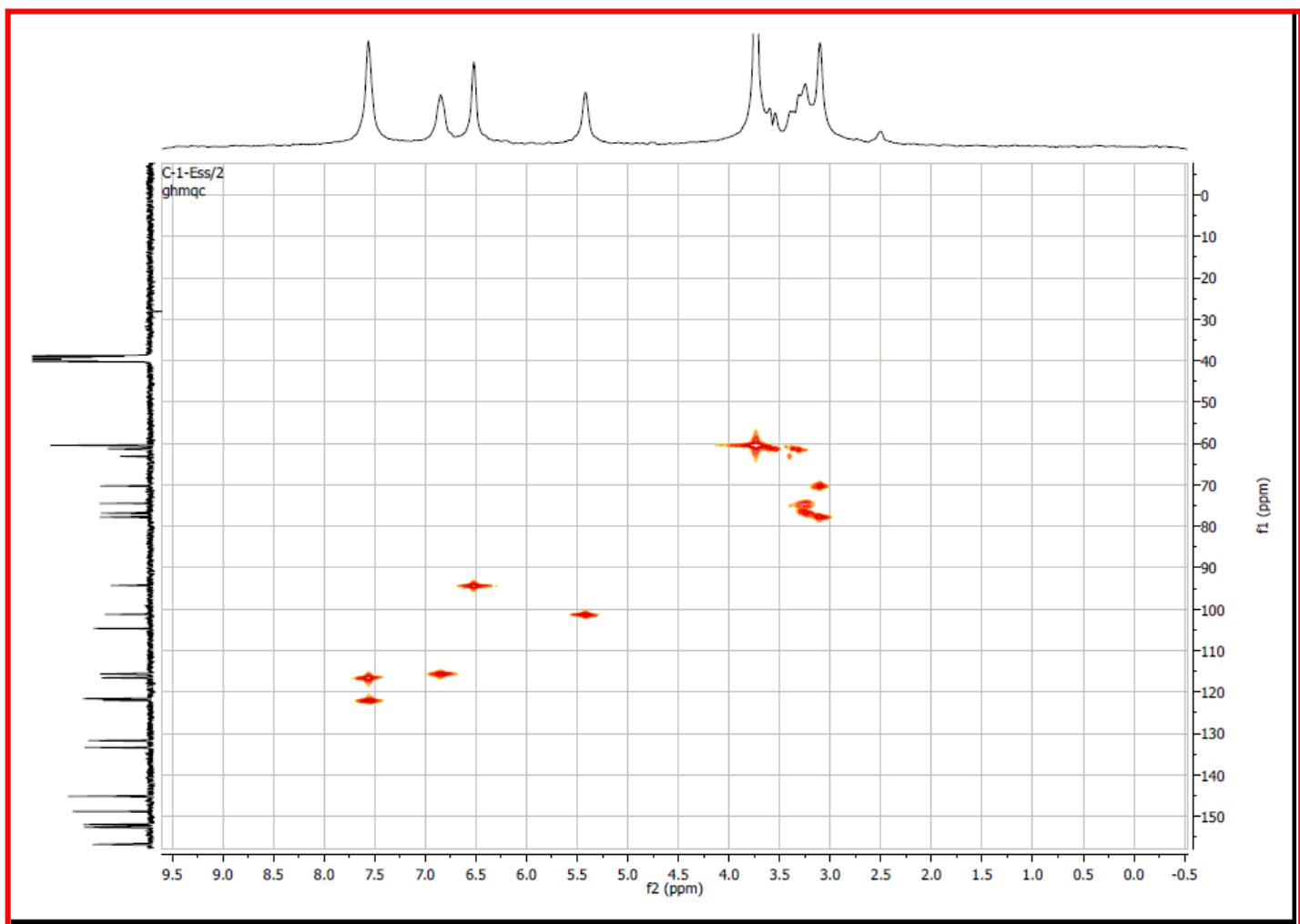
**S2:** <sup>1</sup>H NMR (400 MHz, DMSO) Spectrum of **1** (commicarpiflavonol glucoside A)



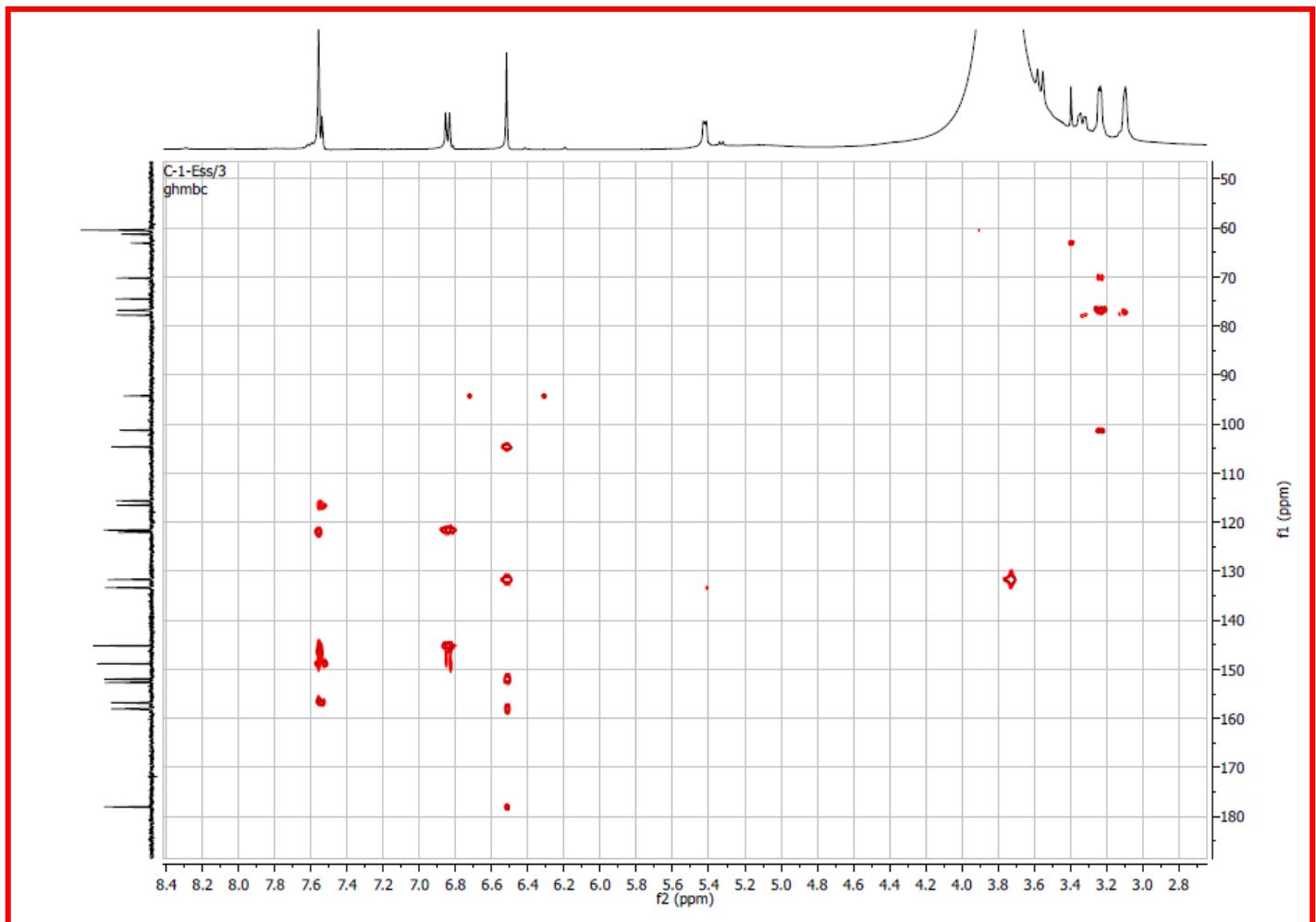
**S3:**  $^{13}\text{C}$  NMR (100, MHz, DMSO) Spectrum of **1** (commicarpiflavonol glucoside A)



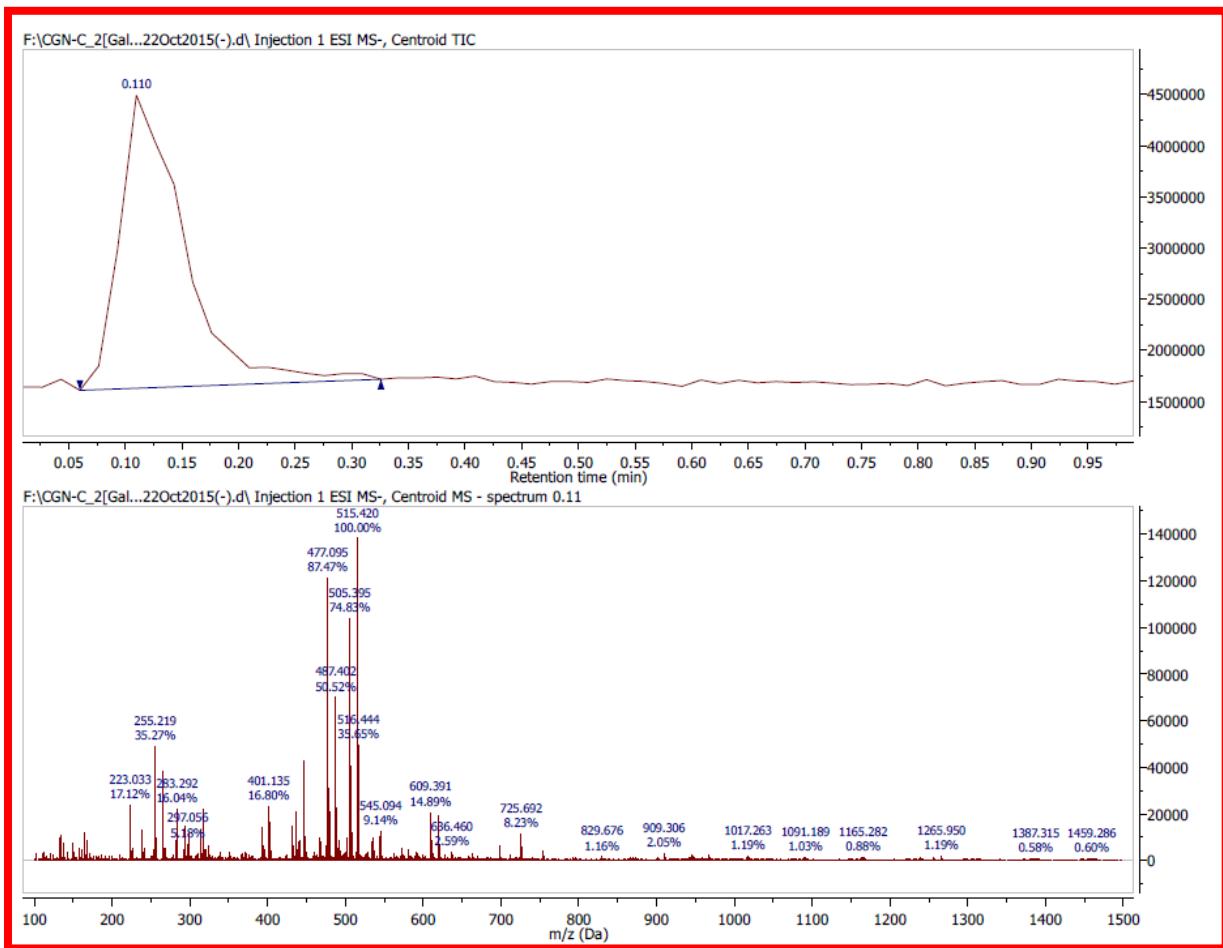
**S4:** DEPT (100, MHz, DMSO) Spectrum of **1** (commicarpiflavonol glucoside A)



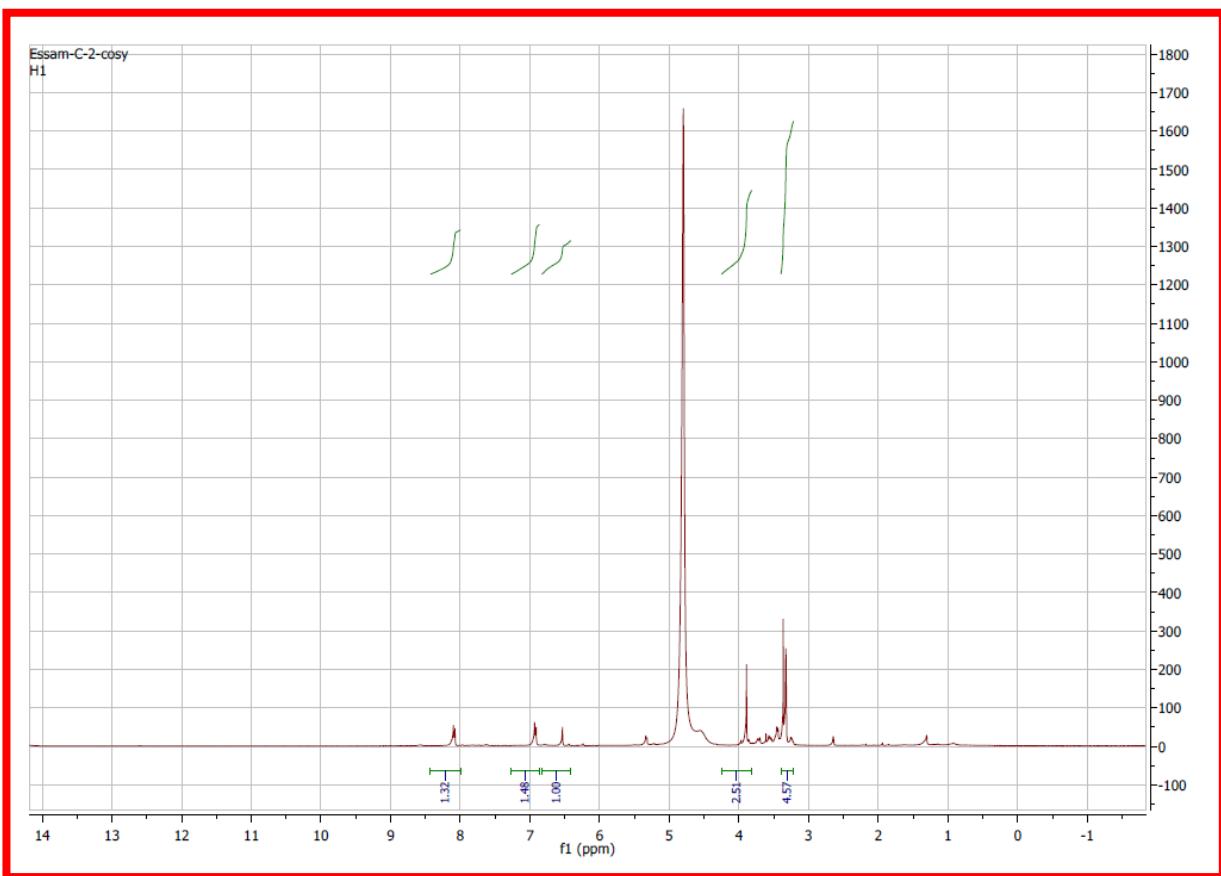
**S5:** HMQC (400 MHz) Spectrum of **1** (commicarpiflavonol glucoside A)



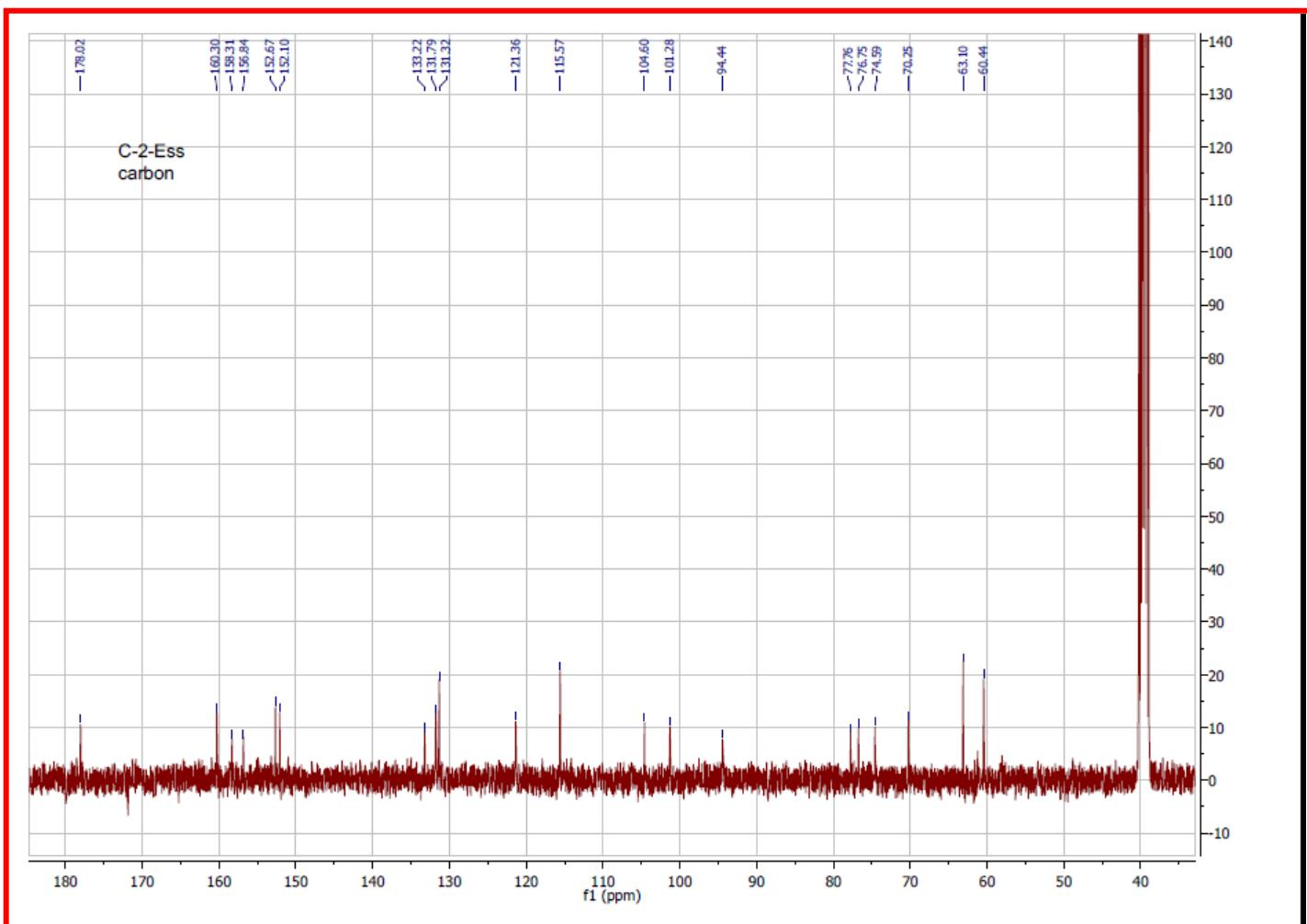
**S6:** HMBC (400 MHz) Spectrum of **1** (commicarpiflavonol glucoside A)



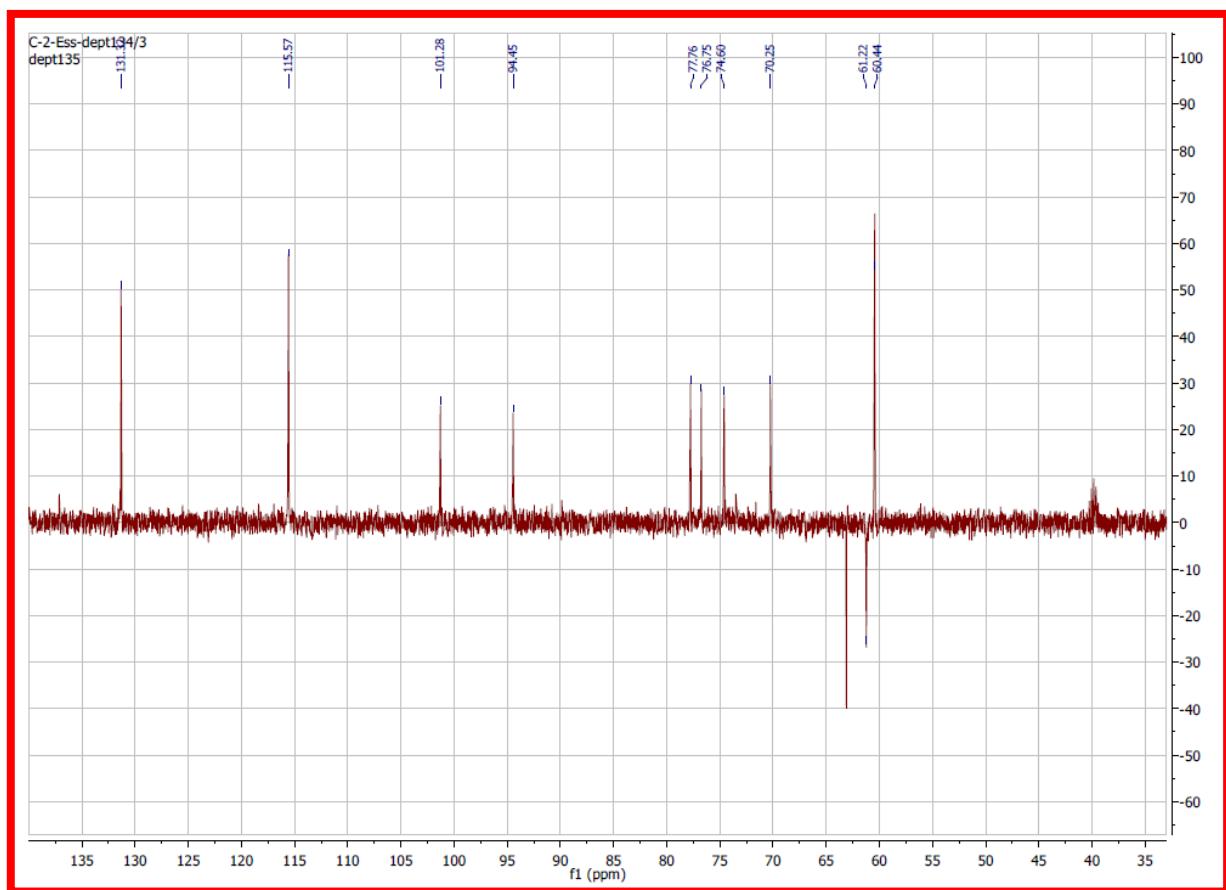
**S7:** HRESIMS Spectrum of **2** (commicarpiflavonol glucoside B)



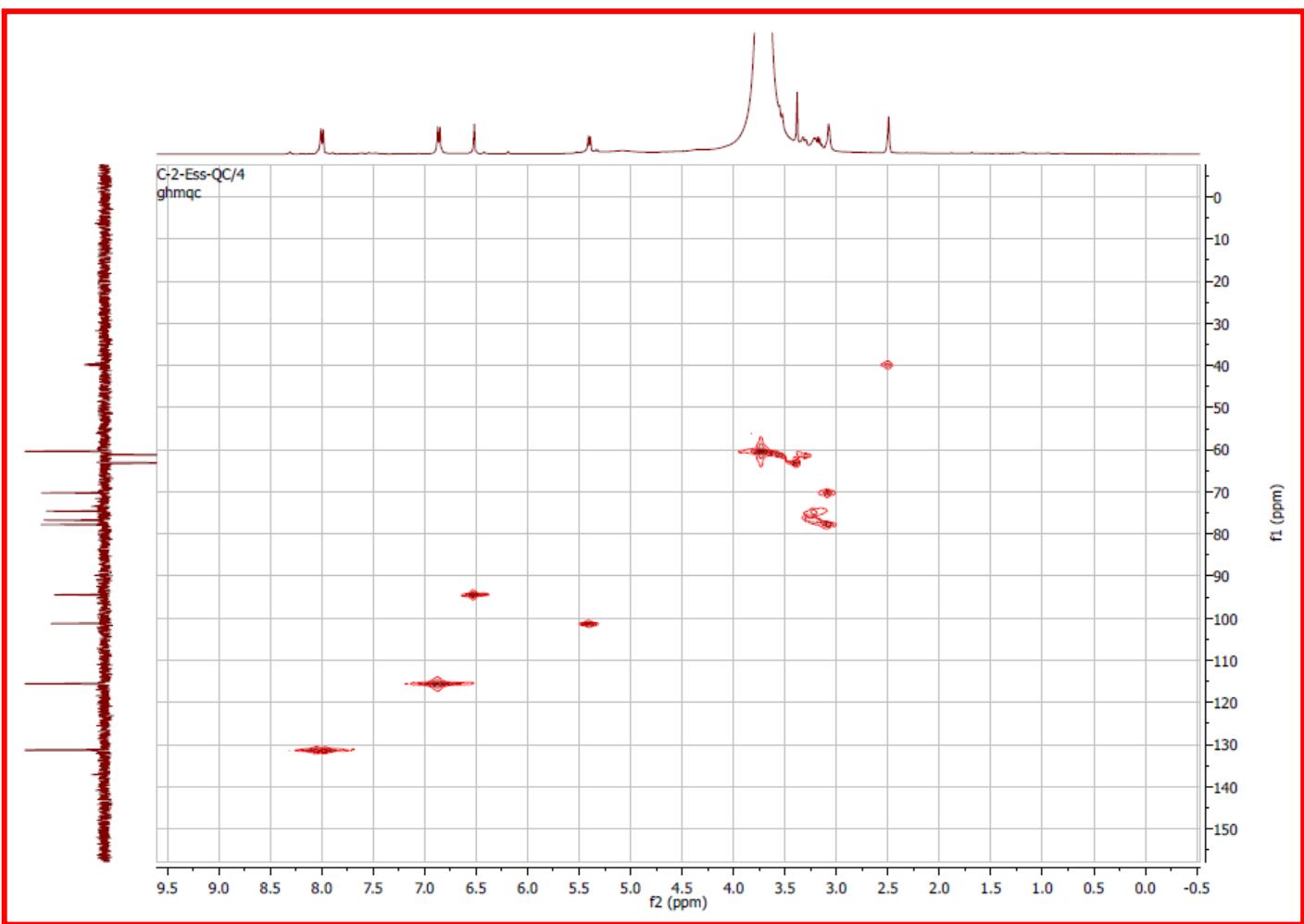
**S8:** <sup>1</sup>H NMR (400 MHz, DMSO) Spectrum of **2** (commicarpiflavonol glucoside B)



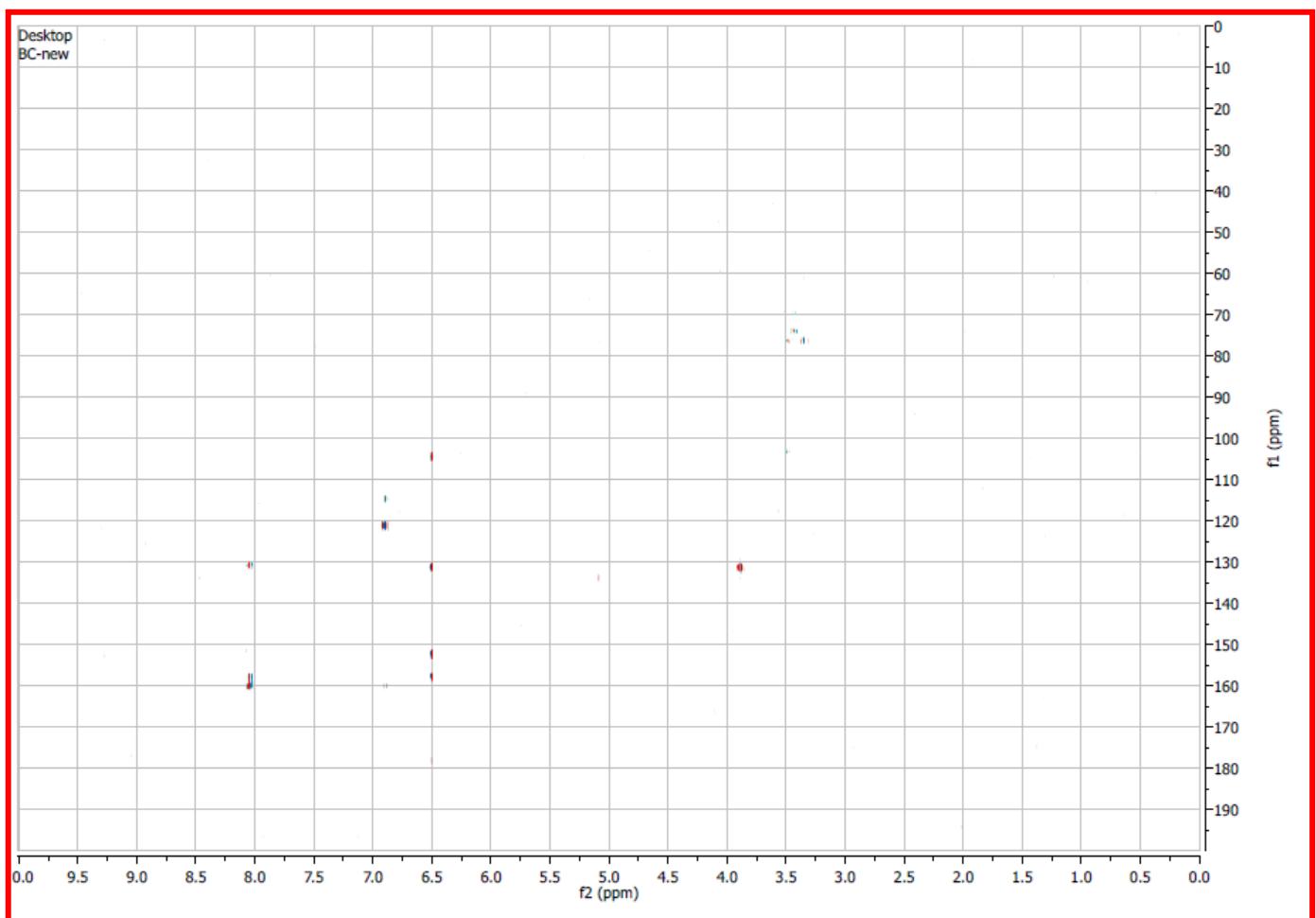
**S9:**  $^{13}\text{C}$  NMR (100, MHz, DMSO) Spectrum of **2** (commicarpiflavonol glucoside B)



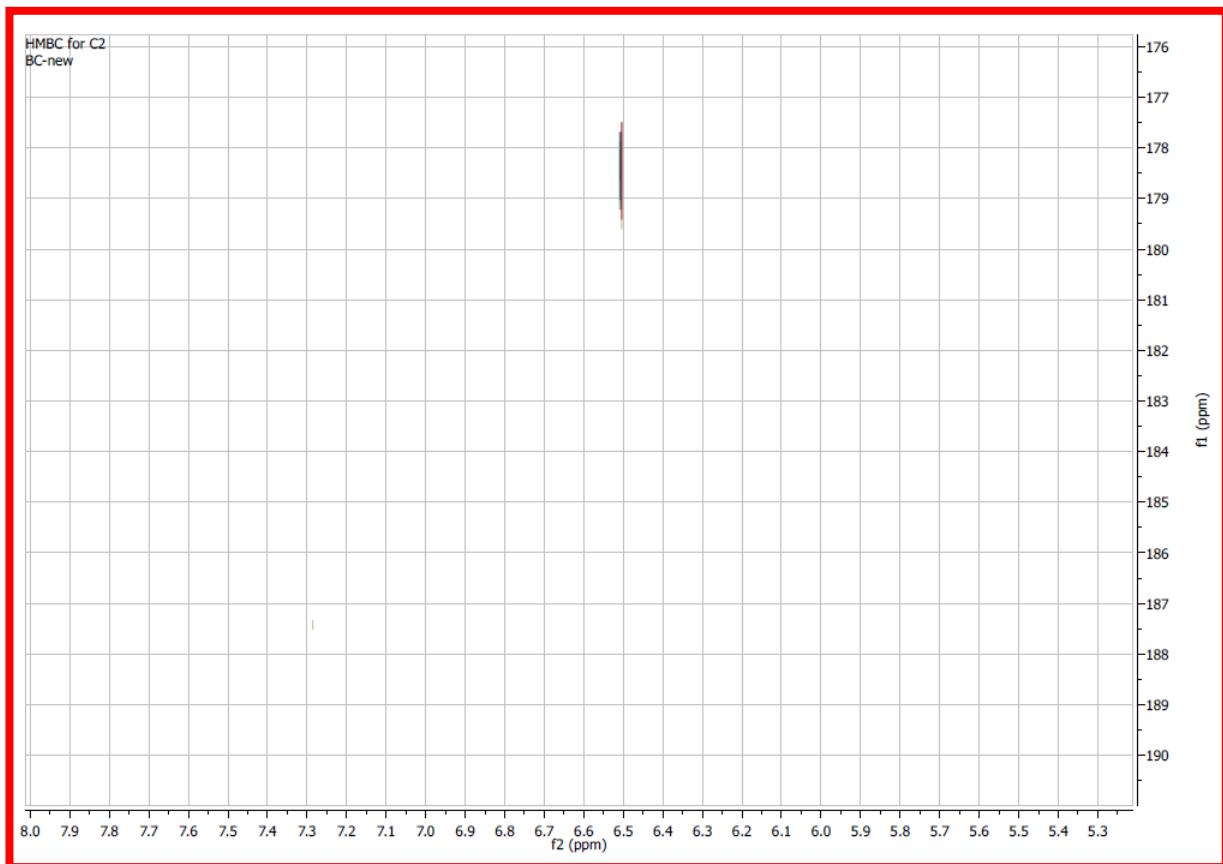
**S10:** DEPT (100, MHz, DMSO) Spectrum of **2** (commicarpiflavonol glucoside B)



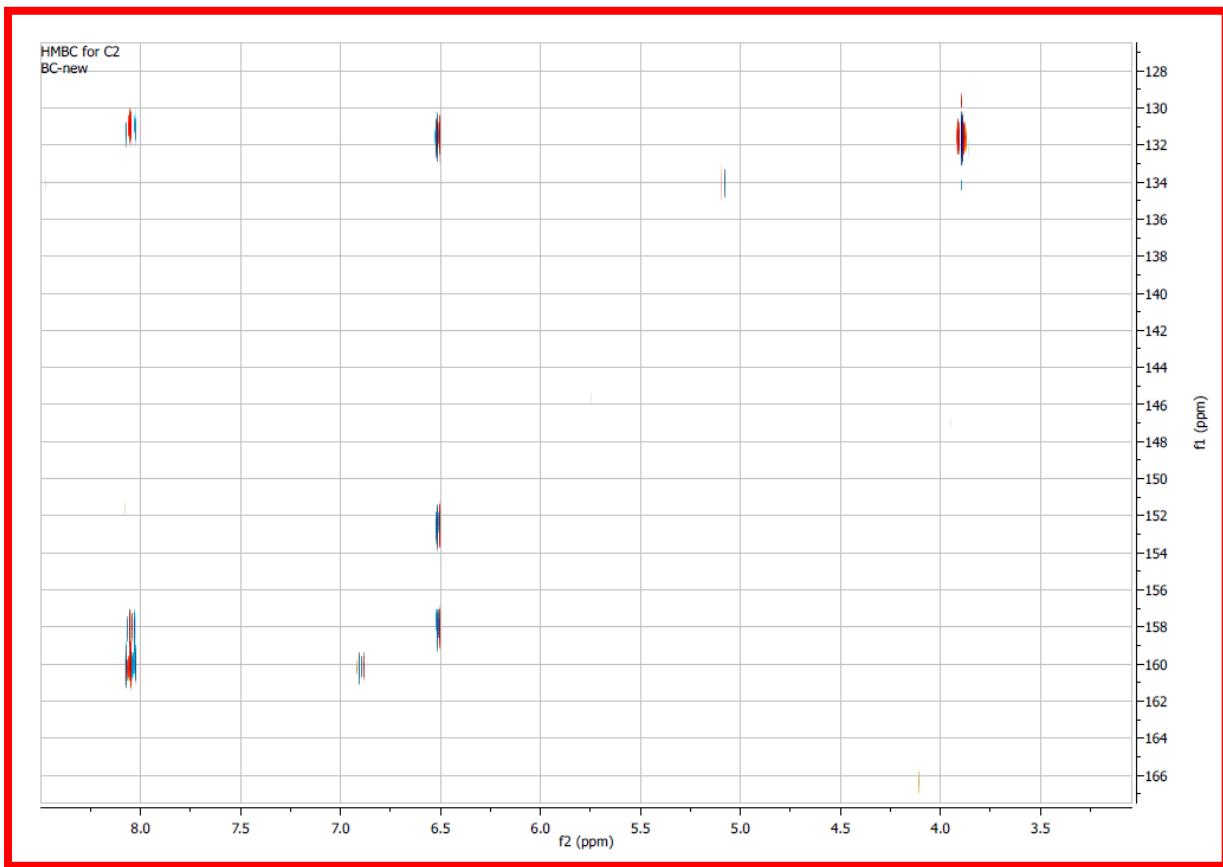
**S11:** HSQC (400 MHz) Spectrum of **2** (commicarpiflavonol glucoside B)



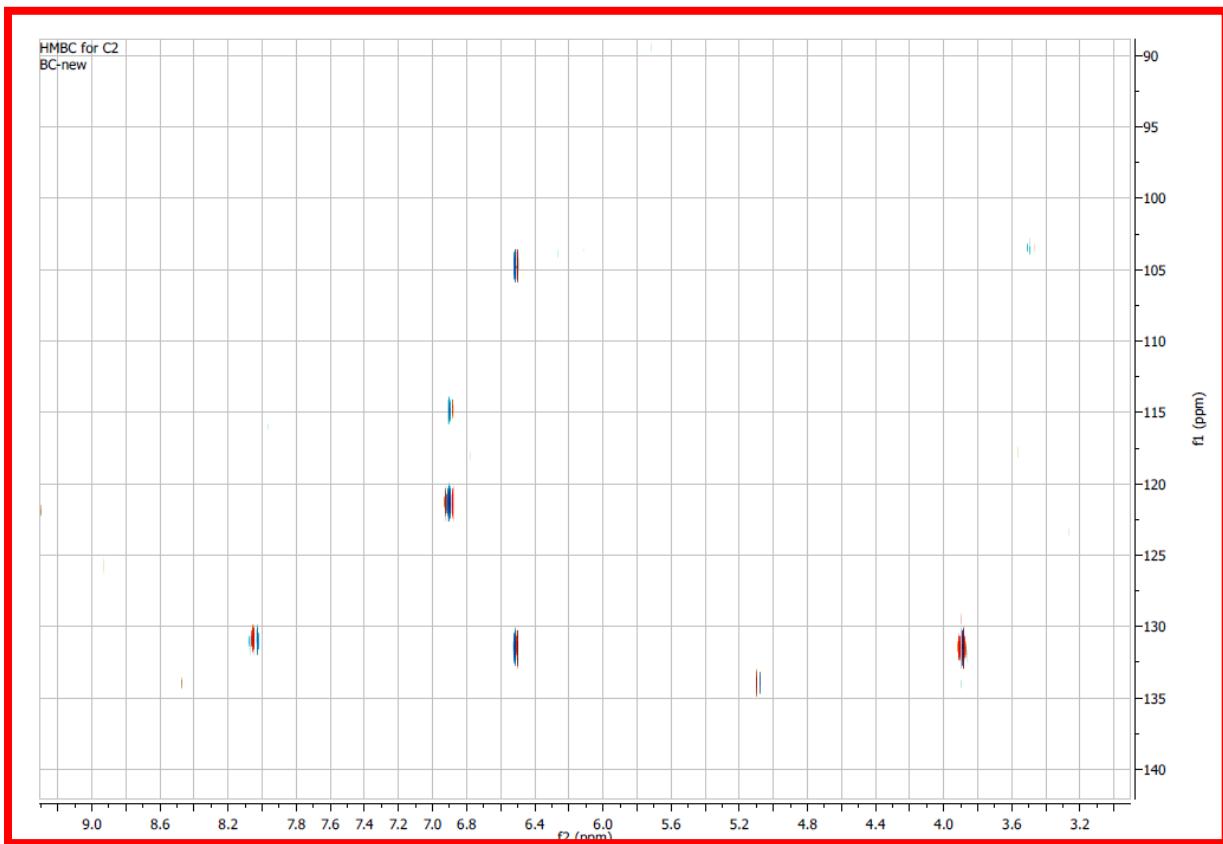
**S12:** HMBC (400 MHz) Spectrum of **2** (commicarpiflavonol glucoside B)



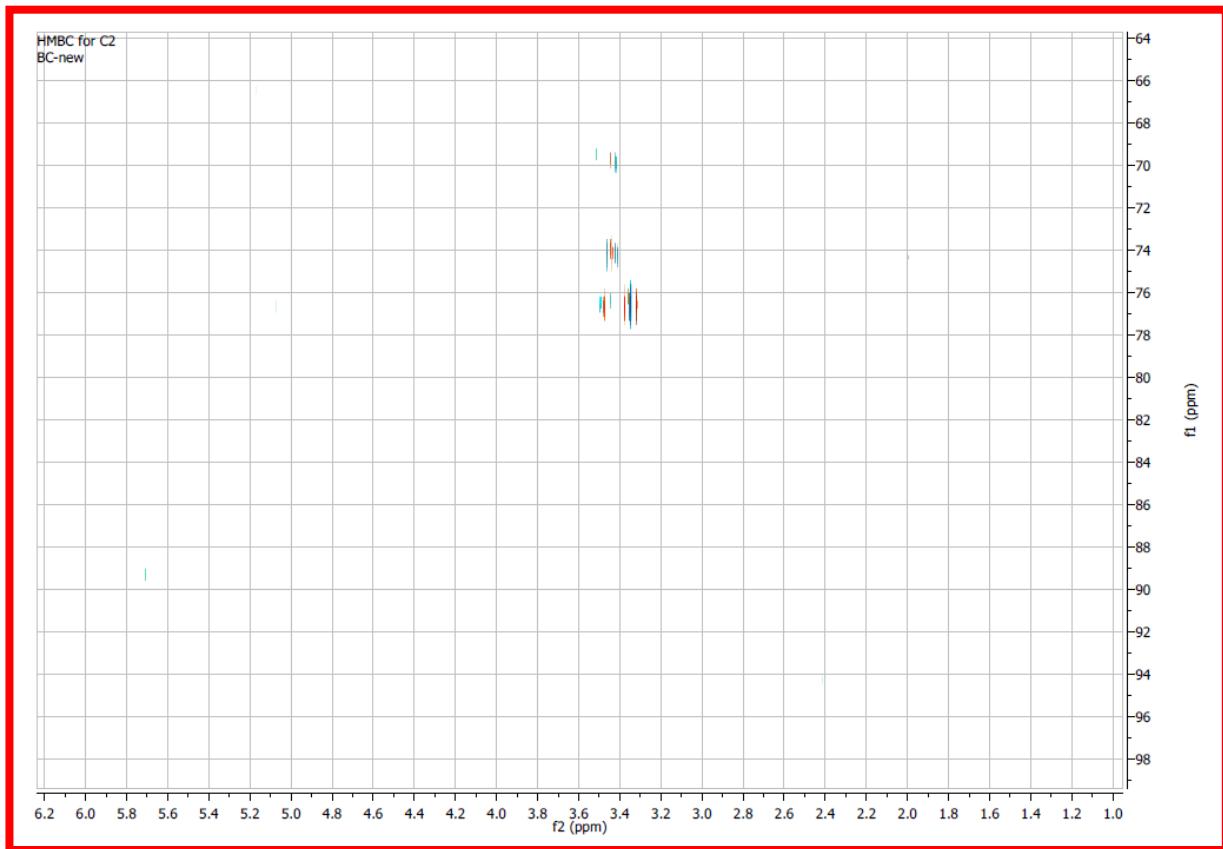
**S13:** Partial HMBC "Expansion A" (400 MHz) Spectrum of **2** (commicarpiflavonol glucoside B)



**S14:** Partial HMBC "Expansion B" (400 MHz) Spectrum of **2** (commicarpiflavonol glucoside B)



**S15:** Partial HMBC "Expansion C" (400 MHz) Spectrum of **2** (commicarpiflavonol glucoside B)



**S16:** Partial HMBC "Expansion D" (400 MHz) Spectrum of **2** (commicarpiflavonol glucoside B)