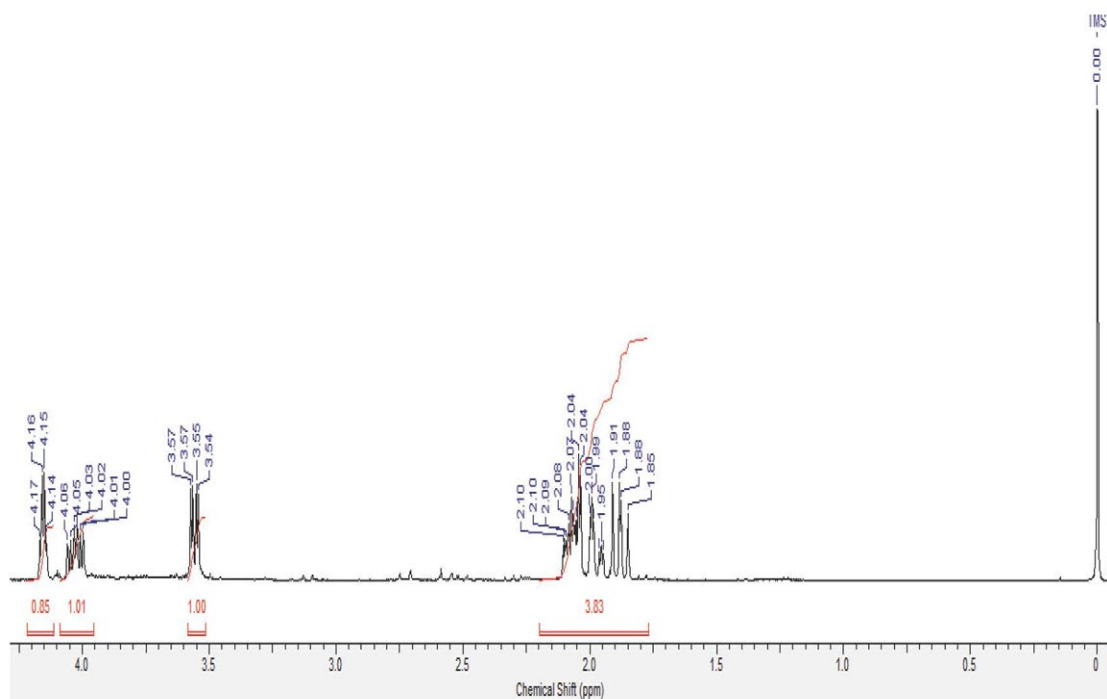


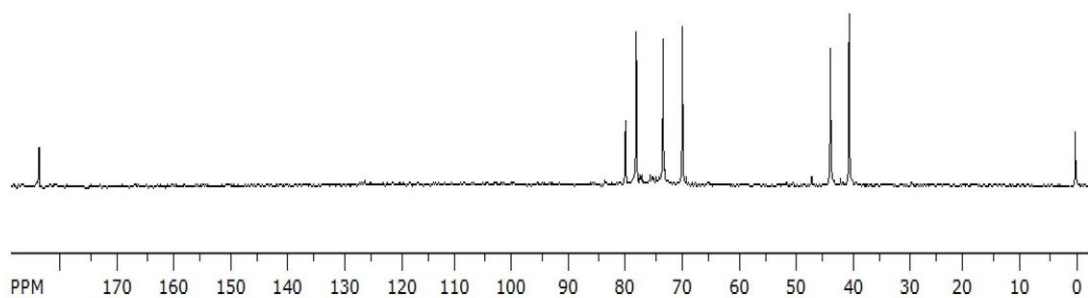
## Leishmanicidal Galloylquinic Acids are Noncompetitive Inhibitors of Arginase

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**Figure S1.** <sup>1</sup>H NMR spectrum of quinic acid (**1**) acquired at 400 MHz in D<sub>2</sub>O.



**Figure S2.** <sup>13</sup>C NMR spectrum of quinic acid (**1**) acquired at 100 MHz in D<sub>2</sub>O.

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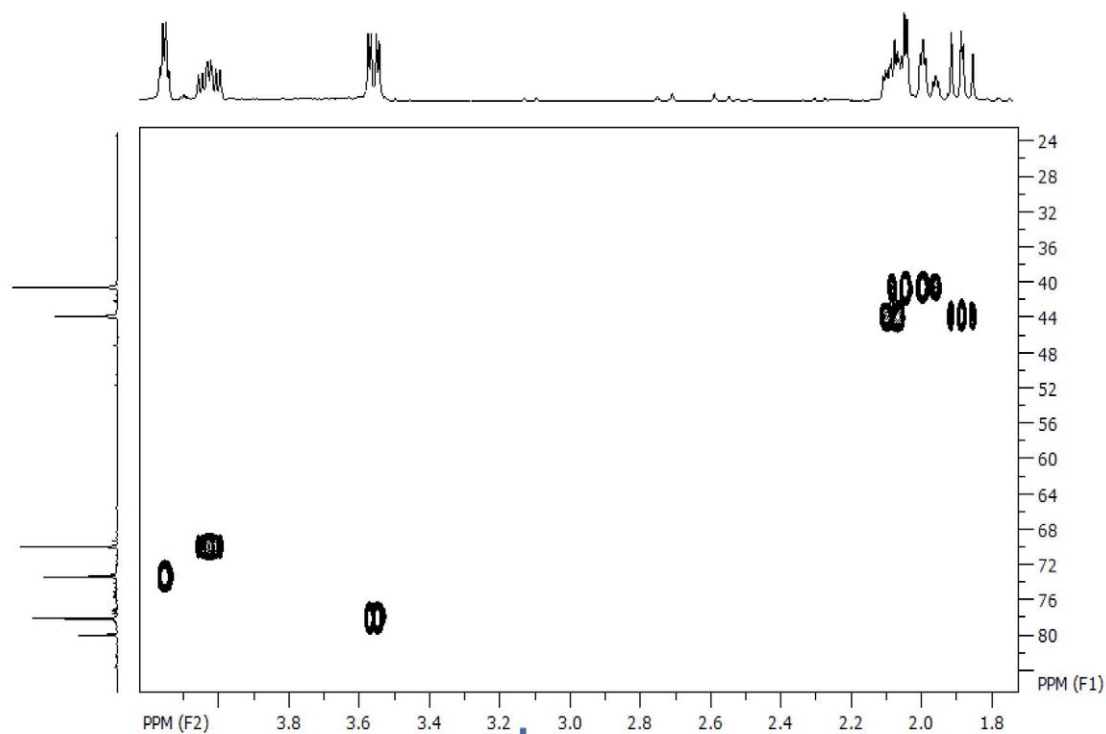


Figure S3. HSQC of quinic acid (1) acquired at 400 MHz in D<sub>2</sub>O.

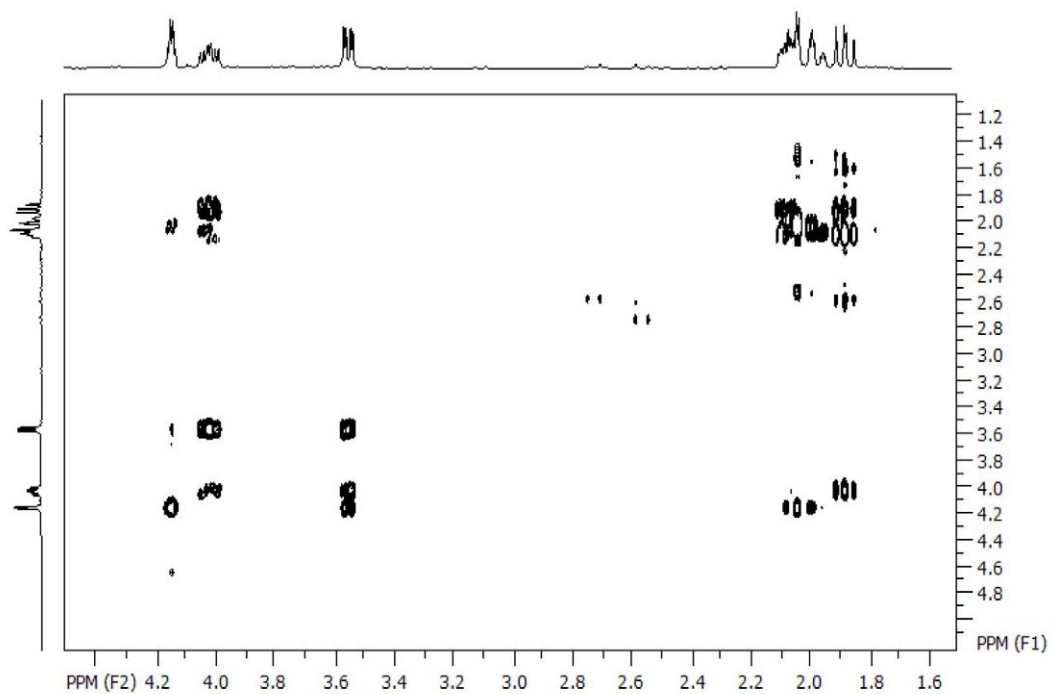


Figure S4. COSY of quinic acid (1) acquired at 400 MHz in D<sub>2</sub>O.

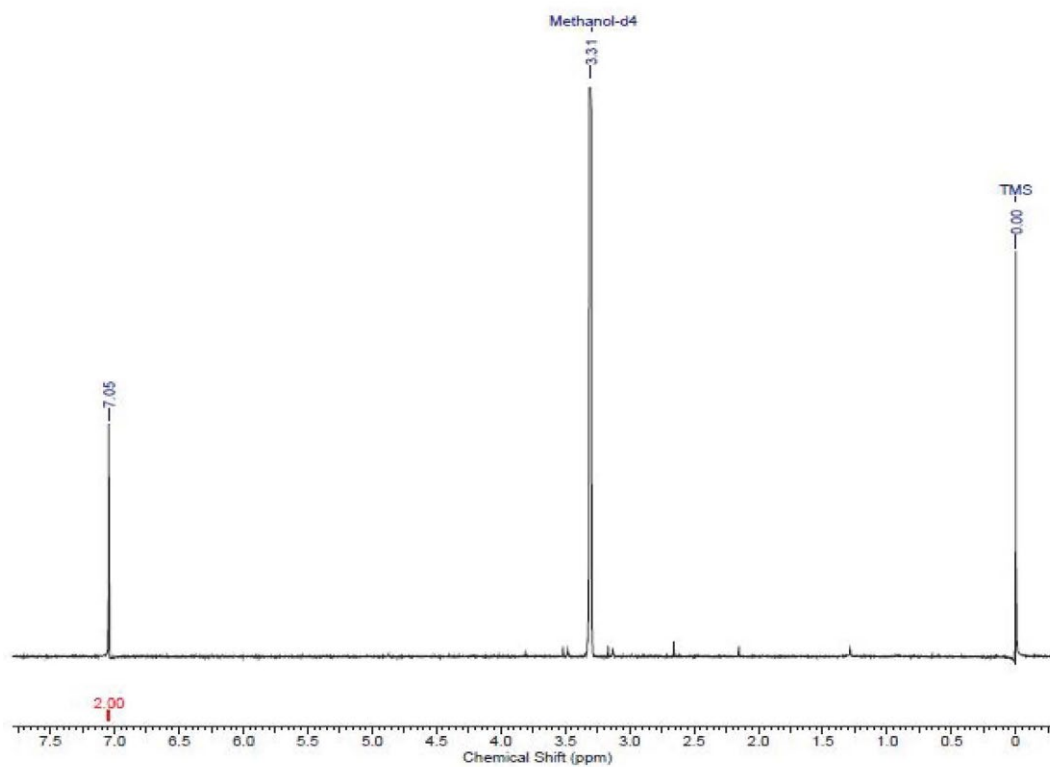


Figure S5.  $^1\text{H}$  NMR spectrum of gallic acid (**2**) acquired at 400 MHz in  $\text{MeOH-d}_4$ .

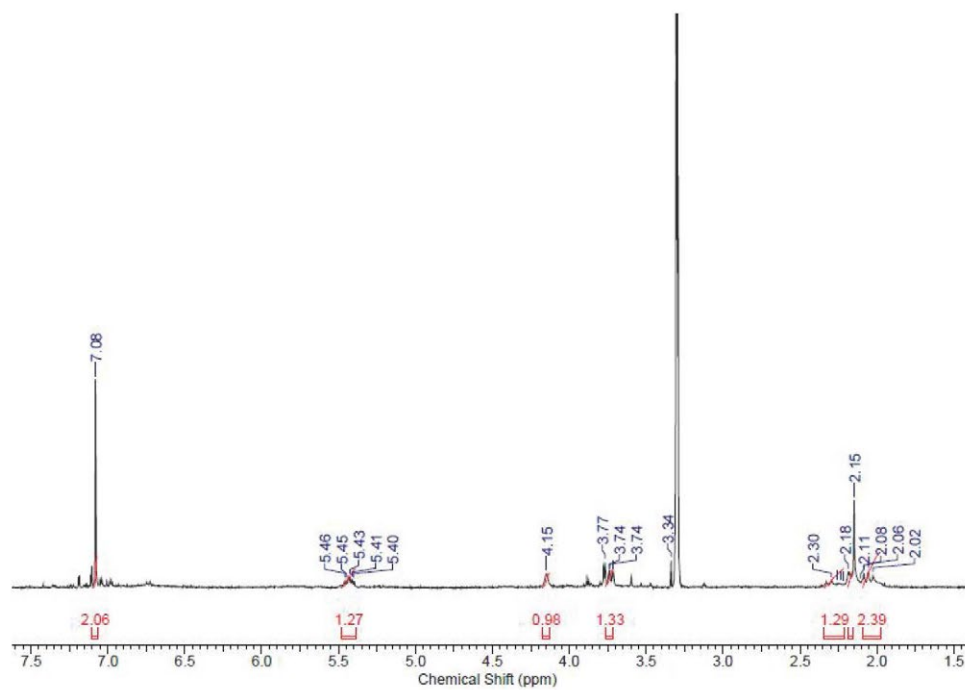
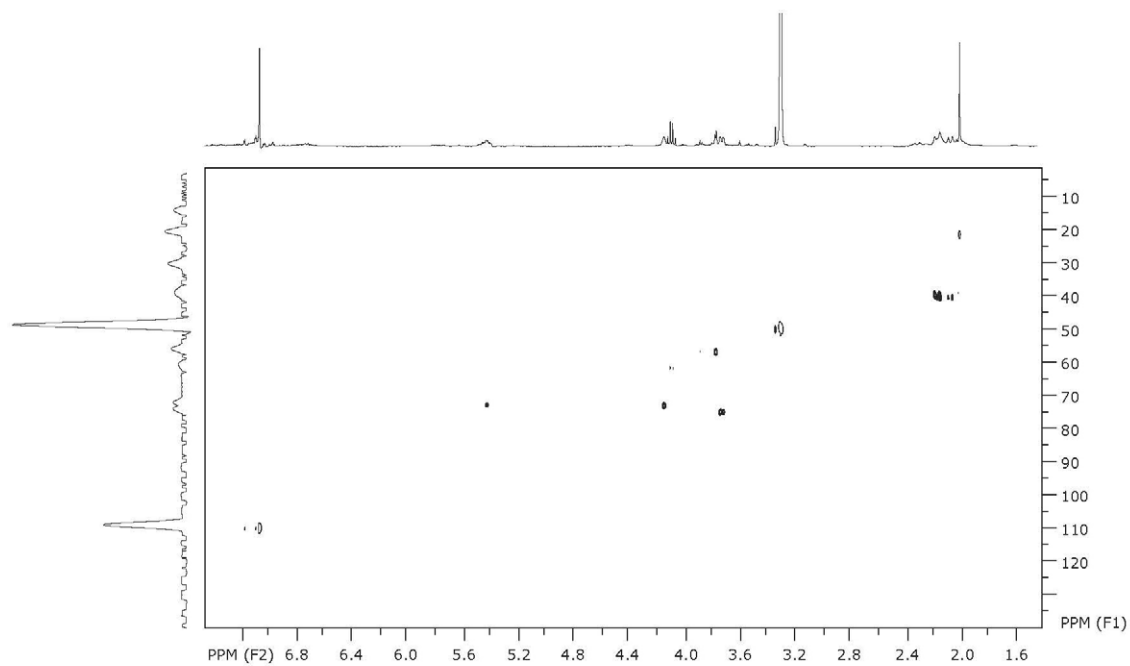
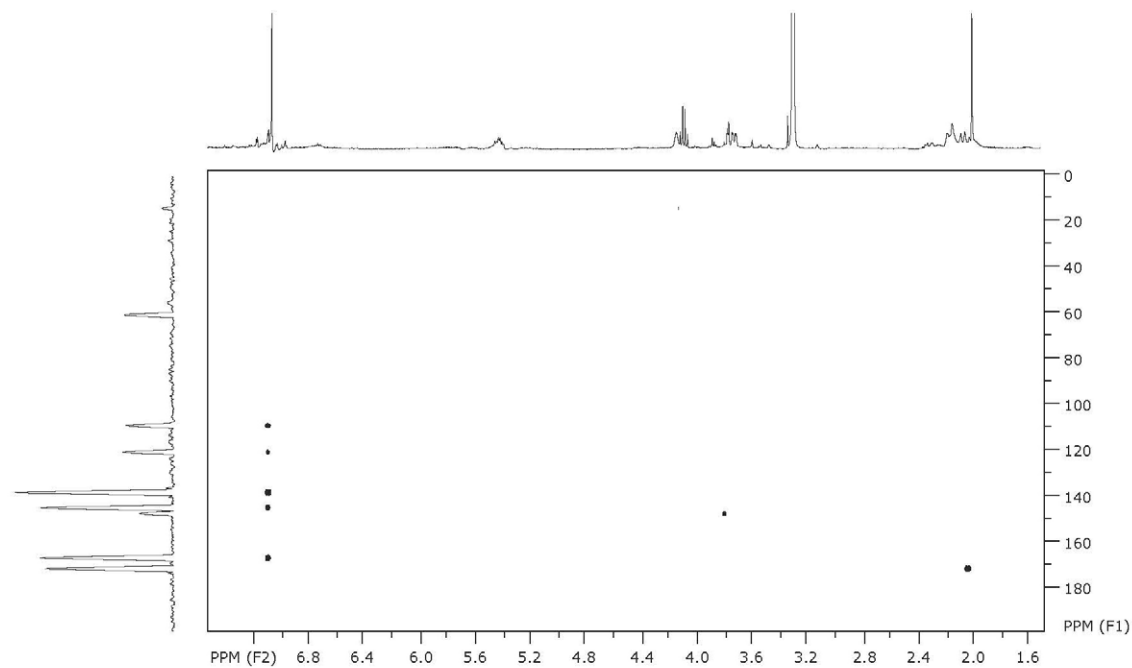


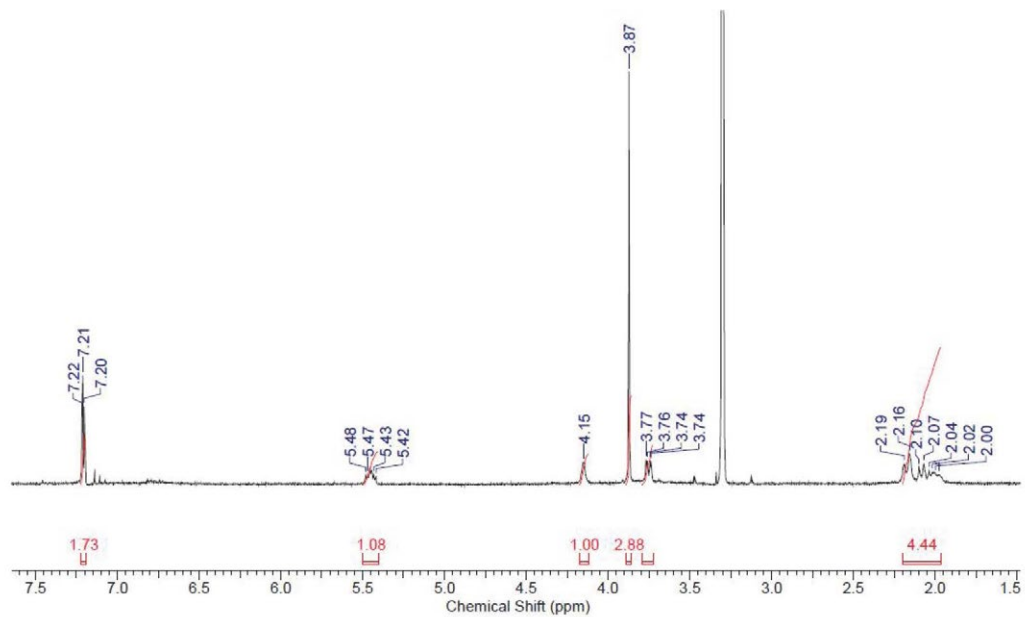
Figure S6.  $^1\text{H}$  NMR spectrum of 5-*O*-galloylquinic acid (**3**) acquired at 400 MHz in  $\text{MeOH-d}_4$ .



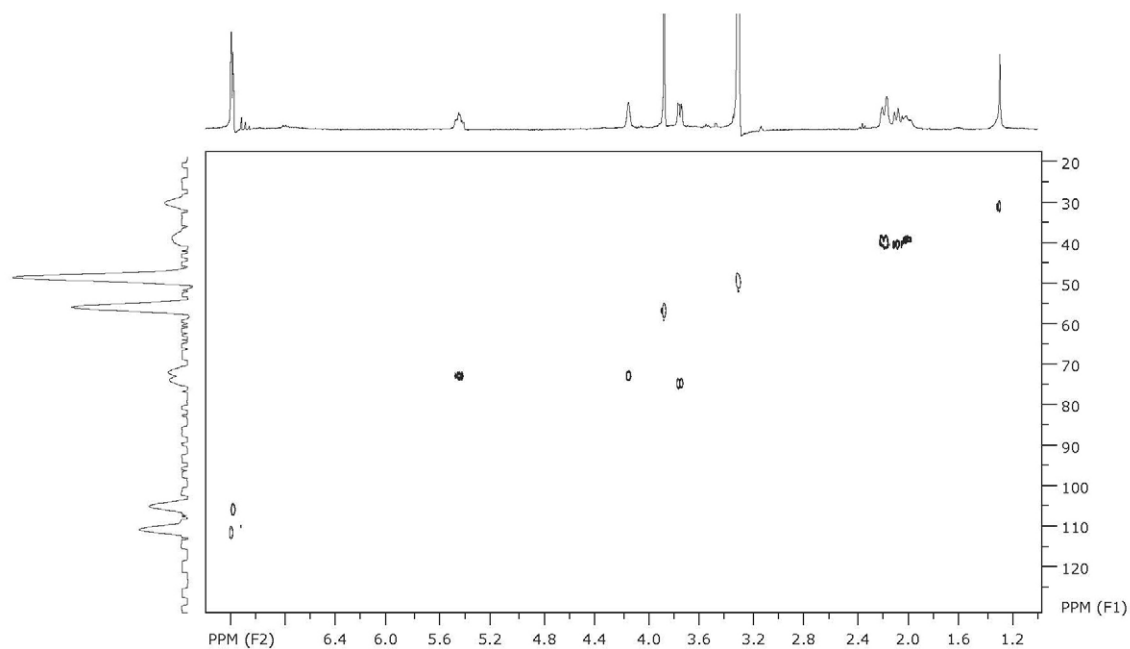
**Figure S7.** HSQC of 5-*O*-galloylquinic acid (**3**) acquired at 400 MHz in MeOH-*d*<sub>4</sub>.



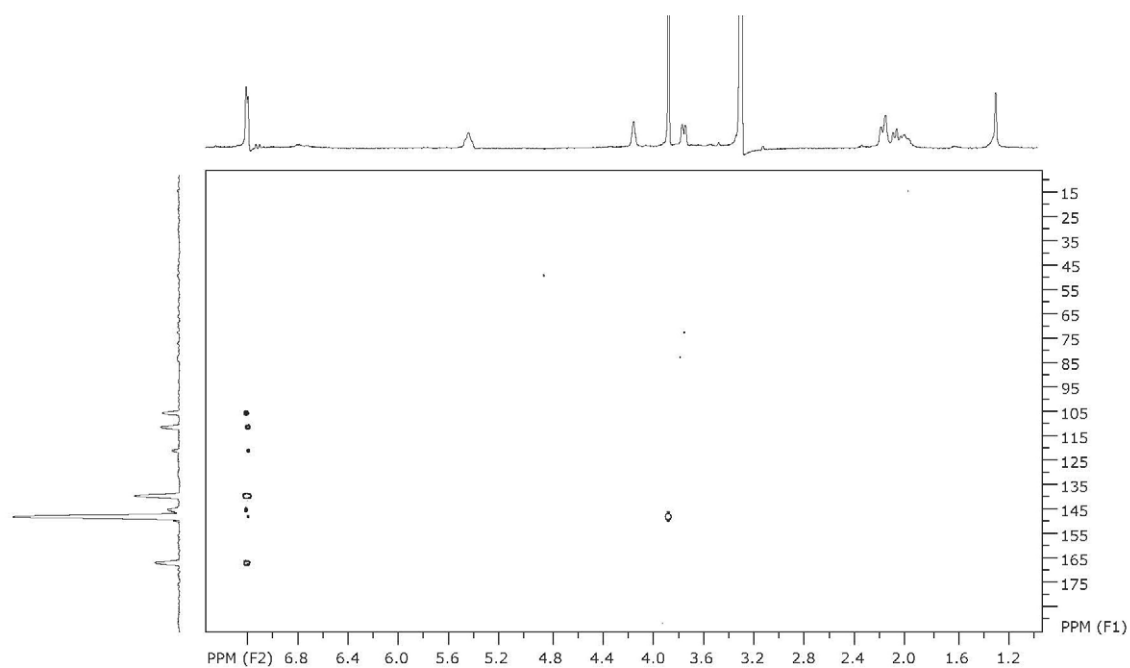
**Figure S8.** HMBC of 5-*O*-galloylquinic acid (**3**) acquired at 400 MHz in MeOH-*d*<sub>4</sub>.



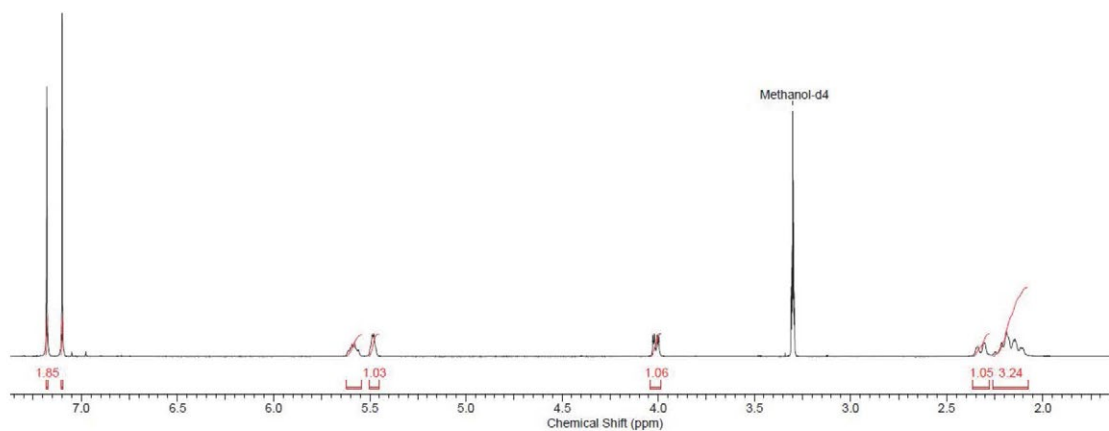
**Figure S9.**  $^1\text{H}$  NMR spectrum of 5-O-(3-methylgalloyl)-quinic acid (4) acquired at 400 MHz in  $\text{MeOH-}d_4$ .



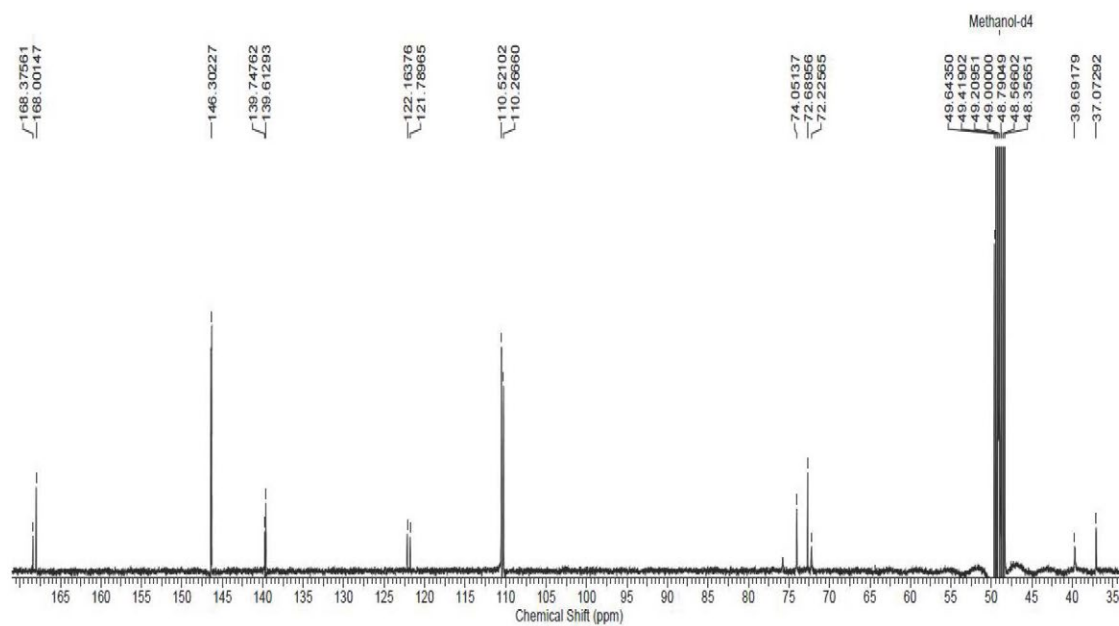
**Figure S10.** HSQC of 5-O-(3-methylgalloyl)-quinic acid (4) acquired at 400 MHz in  $\text{MeOH-}d_4$ .



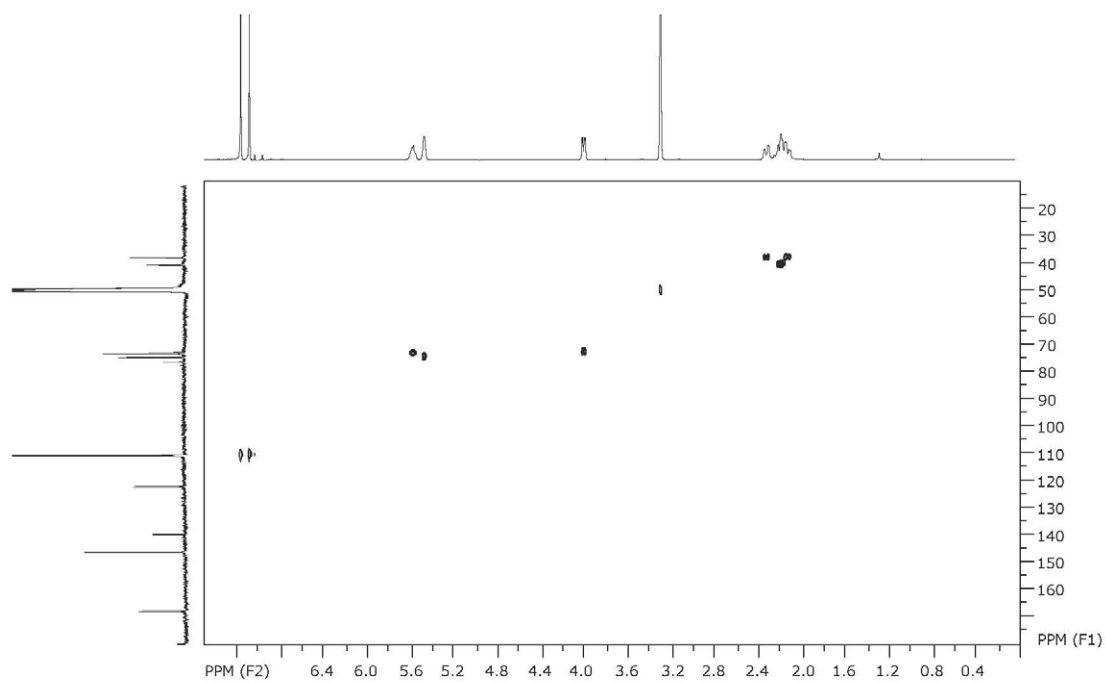
**Figure S11.** HMBC of 5-*O*-(3-methylgalloyl)-quinic acid (**4**) acquired at 400 MHz in MeOH- $d_4$ .



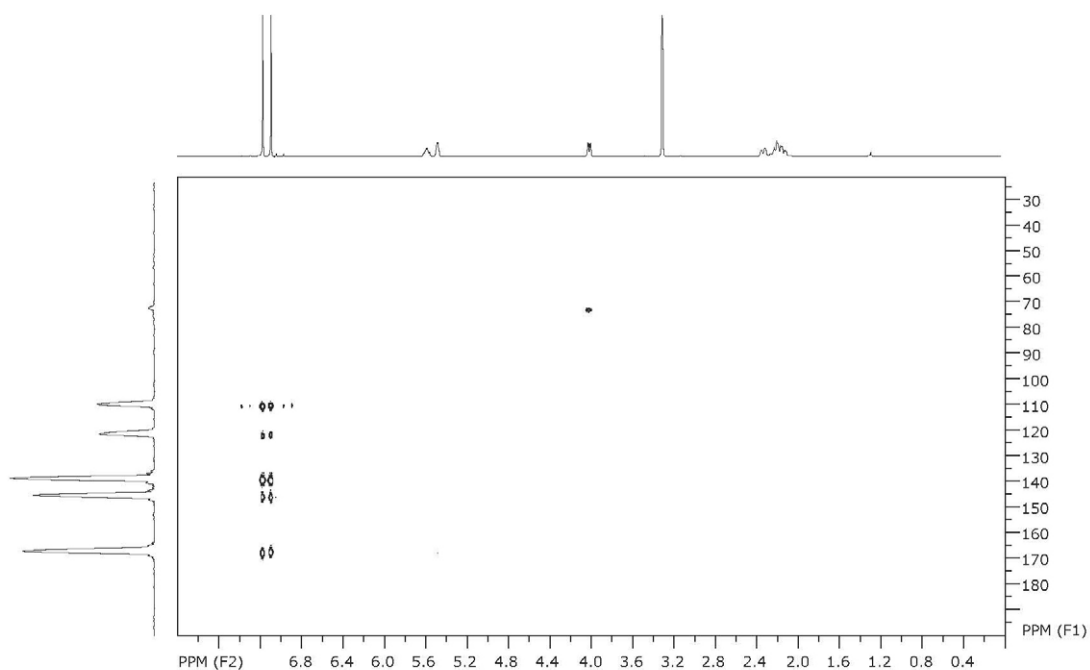
**Figure S12.**  $^1\text{H}$  NMR spectrum of 3,5-di-*O*-galloylquinic acid (**5**) acquired at 400 MHz in MeOH- $d_4$ .



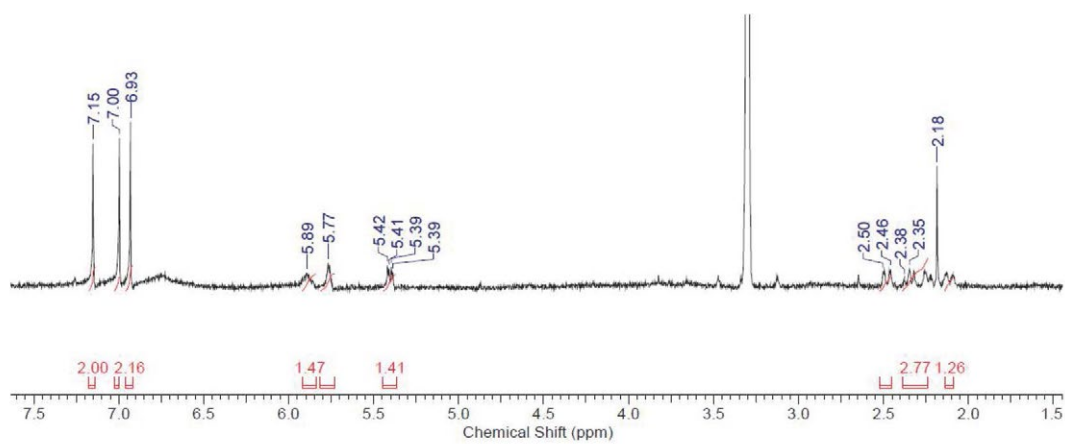
**Figure S13.**  $^{13}\text{C}$  NMR spectrum of 3,5-di-*O*-galloylquinic acid (**5**) acquired at 100 MHz in  $\text{MeOH-}d_4$ .



**Figure S14.** HSQC of 3,5-di-*O*-galloylquinic acid (**5**) acquired at 400 MHz in  $\text{MeOH-}d_4$ .

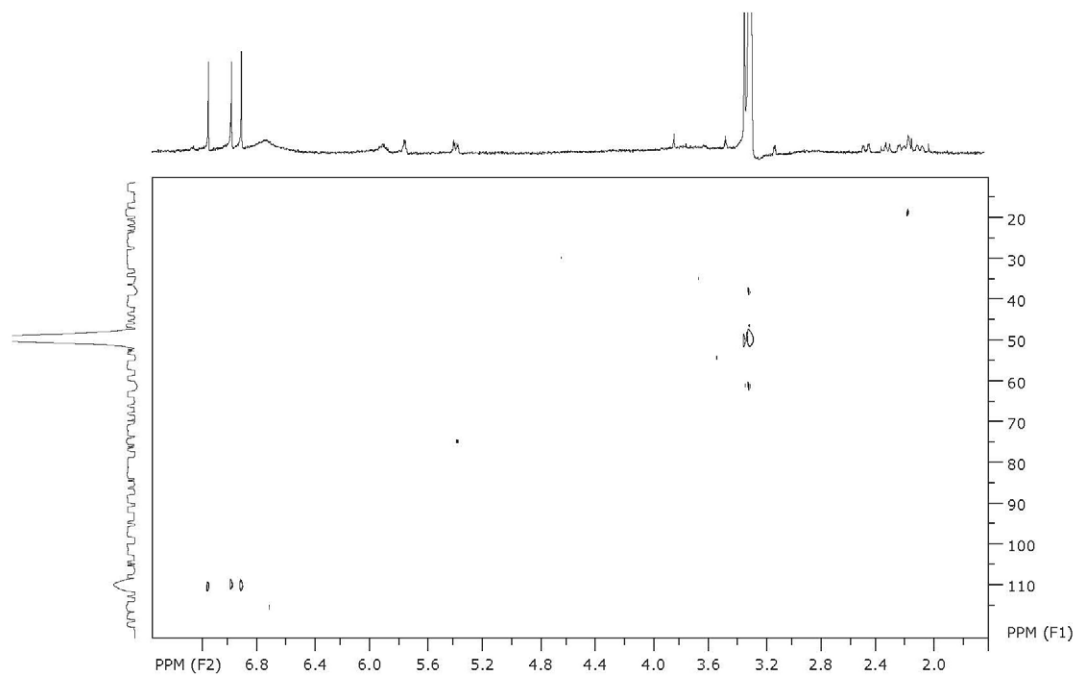


**Figure S15.** HMBC of 3,5-di-*O*-galloylquinic acid (**5**) acquired at 400 MHz in MeOH-*d*<sub>4</sub>.

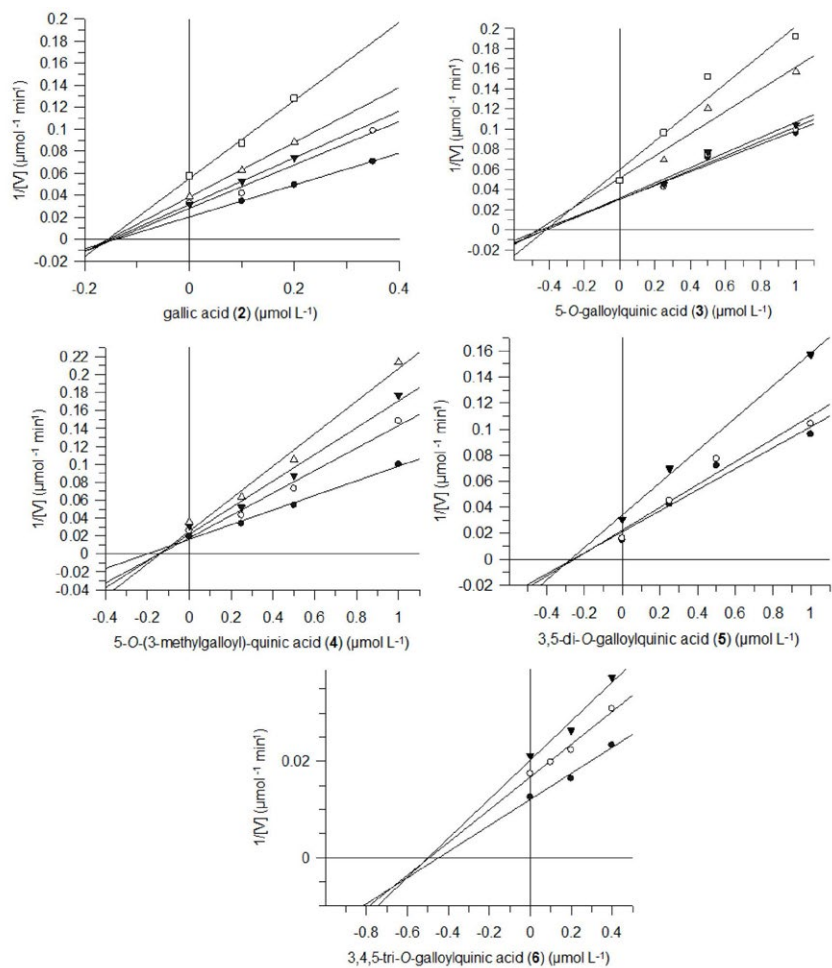


**Figure S16.** <sup>1</sup>H NMR spectrum of 3,4,5-tri-*O*-galloylquinic acid (**6**) acquired at 400 MHz in MeOH-*d*<sub>4</sub>.





**Figure S17.** HSQC of 3,4,5-tri-*O*-galloylquinic acid (**6**) acquired at 400 MHz in MeOH- $d_4$ .



**Figure S18.** Dixon plots of gallic acid **2** (A), 5-*O*-galloylquinic acid **3** (B), 5-*O*-(3-methylgalloyl)-quinic acid **4** (C), 3,5-di-*O*-galloylquinic acid **5** (D), 3,4,5-tri-*O*-galloylquinic acid **6** (E).