**Supplementary material for**

**Discovery of chemical constituents with anti-atopic dermatitis properties from *Aster koraiensis***

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**Figure S19.** Acid hydrolysis result for compound **1**. A: Extracted ion chromatogram (EIC) of derivatized D-xylose and L-xylose ($m/z$ = 414.5–415.5) B: MS/MS spectrum of D-xylose (left) and compound **1** (right; $t_R$ 14.6 min)

**Figure S1**. HR-ESI-MS spectrum of compound **1**

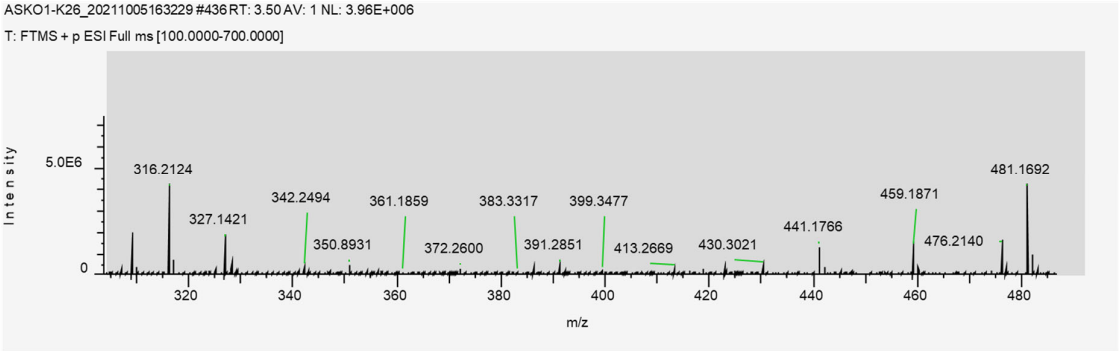



**Figure S2**. $^{1}$H NMR spectrum of compound **1** (500 MHz, methanol-$d_4$)

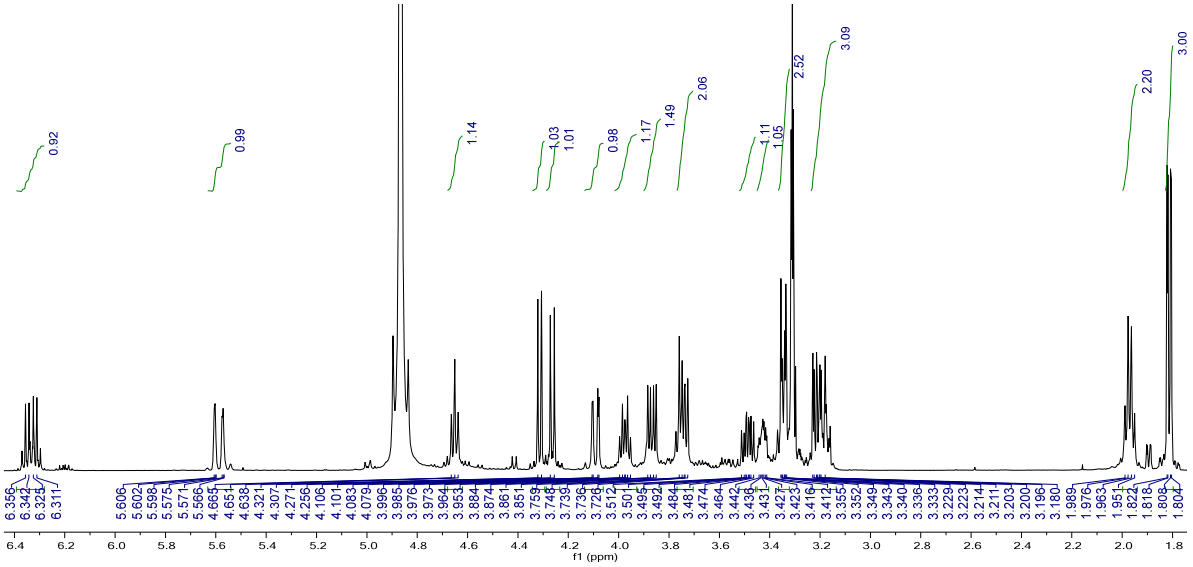



**Figure S3**. $^{13}$C NMR spectrum of compound **1** (125 MHz, methanol-$d_4$)

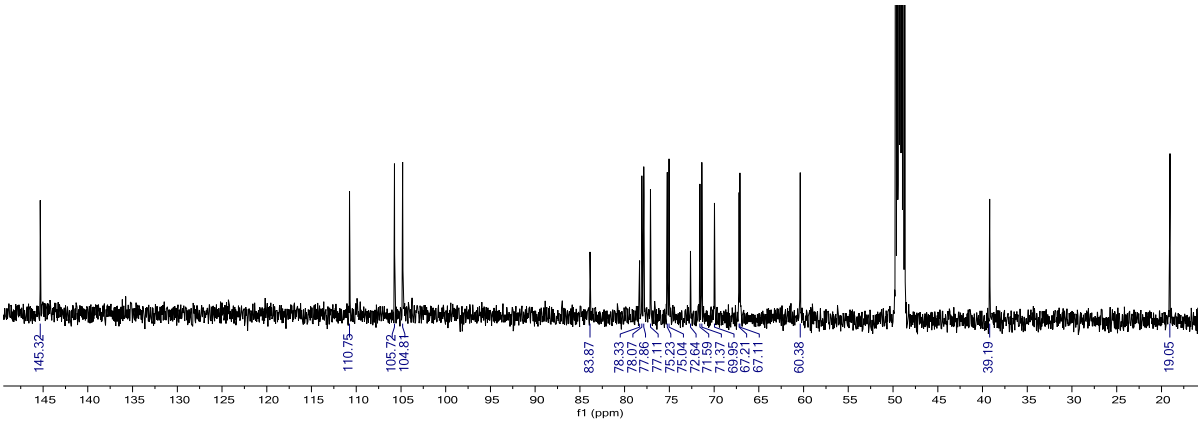


**Figure S4**. $^{1}H$-$^{13}C$ HSQC spectrum of compound **1**

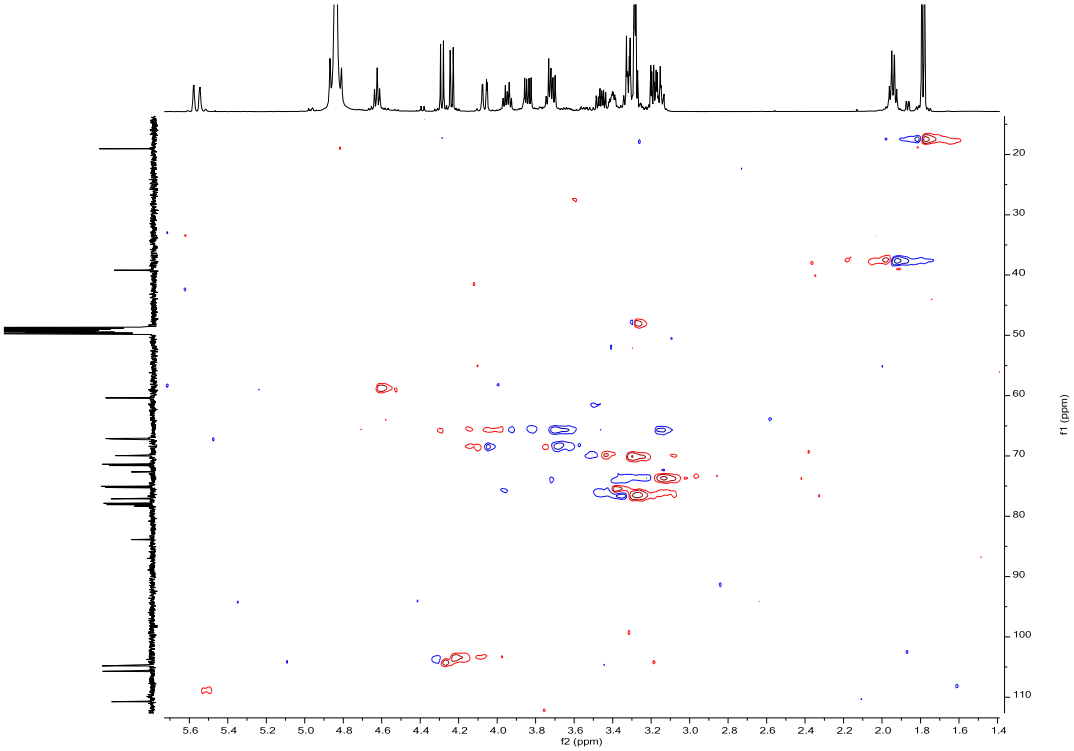



**Figure S5**. $^{1}H$-$^{1}H$ COSY spectrum of compound **1**

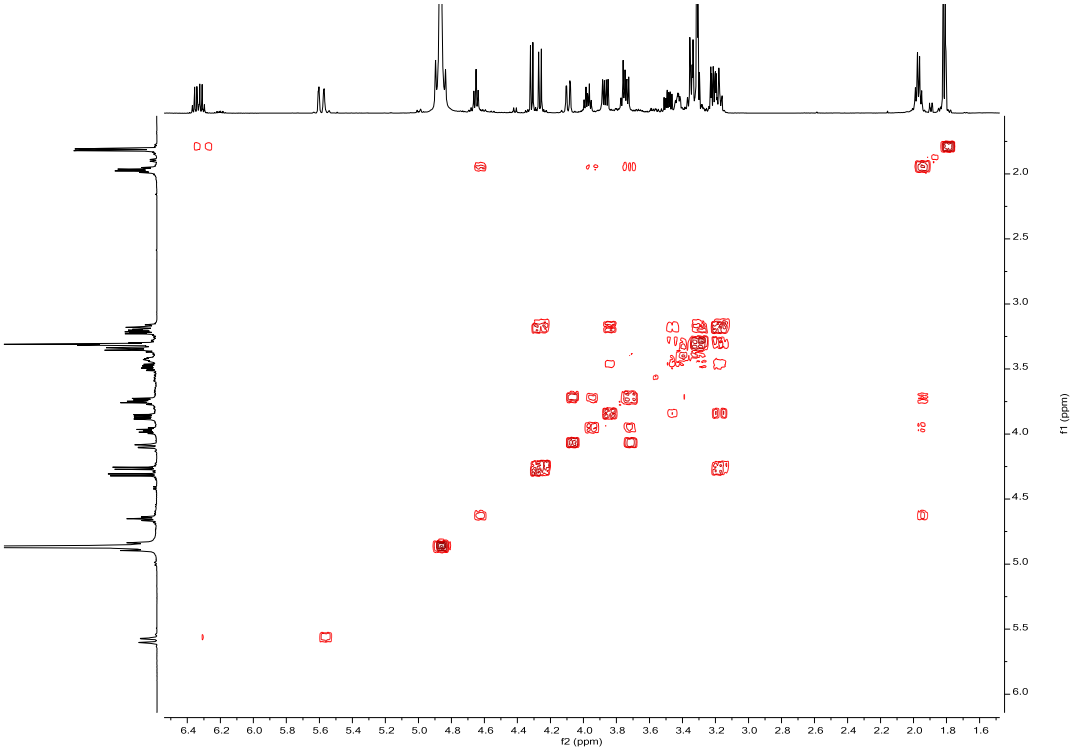


**Figure S6**. $^{1}H$-$^{13}C$ HMBC spectrum of compound **1**

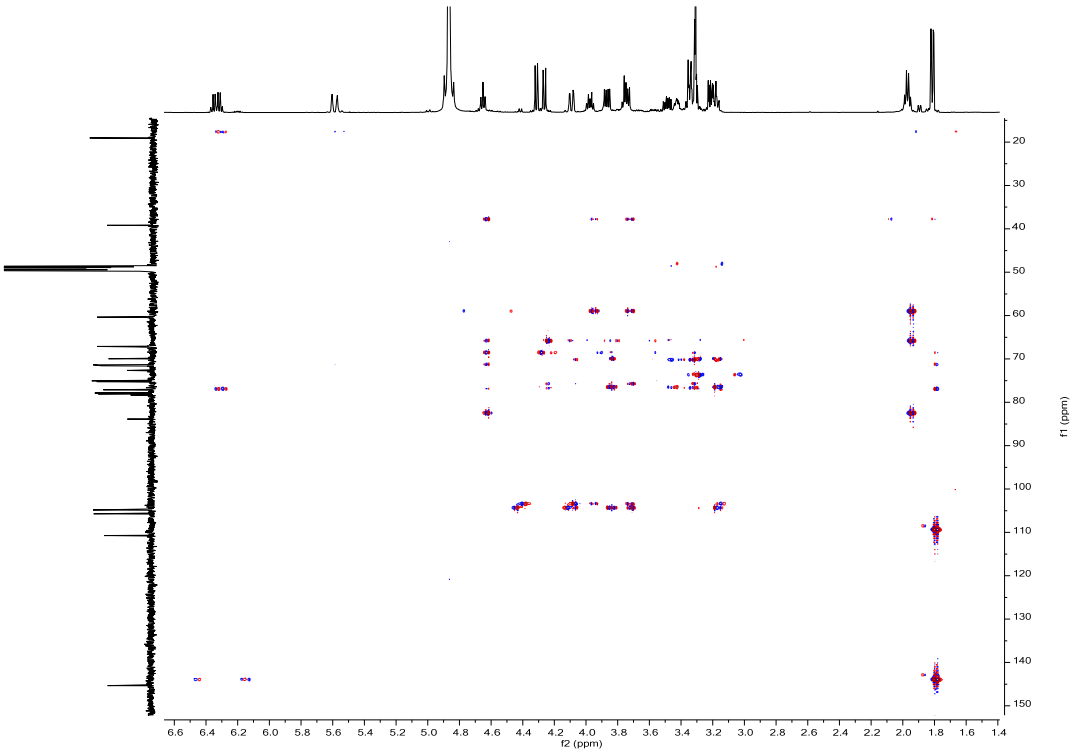



**Figure S7.** $^{1}H$-$^{1}H$ NOESY spectrum of compound **1**

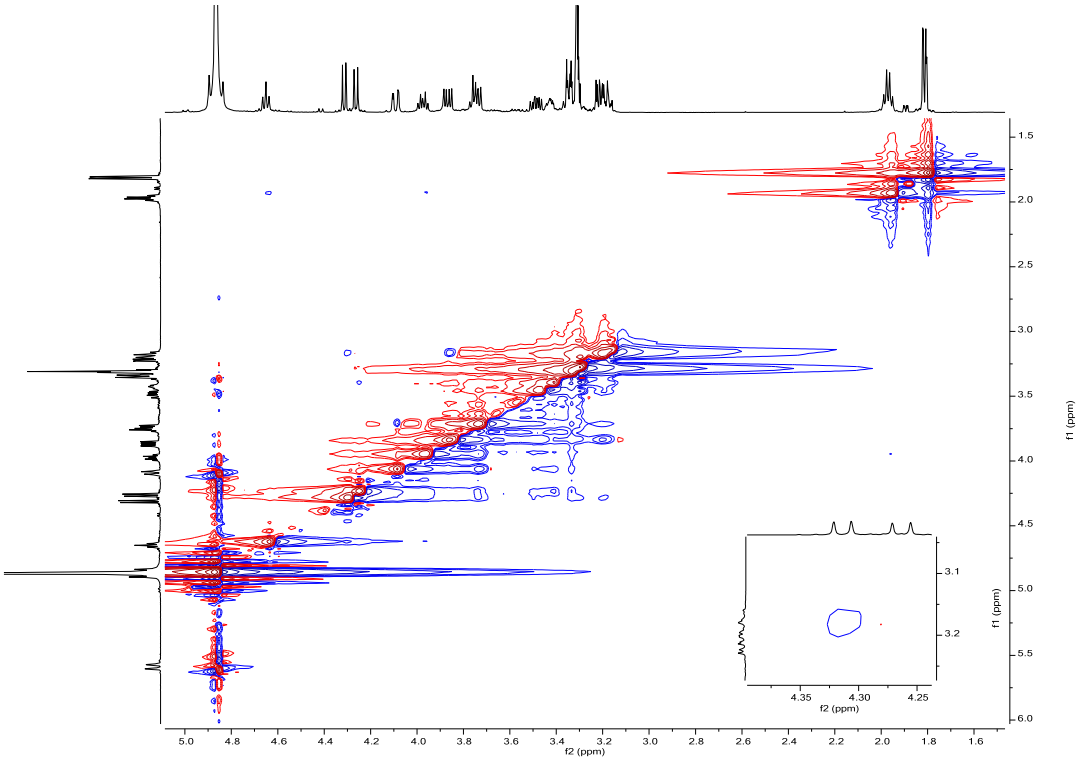


**Figure S8**. HR-ESI-MS spectrum of compound **3**

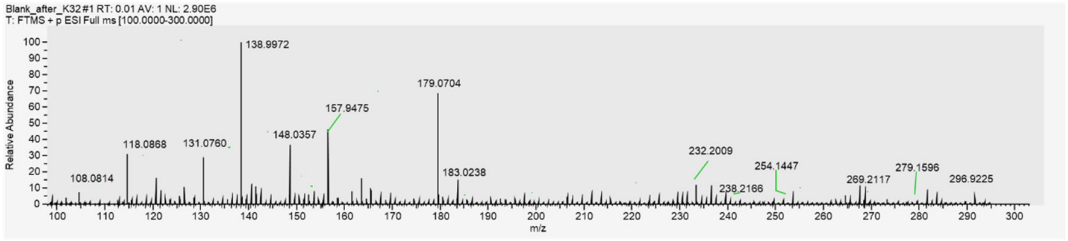



**Figure S9.** $^{1}$H NMR spectrum of compound **3** (500 MHz, methanol-$d_4$)

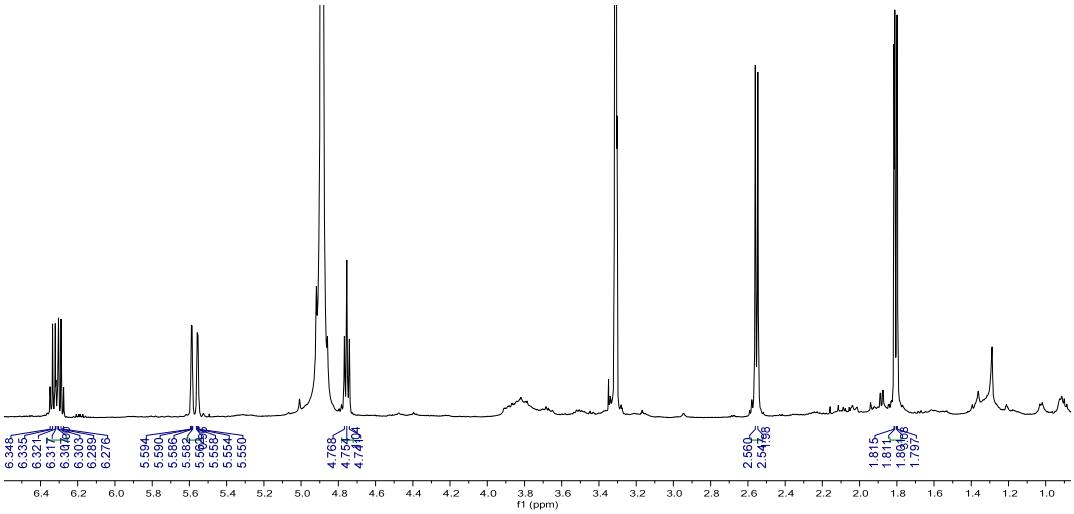



**Figure S10**. $^{13}$C NMR spectrum of compound **3** (125 MHz, methanol-$d_4$)

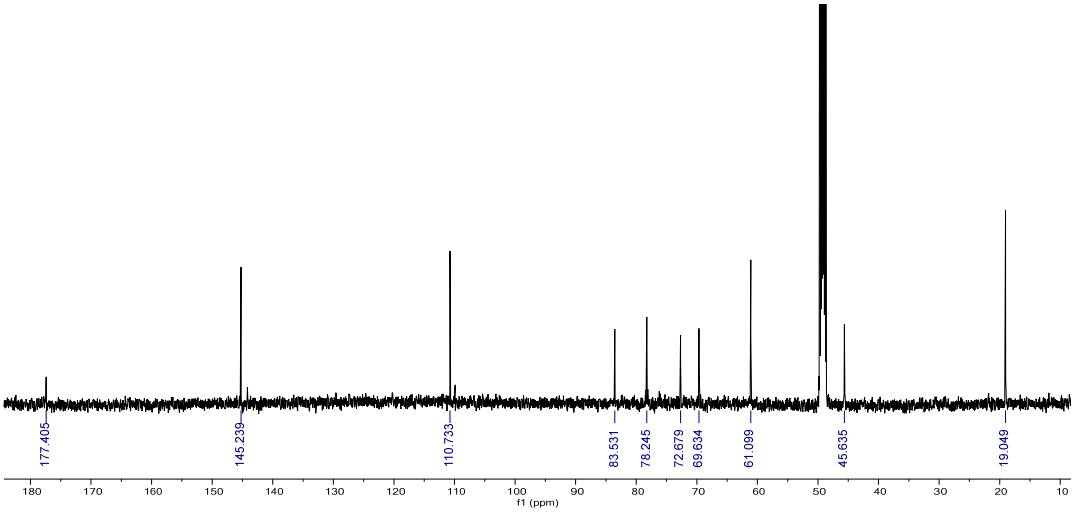


**Figure S11**. $^{1}H$-$^{13}C$ HMBC spectrum of compound **3**

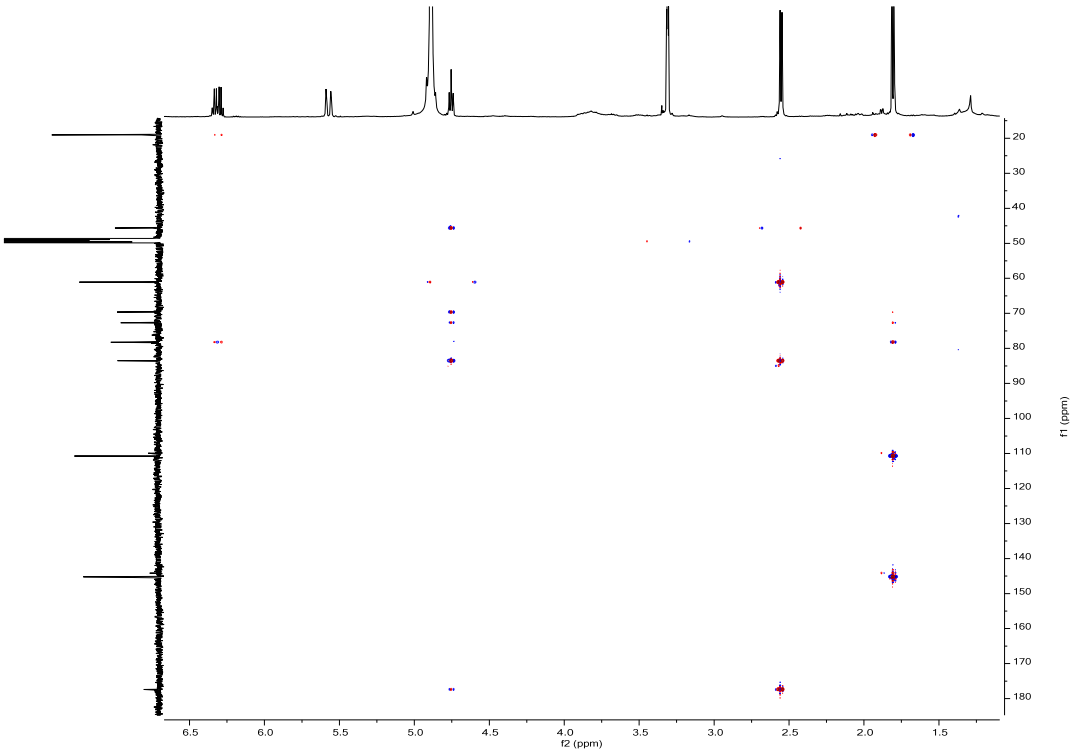


**Figure S12**. HR-ESI-MS spectrum of compound **4**

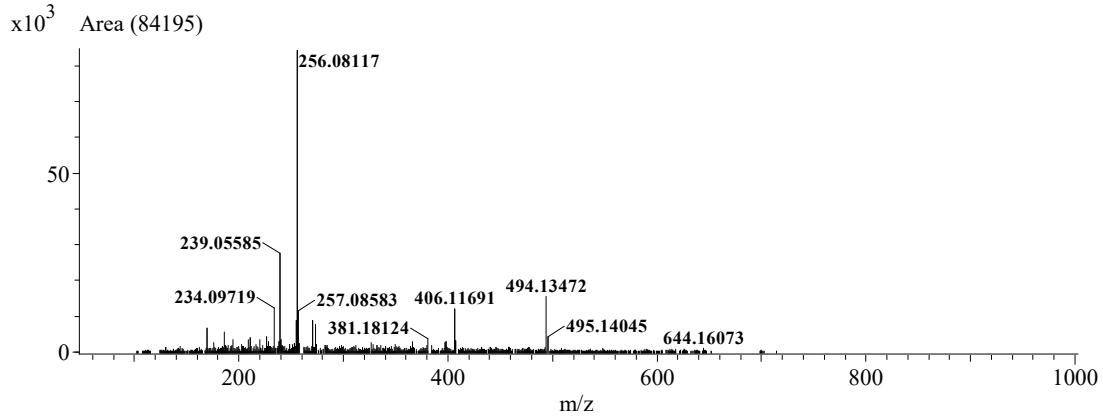



**Figure S13**. $^{1}$H NMR spectrum of compound **4** (500 MHz, methanol-$d_4$)

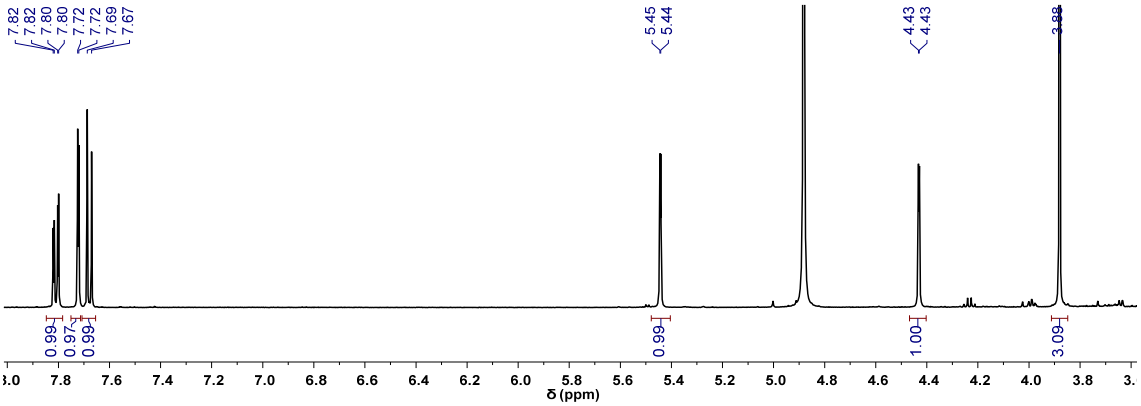



**Figure S14**. $^{13}$C NMR spectrum of compound **4** (125 MHz, methanol-$d_4$)

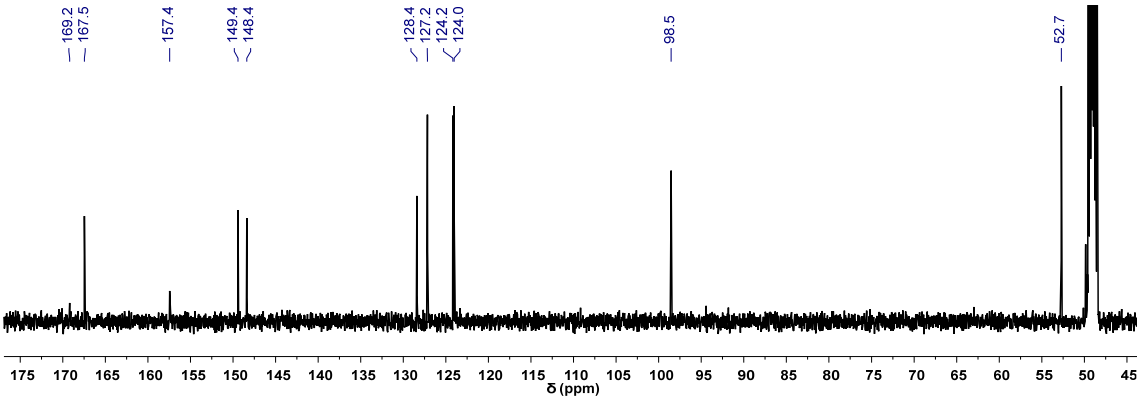


**Figure S15**. $^{1}H$-$^{13}C$ HSQC spectrum of compound **4**

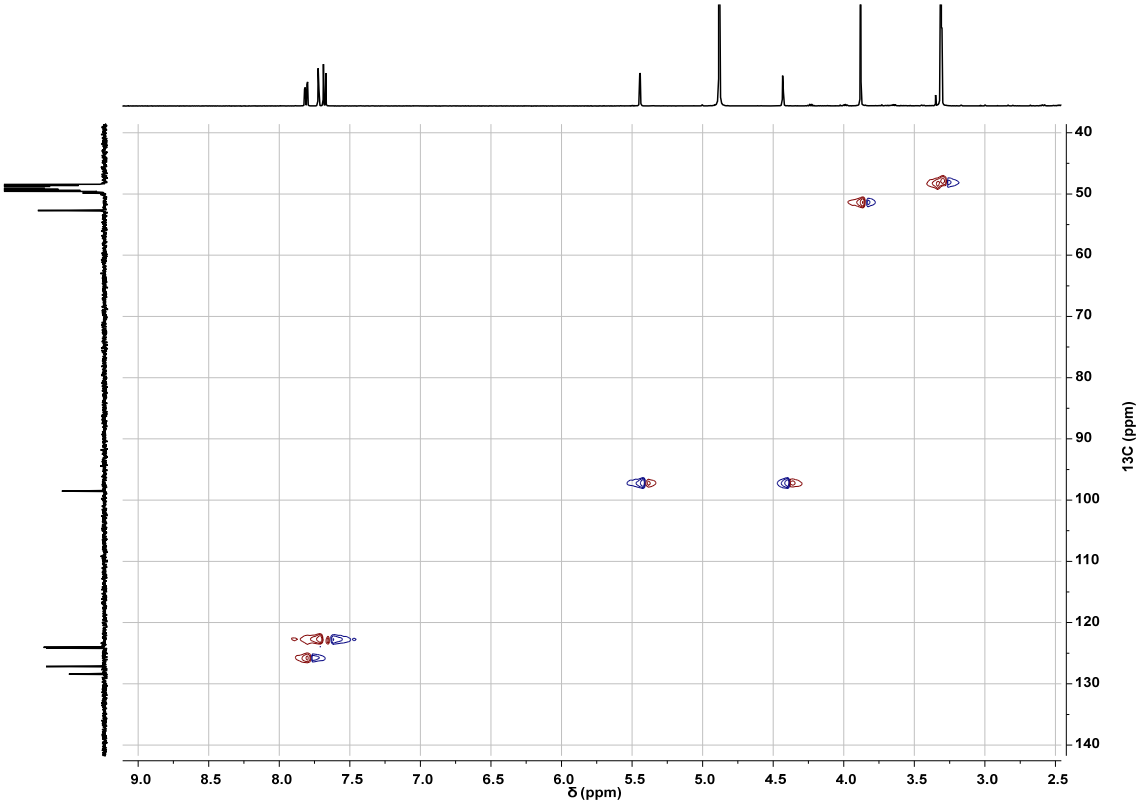



**Figure S16**. $^{1}H$-$^{1}H$ COSY spectrum of compound **4**

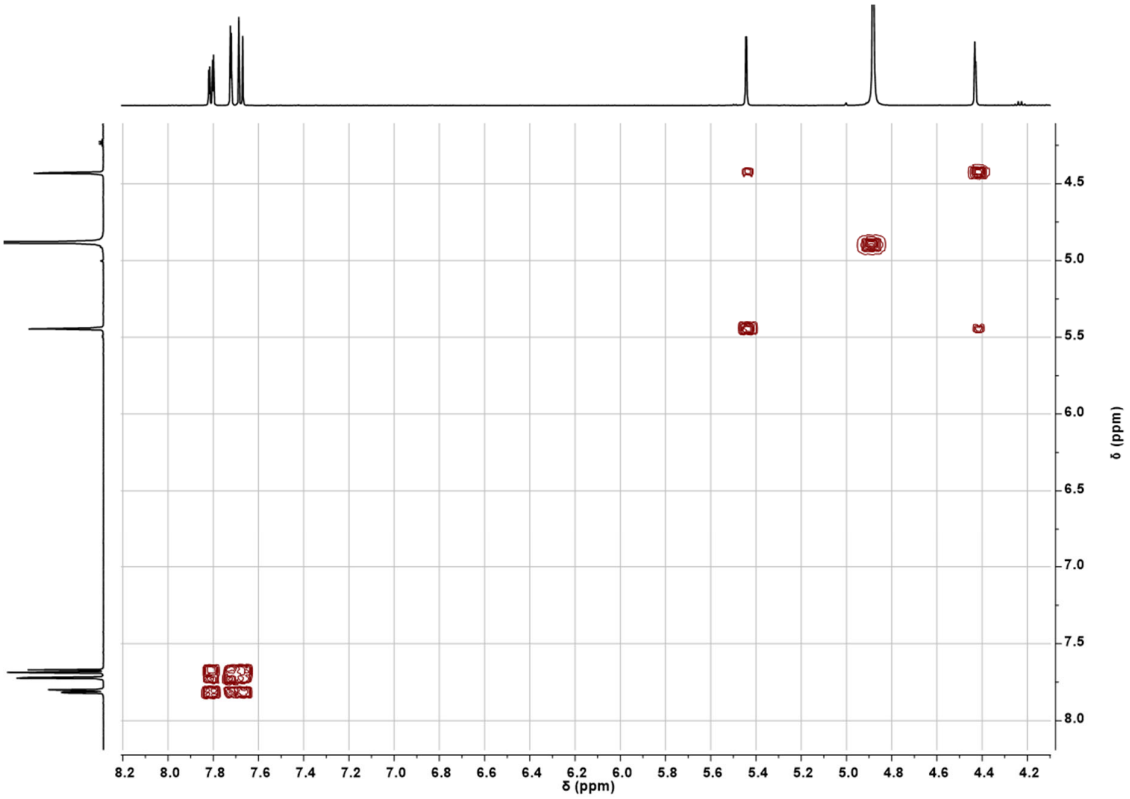
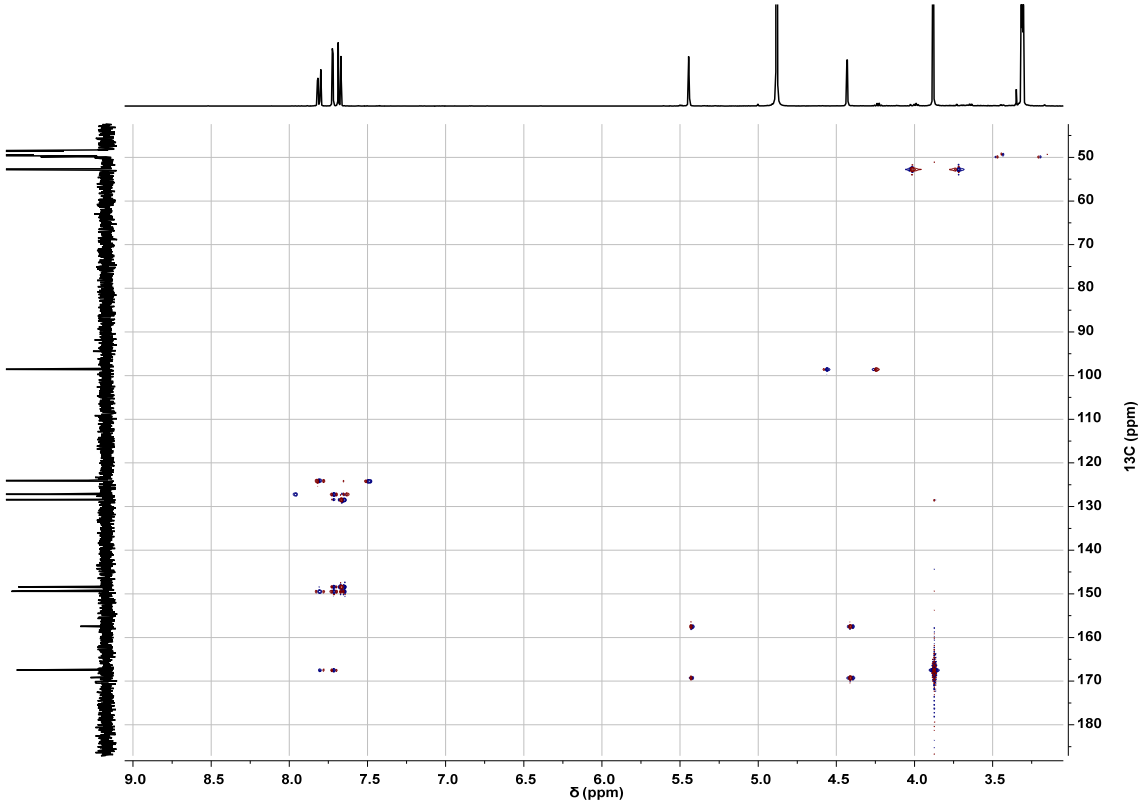


**Figure S17.** $^{1}H$-$^{13}C$ HMBC spectrum of compound **4**



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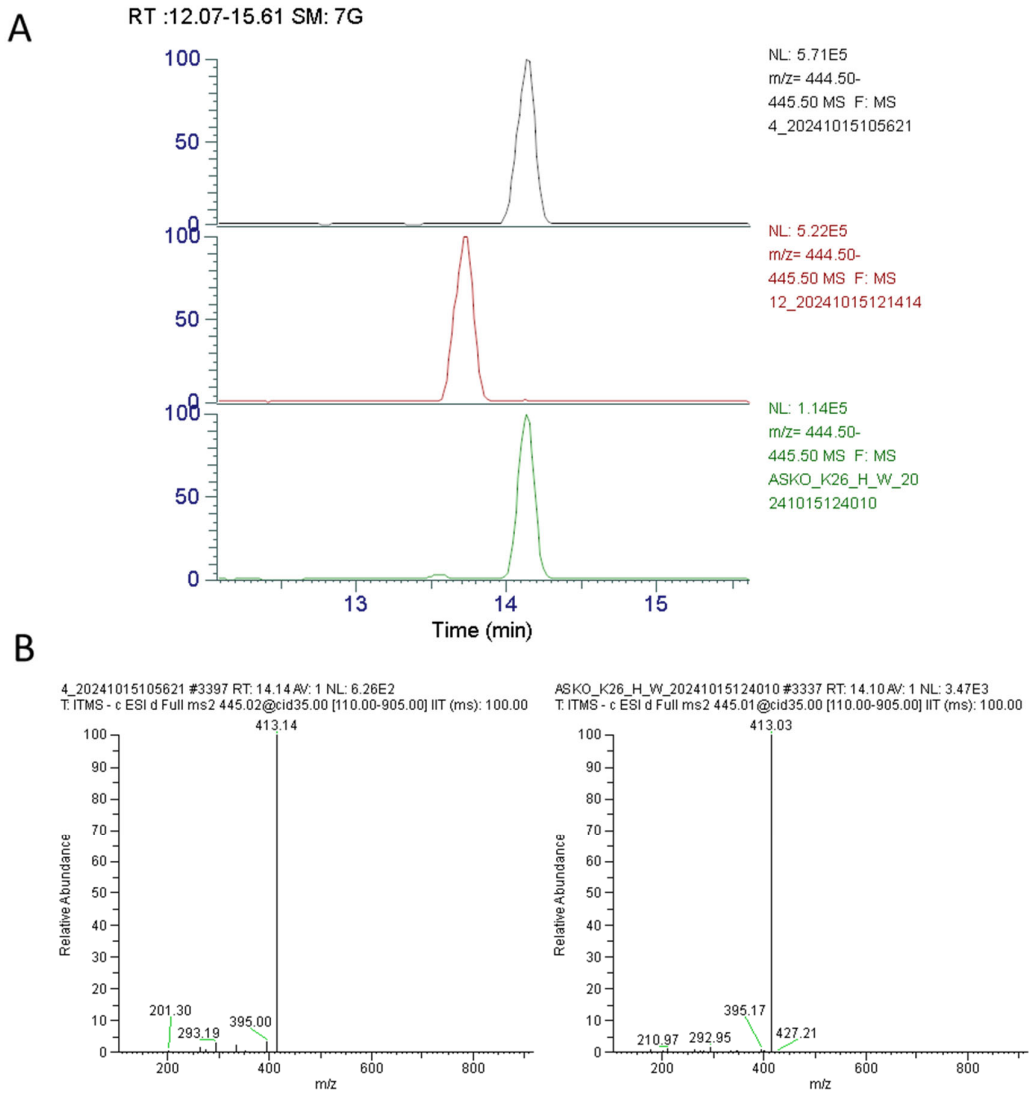

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