

Six New Methyl Apiofuranosides from the Bark of Phellodendron chinense Schneid and Their Inhibitory Effects on Nitric Oxide Production

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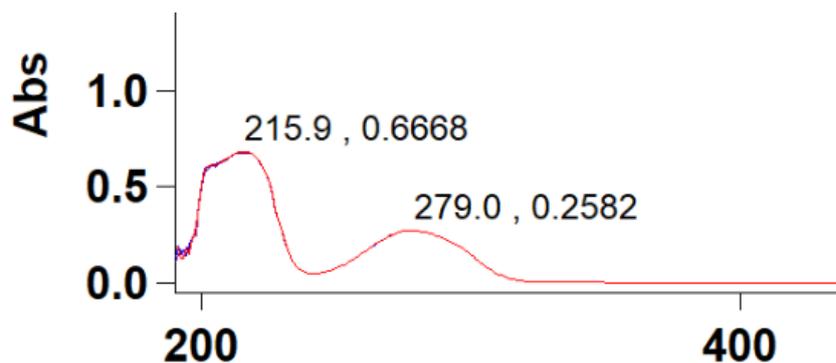


Figure S1-1 UV spectrum of compound **1** in CH₃OH

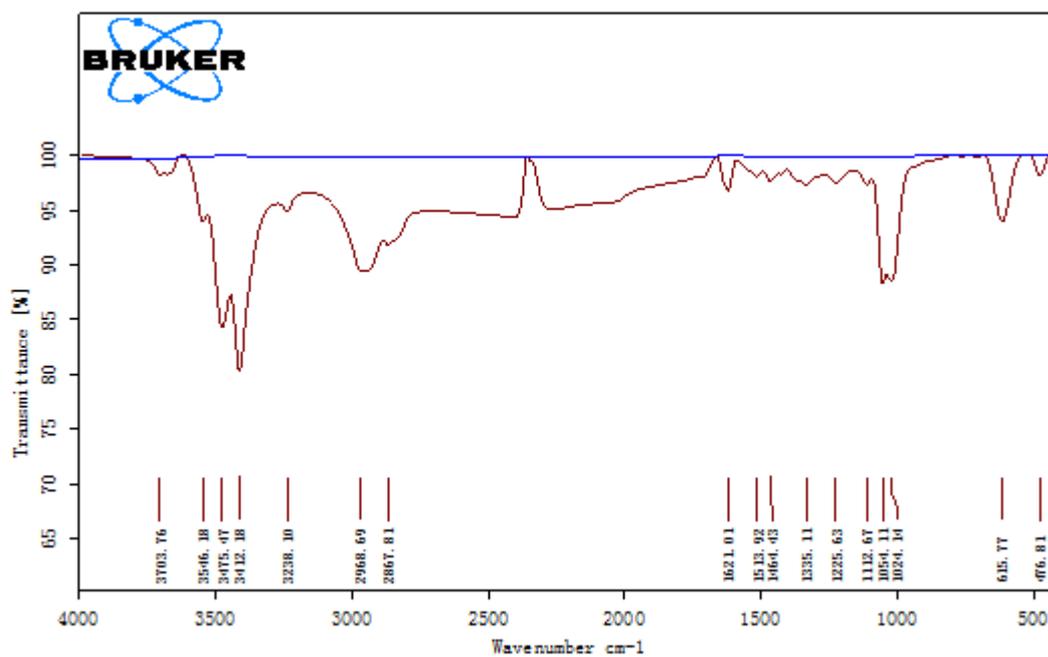
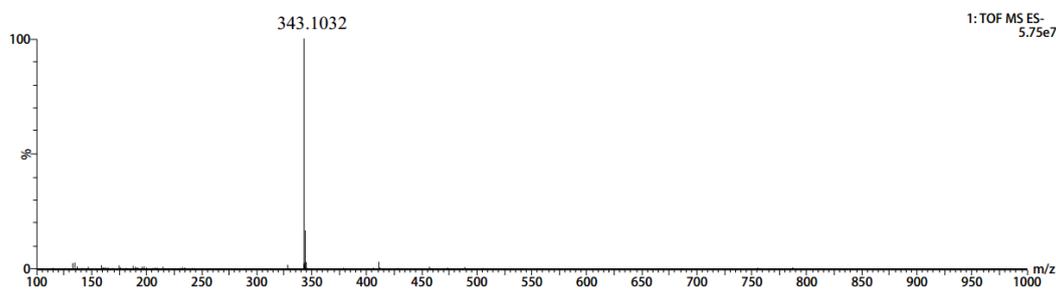


Figure S1-2 IR spectrum of compound **1** (KBr disc)



Elemental Composition Calculator

Target m/z:	343.1032	Result type:	Negative ions	Species:	[M-H] ⁻
Elements:	C(0-20),H(0-120),O(0-10)				

Ion Formula	Calculated m/z	PPM Error
C ₁₅ H ₁₉ O ₉	343.1029	0.87

Figure S1-3 HRESIMS of compound **1**

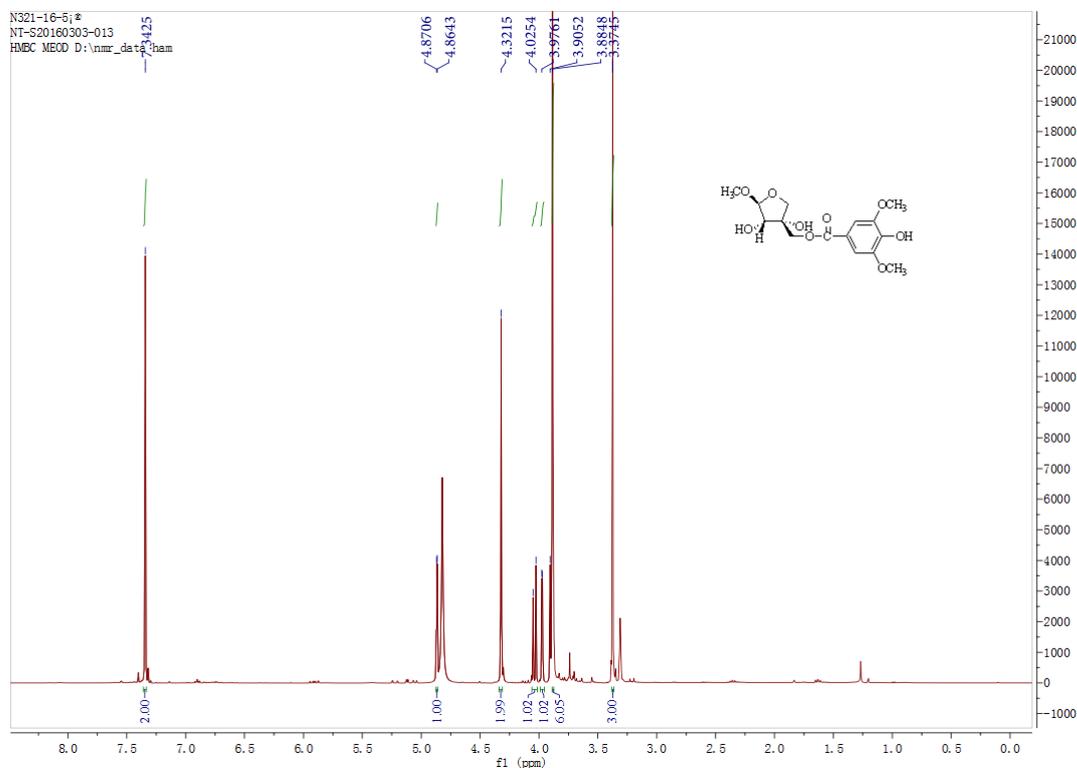


Figure S1-4 ¹H NMR (600 MHz, CD₃OD) spectrum of compound **1**

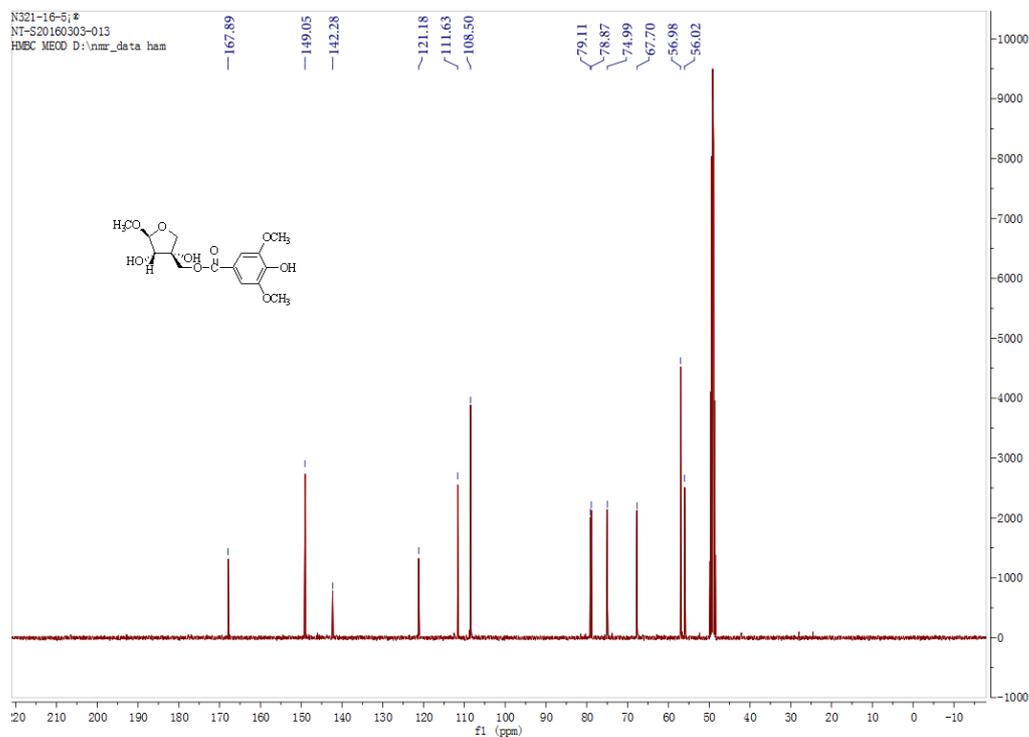


Figure S1-5 ¹³C NMR (150 MHz, CD₃OD) spectrum of compound **1**

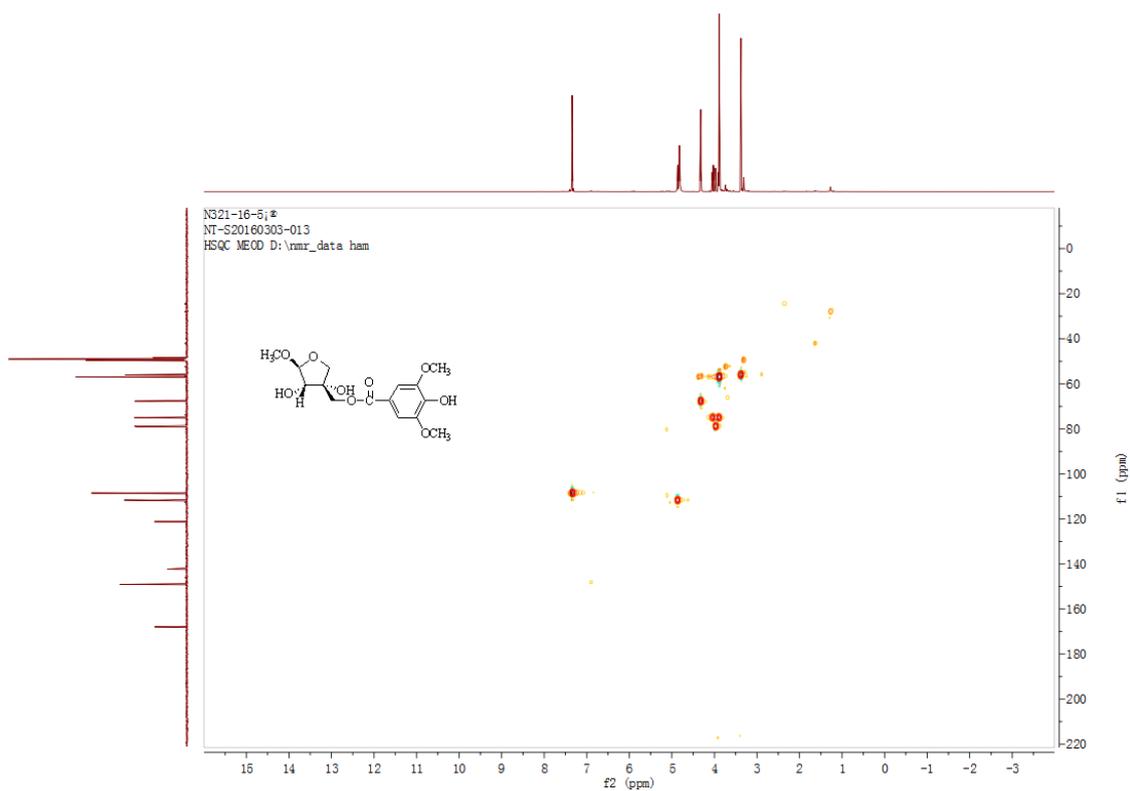


Figure S1-6 HSQC (CD₃OD) spectrum of compound **1**

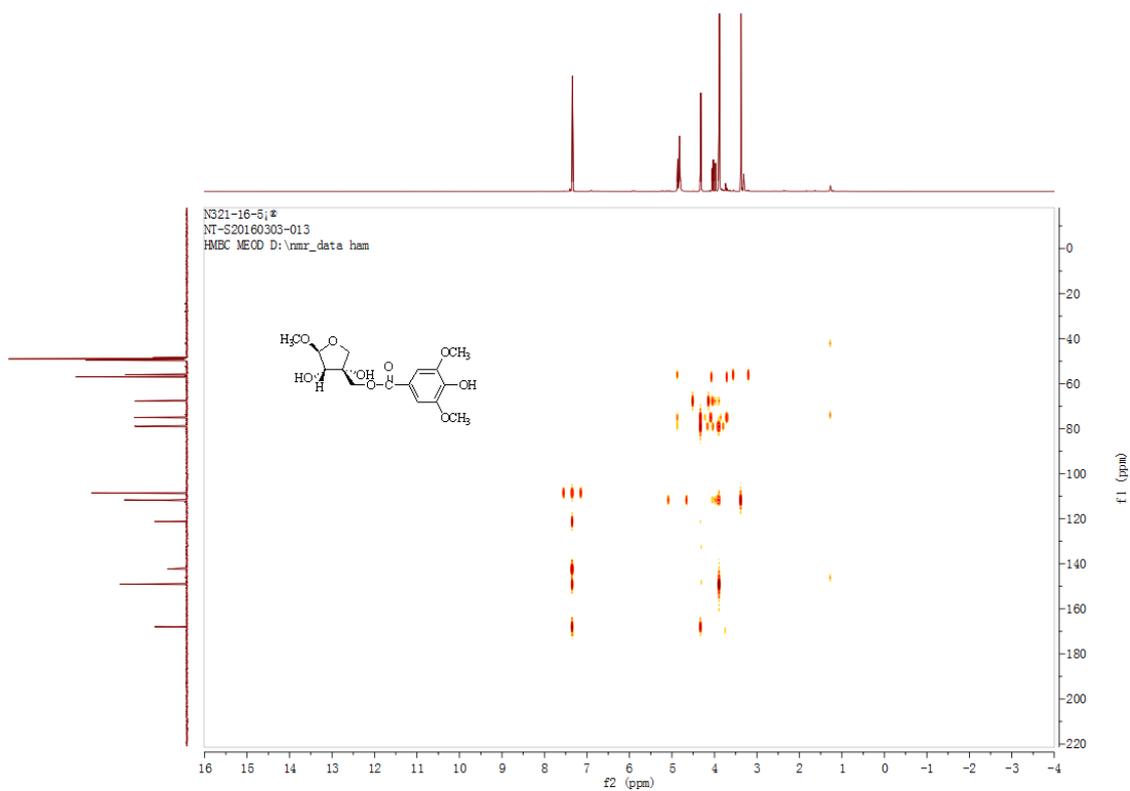


Figure S1-7 HMBC (CD₃OD) spectrum of compound **1**

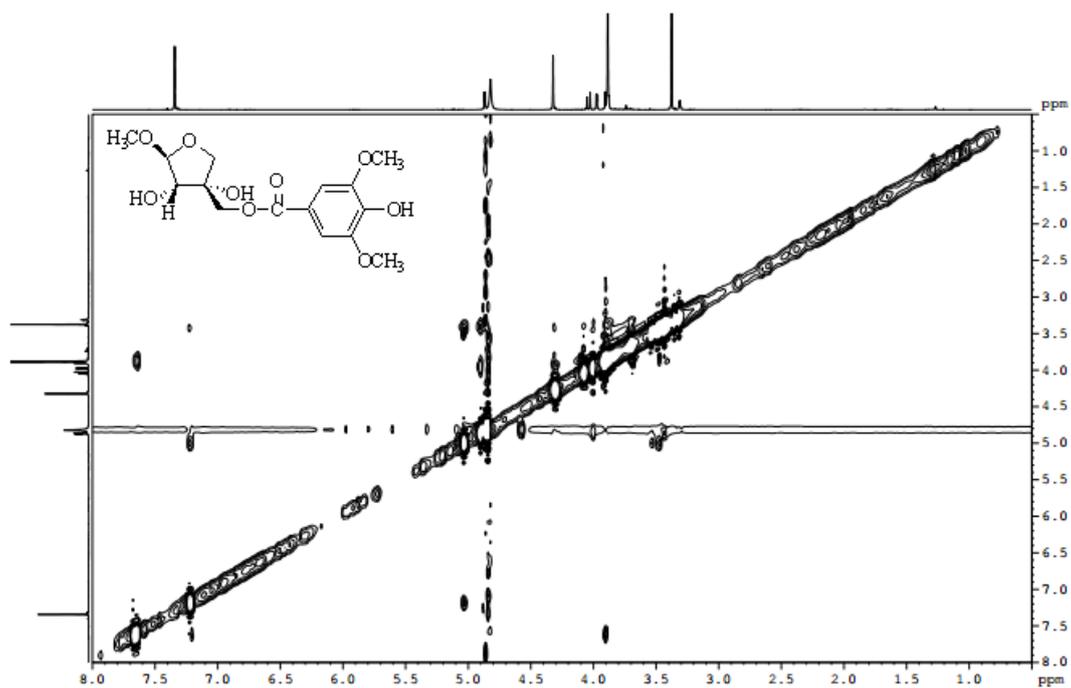


Figure S1-8 NOESY (CD₃OD) spectrum of compound **1**

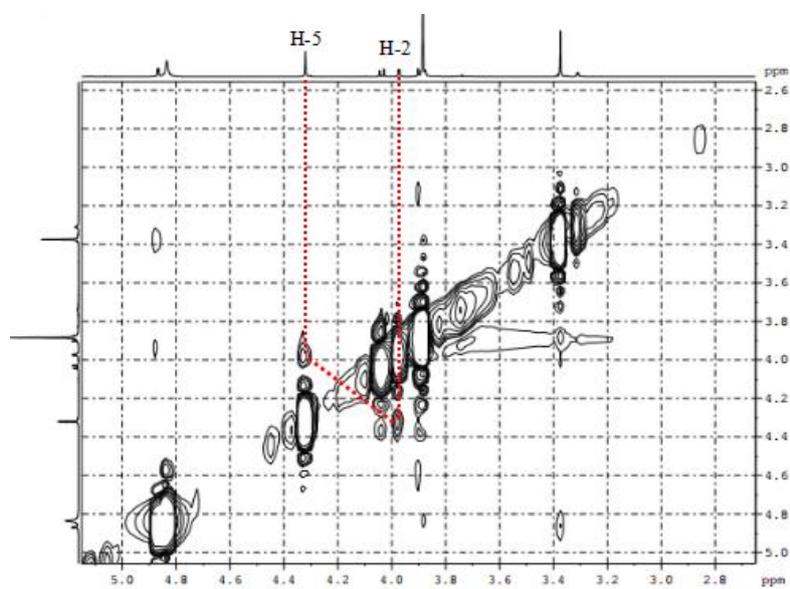


Figure S1-9 Key NOESY (CD₃OD) spectrum of compound **1**

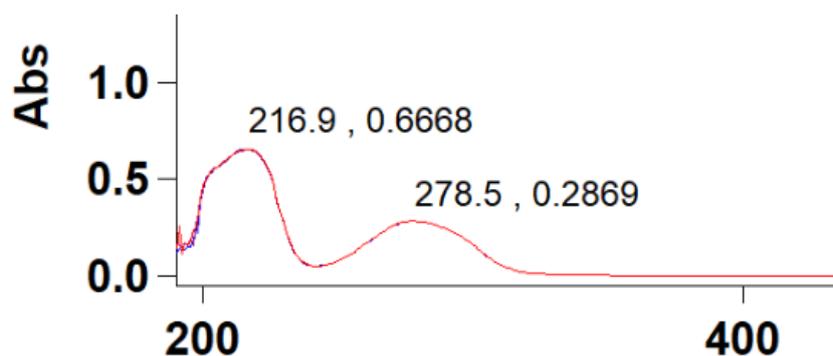


Figure S2-1 UV spectrum of compound **2** in CH₃OH

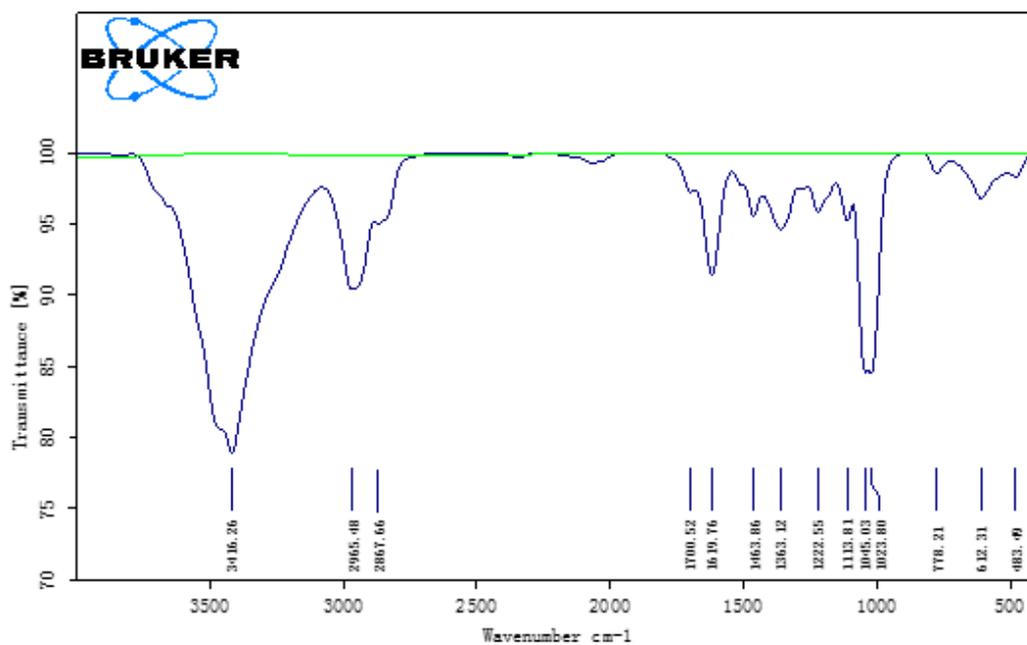
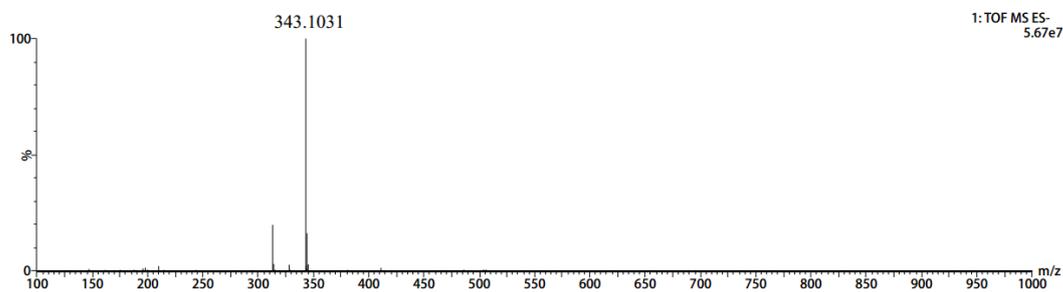


Figure S2-2 IR spectrum of compound **2** (KBr disc)



Ele

mental Composition Calculator

Target m/z:	343.1031	Result type:	Negative ions	Species:	[M-H] ⁻
Elements:	C(0-20),H(0-120),O(0-10)				

Ion Formula	Calculated m/z	PPM Error
C ₁₅ H ₁₉ O ₉	343.1029	0.58

Figure S2-3 HRESIMS of compound 2

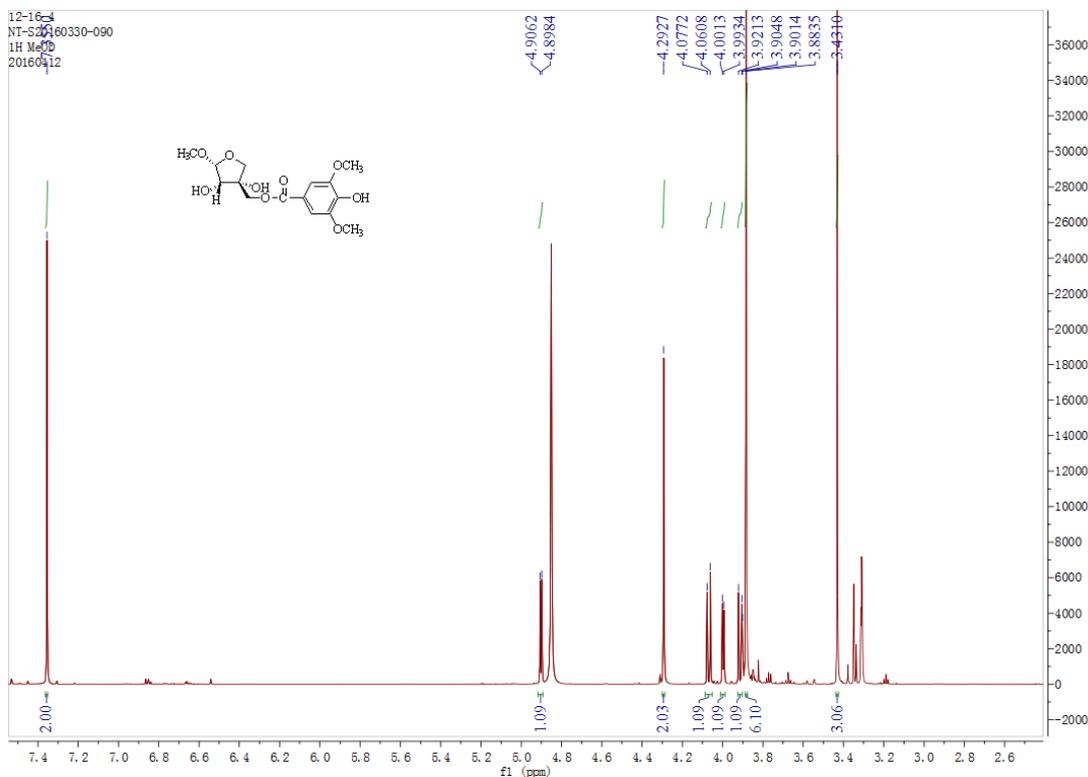


Figure S2-4 ¹H NMR (600 MHz, CD₃OD) spectrum of compound 2

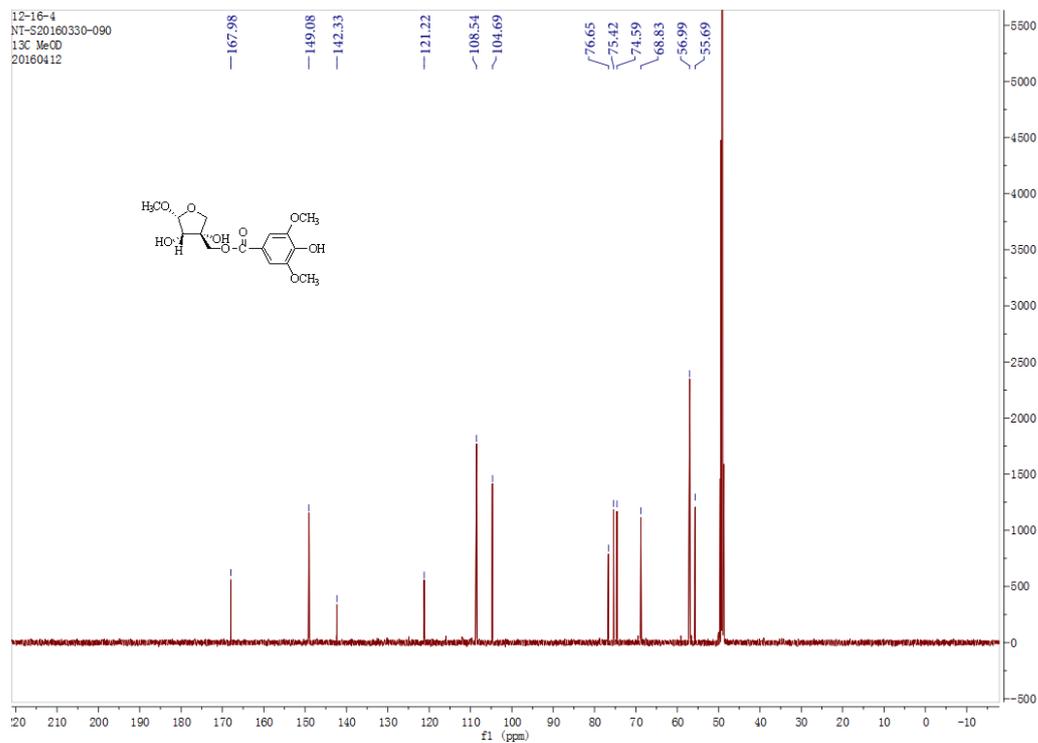


Figure S2-5 ¹³C NMR (150 MHz, CD₃OD) spectrum of compound 2

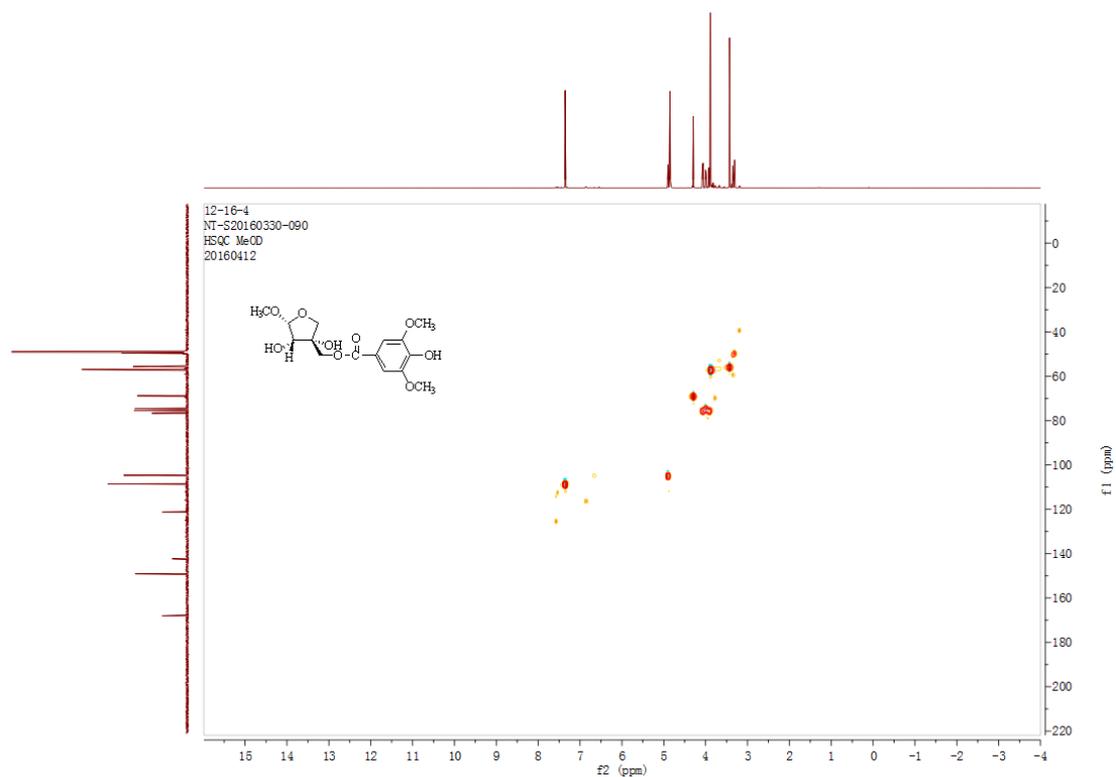


Figure S2-6 HSQC (CD₃OD) spectrum of compound **2**

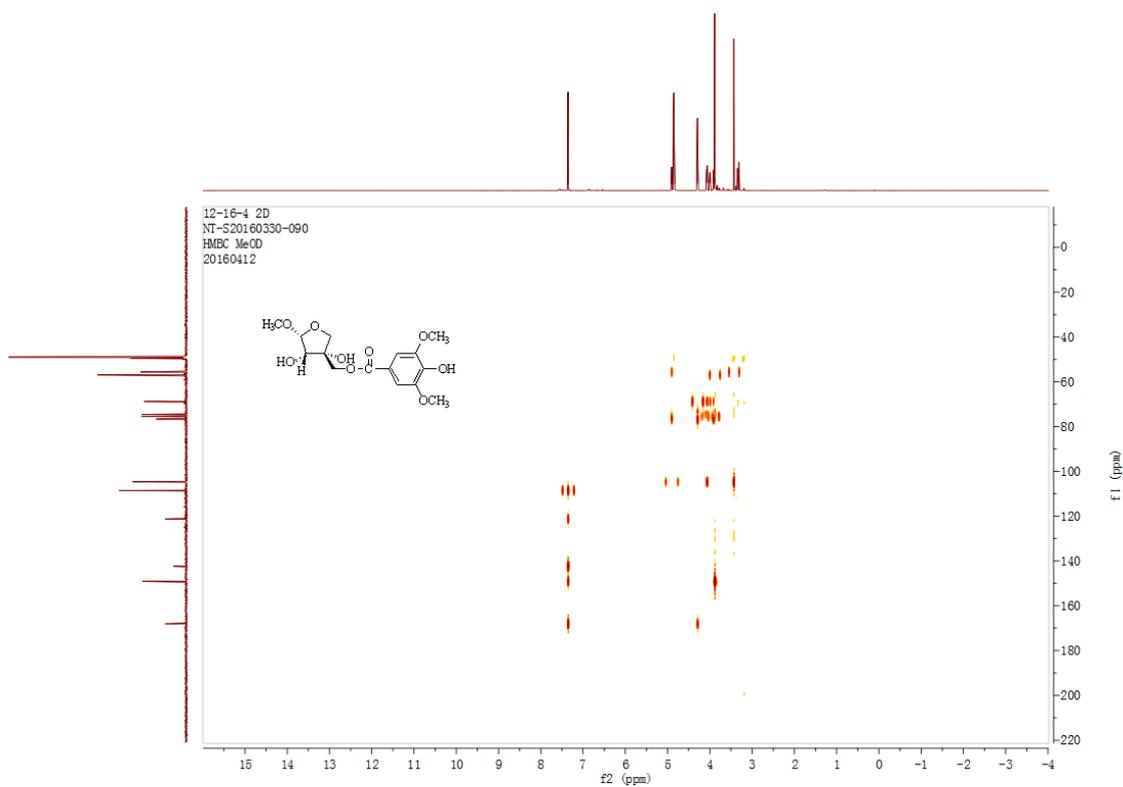


Figure S2-7 HMBC (CD₃OD) spectrum of compound **2**

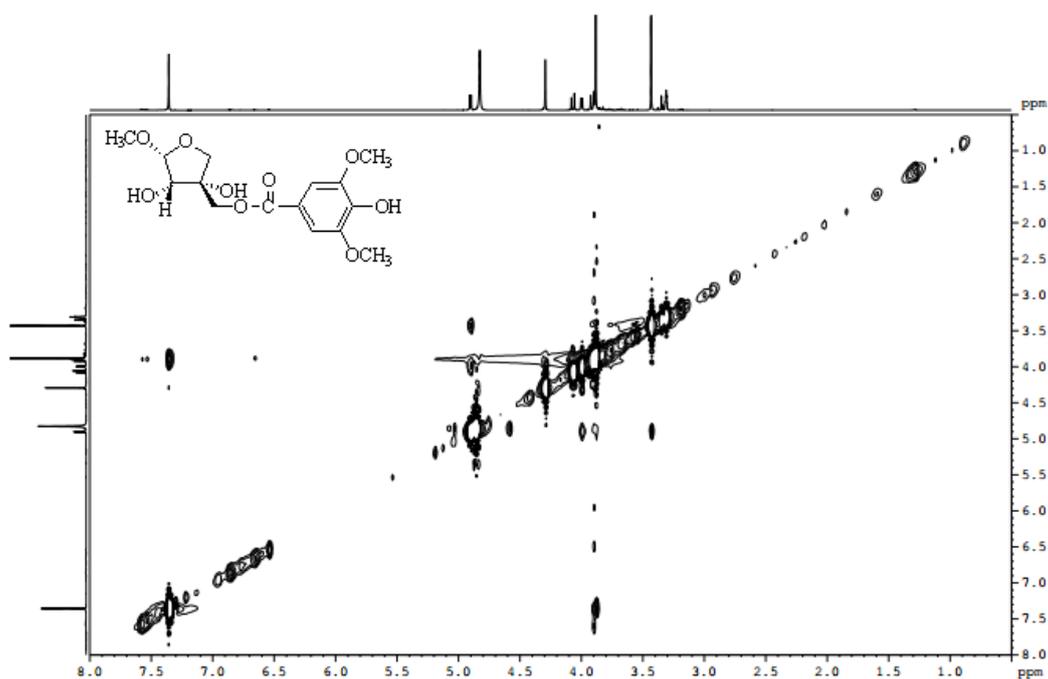


Figure S2-8 NOESY (CD₃OD) spectrum of compound **2**

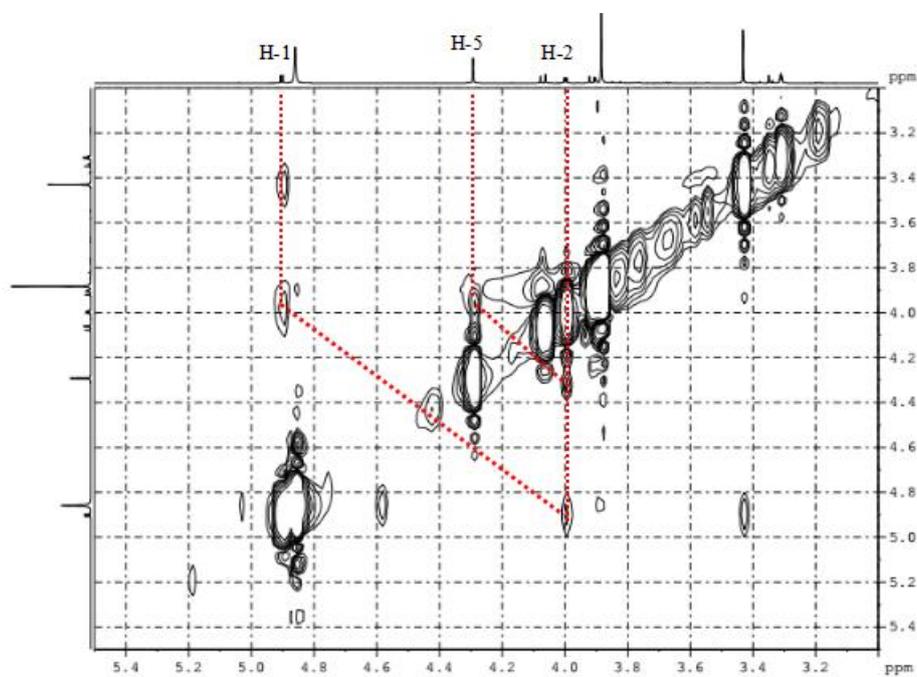


Figure S2-9 Key NOESY (CD₃OD) spectrum of compound **2**

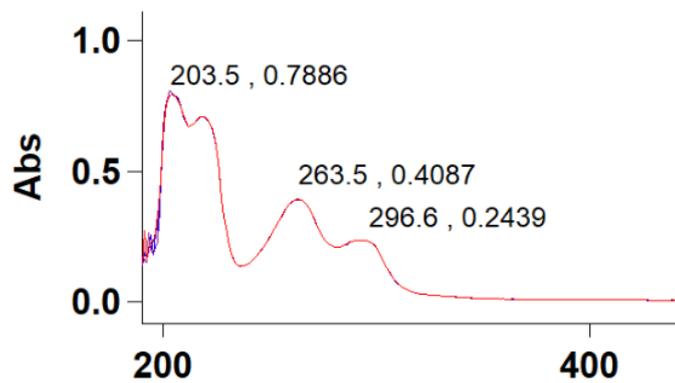


Figure S3-1 UV spectrum of compound **3** in CH₃OH

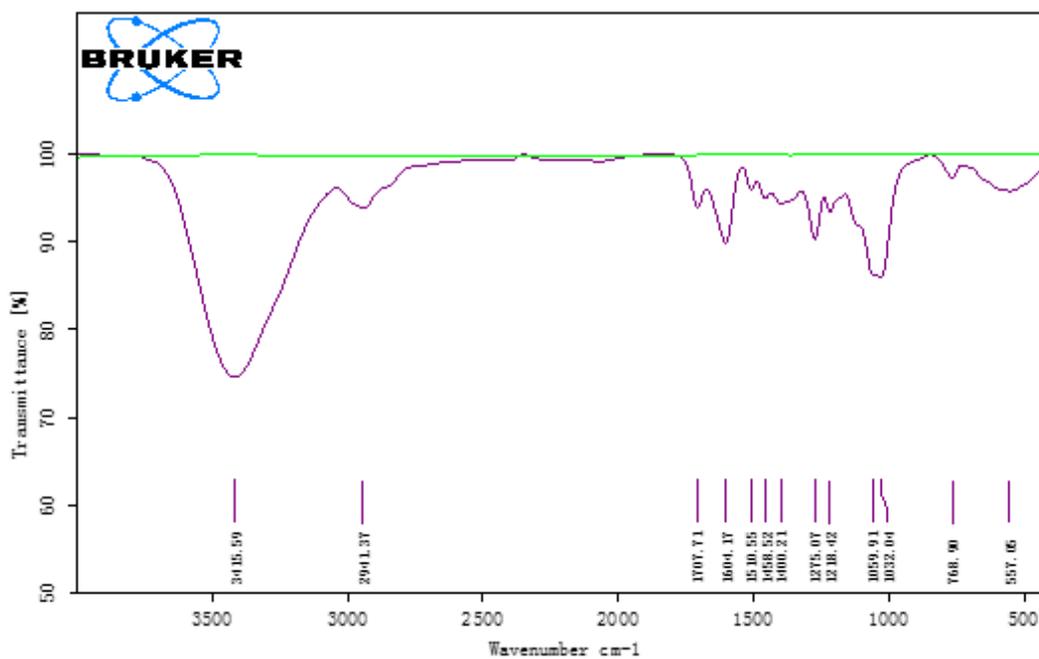
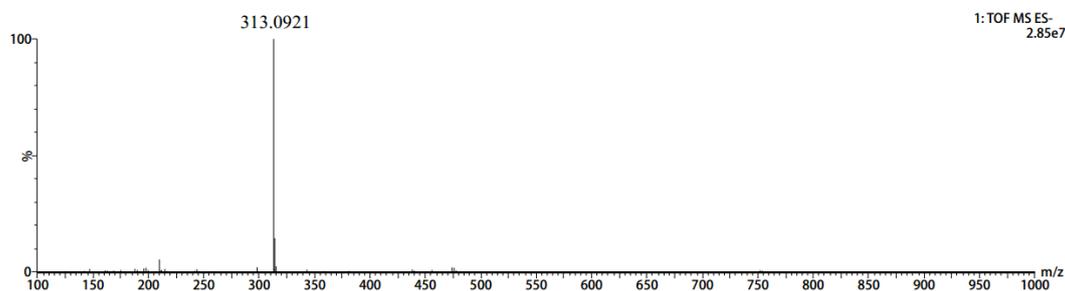


Figure S3-2 IR spectrum of compound **3** (KBr disc)



Elemental Composition Calculator

Target m/z:	313.0921	Result type:	Negative ions	Species:	[M-H] ⁻
Elements:	C(0-20),H(0-120),O(0-10)				

Ion Formula	Calculated m/z	PPM Error
C ₁₄ H ₁₇ O ₈	313.0923	0.64

Figure S3-3 HRESIMS of compound **3**

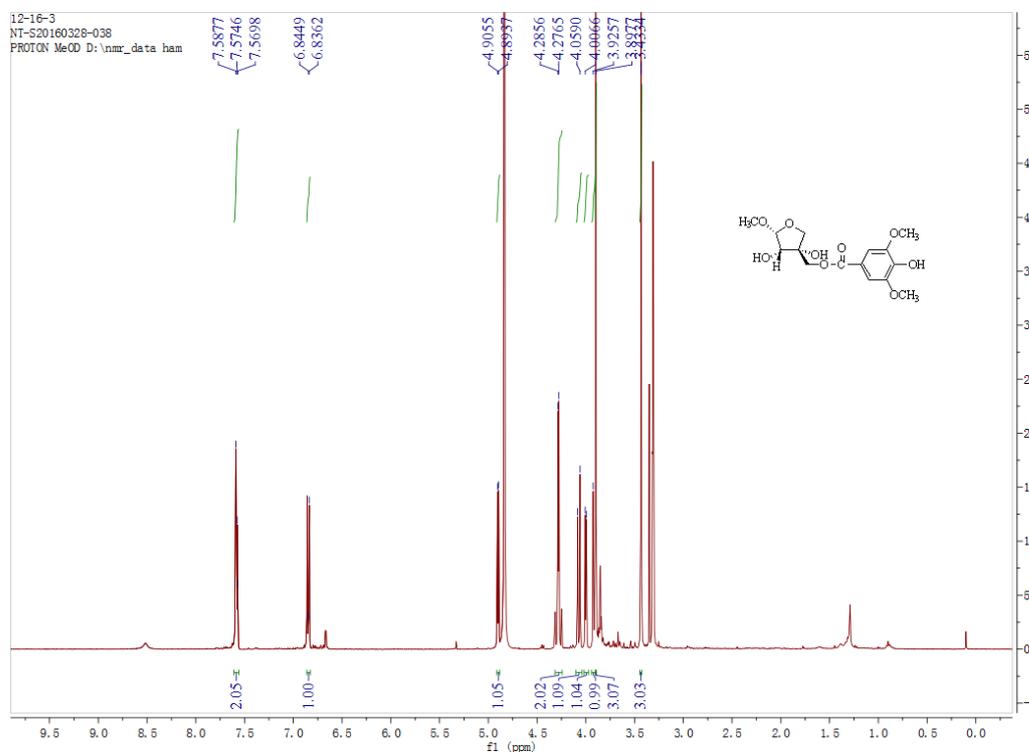


Figure S3-4 ¹H NMR (600 MHz, CD₃OD) spectrum of compound **3**

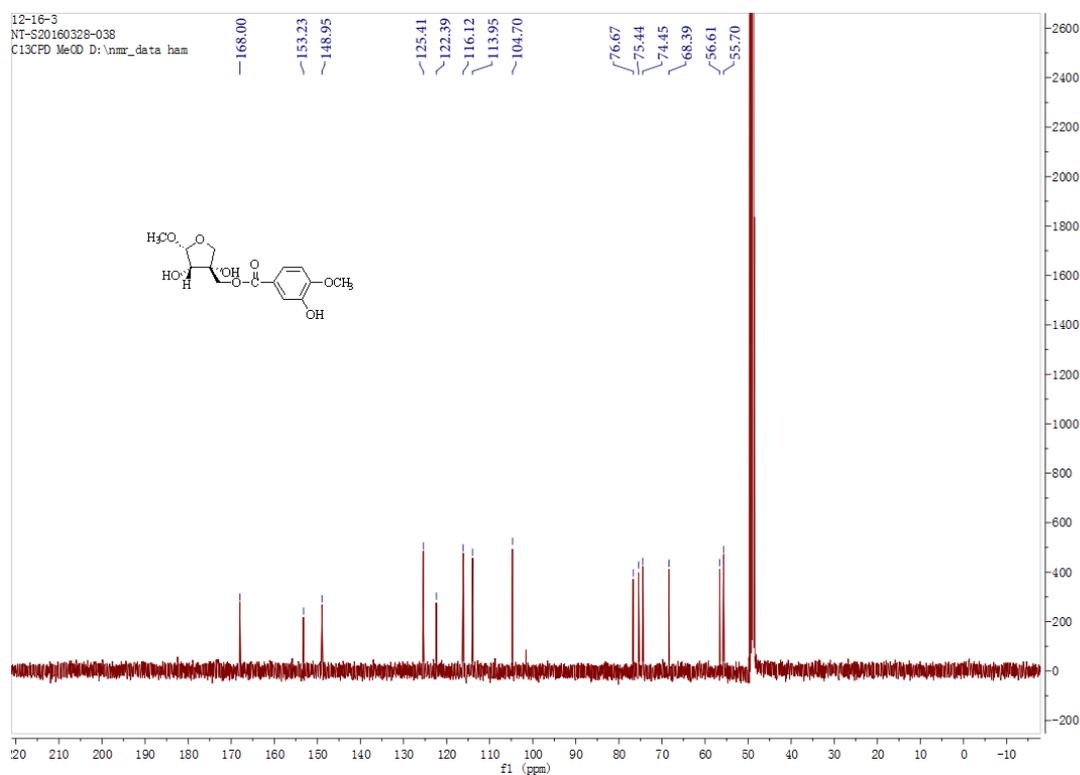
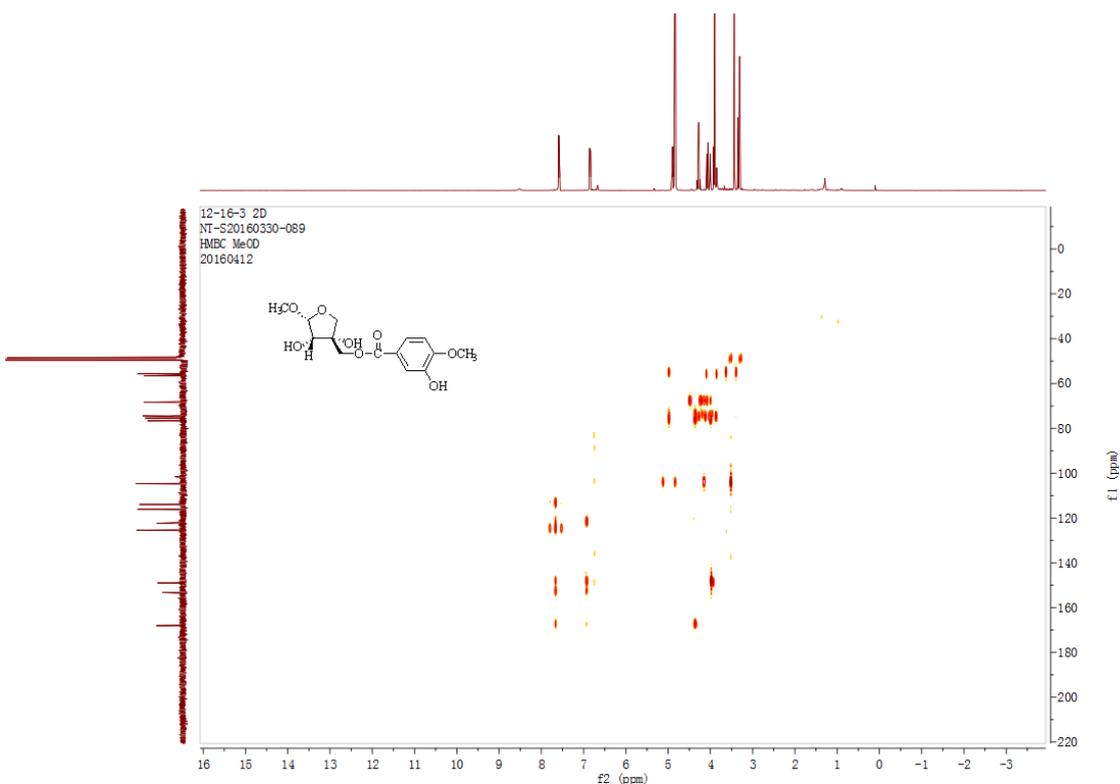
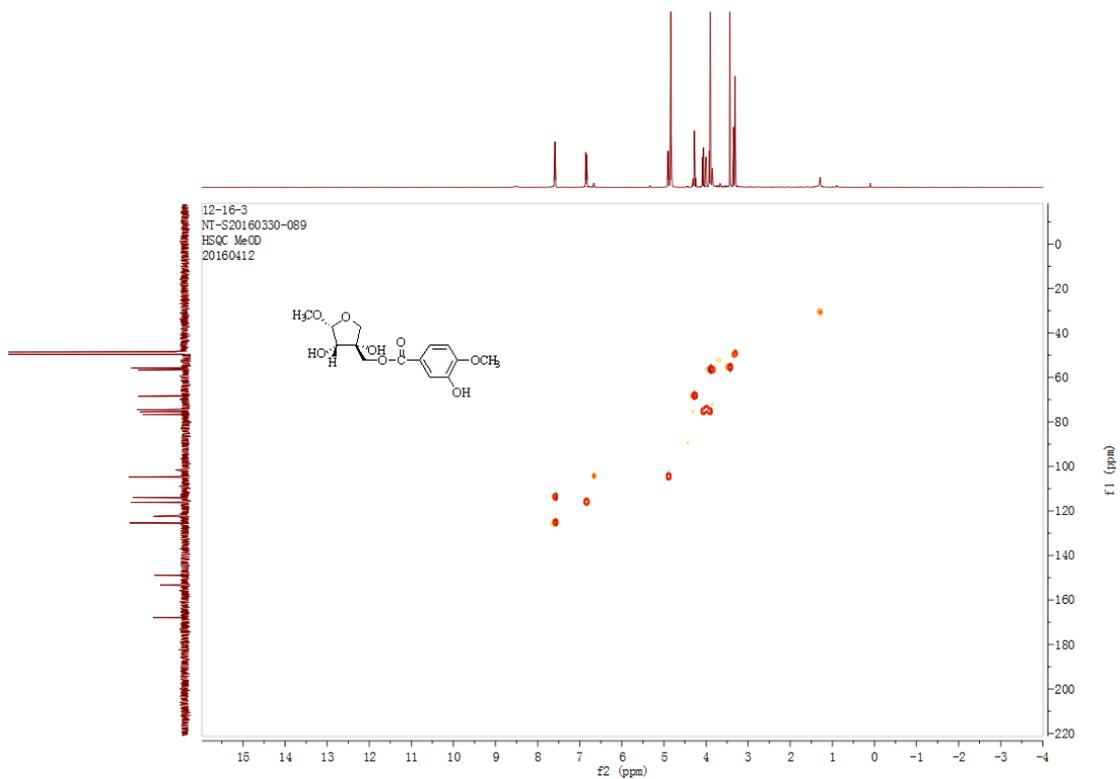


Figure S3-5 ¹³C NMR (150 MHz, CD₃OD) spectrum of compound **3**



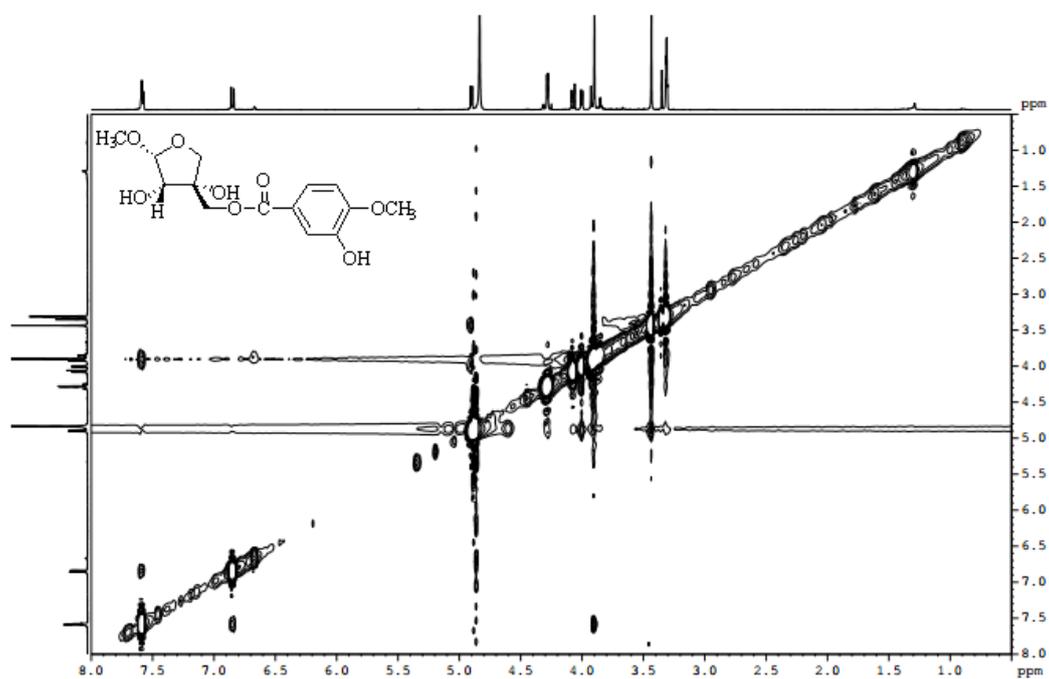


Figure S3-8 NOESY (CD₃OD) spectrum of compound **3**

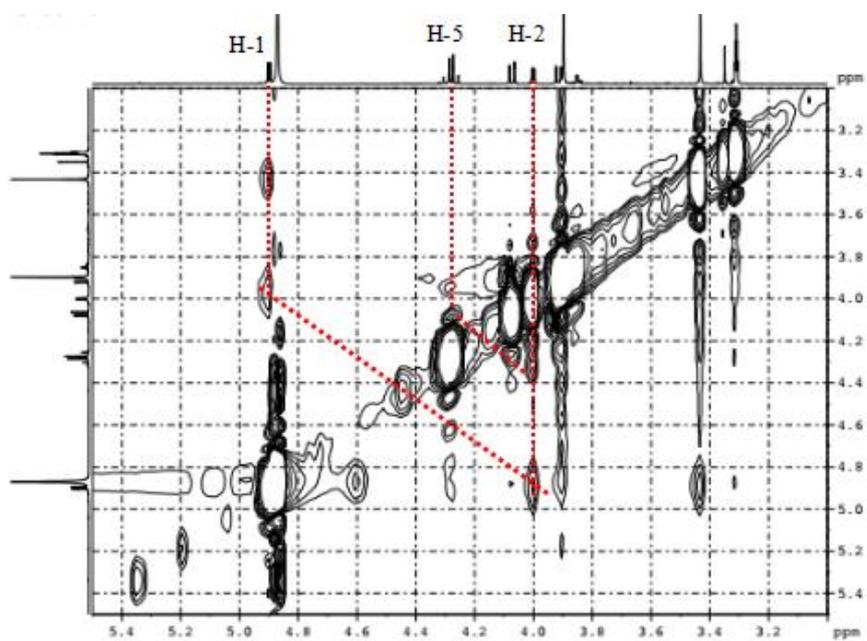


Figure S3-9 Key NOESY (CD₃OD) spectrum of compound **3**

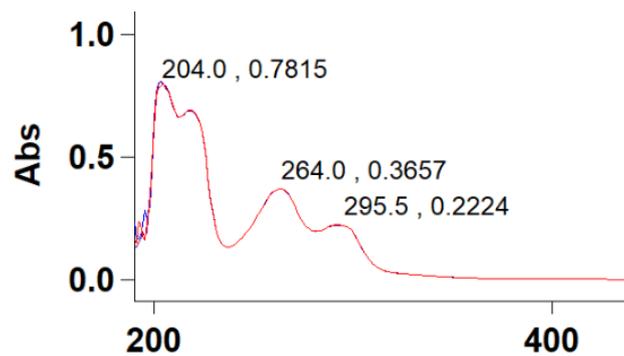


Figure S4-1 UV spectrum of compound **4** in CH₃OH

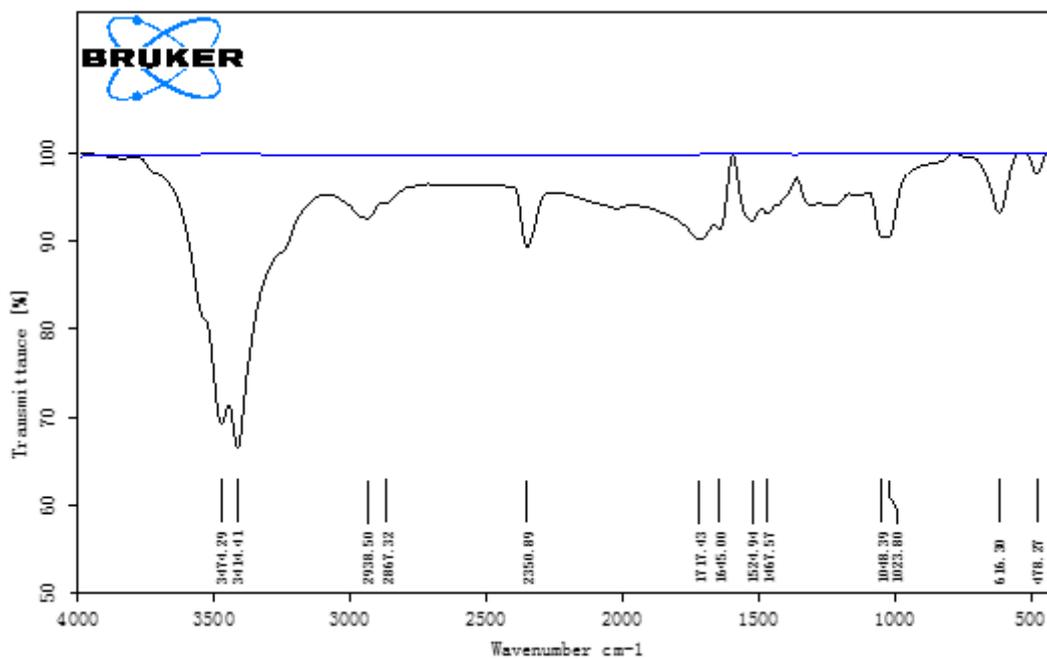
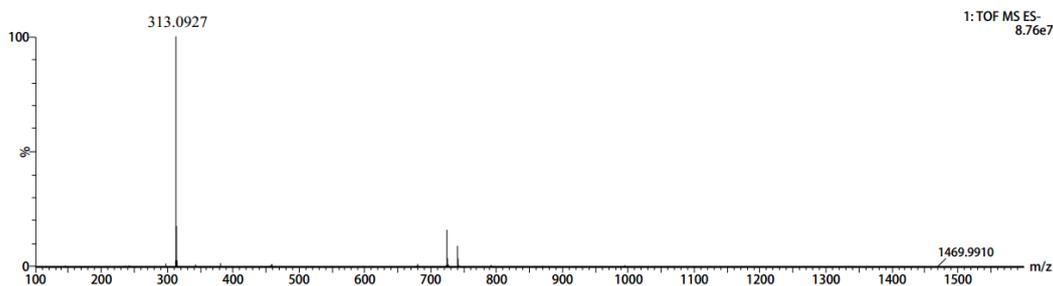


Figure S4-2 IR spectrum of compound **4** (KBr disc)



Elemental Composition Calculator

Target m/z:	313.0927	Result type:	Negative ions	Species:	[M-H] ⁻
Elements:	C(0-20),H(0-120),O(0-10)				
Ion Formula	Calculated m/z		PPM Error		

$C_{14}H_{17}O_8$	313.0923	1.28
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Figure S4-3 HRESIMS of compound 4

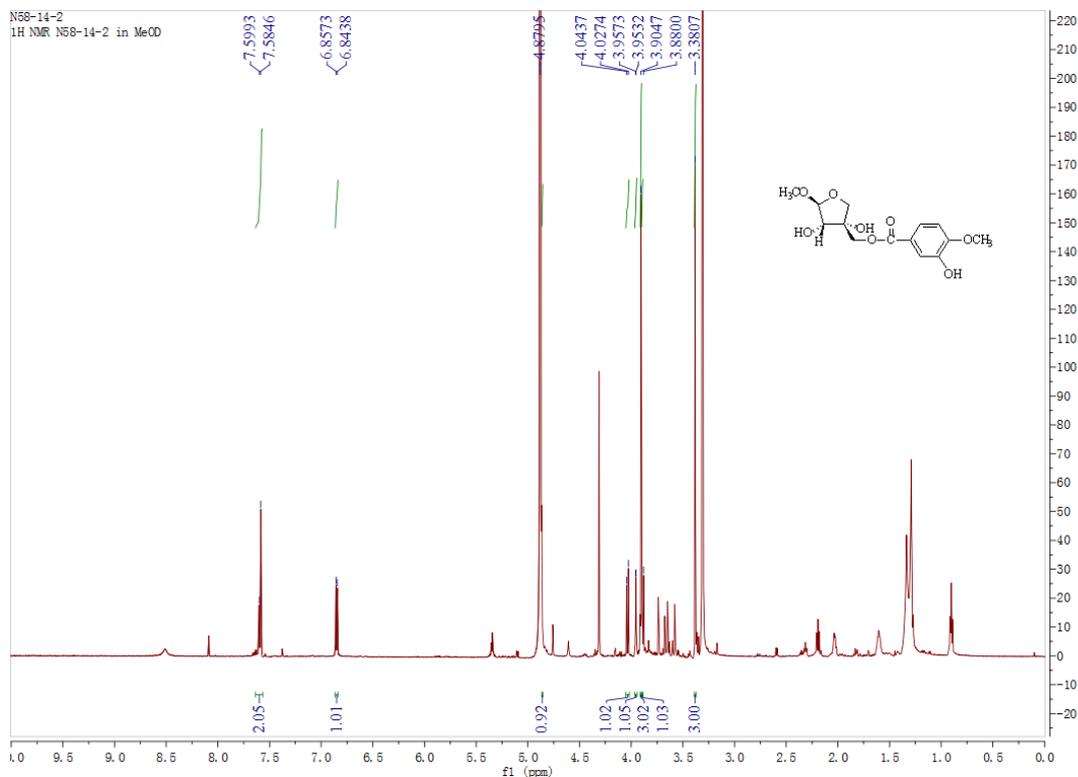


Figure S4-4 1H NMR (600 MHz, CD_3OD) spectrum of compound 4

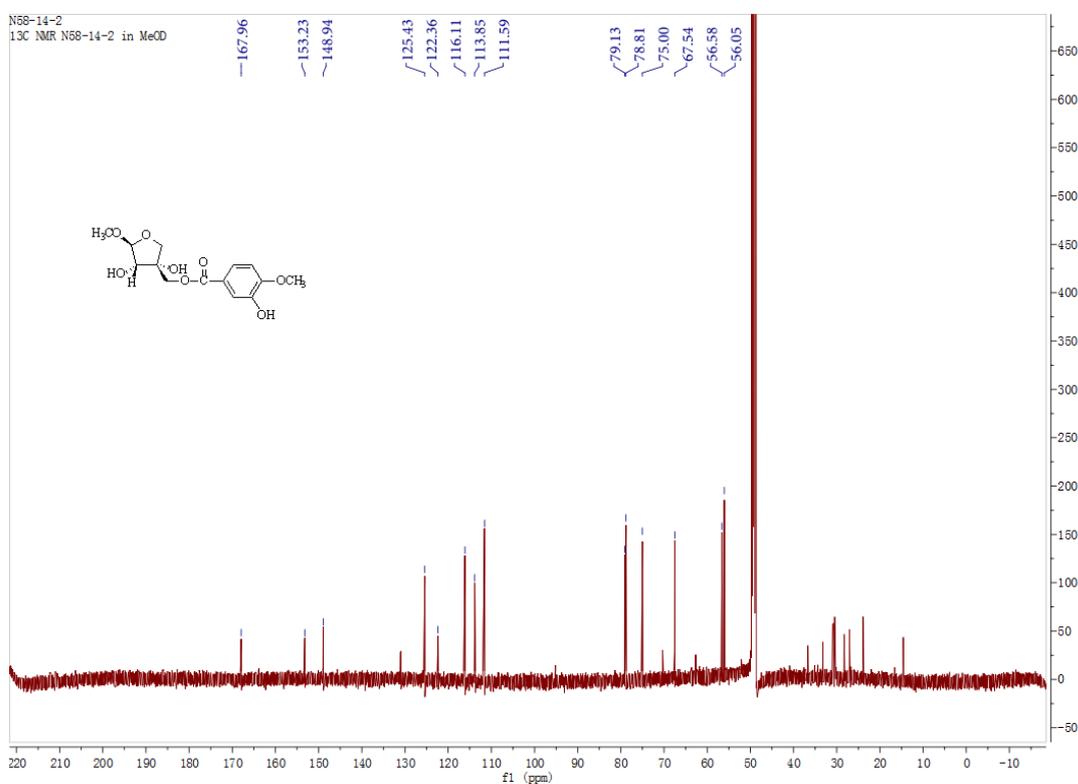


Figure S4-5 ^{13}C NMR (150 MHz, CD_3OD) spectrum of compound 4

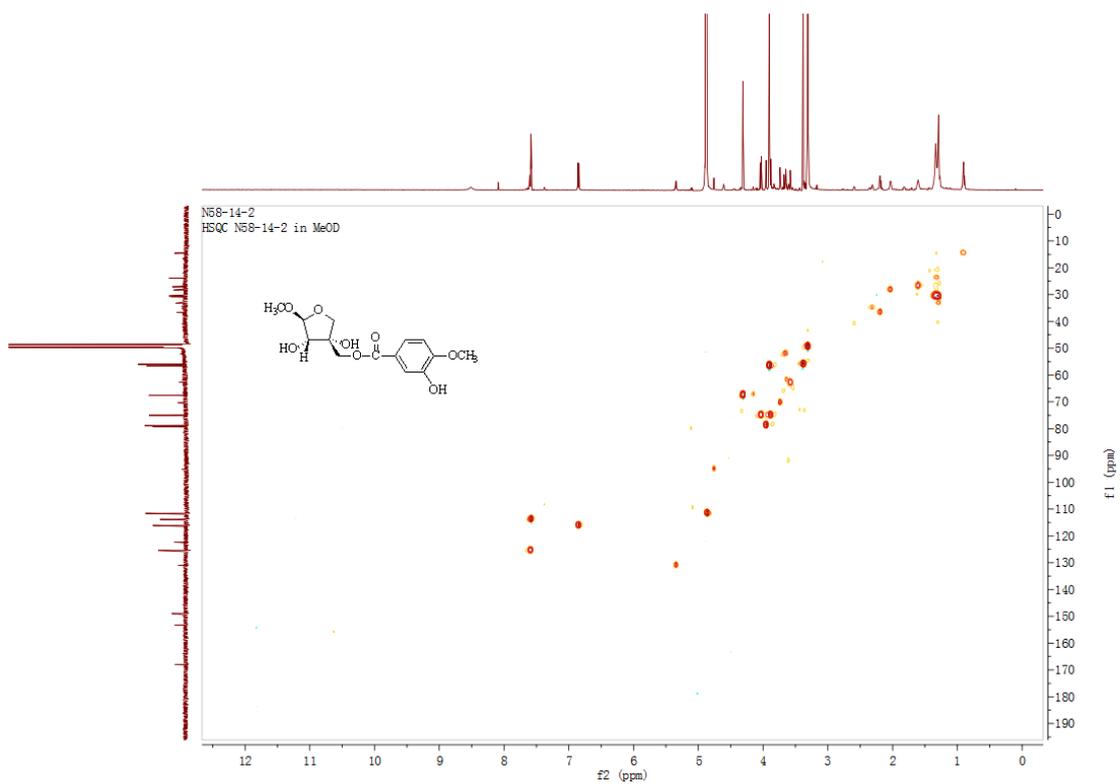


Figure S4-6 HSQC (CD₃OD) spectrum of compound **4**

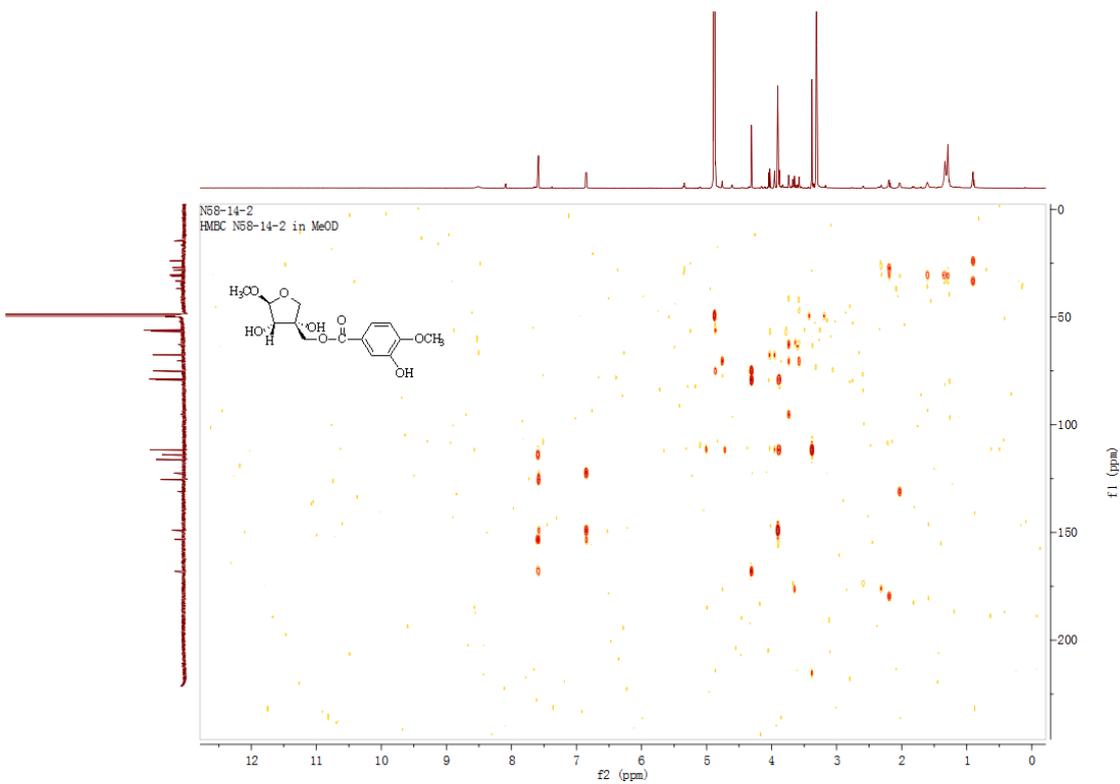


Figure S4-7 HMBC (CD₃OD) spectrum of compound **4**

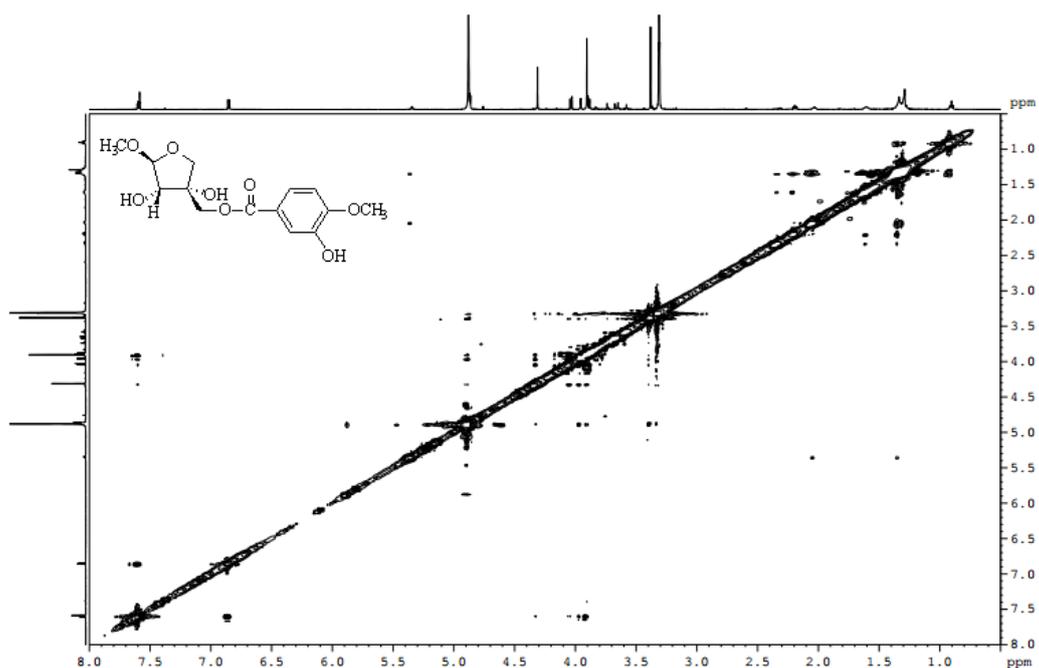


Figure S4-8 NOESY (CD₃OD) spectrum of compound **4**

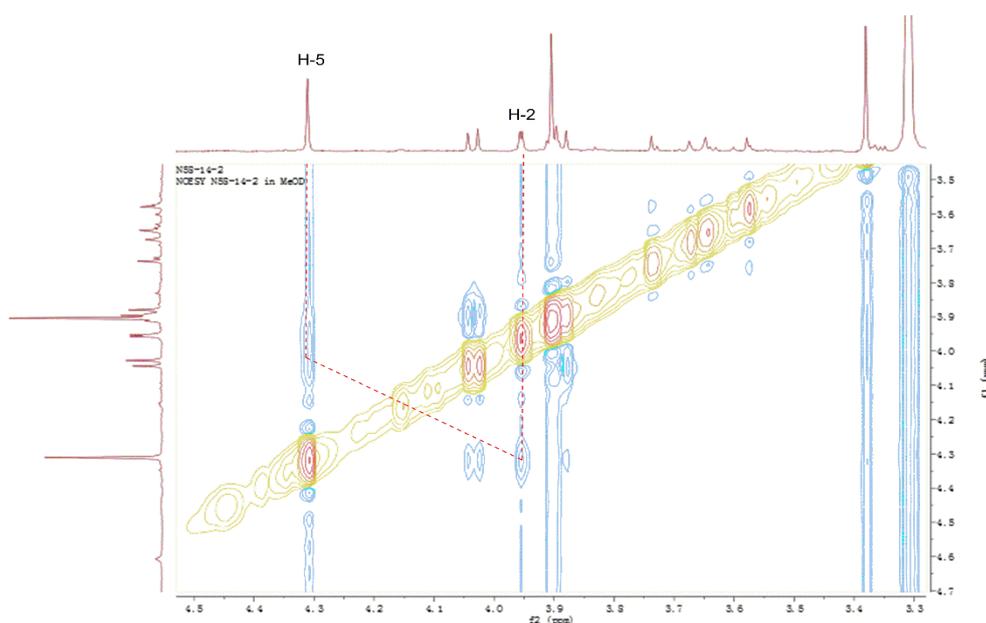


Figure S4-9 Key NOESY (CD₃OD) spectrum of compound **4**

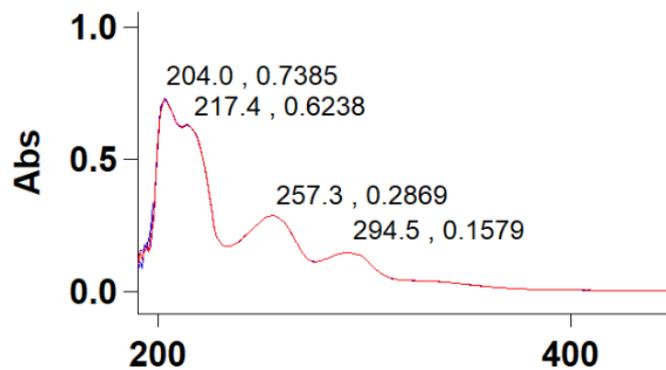


Figure S5-1 UV spectrum of compound **5** in CH₃OH

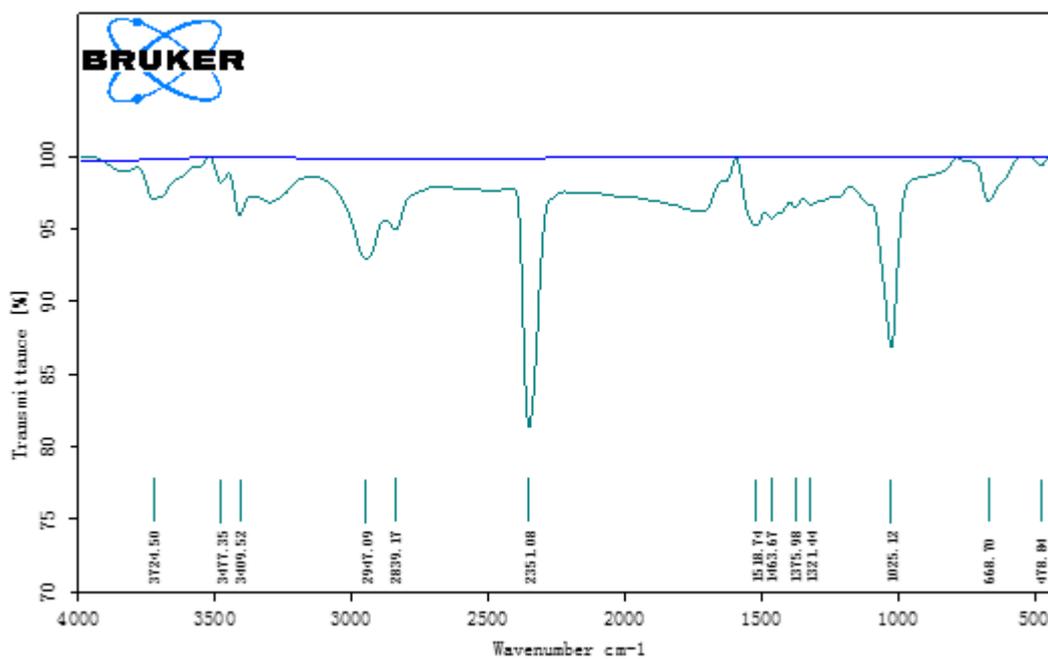
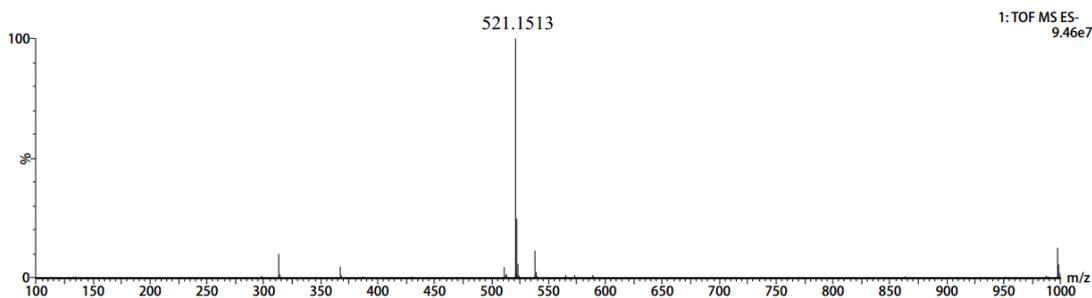


Figure S5-2 IR spectrum of compound **5** (KBr disc)



Elemental Composition Calculator

Target m/z:	521.1513	Result type:	Negative ions	Species:	[M+COOH] ⁻
Elements:	C(0-20),H(0-120),O(0-10)				

Ion Formula	Calculated m/z	PPM Error
C ₂₁ H ₂₉ O ₁₅	521.1506	1.34

Figure S5-3 HRESIMS of compound 5

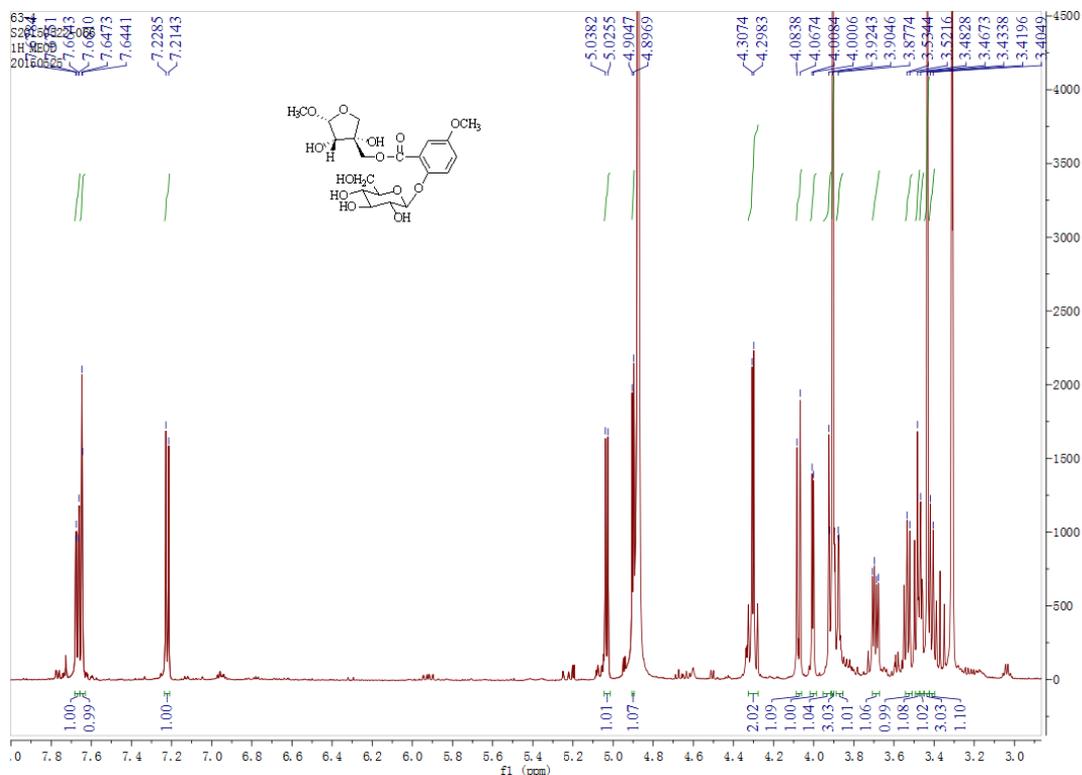


Figure S5-4 ¹H NMR (600 MHz, CD₃OD) spectrum of compound 5

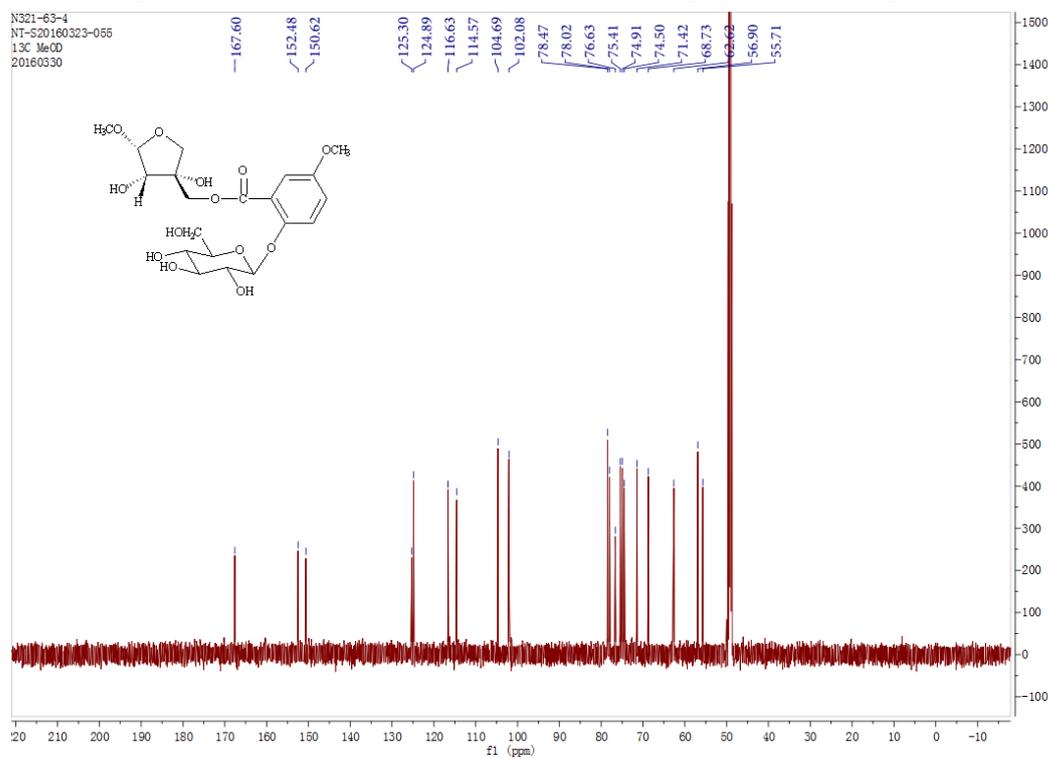


Figure S5-5 ¹³C NMR (150 MHz, CD₃OD) spectrum of compound 5

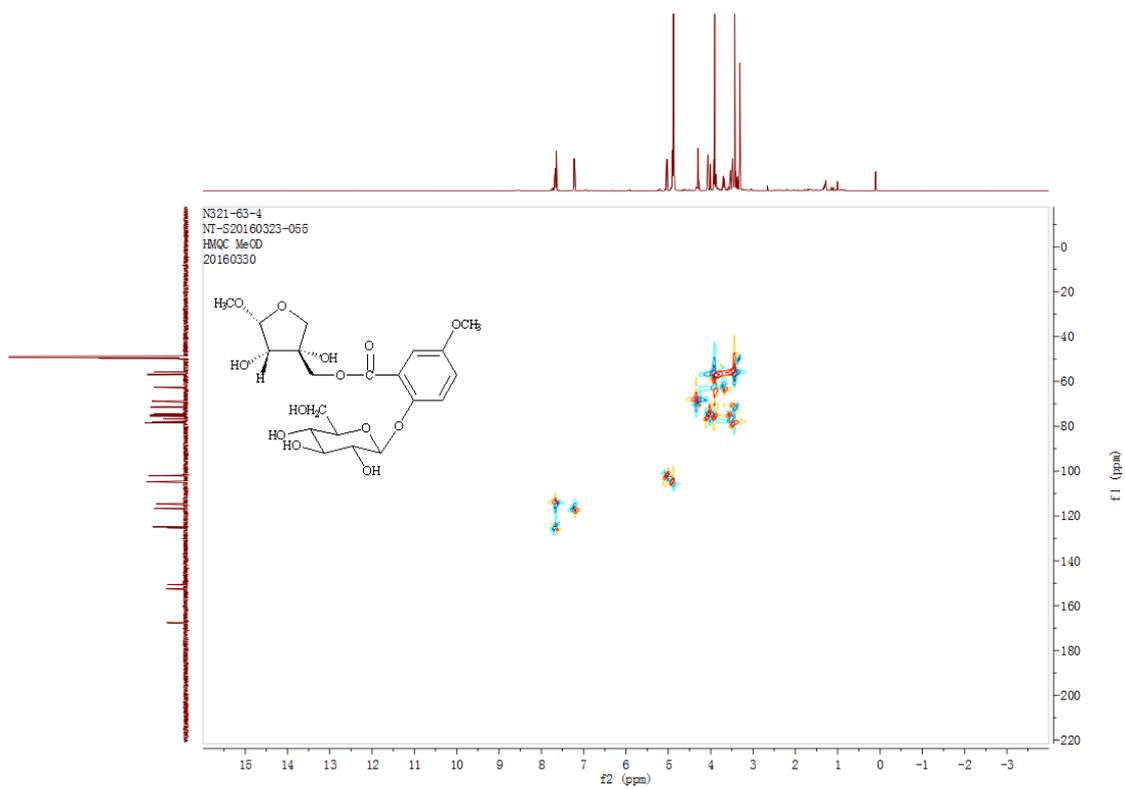


Figure S5-6 HSQC (CD₃OD) spectrum of compound **5**

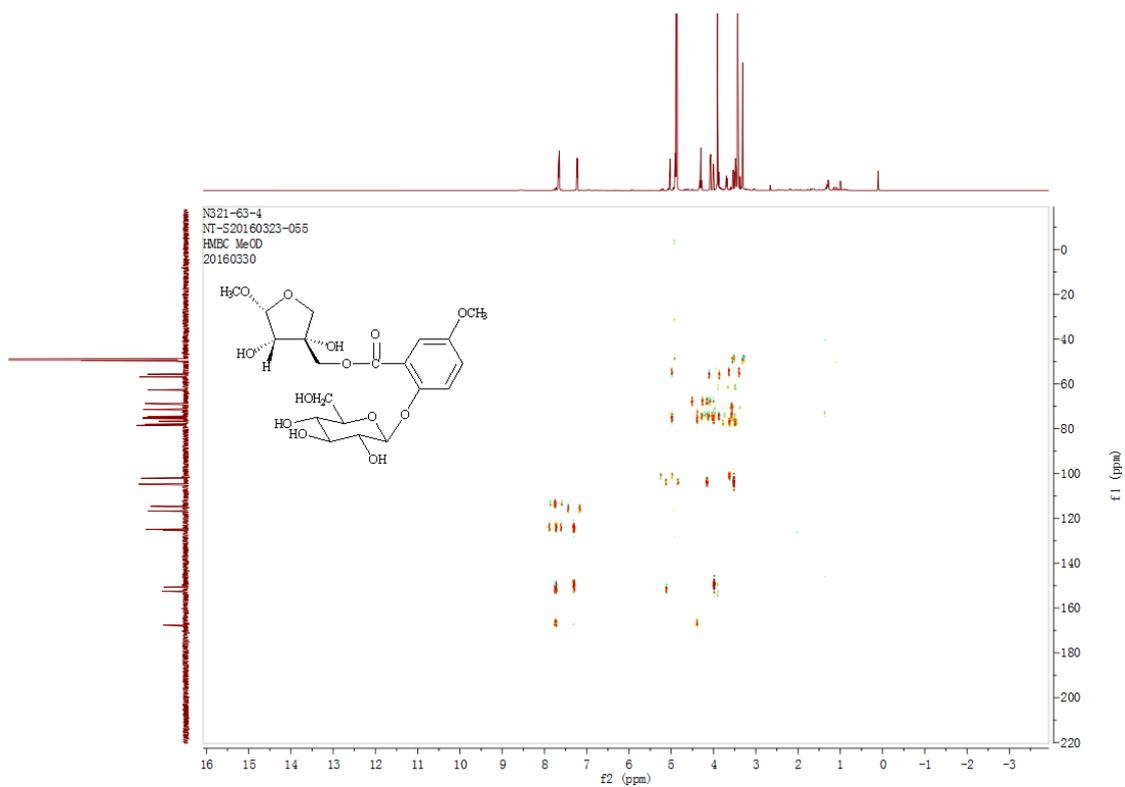


Figure S5-7 HMBC (CD₃OD) spectrum of compound **5**

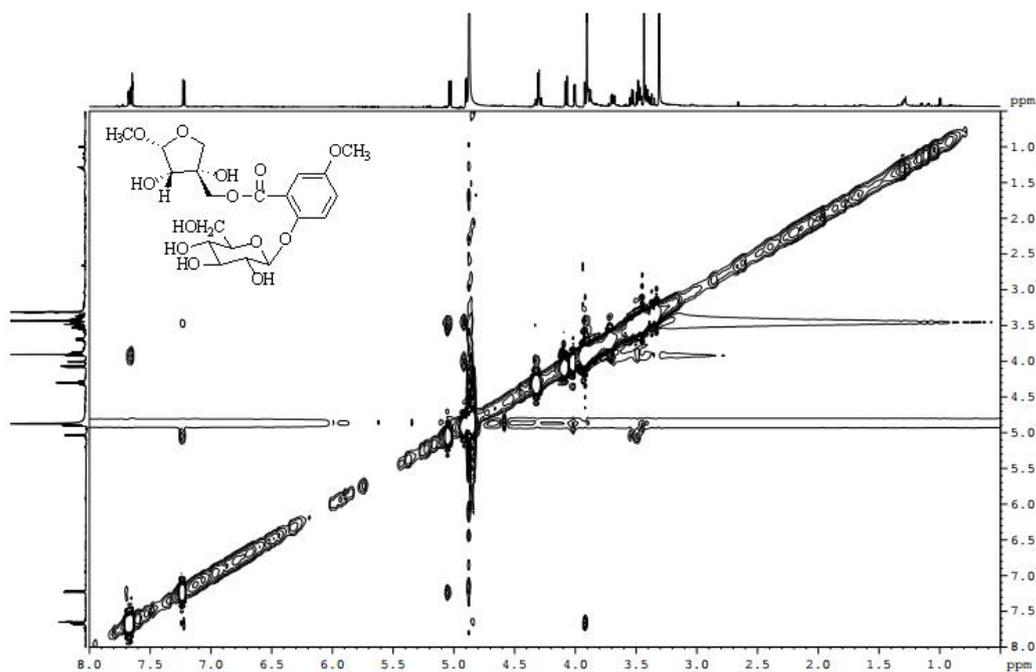


Figure S5-8 NOESY (CD₃OD) spectrum of compound **5**

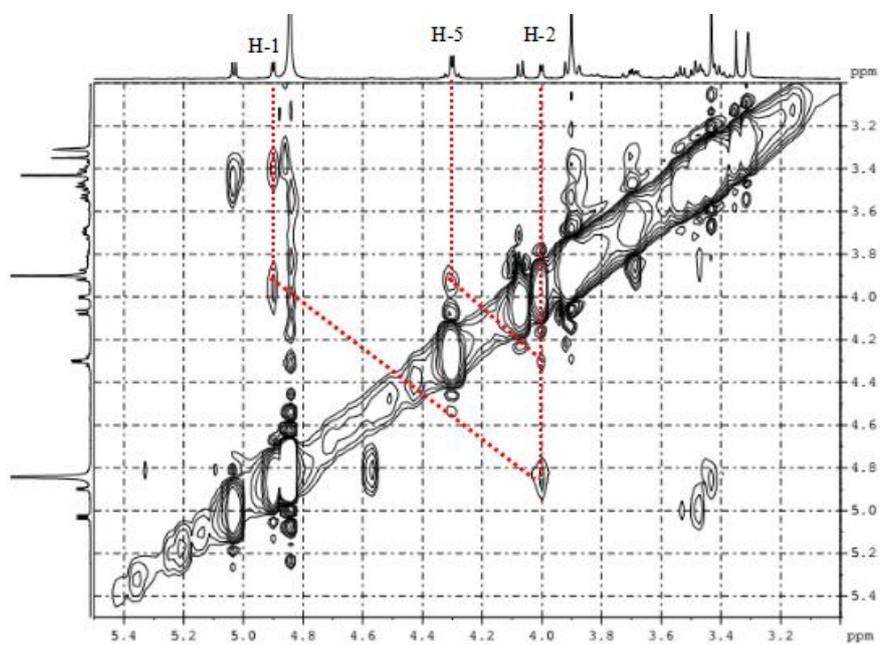


Figure S5-9 Key NOESY (CD₃OD) spectrum of compound **5**

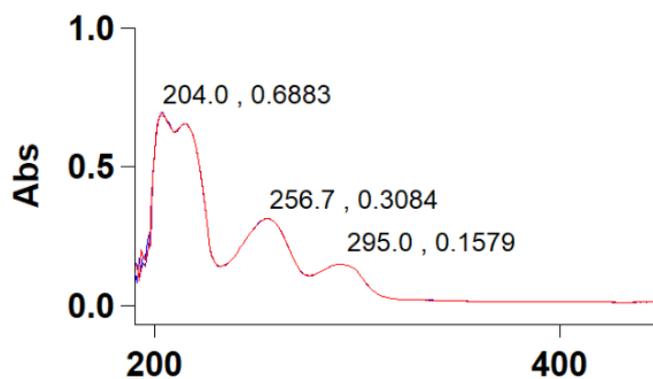


Figure S6-1 UV spectrum of compound **6** in CH₃OH

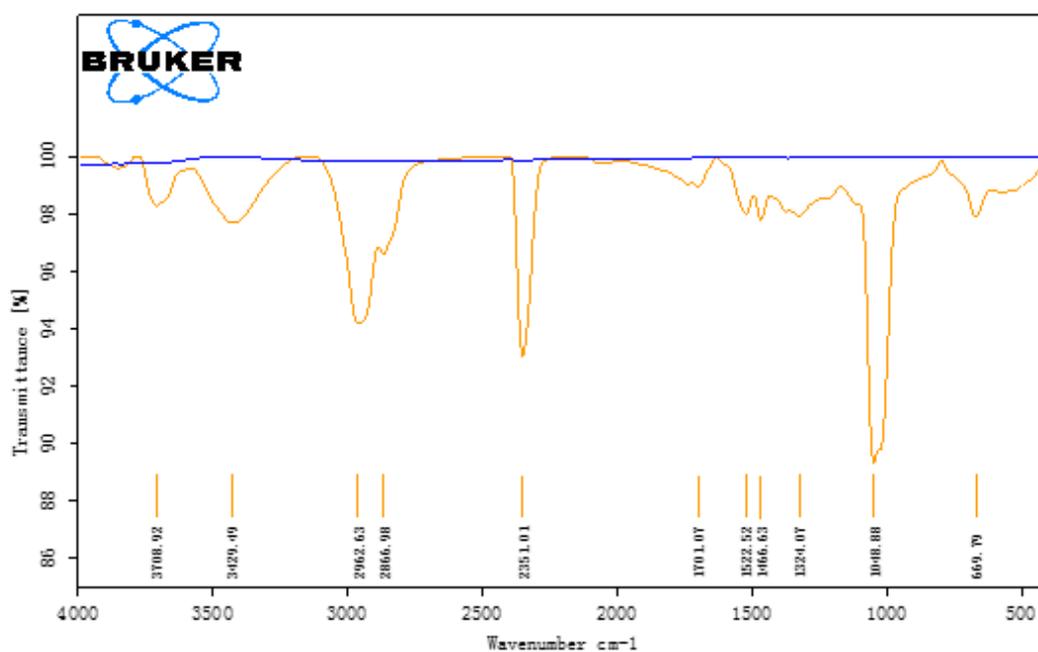
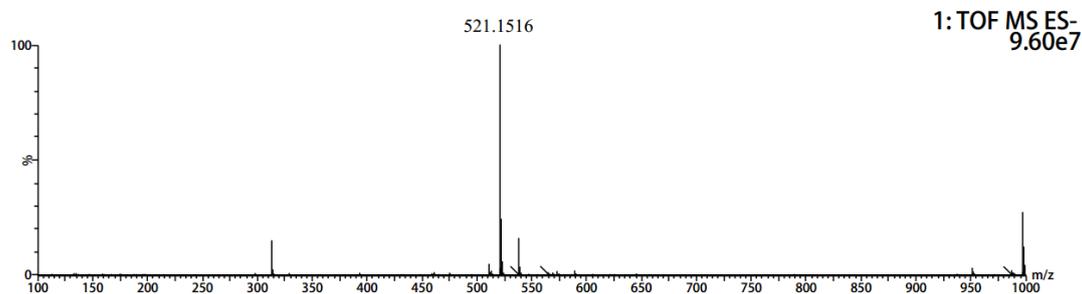


Figure S6-2 IR spectrum of compound **6** (KBr disc)



Elemental Composition Calculator

Target m/z:	521.1516	Result type:	Negative ions	Species:	[M+COOH] ⁻
Elements:	C(0-20),H(0-120),O(0-10)				

Ion Formula	Calculated m/z	PPM Error
C ₂₁ H ₂₉ O ₁₅	521.1506	1.92

Figure S6-3 HRESIMS of compound **6**

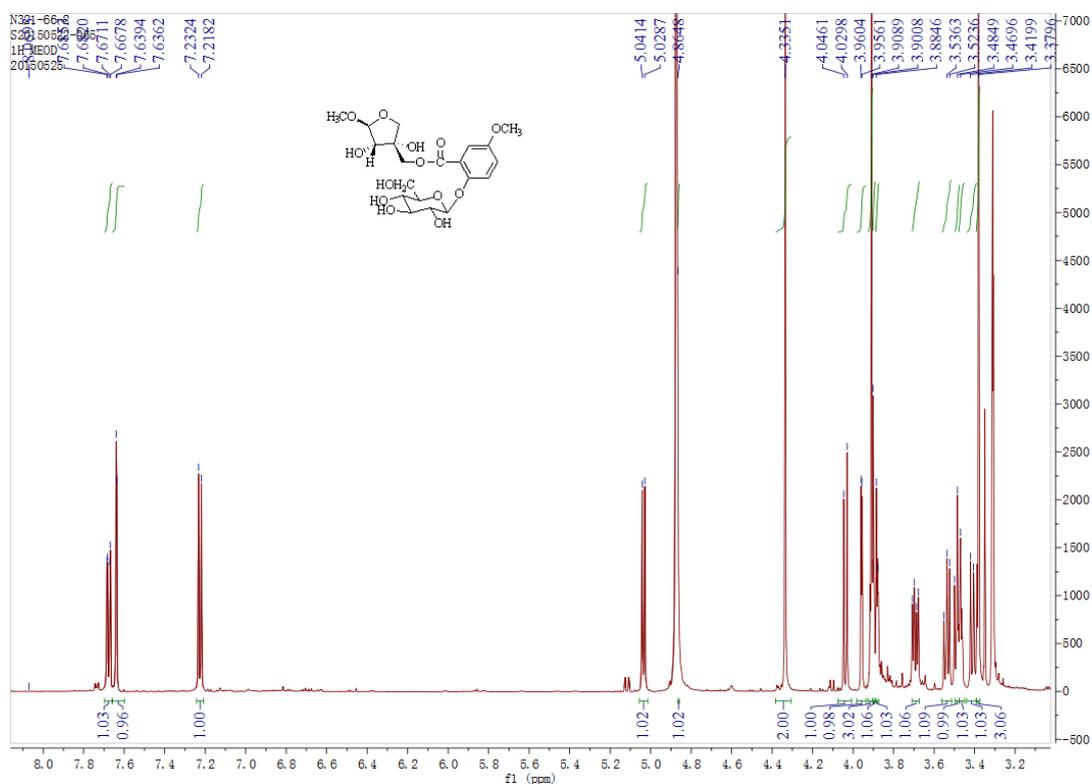


Figure S6-4 ¹H NMR (600 MHz, CD₃OD) spectrum of compound **6**

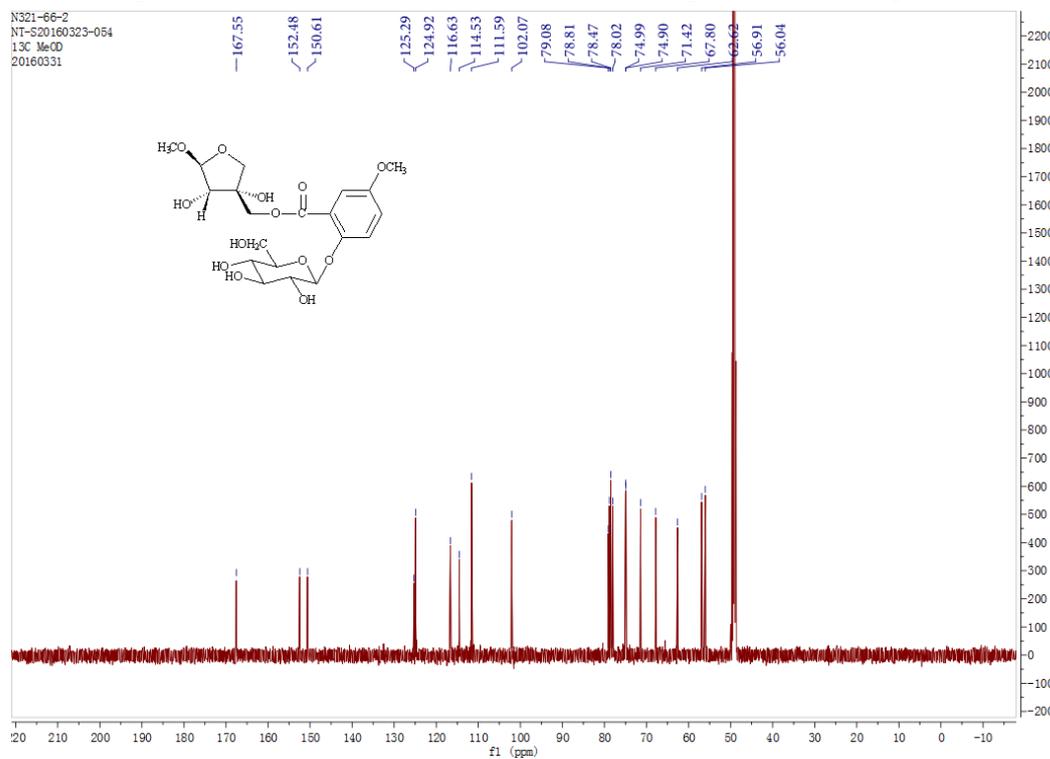


Figure S6-5 ¹³C NMR (150 MHz, CD₃OD) spectrum of compound **6**

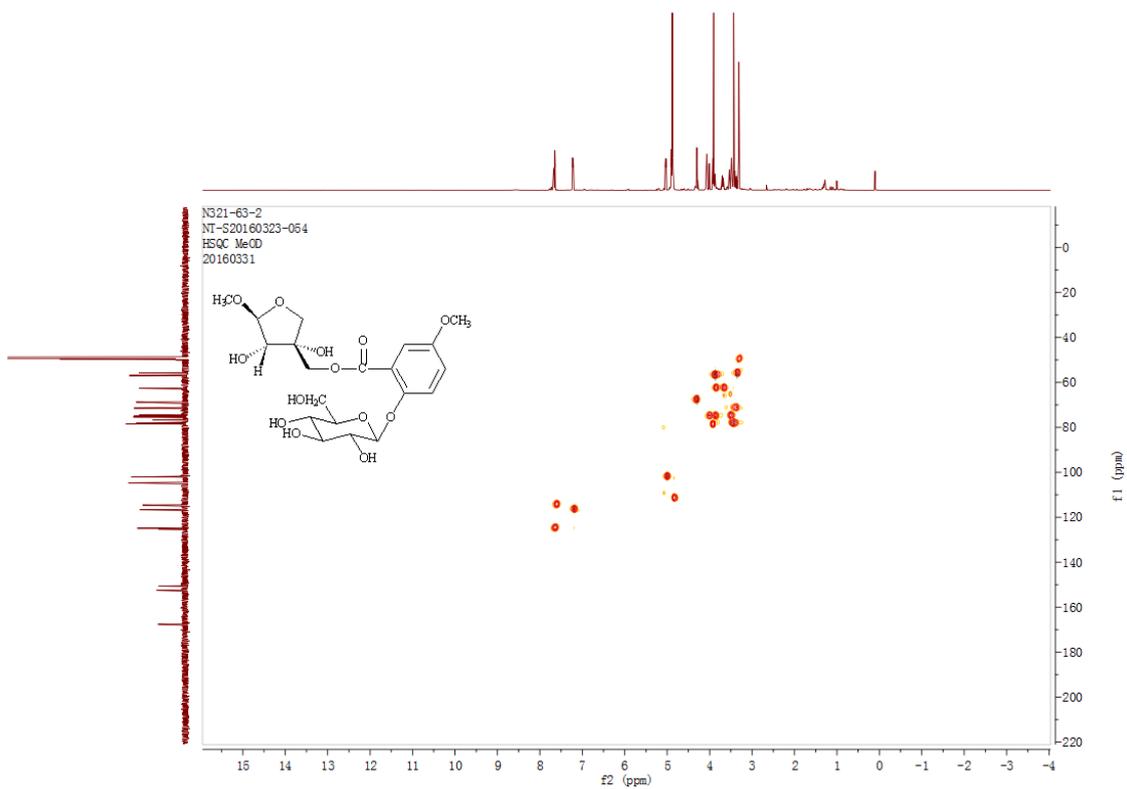


Figure S6-6 HSQC (CD₃OD) spectrum of compound **6**

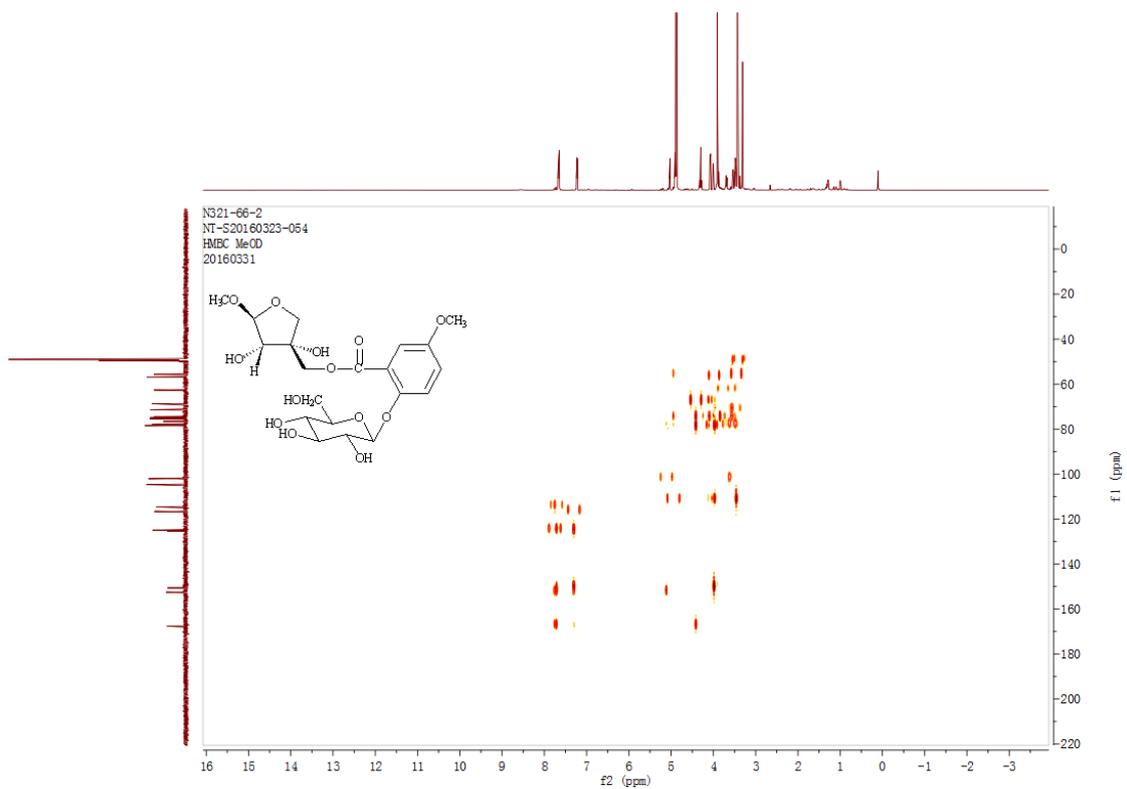


Figure S6-7 HMBC (CD₃OD) spectrum of compound **6**

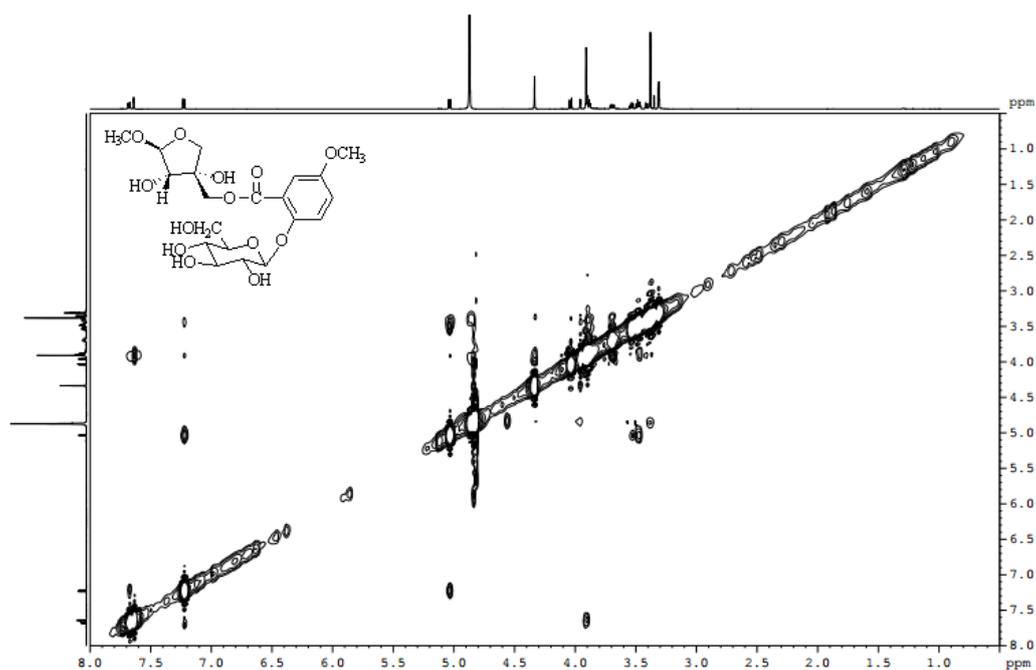


Figure S6-8 NOESY (CD₃OD) spectrum of compound **6**

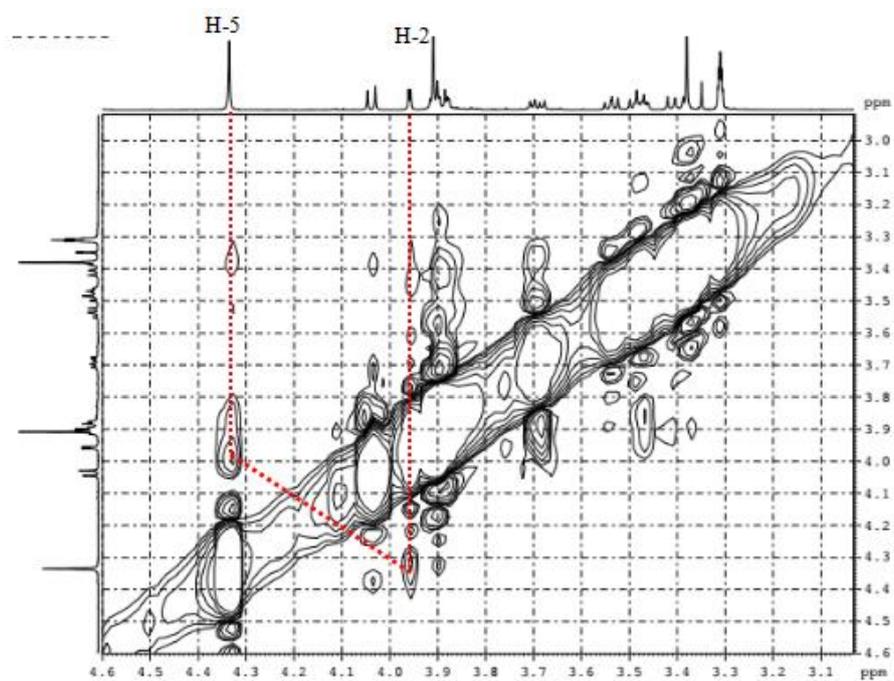


Figure S6-9 Key NOESY (CD₃OD) spectrum of compound **6**