

Supplementary Materials

New Iridoid Derivatives from the Fruits of *Cornus officinalis* and Their Neuroprotective Activities

Lin-lin Ji^{1#}, Xin Wang^{1#}, Jin-Jie Li¹, Xiang-Jian Zhong¹, Bo Zhang¹, Jing Juan¹, Xiao-Ya Shang^{1*}

¹ Beijing Key Laboratory of Bioactive Substances and Functional Foods, Beijing Union University, Beijing 100191, China

* Correspondence: shangxiaoya@buu.edu.cn; Tel.: +86-010-6200-4533

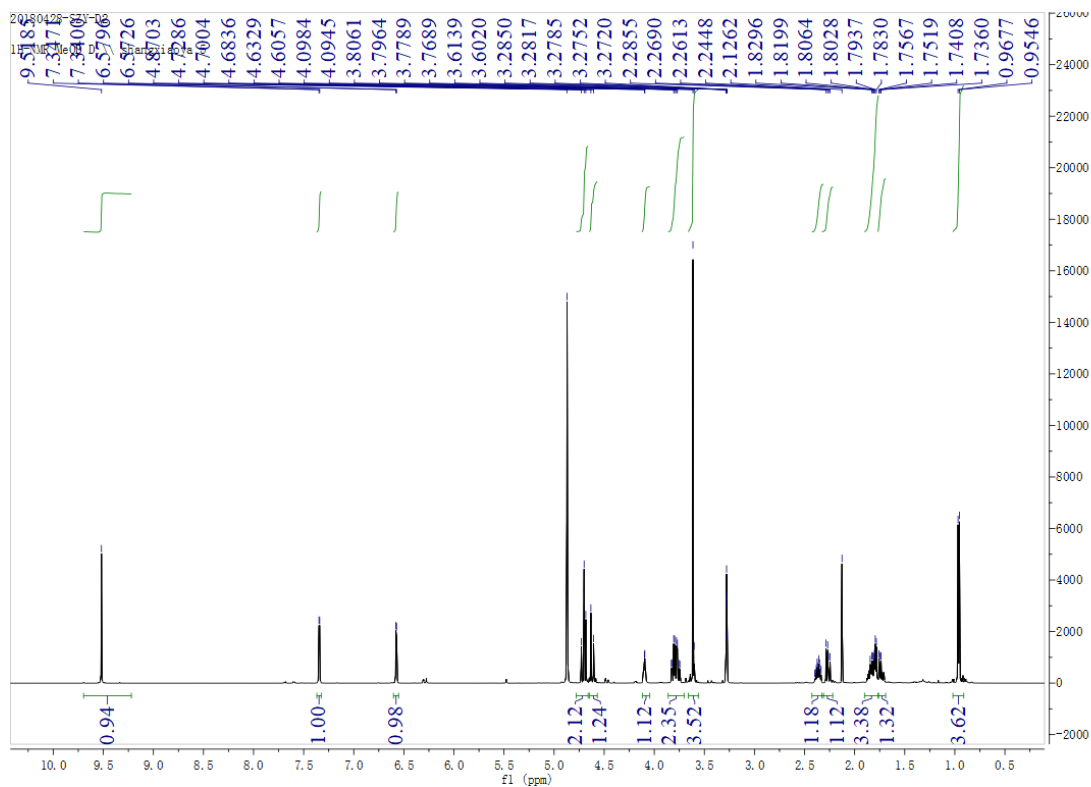
These authors contributed equally to this work

Received: date; Accepted: date; Published: date

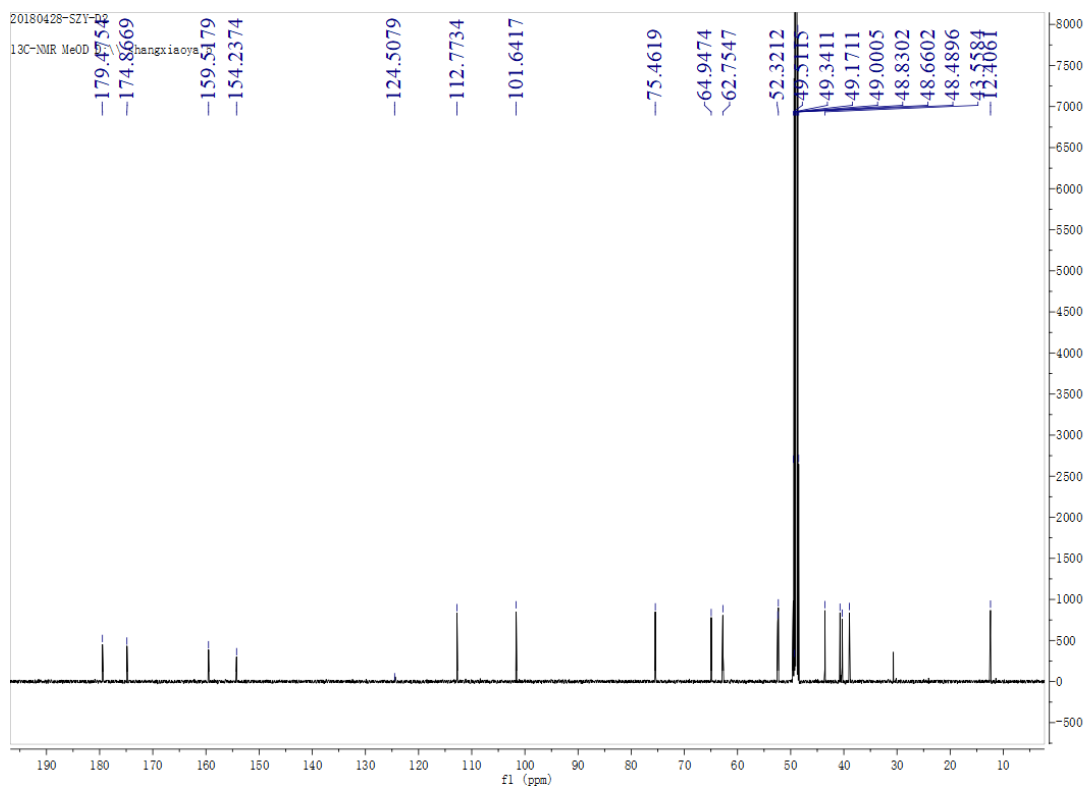
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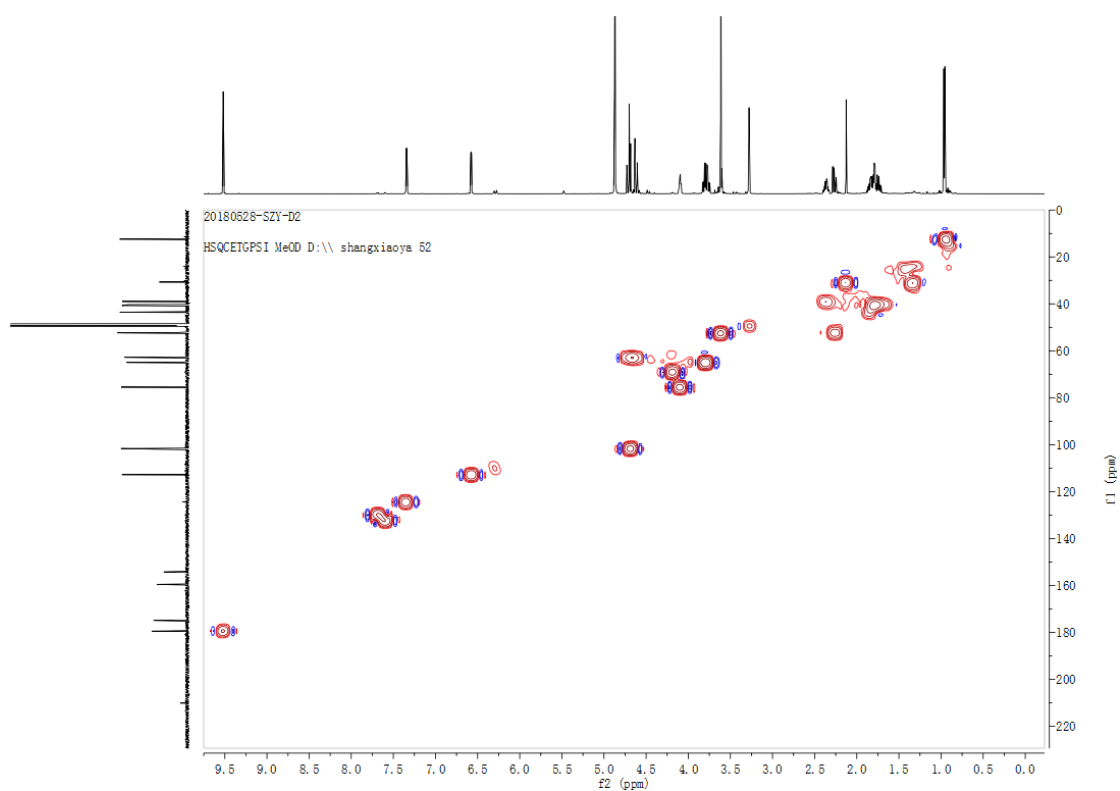
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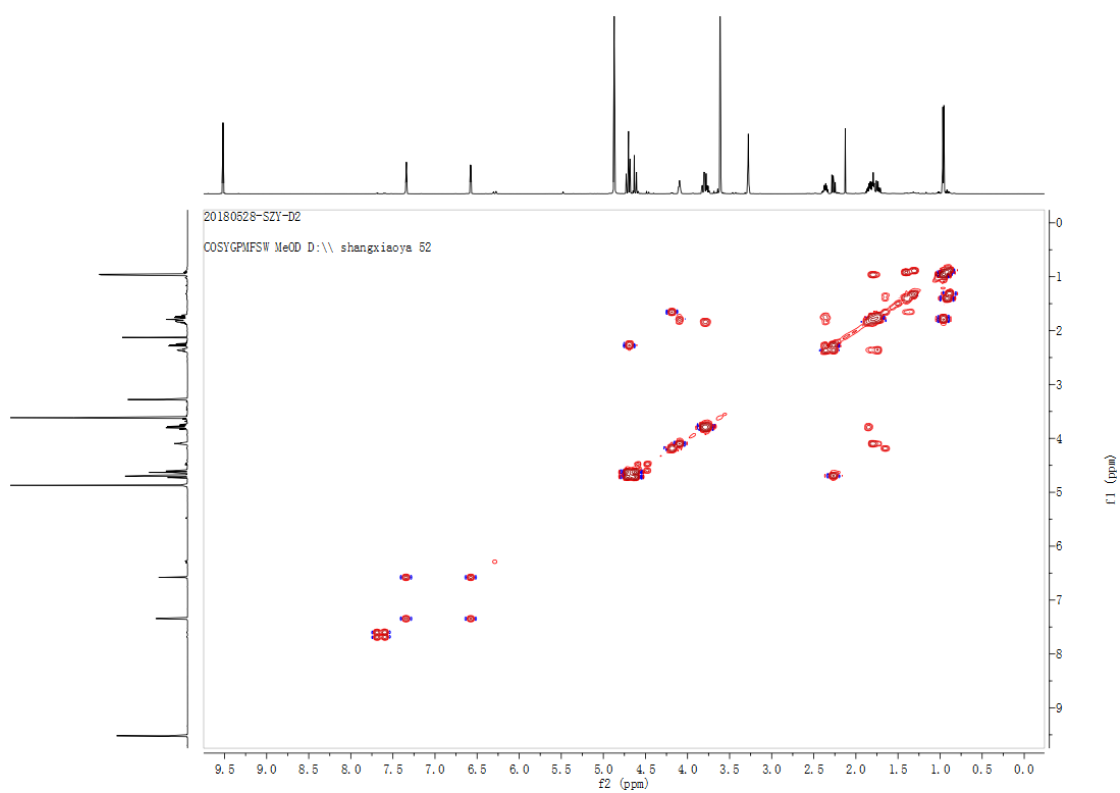
S1 ^1H NMR spectrum of Compound 1



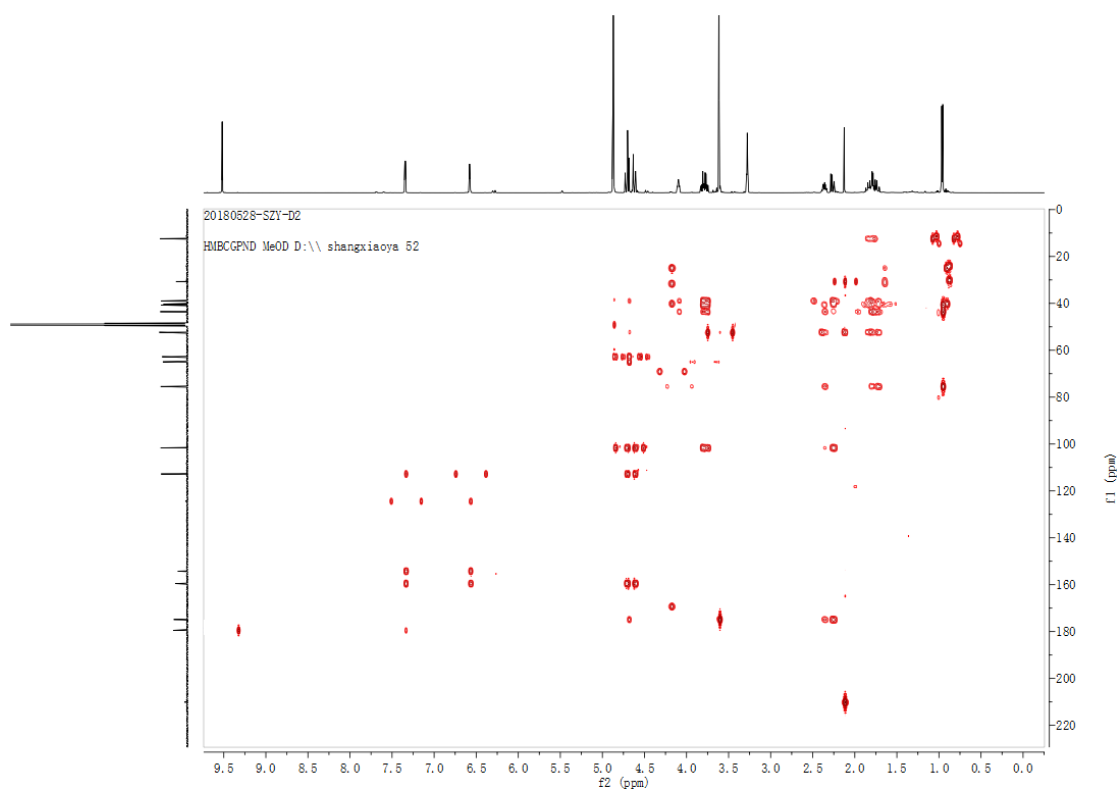
S2 ^{13}C NMR spectrum of Compound **1**



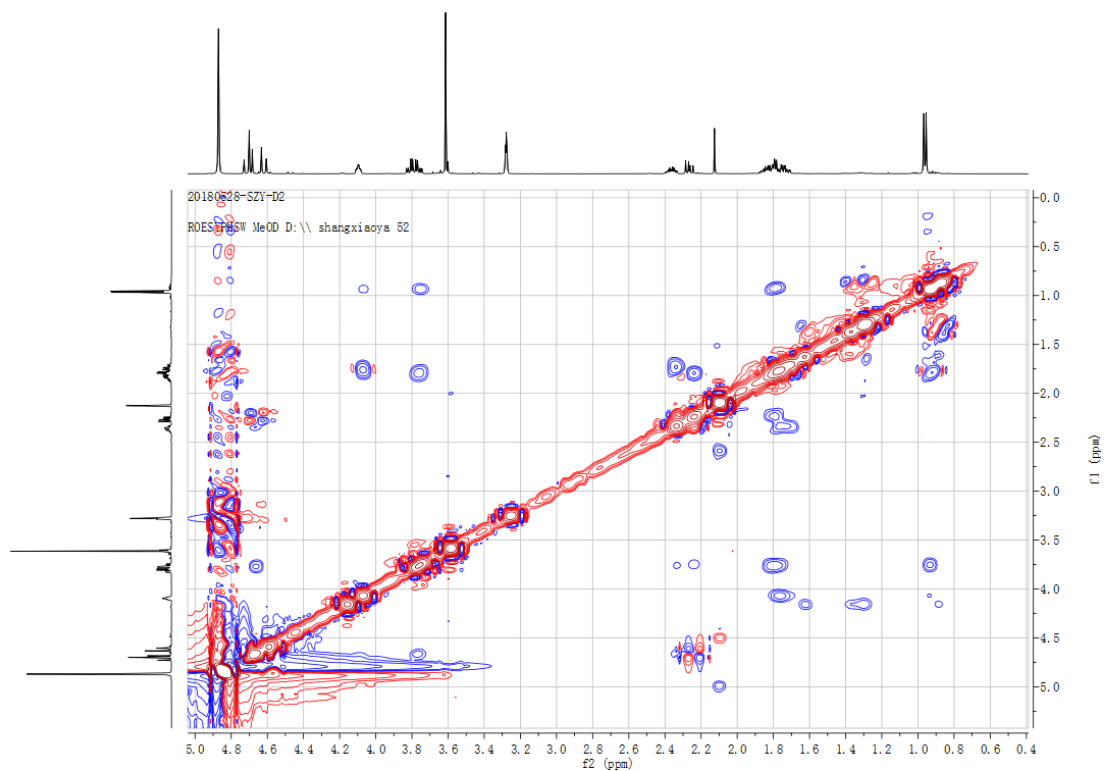
S3 HSQC spectrum of Compound **1**



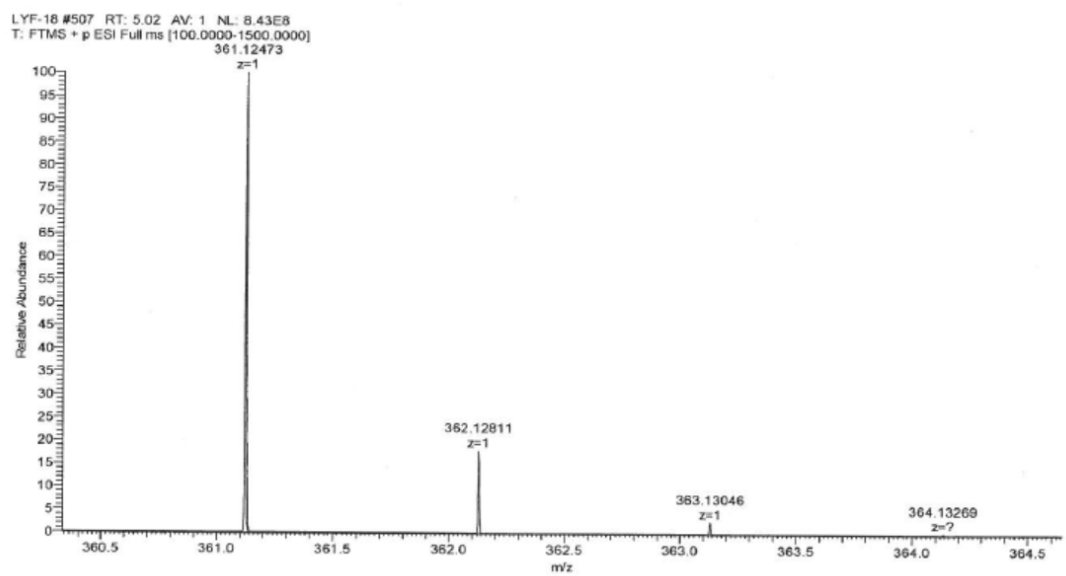
S4 ^1H - ^1H COSY spectrum of Compound **1**



S5 HMBC spectrum of Compound **1**

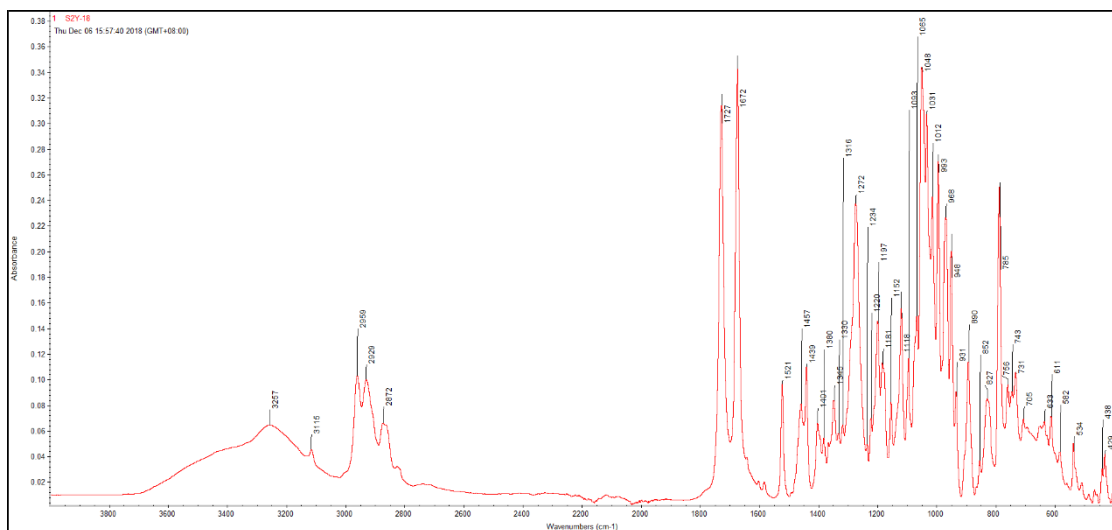


S6 NOESY spectrum of Compound **1**

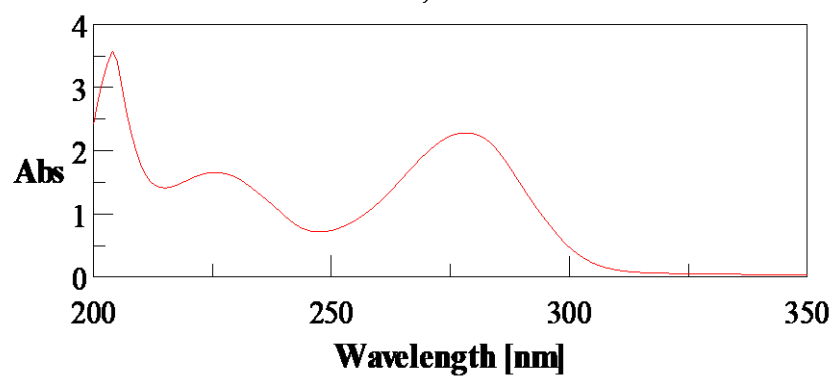


m/z	Theo. Mass	Delta (ppm)	RDB equiv.	Composition	
361.12473	361.12577	-2.89	6.5	C17 H22 O7 Na	M+Na

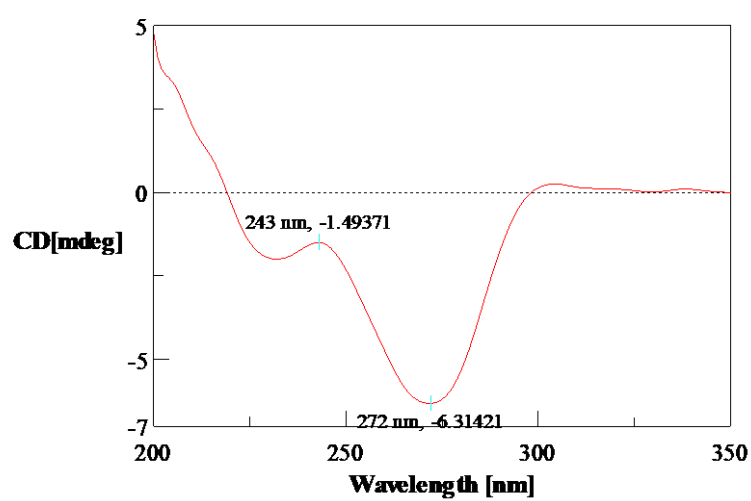
S7 HRESIMS spectrum of Compound **1**



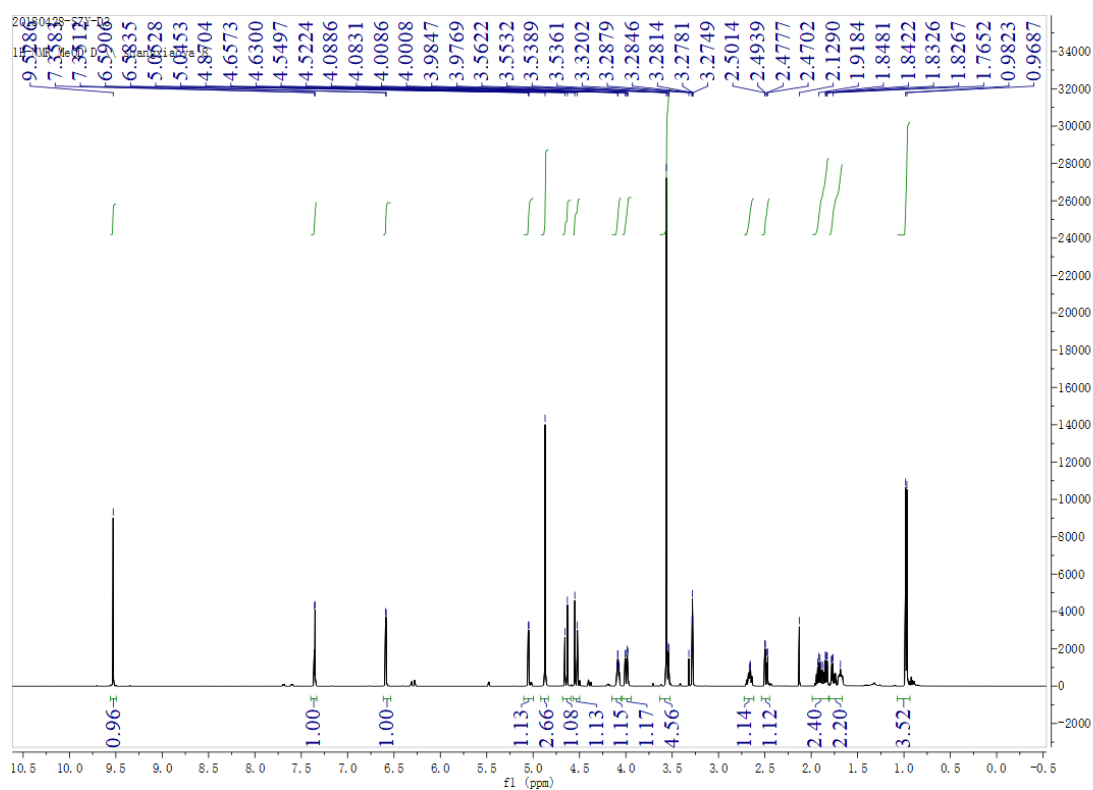
S8 IR spectrum of Compound **1**



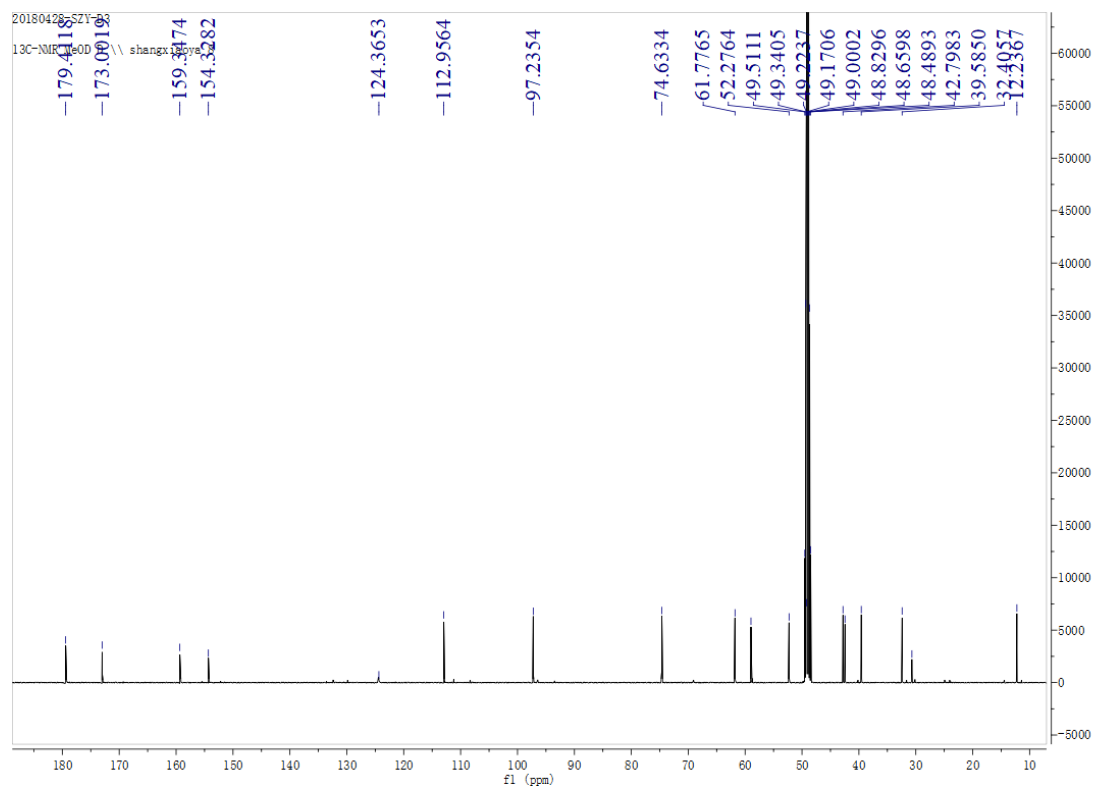
S9 UV spectrum of Compound 1



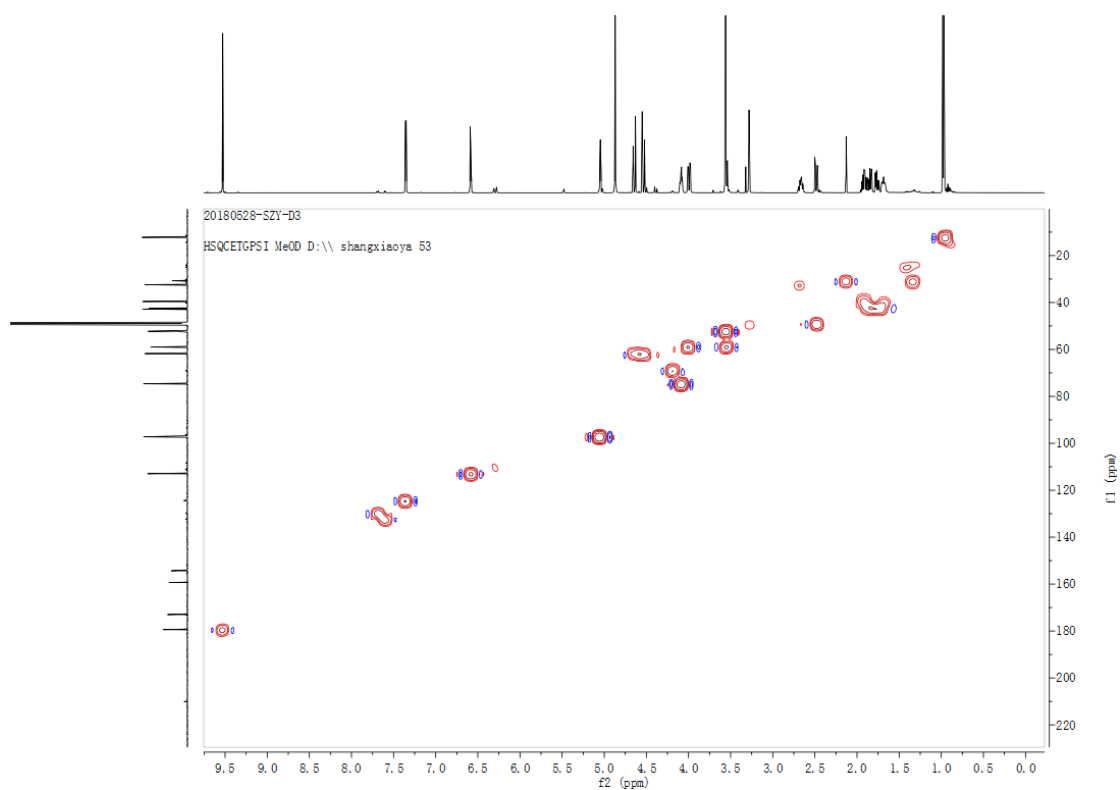
S10 CD spectrum of Compound 1



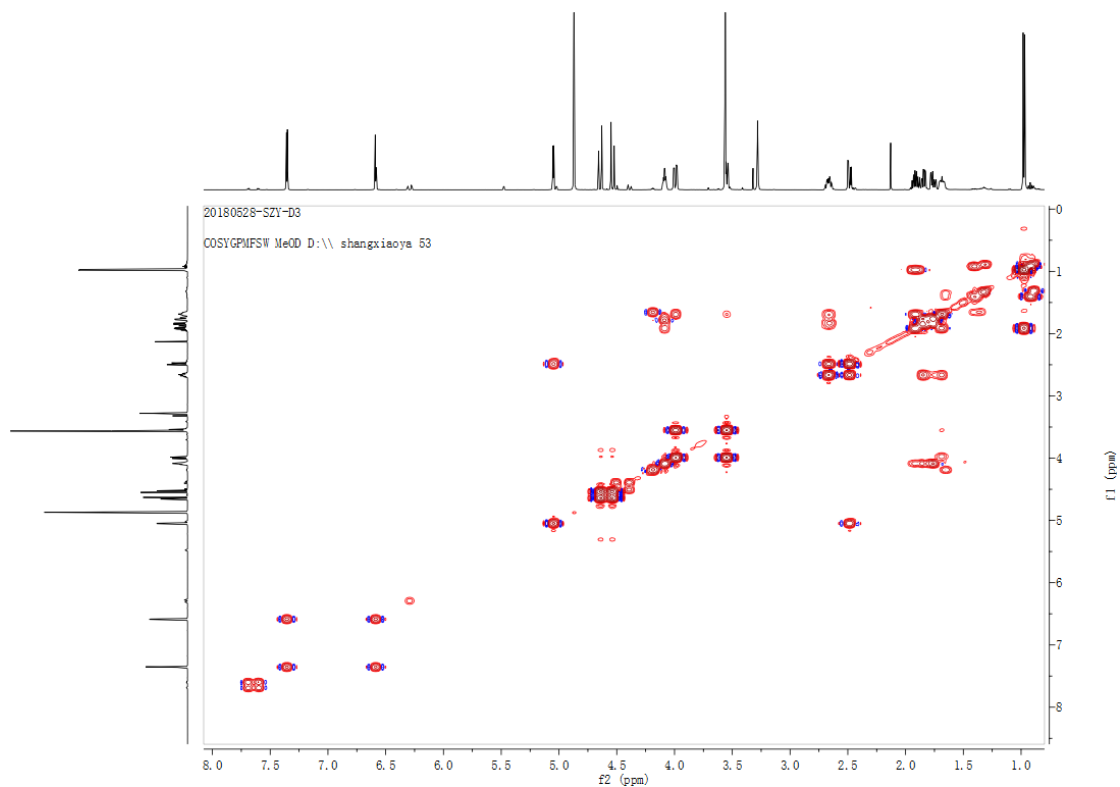
S11 ¹H NMR spectrum of Compound **2**



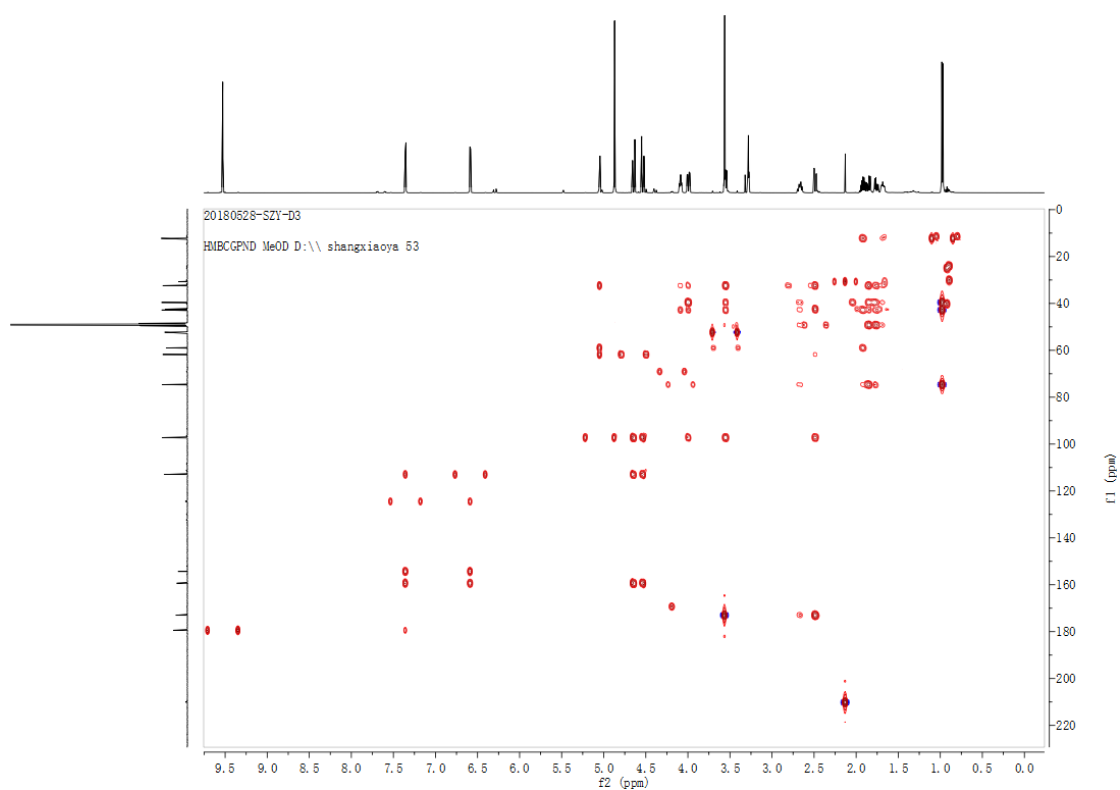
S12 ¹³C NMR spectrum of Compound **2**



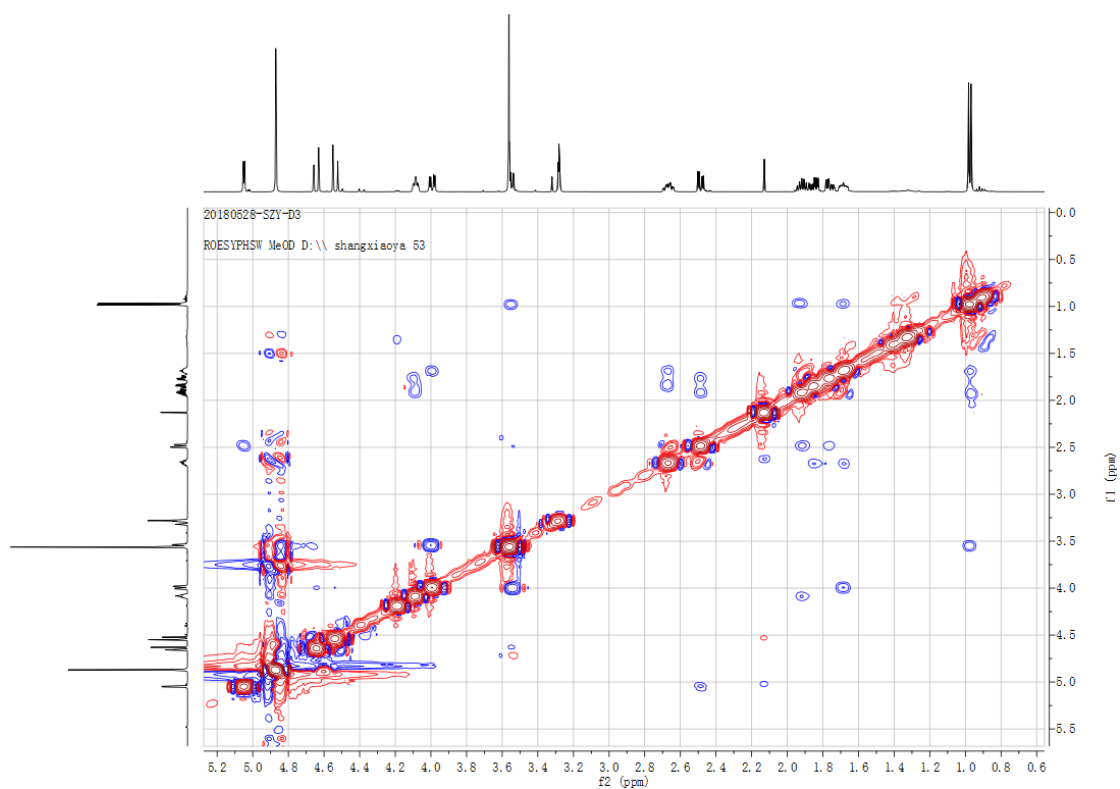
S13 HSQC spectrum of Compound **2**



S14 ^1H - ^1H COSY spectrum of Compound **2**

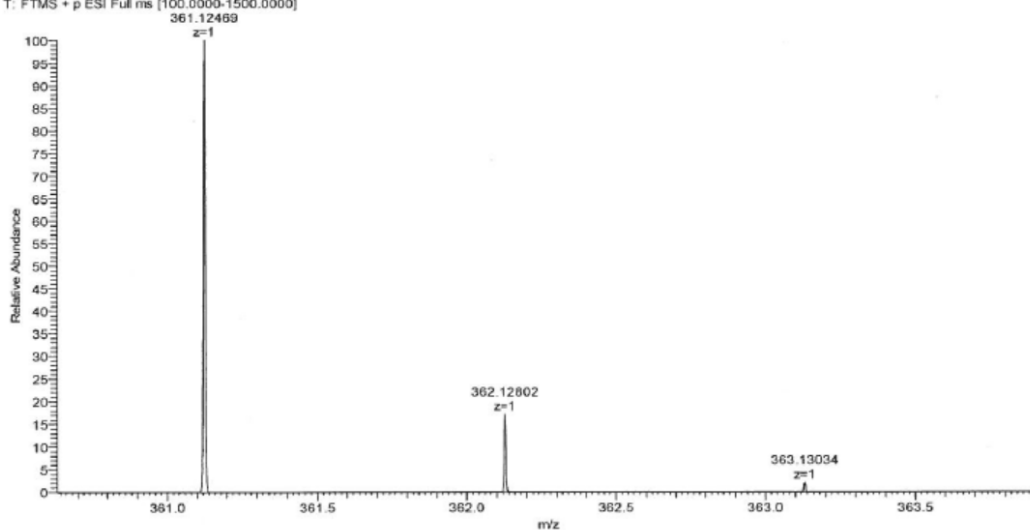


S15 HMBC spectrum of Compound 2



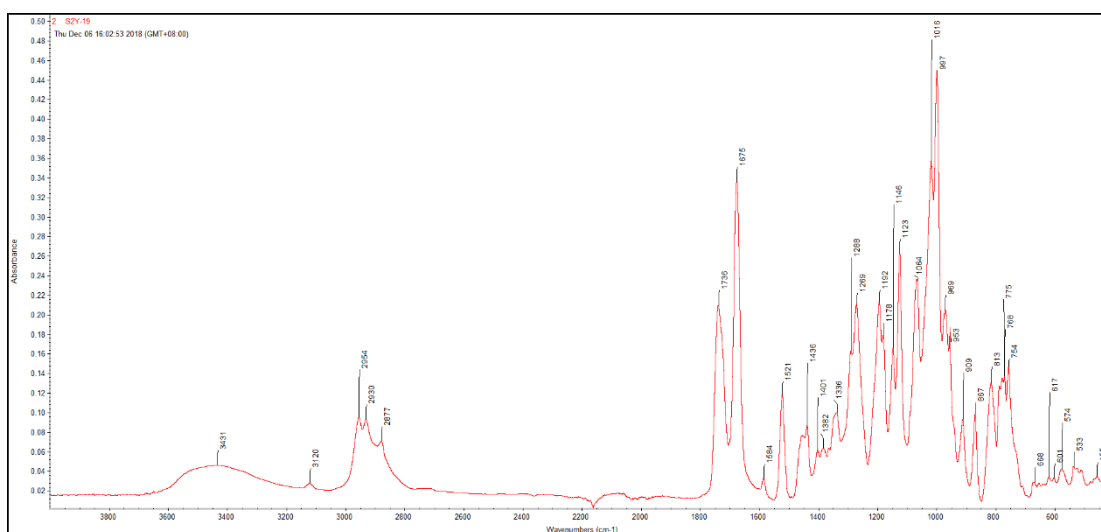
S16 NOESY spectrum of Compound 2

LYF-19 #519 RT: 5.13 AV: 1 NL: 1.24E9
T: FTMS + p ESI Full ms [100.0000-1500.0000]

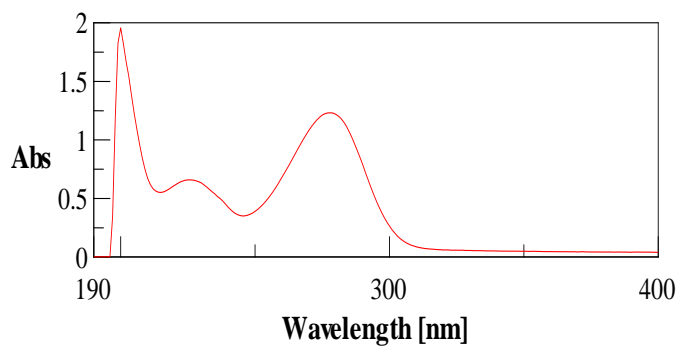


m/z	Theo. Mass	Delta (ppm)	RDB equiv.	Composition	
361.12469	361.12577	-3	6.5	C17 H22 O7 Na	M+Na

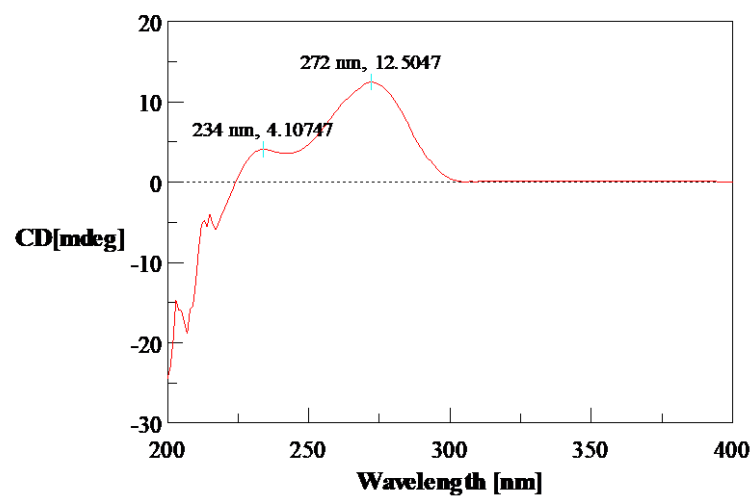
S17 HRESIMS spectrum of Compound 2



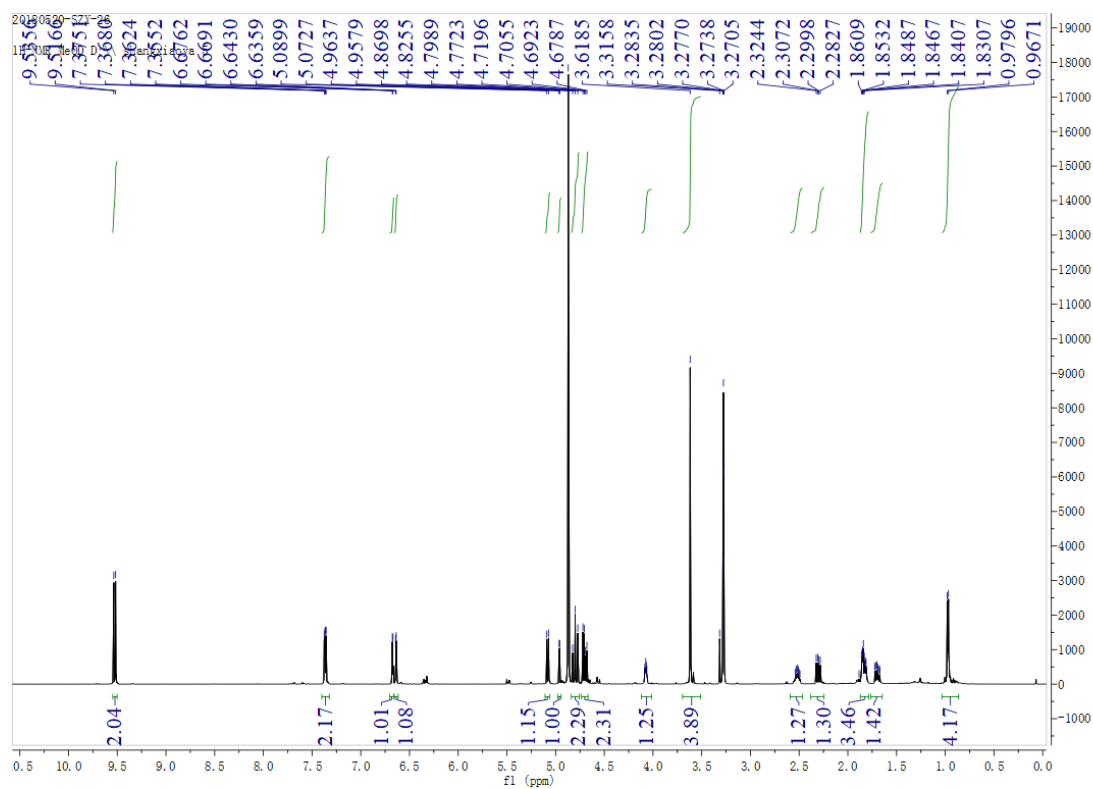
S18 IR spectrum of Compound 2



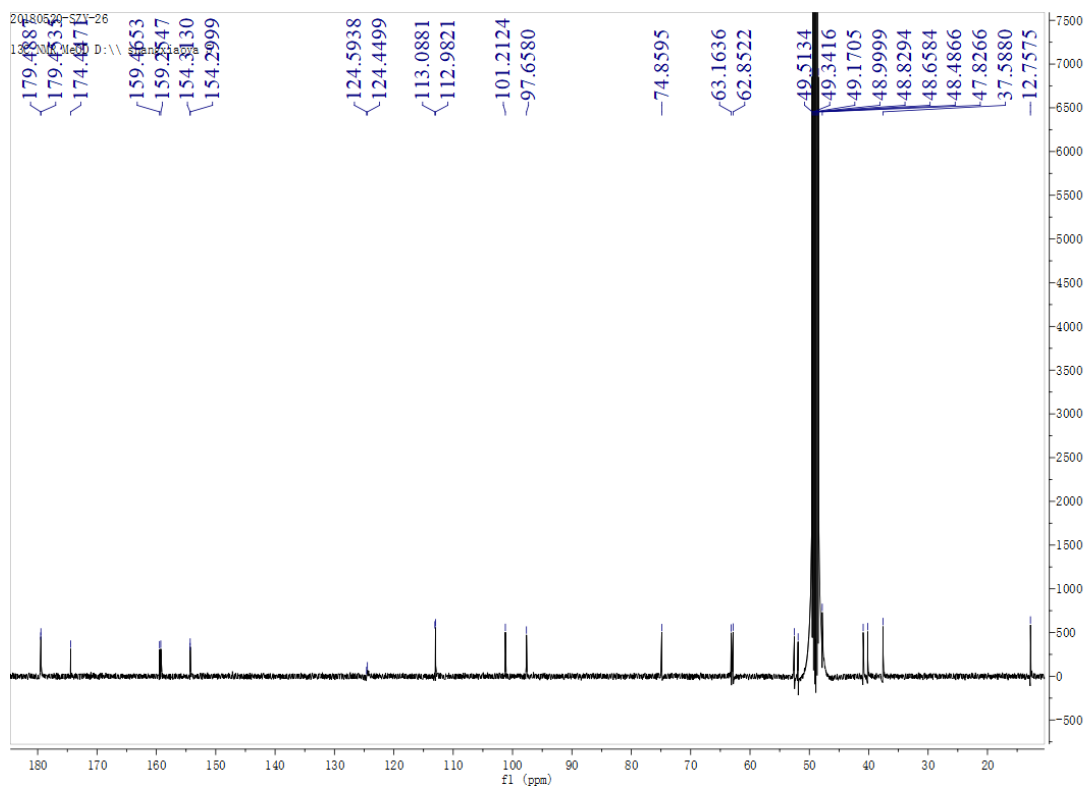
S19 UV spectrum of Compound 2



S20 CD spectrum of Compound 2

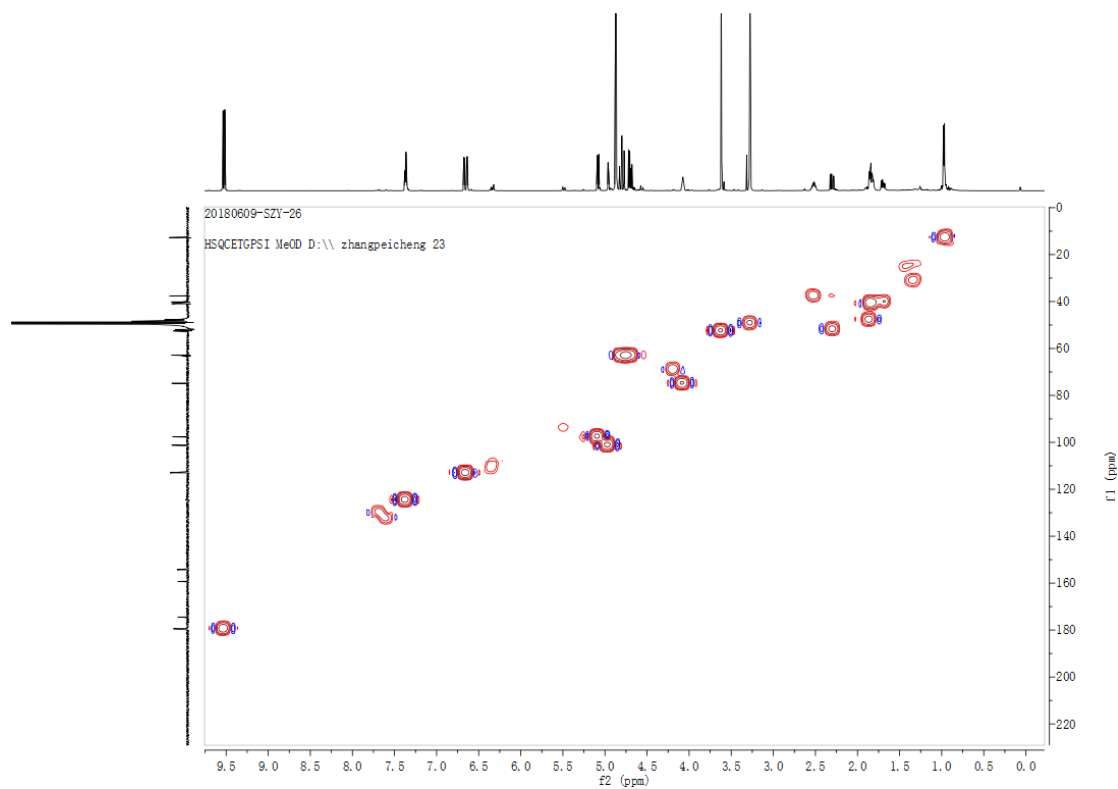


S21 ^1H NMR spectrum of Compound 3

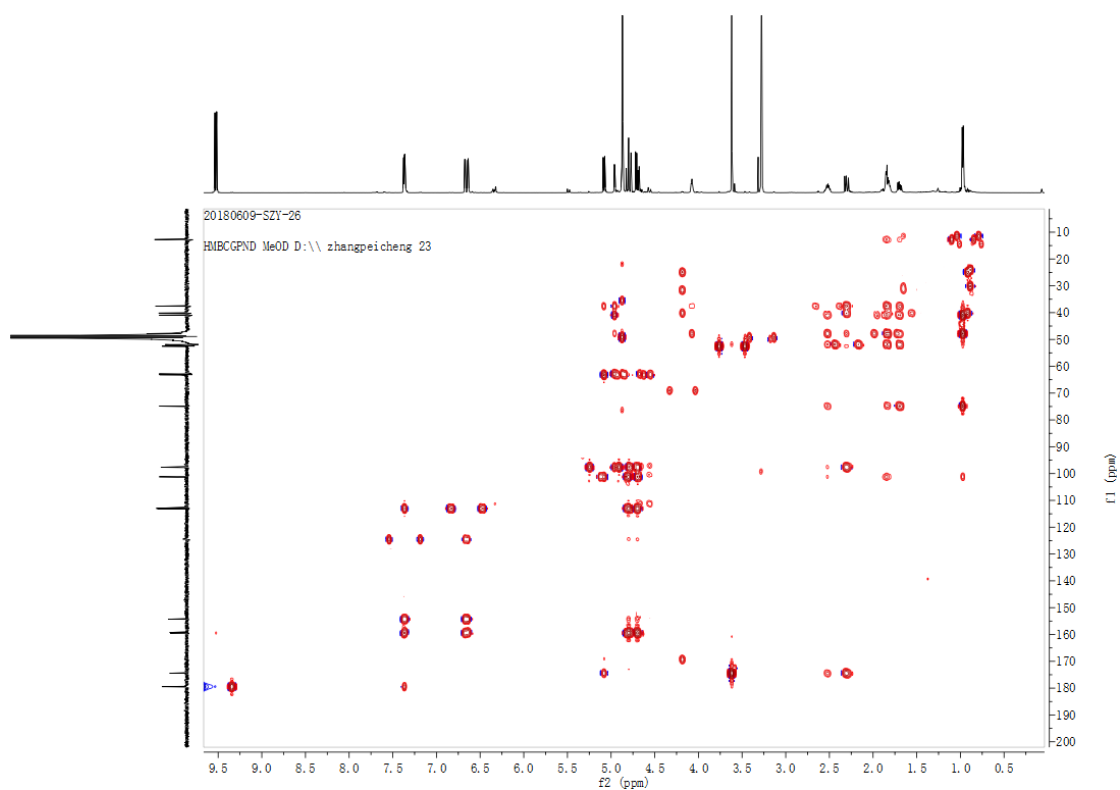


S22 ^{13}C NMR spectrum of Compound **3**

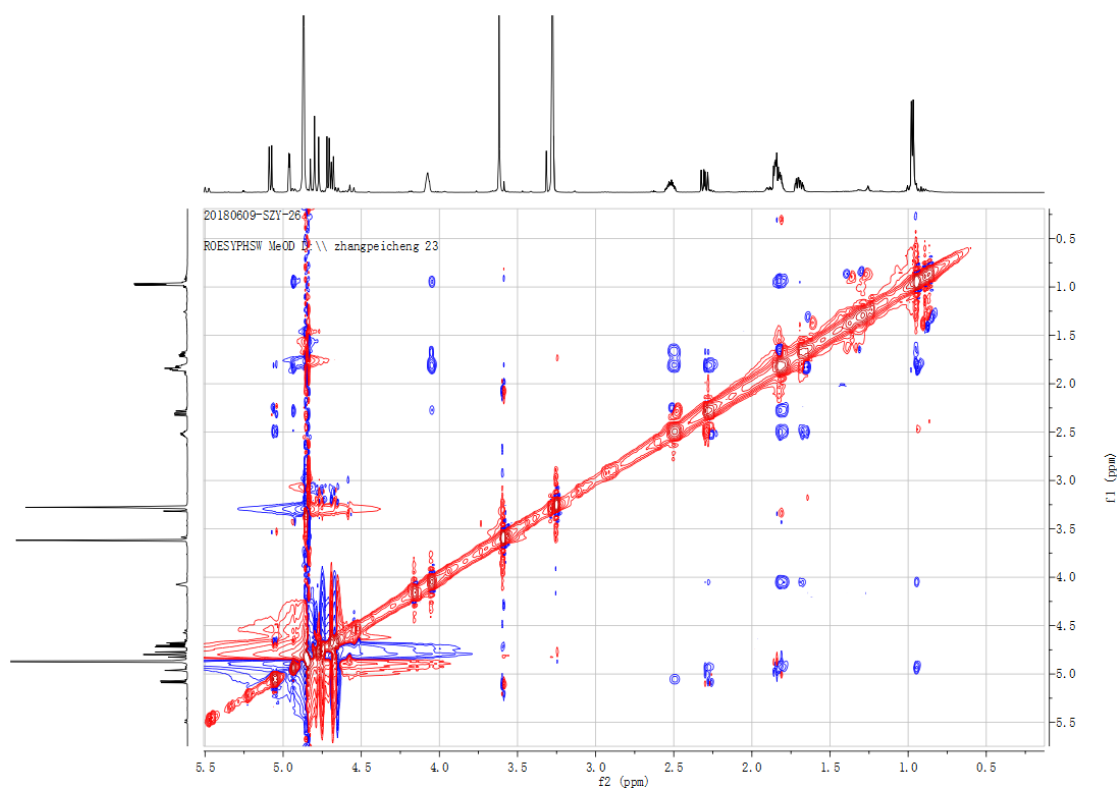
S23 HSQC spectrum of Compound **3**



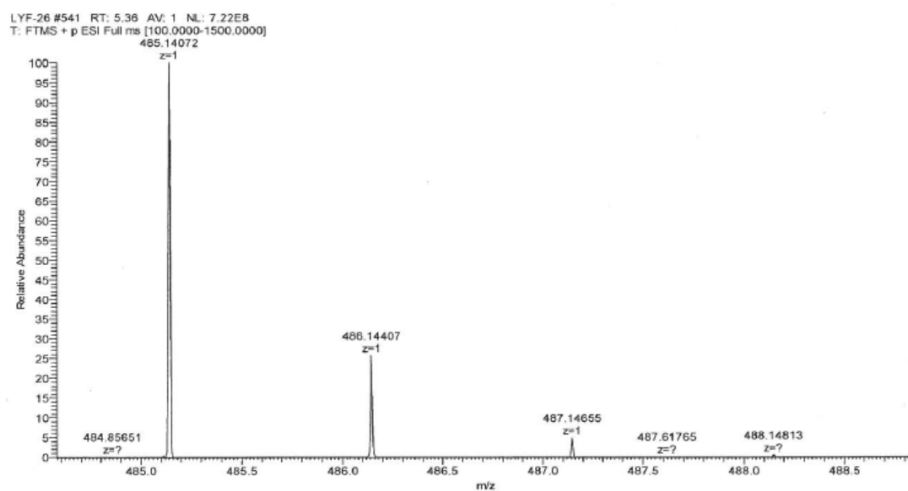
S24 ^1H - ^1H COSY spectrum of Compound **3**



S25 HMBC spectrum of Compound **3**

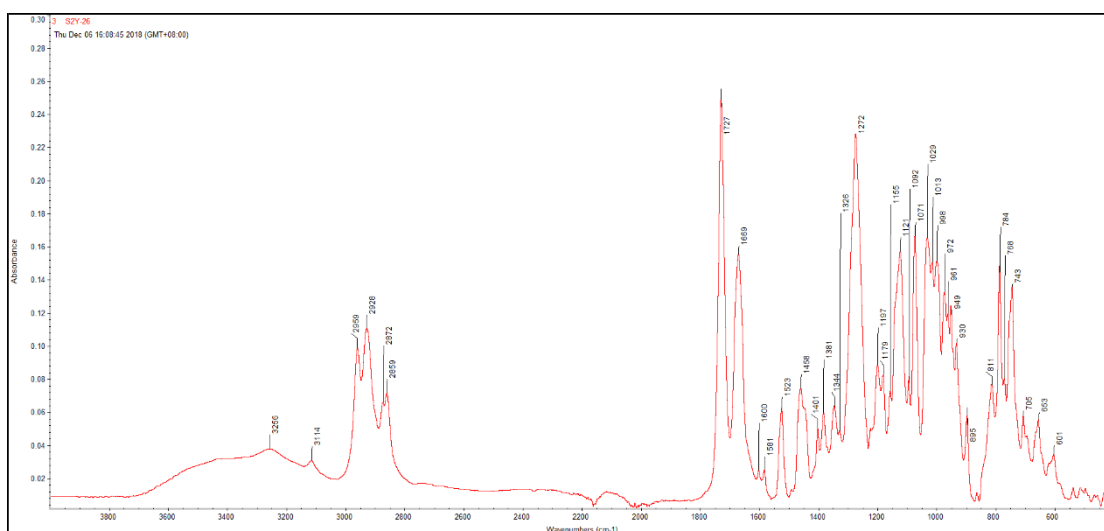


S26 NOESY spectrum of Compound **3**

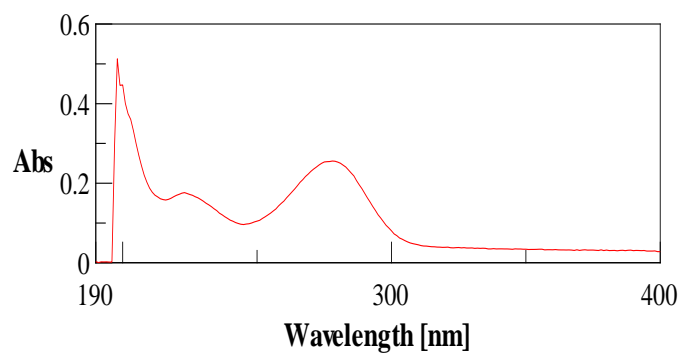


m/z	Theo. Mass	Delta (ppm)	RDB equiv.	Composition	
485.14072	485.14182	-2.26	10.5	C23 H26 O10 Na	M+Na

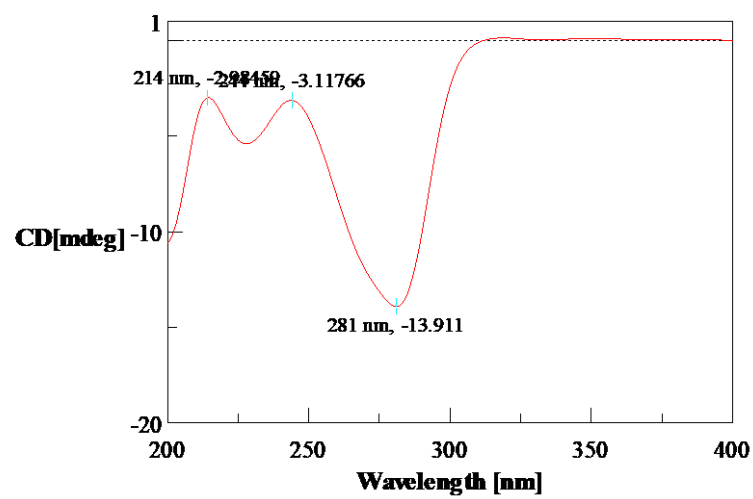
S27 HRESIMS spectrum of Compound **3**



S28 IR spectrum of Compound **3**



S29 UV spectrum of Compound **3**



S30 CD spectrum of Compound 3