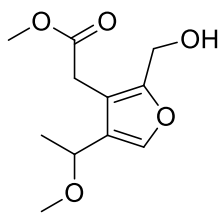# Supporting Information

Three Rare Furan Derivatives Transformed from Secoiridoids were Isolated from the Roots of *Gentiana macrophylla*

Wei Hu [1], Yihan He [1, *], Yangyang Yin [1], Ye Yang [1], Huanhuan Fu [1], Zhe Li [1] and Zhenggang Yue [1, 2, *]

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[2] *College of Life Science, Qinghai Normal University, Xining 810016, P.R. China*

Figure S1: New compound (1) search report of SciFinder

Fragmentor Voltage 75　　**Collision Energy** 0　　**Ionization Mode** Esi

- Scan (0.164 min) NEG-1.d
213.0768　　221.0788　　227.0918 (M-H)-

x10 3

Counts vs. Mass-to-Charge (m/z)
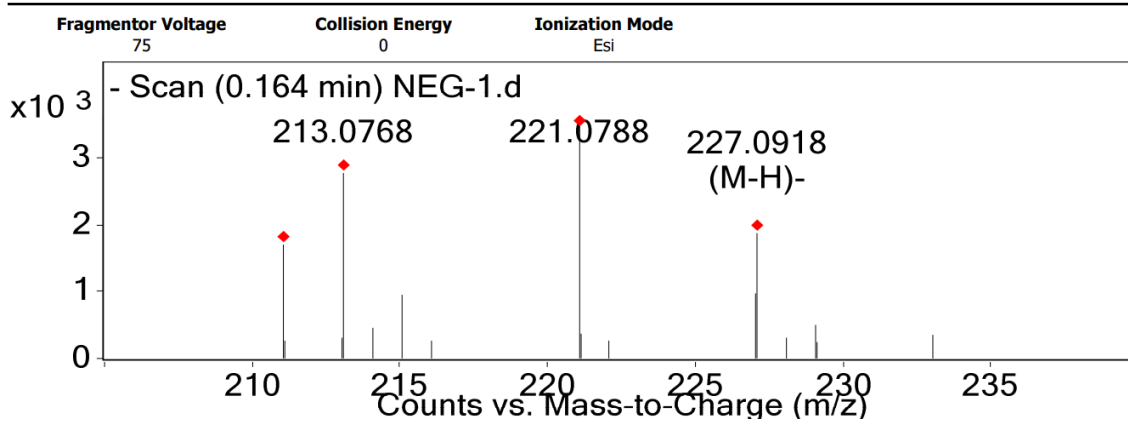
Figure S2: HR-ESI-MS spectrum of **1**

Fragmentor Voltage 75　　**Collision Energy** 10　　**Ionization Mode** Esi

- Product Ion (0.266 min) (227.1[z=1] -> **) NEG-1.d
66.2　89.0　119.0　138.3　151.1　178.8　204.7

x10 2

Counts vs. Mass-to-Charge (m/z)
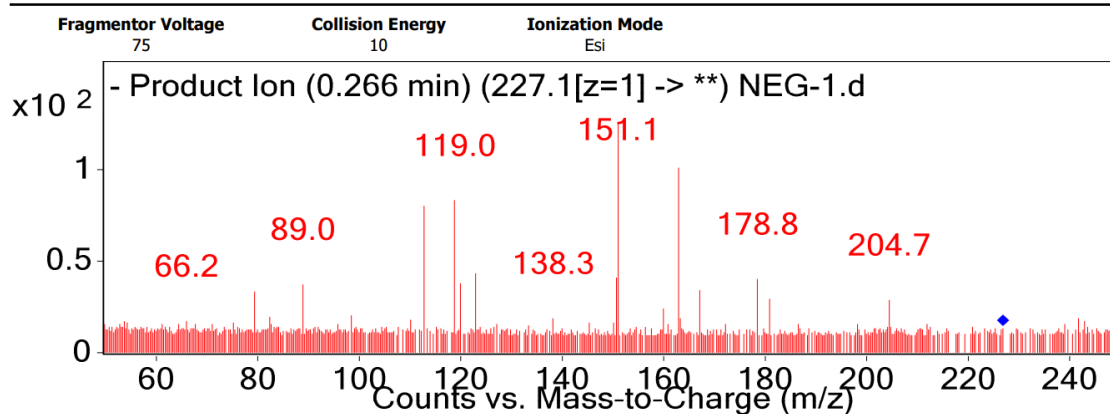
Figure S3: Low-ESI-MS spectrum of **1**
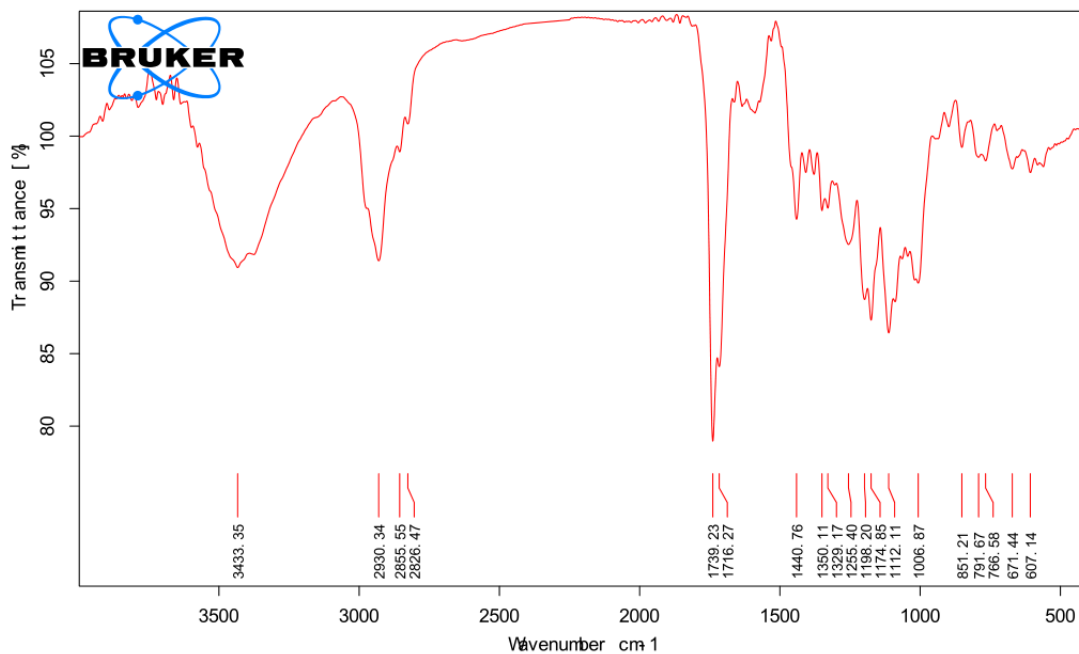
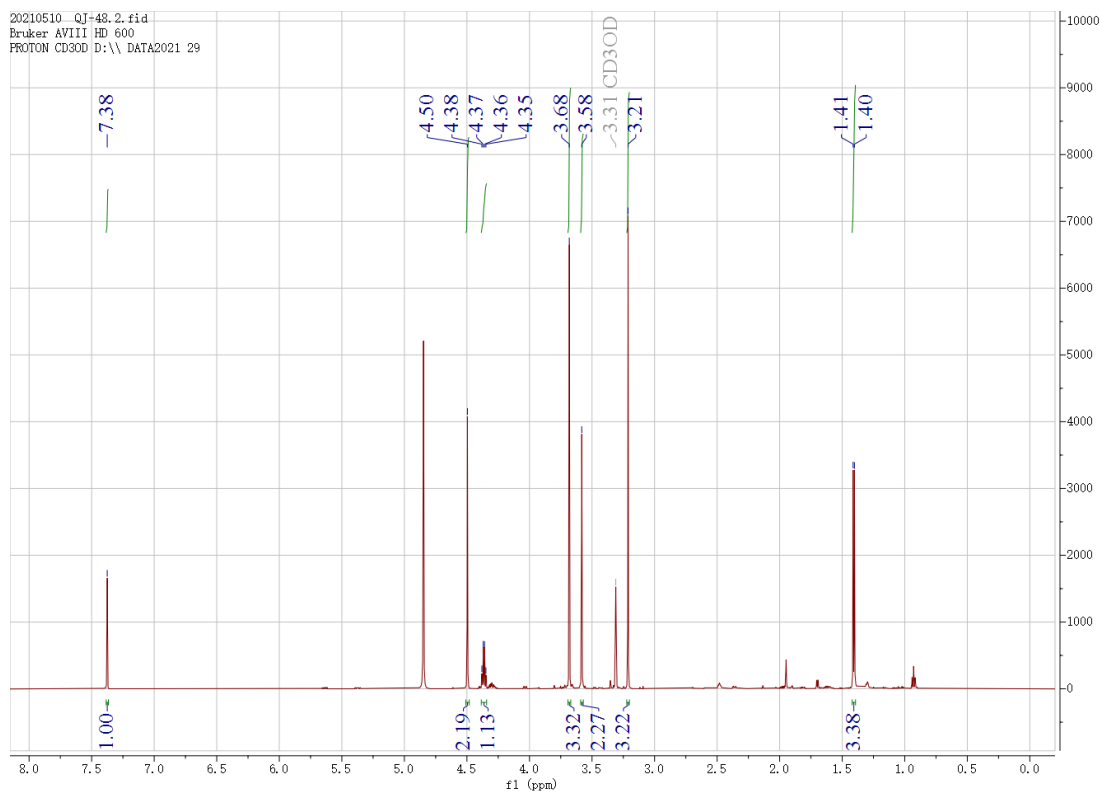**Figure S4:** IR spectrum of **1**

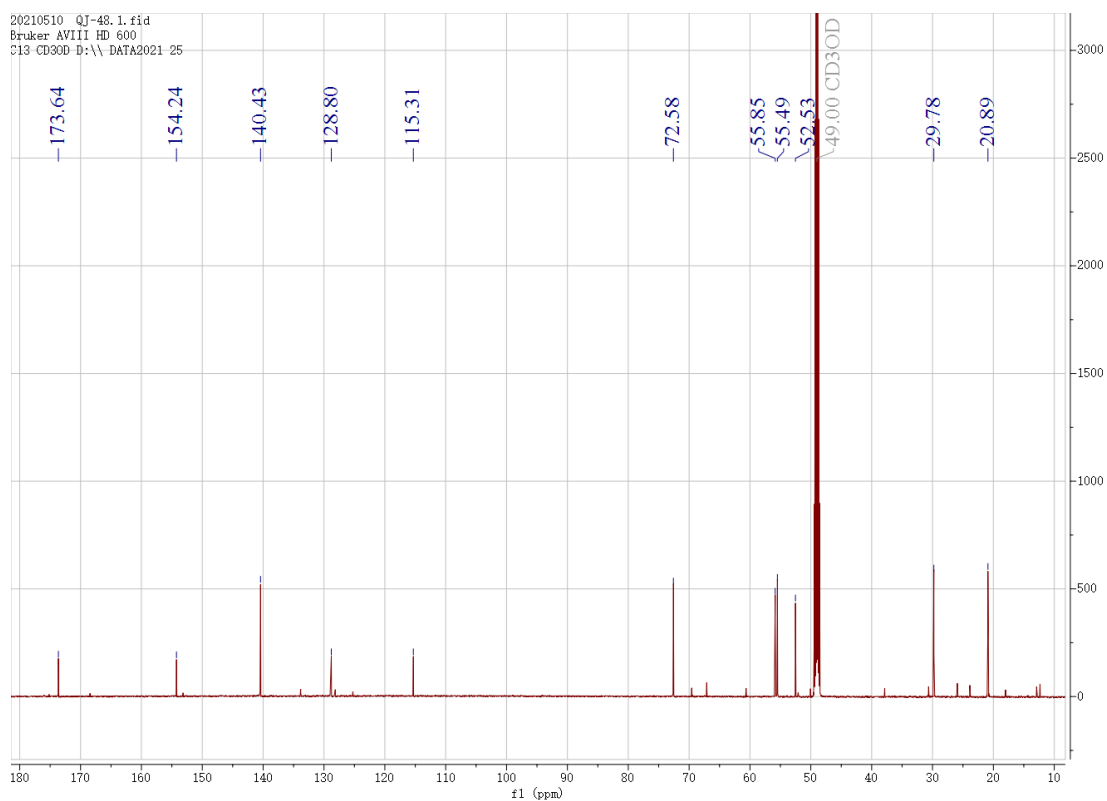**Figure S5:** ^{1}H NMR (600 MHz, CD$_3$OD) spectrum of **1**

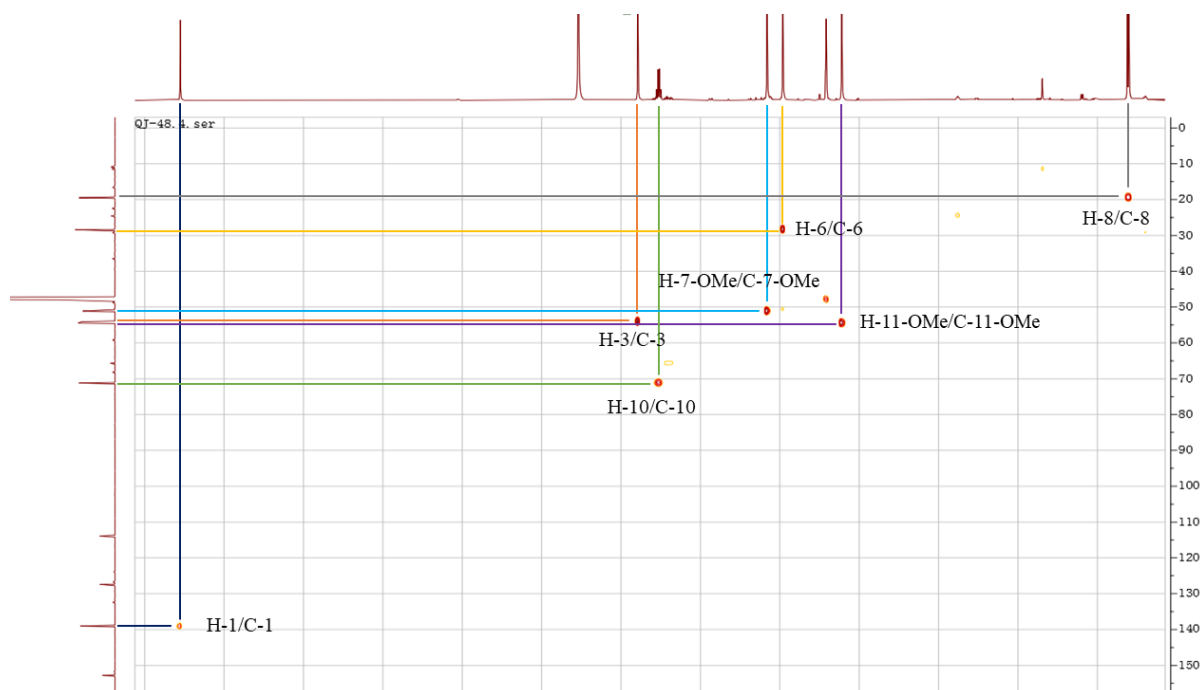**Figure S6:** ^{13}C NMR (150 MHz, CD$_3$OD) spectrum of **1**

Figure S7: HSQC spectrum of **1**
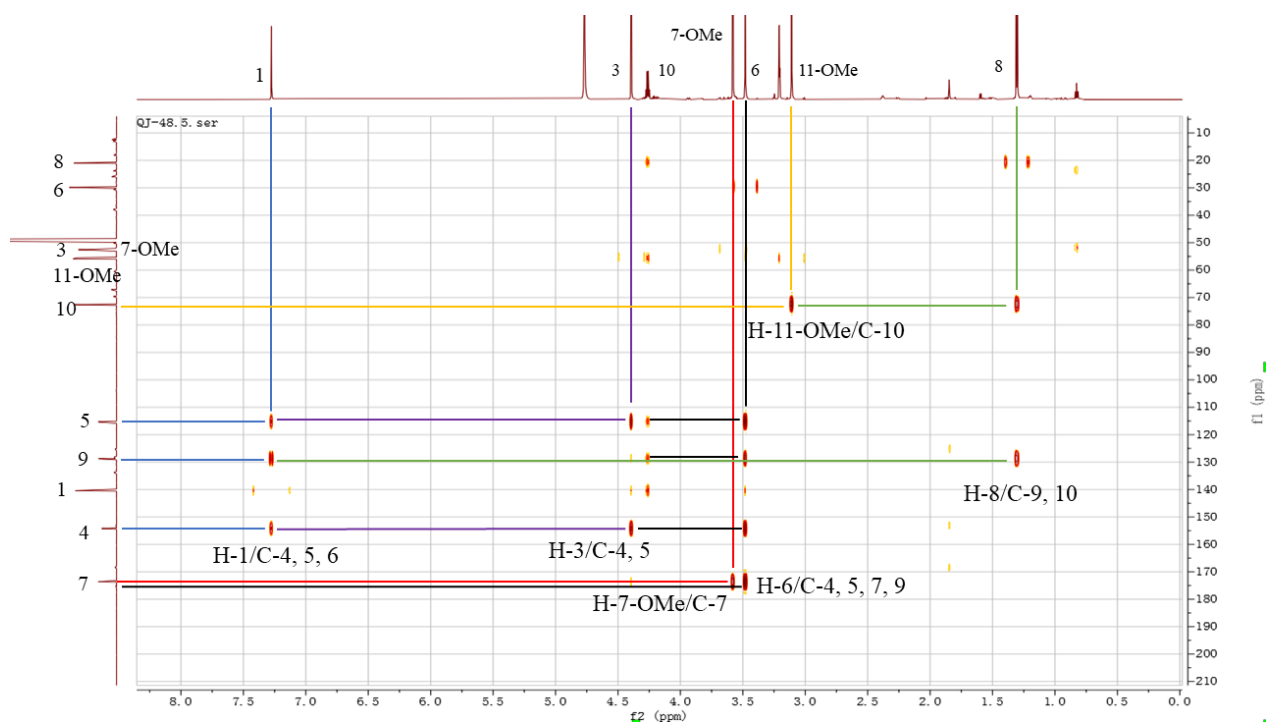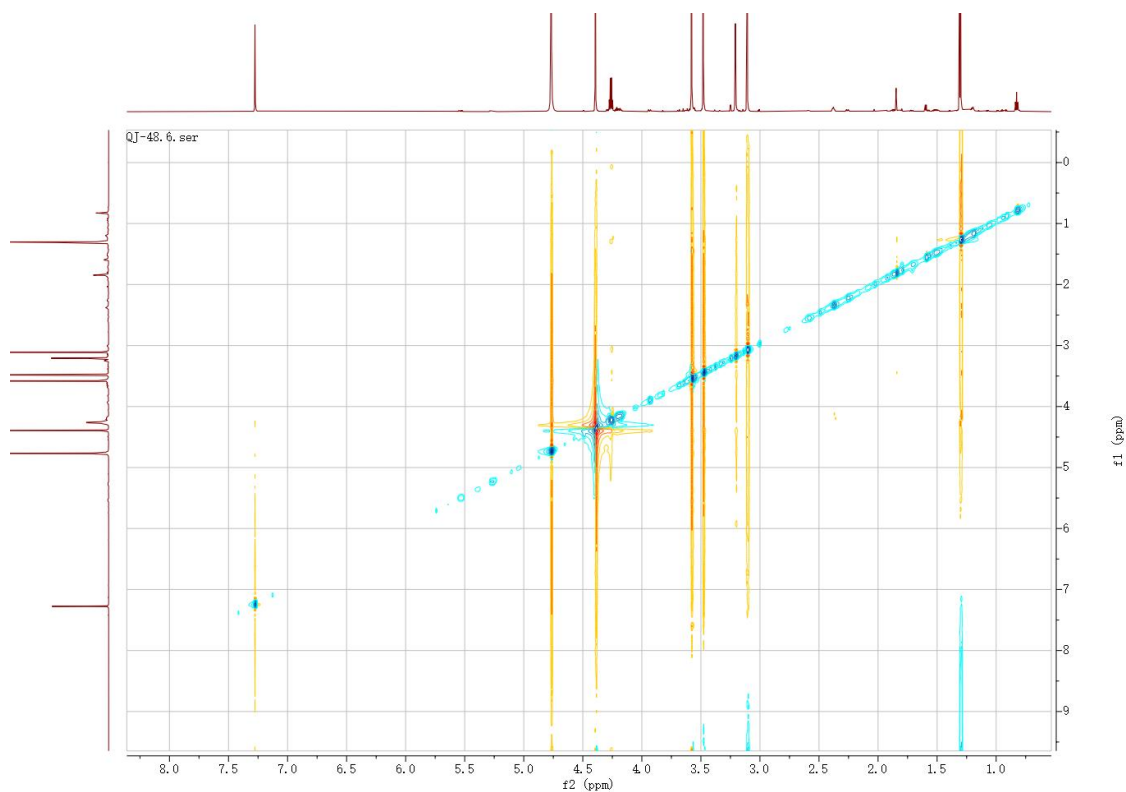
Figure S8: HMBC spectrum of **1**

Figure S9: ROESY spectrum of **1**
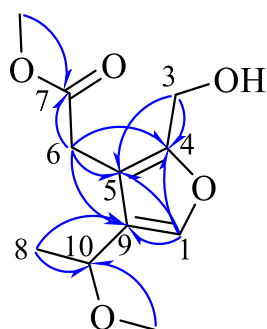
Figure S10 : All HMBC (H→C) correlations of **1**

Table S1 : HMBC data for **1**

No.	δ_C	δ_H	HMBC
1	140.4	7.38 (s)	C-9, C-5, C-4
2			
3	55.5	4.50 (s)	C-4, C-5
4	154.0		
5	115.3		
6	29.7	3.58 (s)	C-4, C-5, C-7, C-9
7	173.6		
8	20.8	1.41 (d, 6.6)	C-9, C-10
9	128.8		
10	72.5	4.38 (dd, 13.1, 6.6)	C-1, C-5, C-8, C-9
11			
7-OMe	55.8	3.21 (s)	C-10
11-OMe	52.5	3.68 (s)	C-7