Molecular Networking-Guided Annotation of Flavonoid Glycosides from *Quercus mongolica* Bee Pollen

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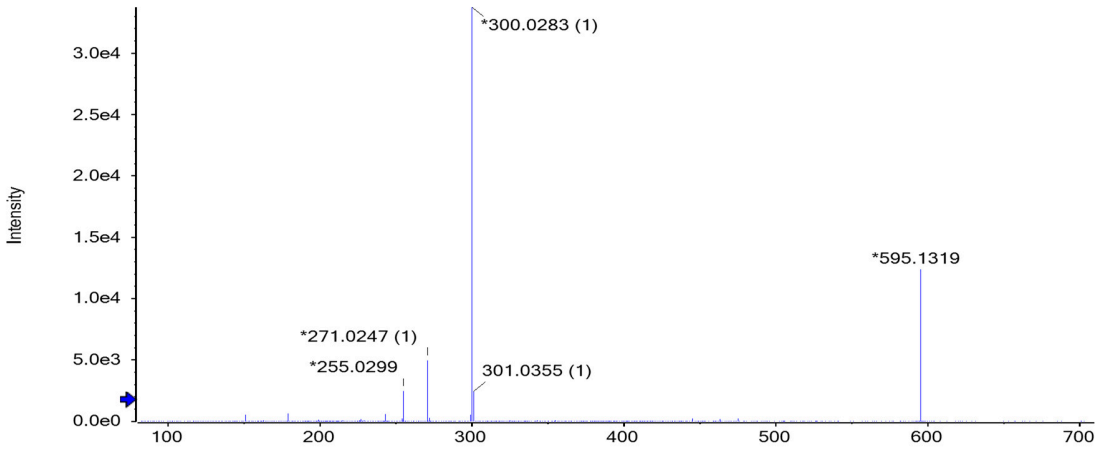
Table S1.^{1}H and ^{13}C NMR spectral data for compounds **28** and **30** (^{1}H and ^{13}C chemical shifts were recorded at 400 MHz and 100 MHz in CD_3OD)

Position	Compound **28**		Compound **30**	
	δ_H, multi (*J* in Hz)	δ_C, type	δ_H, multi (*J* in Hz)	δ_C, type
2	-	158.59, C	-	158.47, C
3	-	135.40, C	-	134.30, C
4	-	179.20, C	-	179.25, C
5	-	162.99, C	-	163.18, C
6	6.19, d (1.95)	100.33, CH	6.17,d (1.95)	99.98, CH
7	-	167.25, C	-	166.60, C
8	6.4, d (1.95)	95.14, CH	6.37, d (1.95)	94.74, CH
9	-	158.32, C	-	158.14, C
10	-	105.43, C	-	105.77, C
1'	-	123.00, C	-	123.42, C
2'	8.02, d (1.9)	114.48, CH	7.97, d (1.95)	114.51, CH
3'	-	148.42, C	-	148.39, C
4'	-	150.92, C	-	150.62, C
5'	6.91, d (8.4)	116.09, CH	6.91, d(8.4)	115.99, CH
6'	7.65, dd (1.9. 8.4)	123.76, CH	7.55, dd (1.95. 8.4)	123.49, CH
3'-OCH$_3$	3.95, s	56.91, CH_3	3.97, s	56.93, CH_3
1''	5.33, d (7.4)	103.95, CH	5.89, d (7.4)	100.19, CH
2''	3.49, m	74.78, CH	3.63, m	80.32, CH
3''	3.45, m	77.81, CH	3.58, m	78.88, CH
4''	3.36, m	71.26, CH	3.28, m	71.85, CH
5''	3.39, m	78.00, CH	3.25, m	78.44, CH
6''	3.93, dd(1.4, 11.8) 3.64, dd (5.3, 11.8)	69.33, CH_2	3.77, m 3.55, m	62.49, CH_2
1'''	4.09, d (7.2)	105.05, CH	5.18, d (1.2)	102.77, CH
2'''	3.05, dd (7.2, 8.9)	75.95, CH	3.99, m	72.33, CH
3'''	3.10, m	77.55, CH	3.75, m	72.39, CH
4'''	3.33, m	71.02, CH	3.30, m	73.97, CH
5'''	3.62, dd (5.3, 11.4) 2.90, dd(10.3, 11.4)	66.59, CH_2	4.00, m	69.88, CH
6'''	-	-	0.88, d (6.2)	17.38, CH_3



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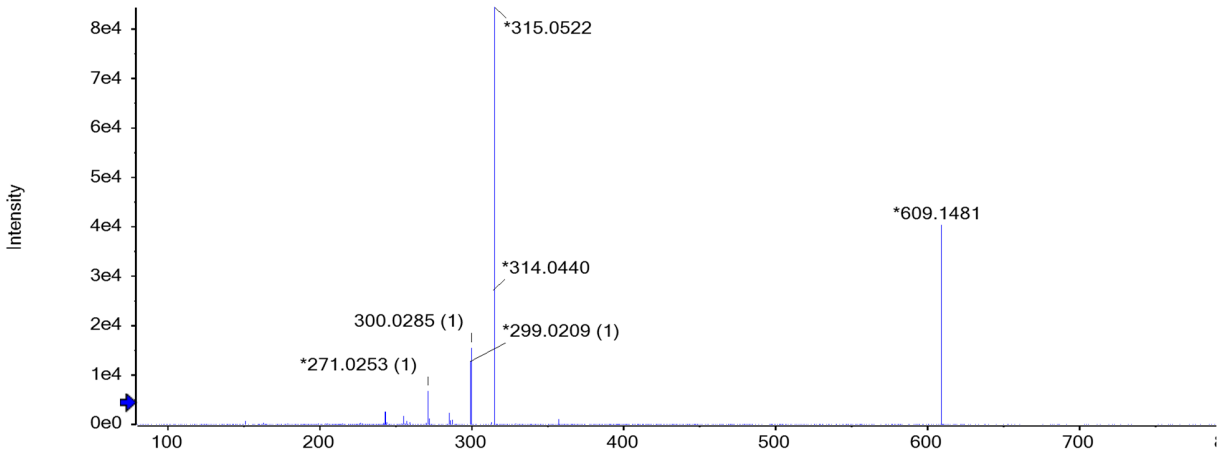

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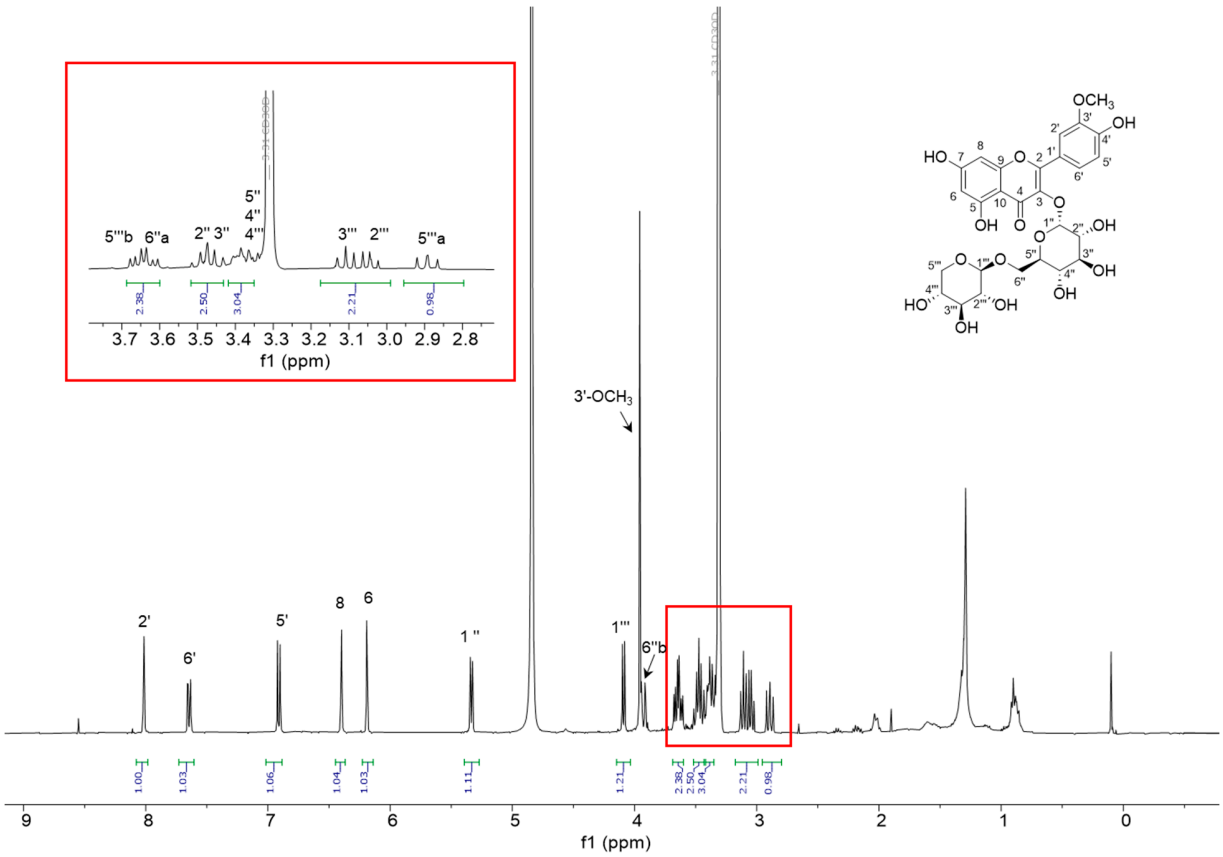


Figure S3. ^{1}H NMR spectrum (400 MHz, CD_3OD) of compound **28**

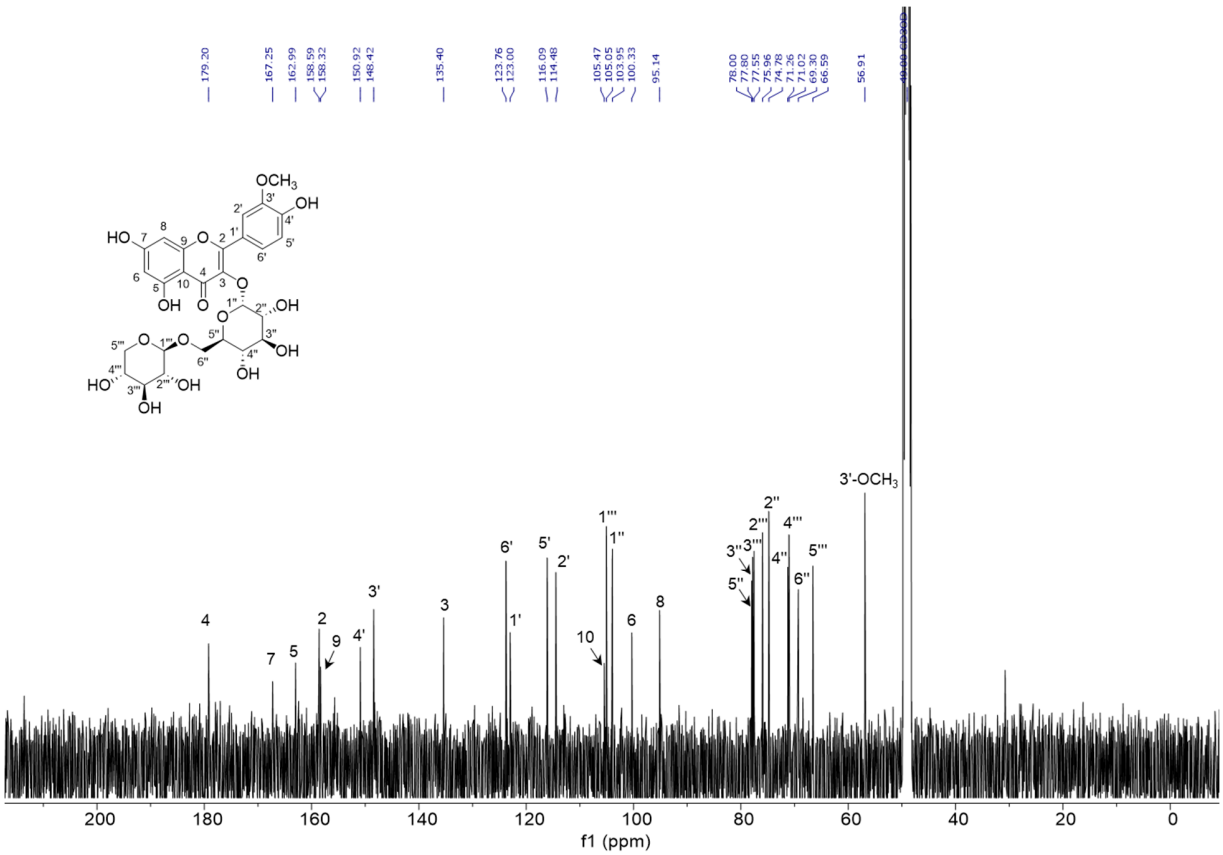


Figure S4. ^{13}C NMR spectrum (100 MHz, CD_3OD) of compound **28**

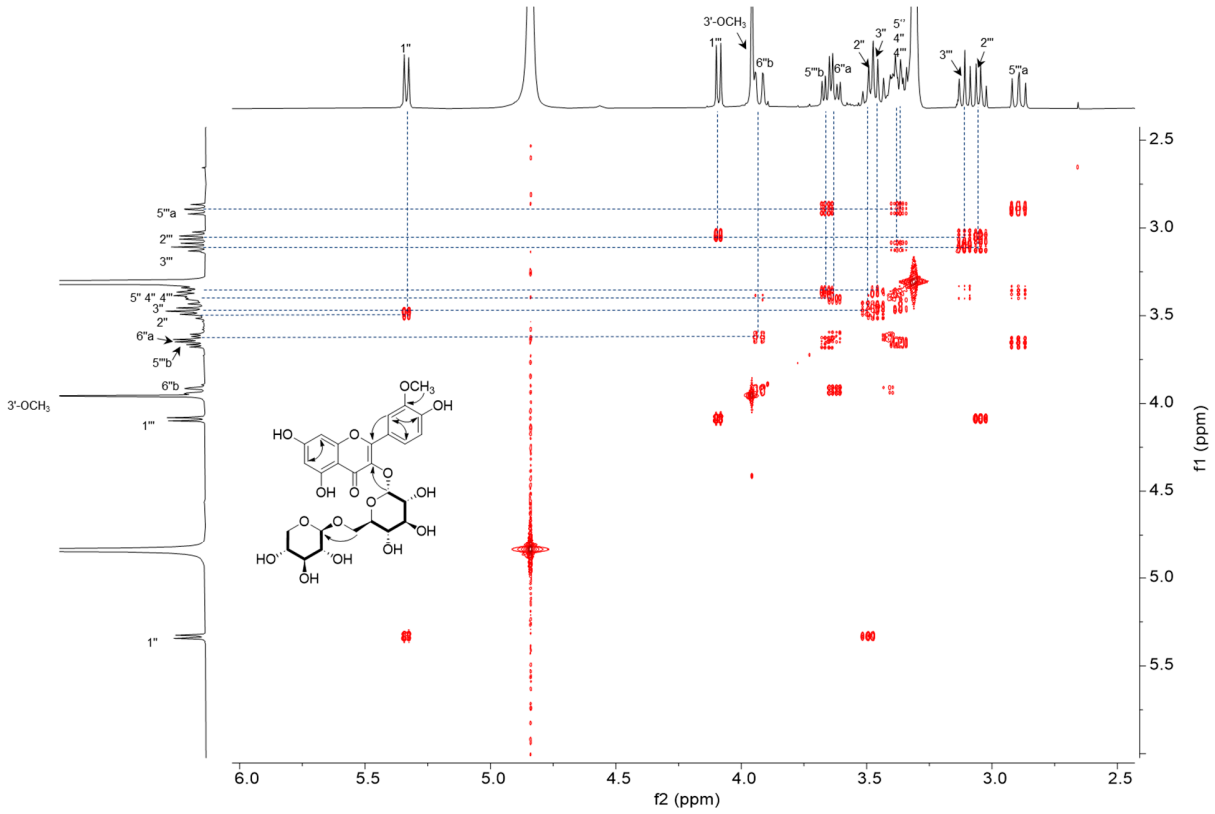


Figure S5. ^{1}H-^{1}H COSY spectrum (400MHz, CD_3OD) of compound **28**

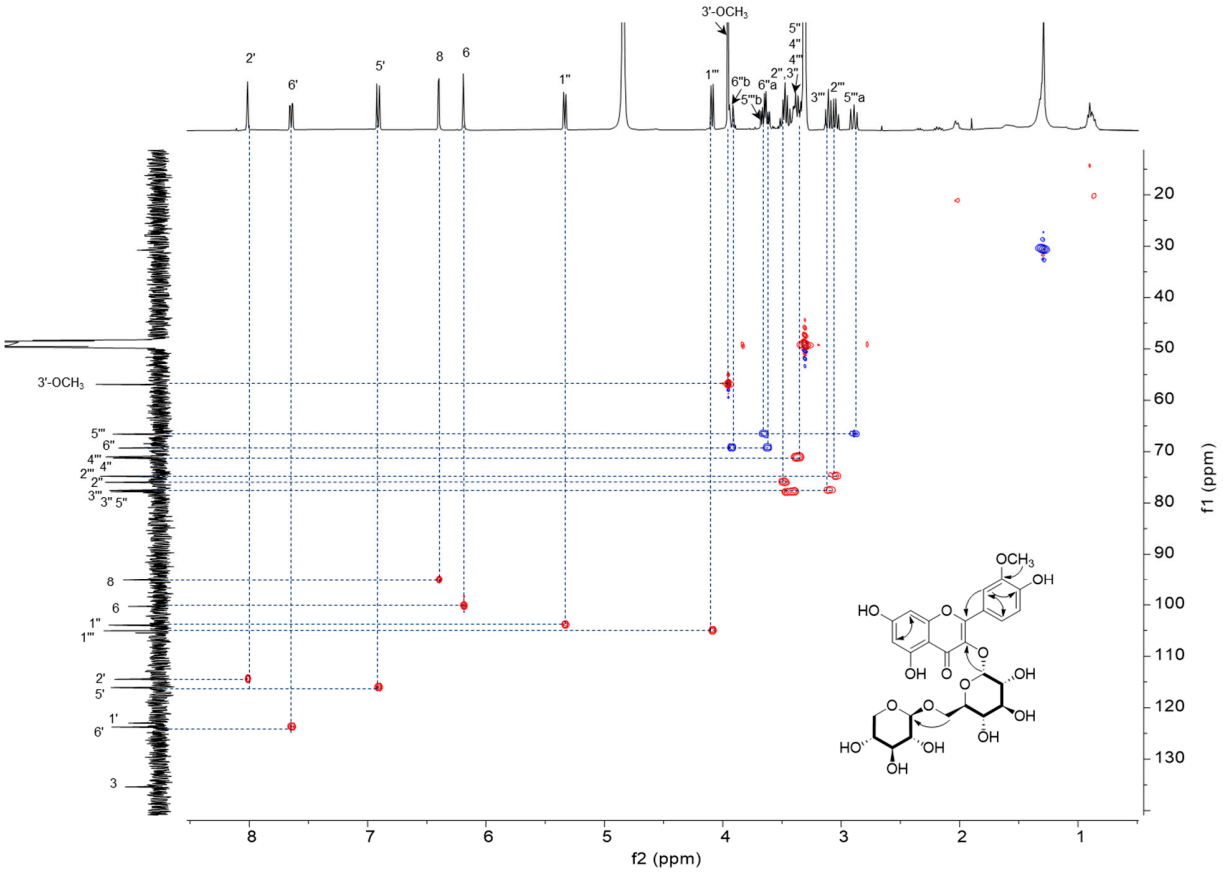


Figure S6. ^{1}H-^{13}C edited HSQC spectrum (100 MHz, CD_3OD) of compound **28**

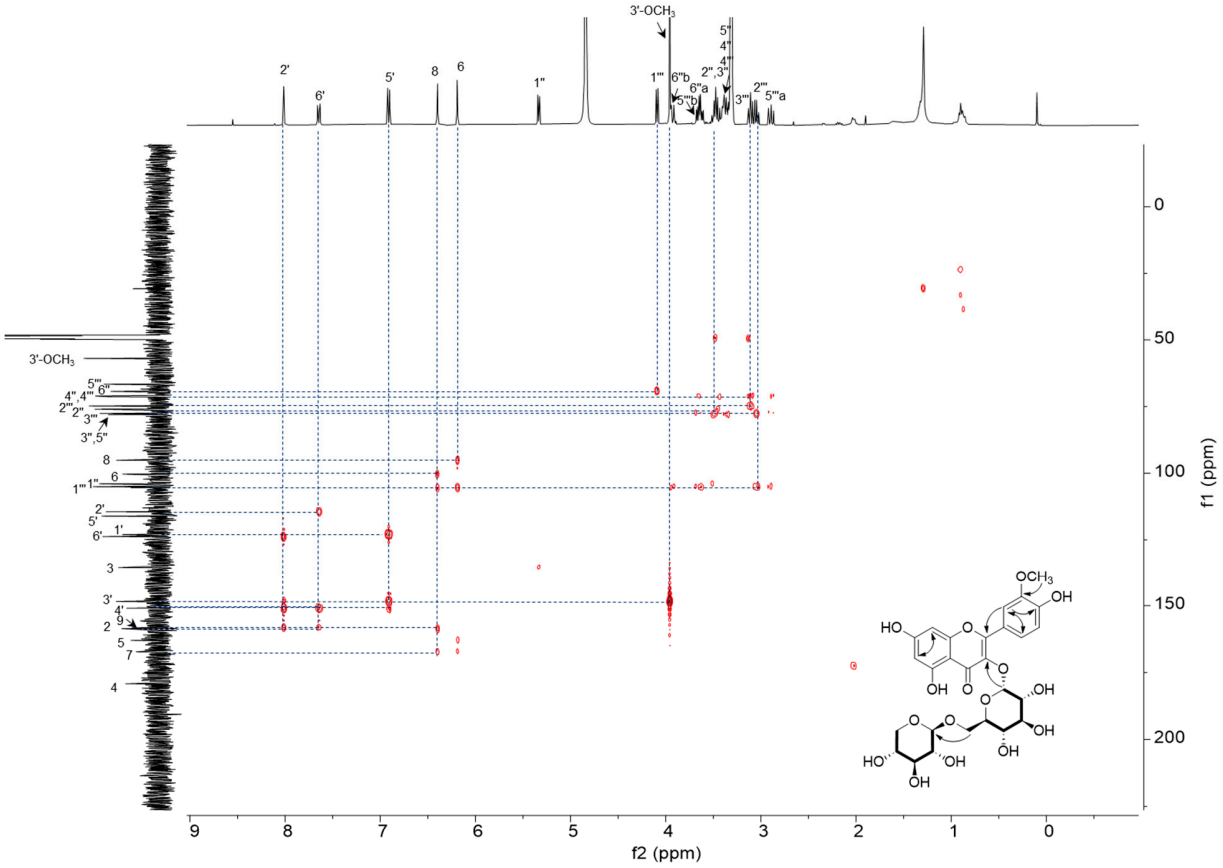
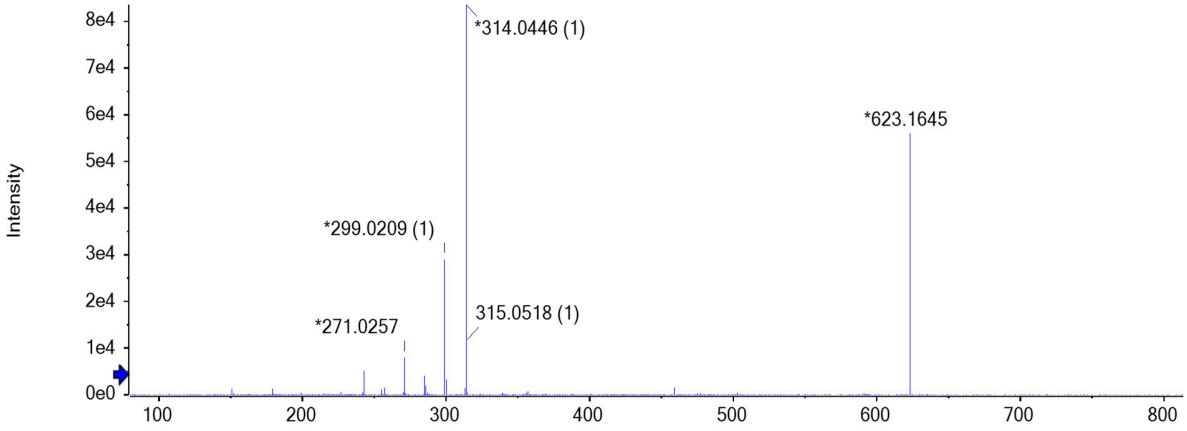


Figure S7. ^{1}H-^{13}C HMBC spectrum (100 MHz, CD_3OD) of compound **28**



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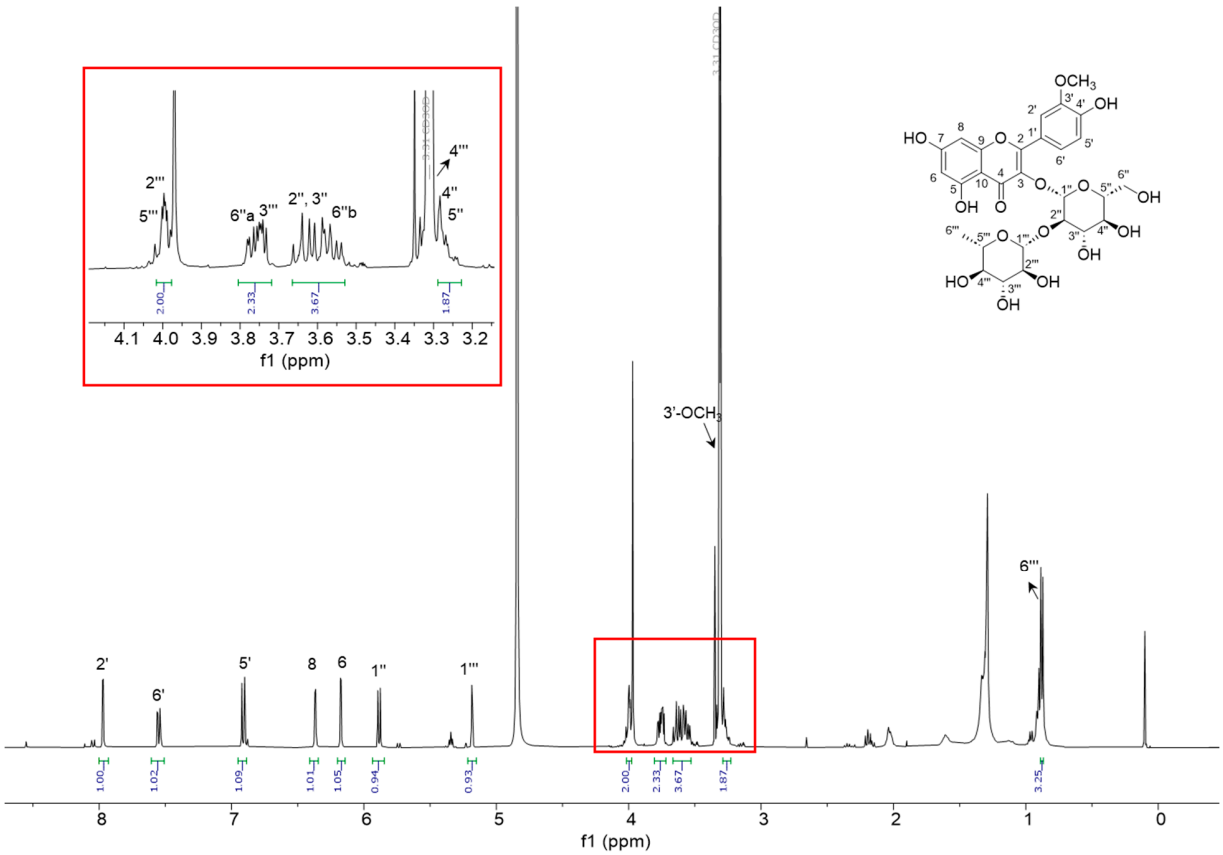

Figure S9. ^{1}H NMR spectrum (400 MHz, CD_3OD) of compound **30**

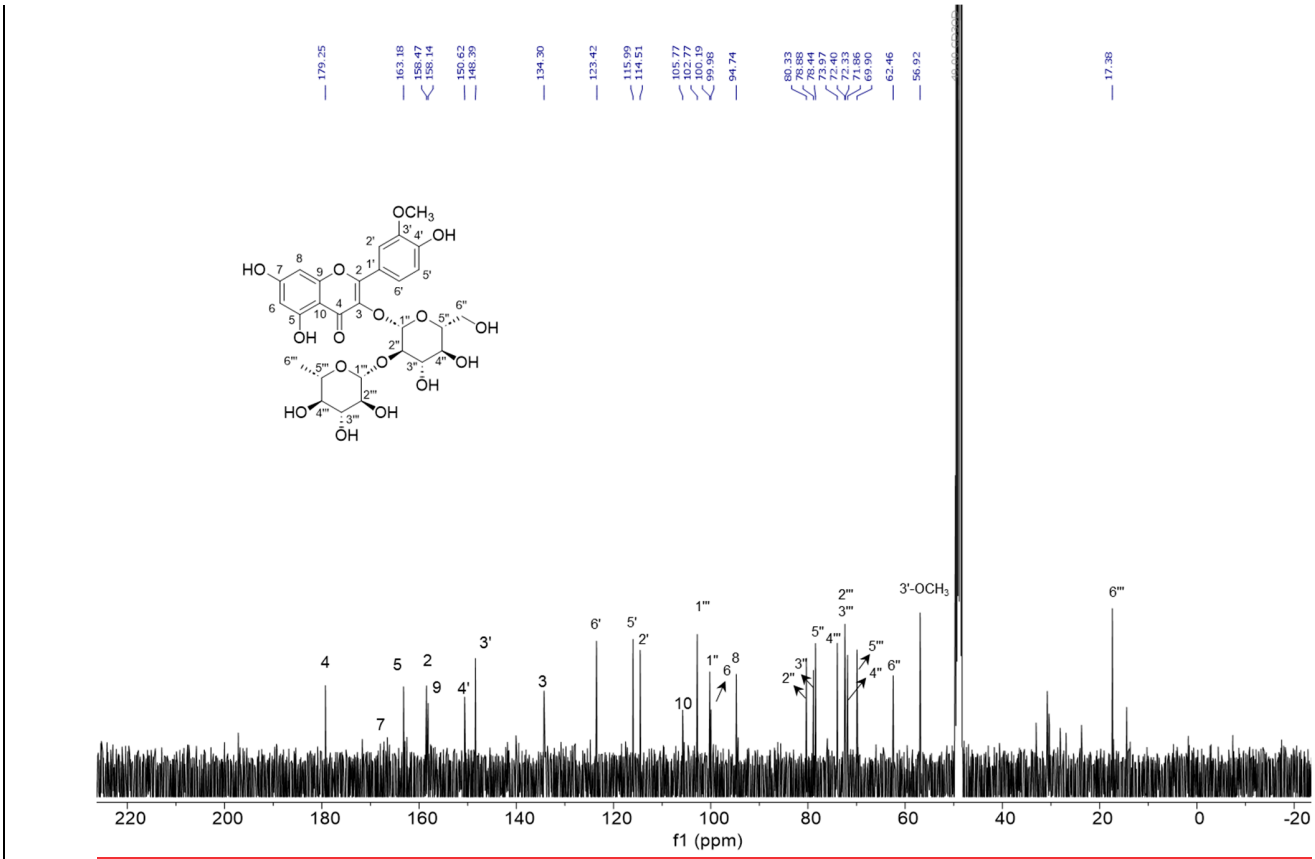

Figure S10. ^{13}C NMR spectrum (100 MHz, CD_3OD) of **30**

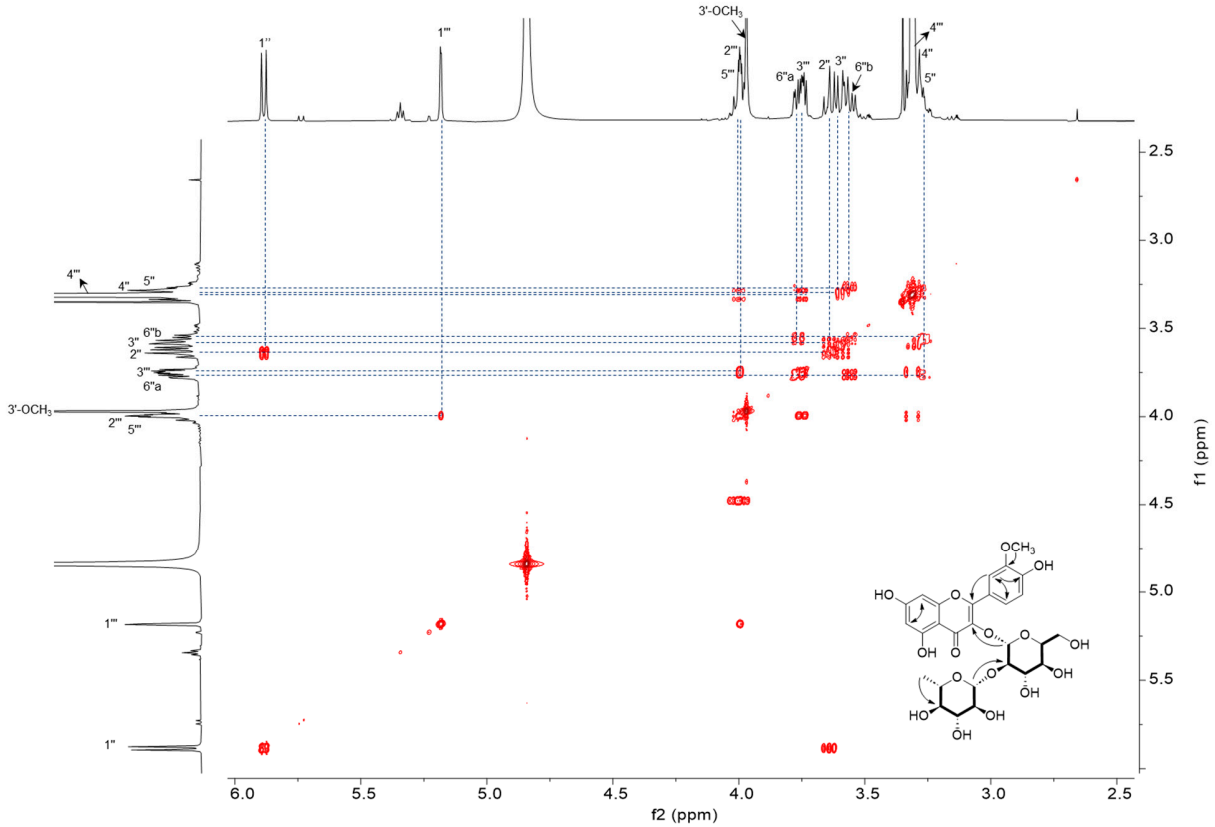

Figure S11. ^{1}H-^{1}H COSY spectrum (400 MHz, CD_3OD) of compound **30**

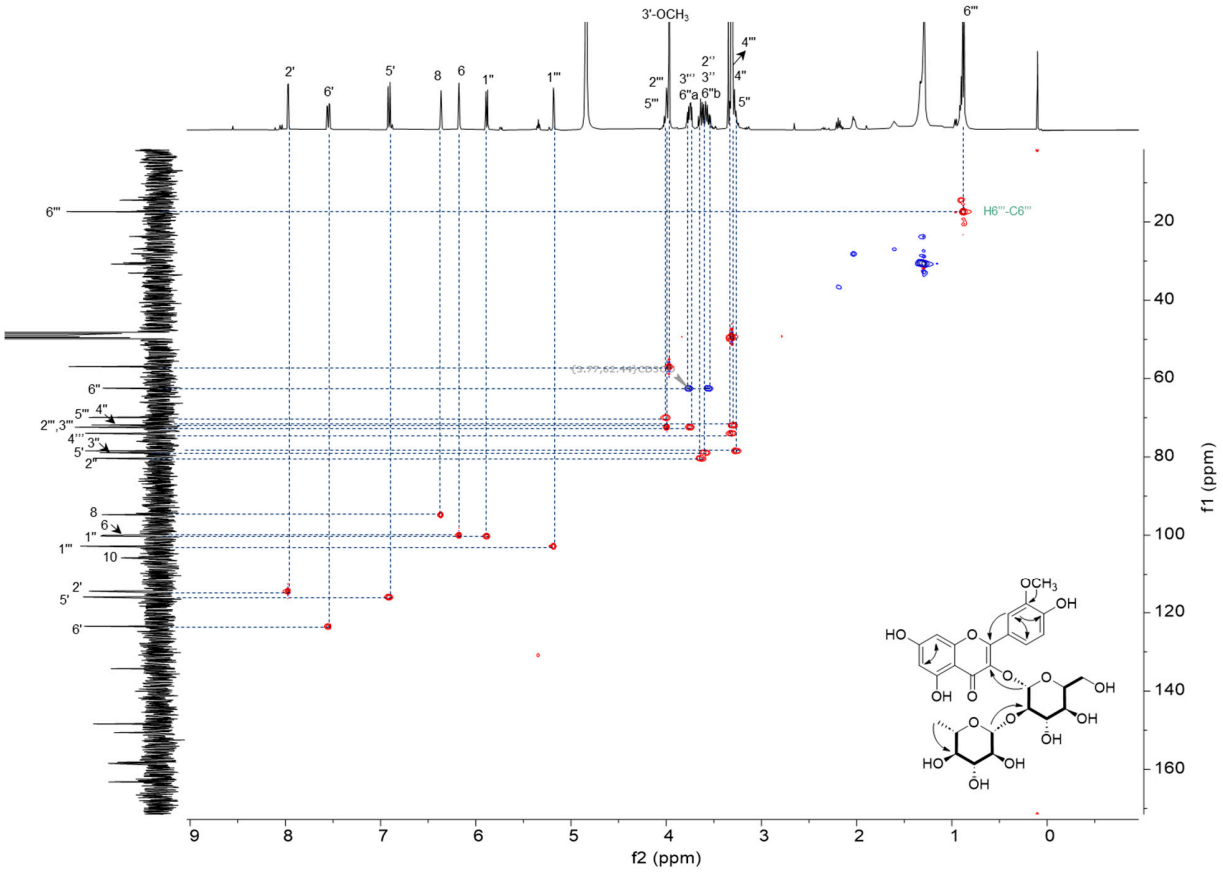

Figure S12. ^{1}H-^{13}C edited HSQC spectrum (100 MHz, CD_3OD) of compound **30**

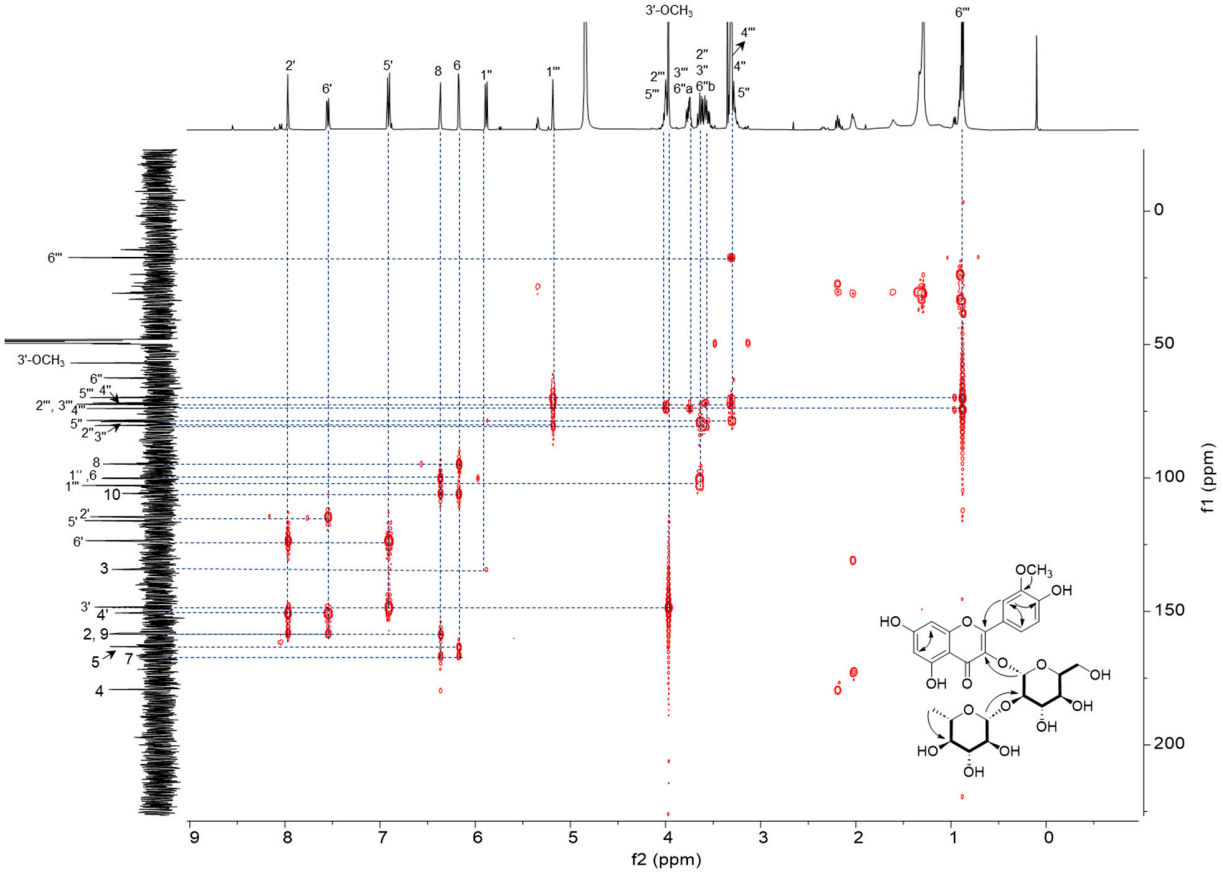

Figure S13. ^{1}H-^{13}C HMBC spectrum (100 MHz, CD_3OD) of compound **30**