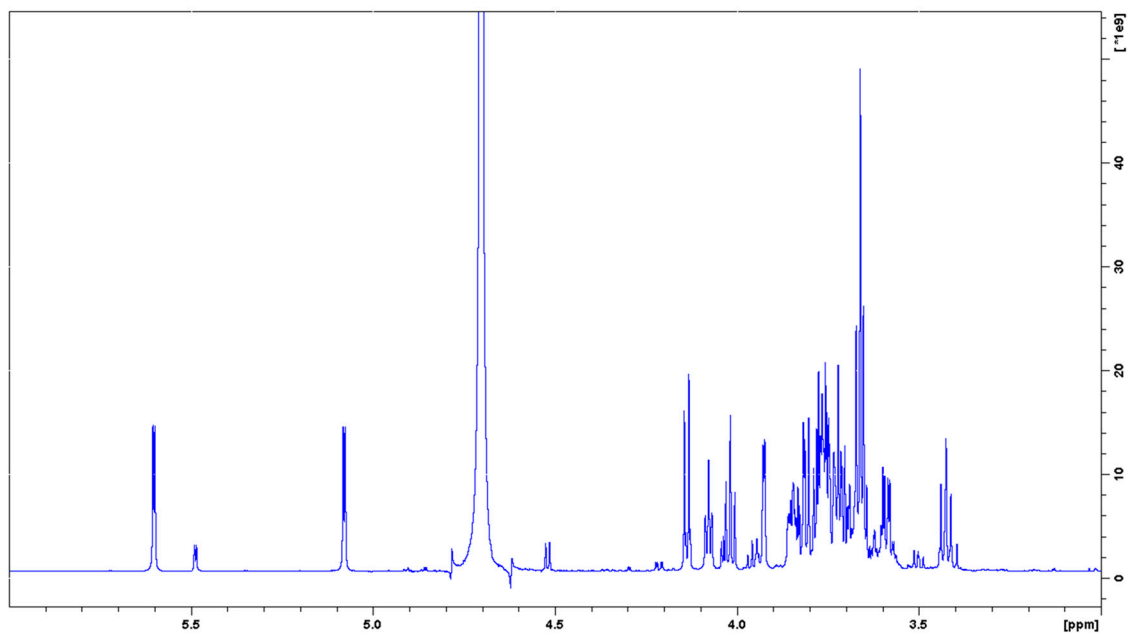
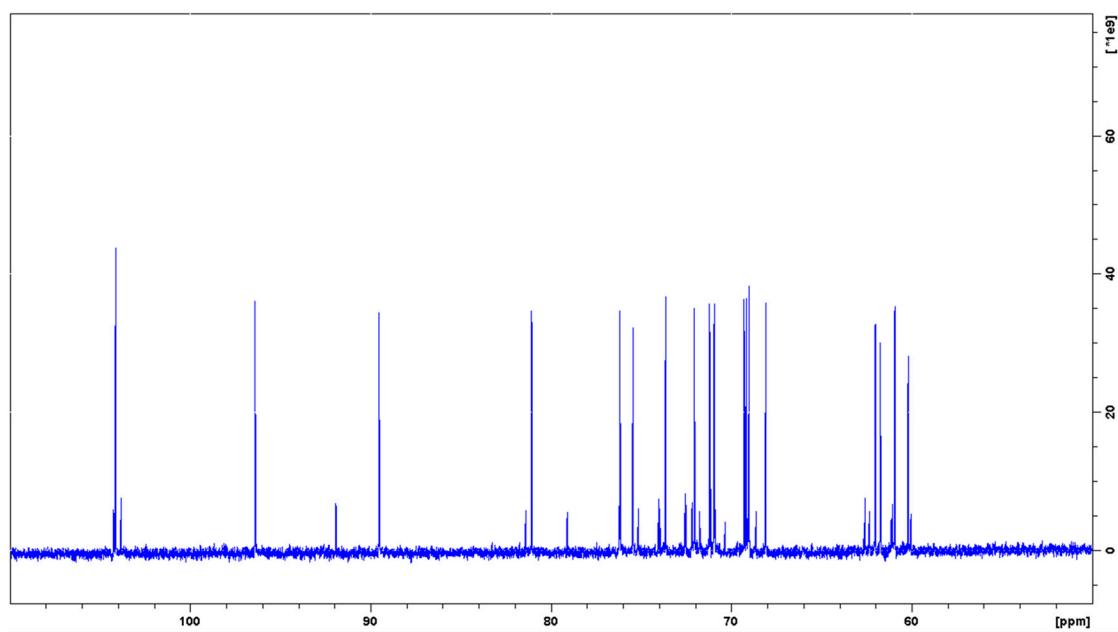


Figure S1. NMR spectrum of umbelliferose

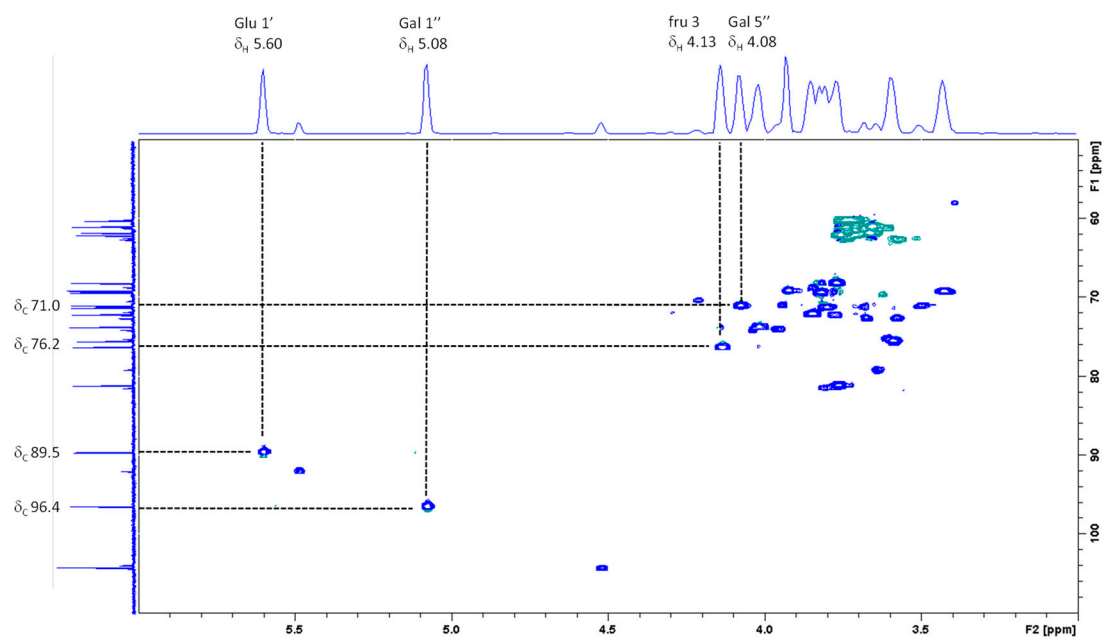
	¹ H-NMR	¹³ C-NMR	H ₂ BC	HMBC	TOCSY	¹ H- ¹ H COSY
1	δ 3.66 (<i>m</i>)	δ 61.8	-	-	-	-
2	-	δ 104.3	-	-	-	-
3	δ 4.13 (<i>d</i> , <i>J</i> = 8.6 Hz)	δ 76.2	δ 73.7	δ 61.8, 73.7	δ 3.76, 4.02	δ 4.02
4	δ 4.02 (<i>dd</i> , <i>J</i> = 8.6, 8.6 Hz)	δ 73.7	δ 76.2, 81.1	δ 62.0, 76.2, 81.0	δ 3.76	δ 3.76
5	δ 3.76 (<i>m</i>)	δ 81.1	δ 73.7	δ 73.7	-	δ 3.71, 4.02
6	δ 3.71, 3.75 (<i>m</i>)	δ 62.0	-	δ 73.7 (δ 3.71) δ 81.1 (δ 3.71)	-	-
1'	δ 5.60 (<i>d</i> , <i>J</i> = 3.6 Hz)	δ 89.5	δ 75.5	δ 71.2, 72.1, 75.5, 104.3	δ 3.43, 3.59, 3.80	δ 3.59
2'	δ 3.59 (<i>dd</i> , <i>J</i> = 3.6, 9.9 Hz)	δ 75.5	δ 71.2	δ 71.2, 96.4	δ 3.43-	-
3'	δ 3.80 (<i>m</i>)	δ 71.2	δ 75.5	δ 69.2, 75.5	δ 3.43, 3.59	δ 3.59
4'	δ 3.43 (<i>dd</i> , <i>J</i> = 9.6, 9.6 Hz)	δ 69.2	δ 72.1	δ 60.2, 71.2, 72.1	δ 3.59	δ 3.85
5'	δ 3.85(<i>m</i>)	δ 72.1	δ 69.2	-	δ 3.43, 3.59, 3.72	δ 3.43
6'	δ 3.72, 3.74 (<i>m</i>)	δ 60.2	-	δ 69.2 (δ 3.72)	δ 3.43 (δ 3.74) δ 3.59 (δ 3.74)	-
1''	δ 5.08 (<i>d</i> , <i>J</i> = 3.9 Hz)	δ 96.4	δ 68.1	δ 69.3, 71.0, 75.5	δ 3.82, 3.93	δ 3.77
2''	δ 3.77 (<i>m</i>)	δ 68.1	δ 69.3	-	-	-
3''	δ 3.82 (<i>dd</i> , <i>J</i> = 3.2, 10.5 Hz)	δ 69.3	δ 68.1	δ 68.1	-	δ 3.77
4''	δ 3.93 (<i>d</i> , <i>J</i> = 3.2 Hz)	δ 69.0	-	δ 68.1, 69.3	δ 3.82	-
5''	δ 4.08 (<i>t</i> , <i>J</i> = 6.3 Hz)	δ 71.0	δ 61.0	δ 61.0, 69.0, 96.4	δ 3.65	δ 3.65
6''	δ 3.65 (<i>m</i>)	δ 61.0	δ 71.0	δ 69.0, 71.0	-	δ 4.08



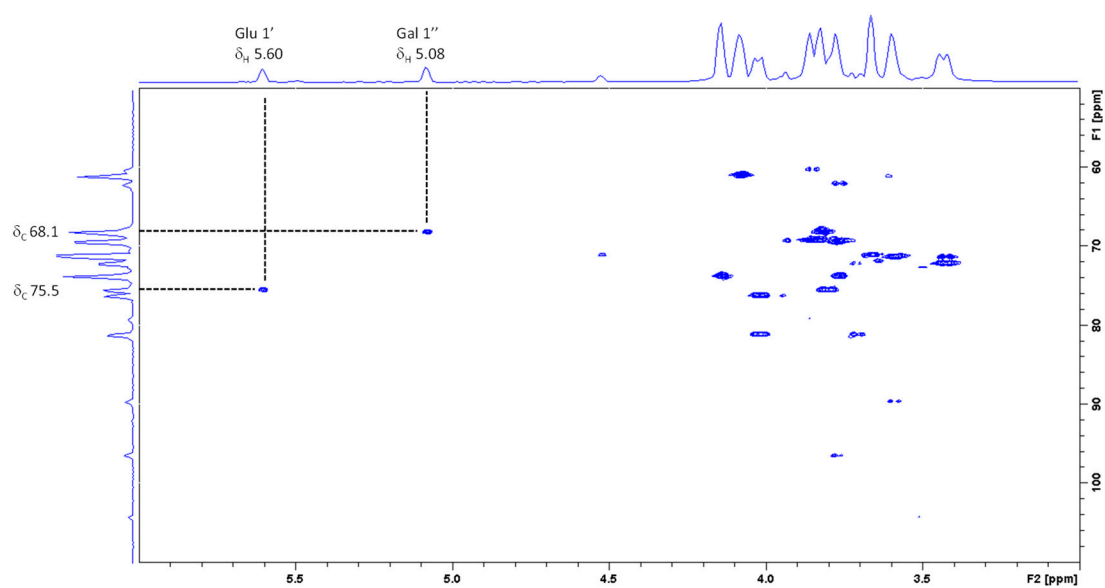
^1H -NMR spectrum (700 MHz, D₂O) of umbelliferose



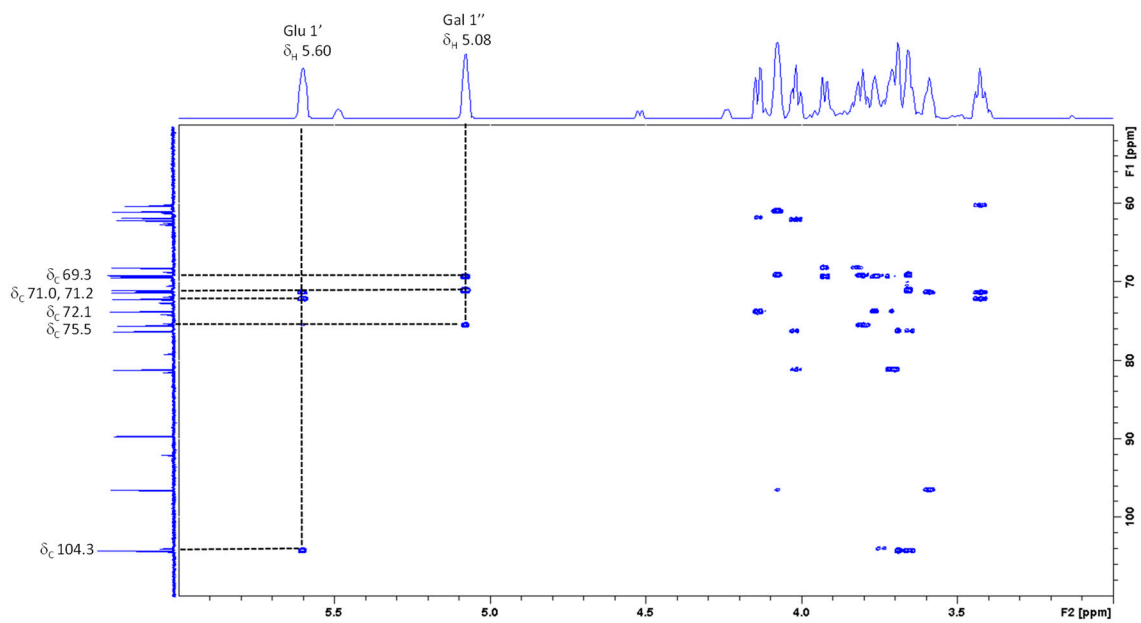
^{13}C -NMR spectrum (175 MHz, D₂O) of umbelliferose



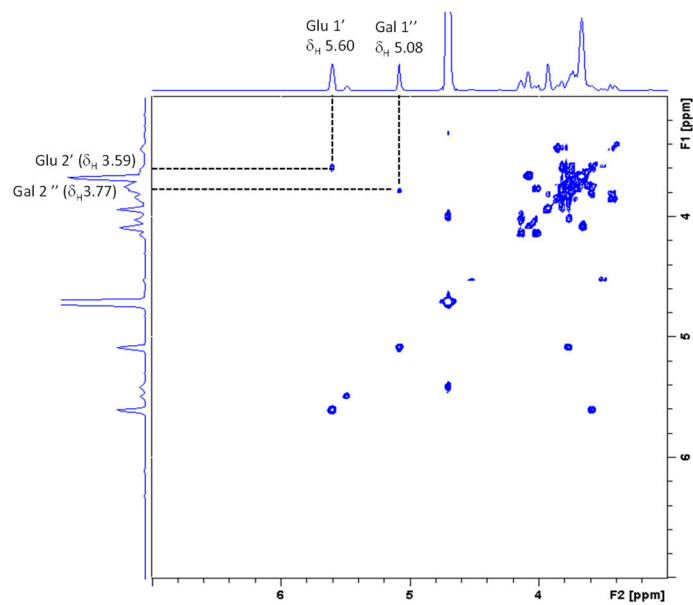
HSQC spectrum (700 MHz, D₂O) of umbelliferose



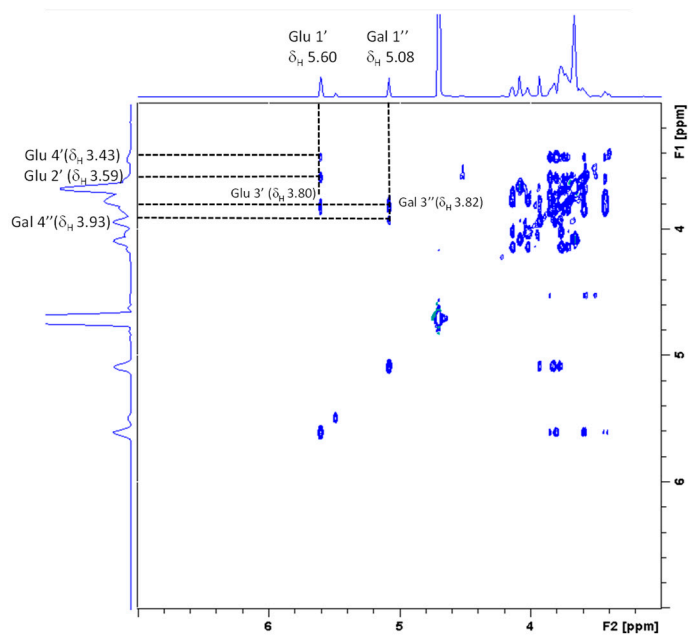
H₂BC spectrum (700 MHz, D₂O) of umbelliferose



HMBC spectrum (700 MHz, D₂O) of umbelliferose



¹H-¹H NMR COSY spectrum (700 MHz, D₂O) of umbelliferose



TOCSY spectrum (700 MHz, D₂O) of umbelliferose