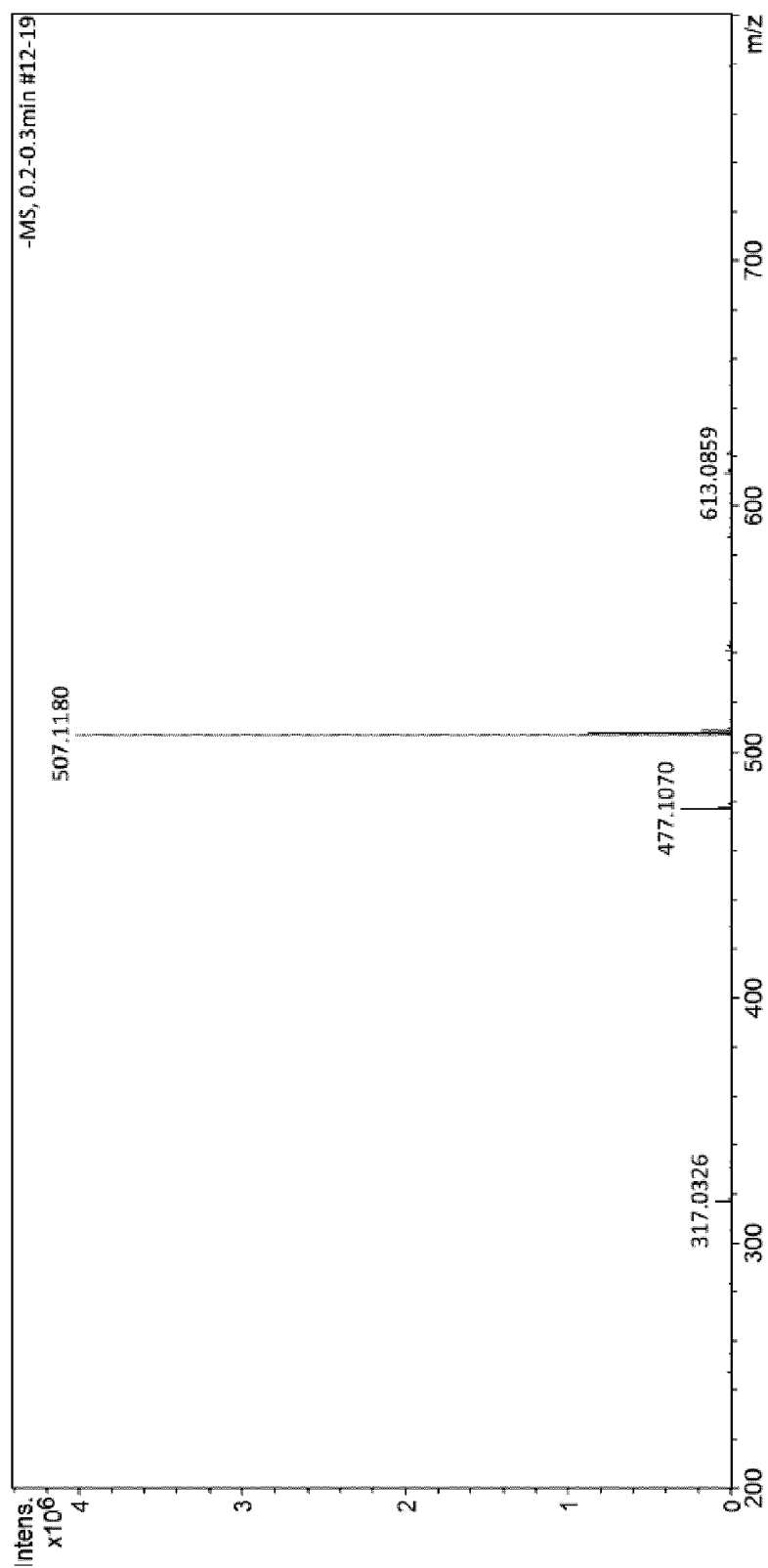
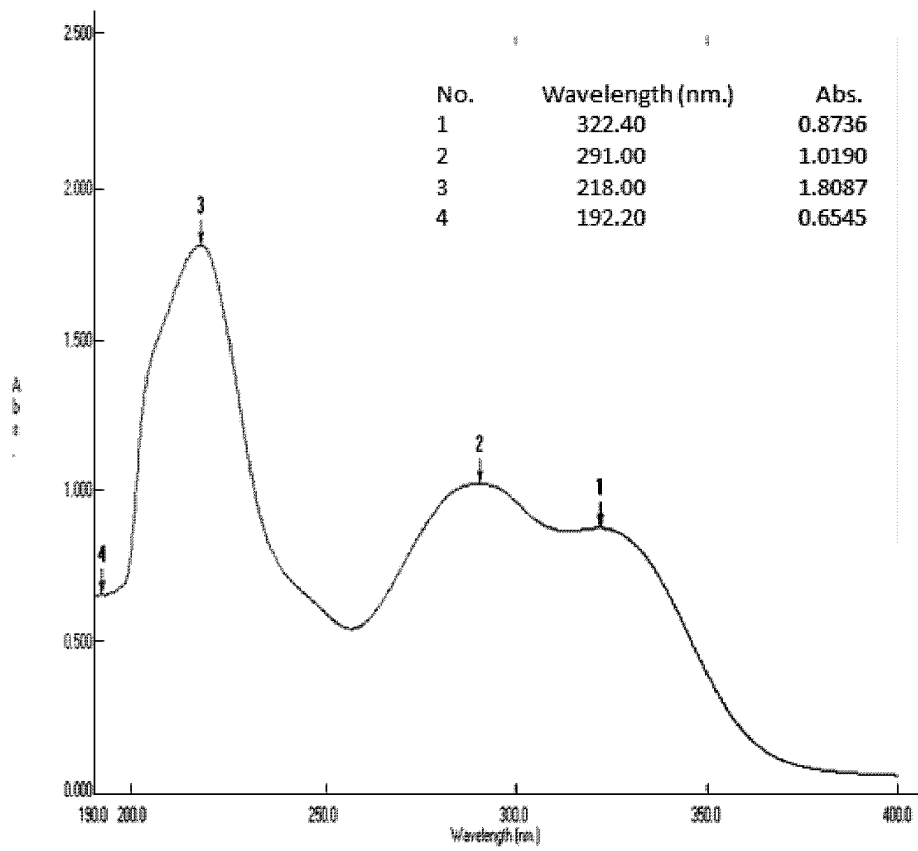


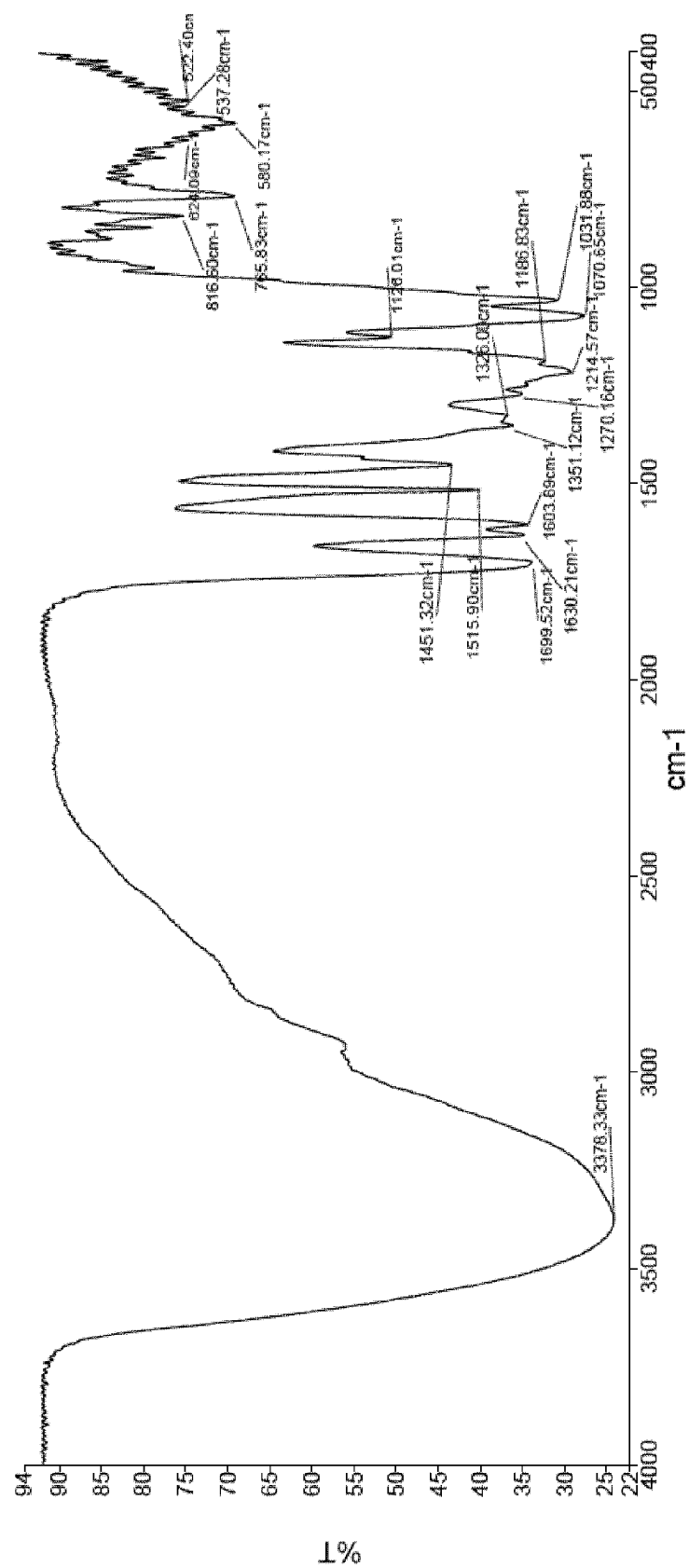
[図1]



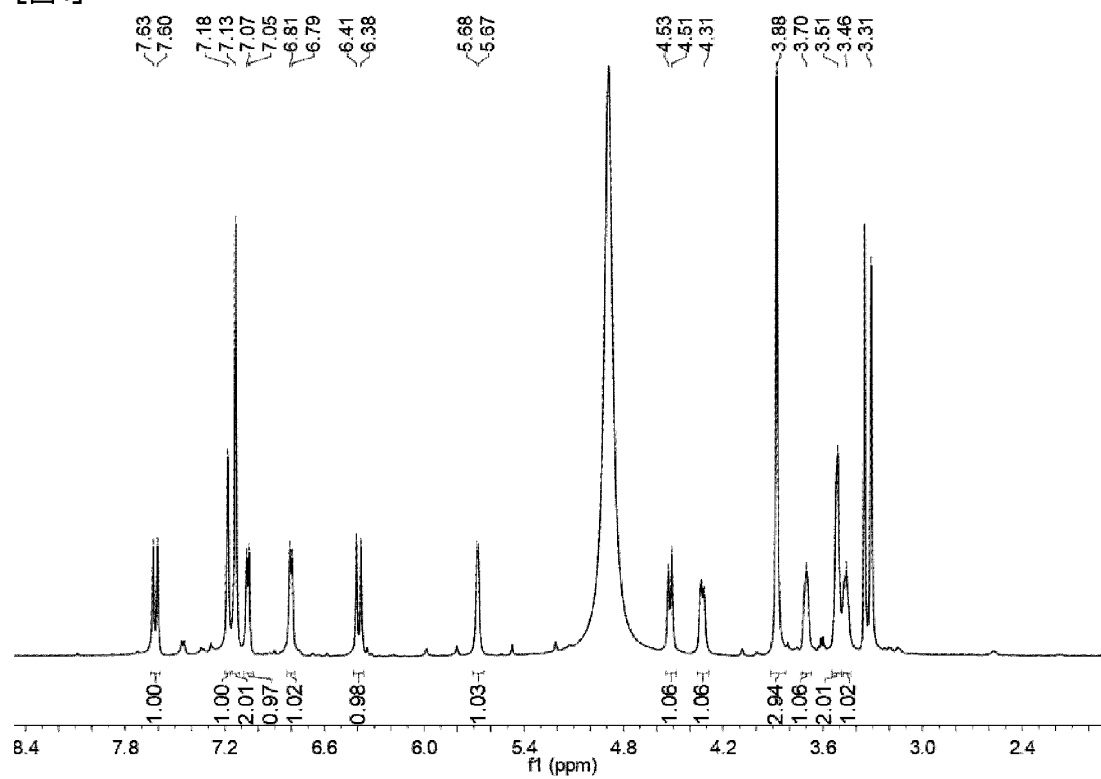
[図2]



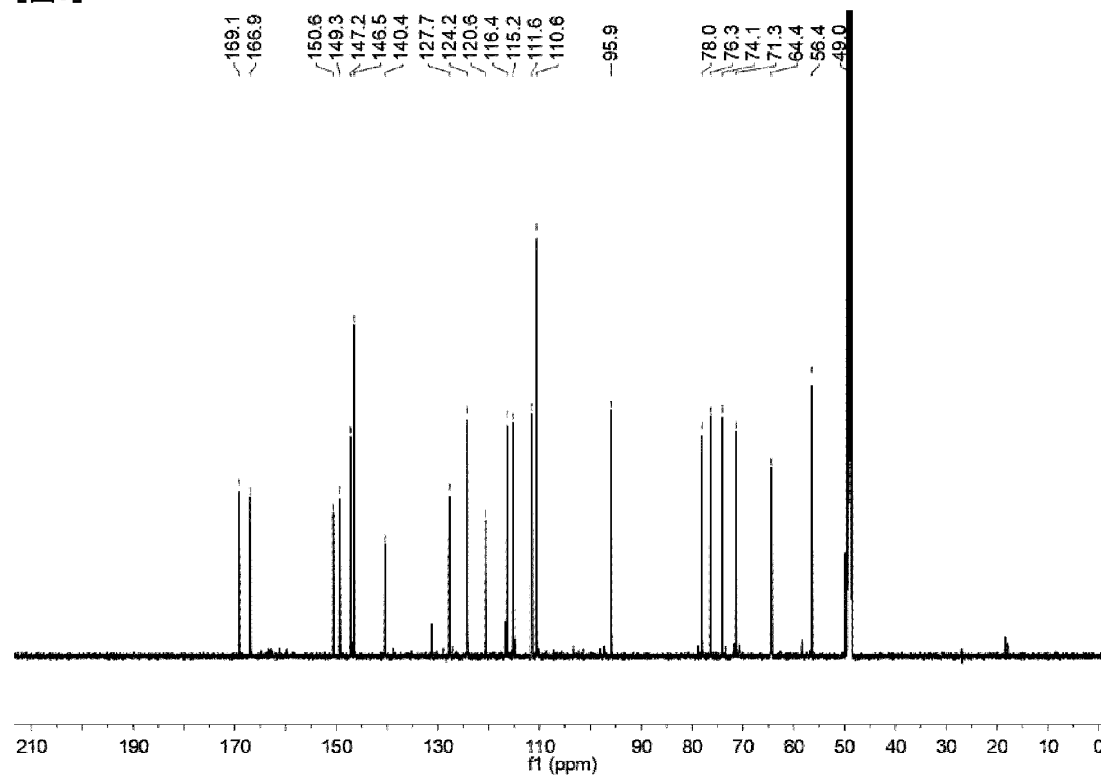
[図3]



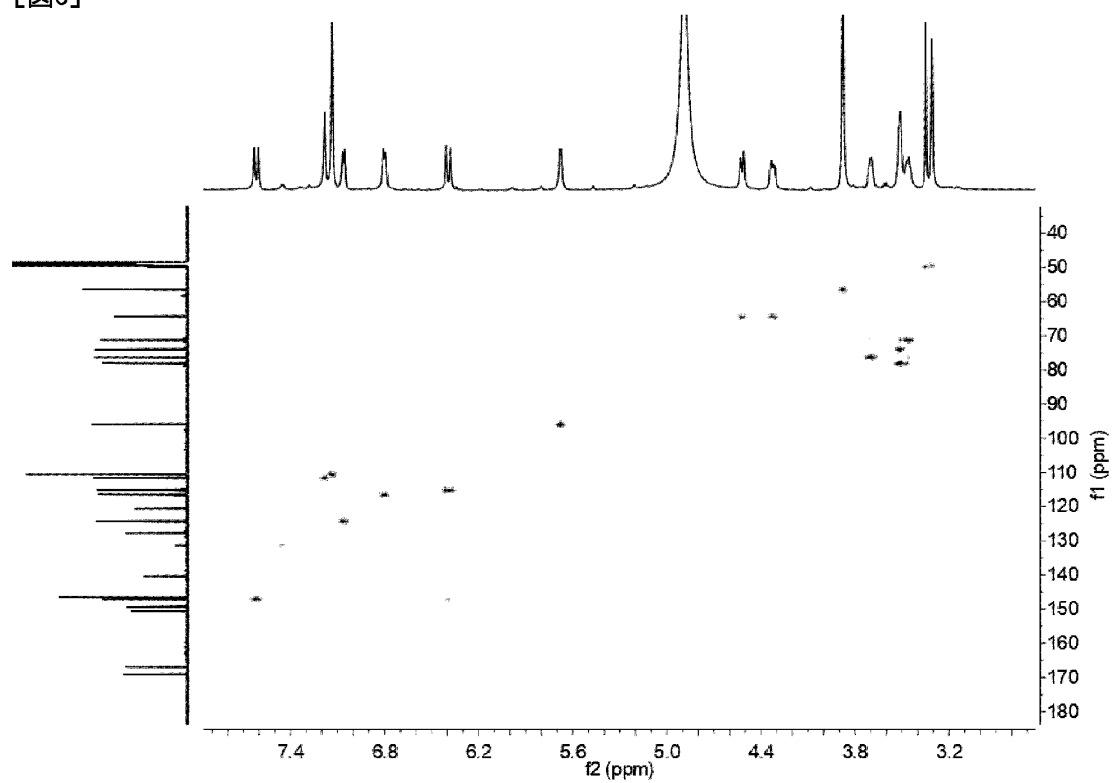
[図4]



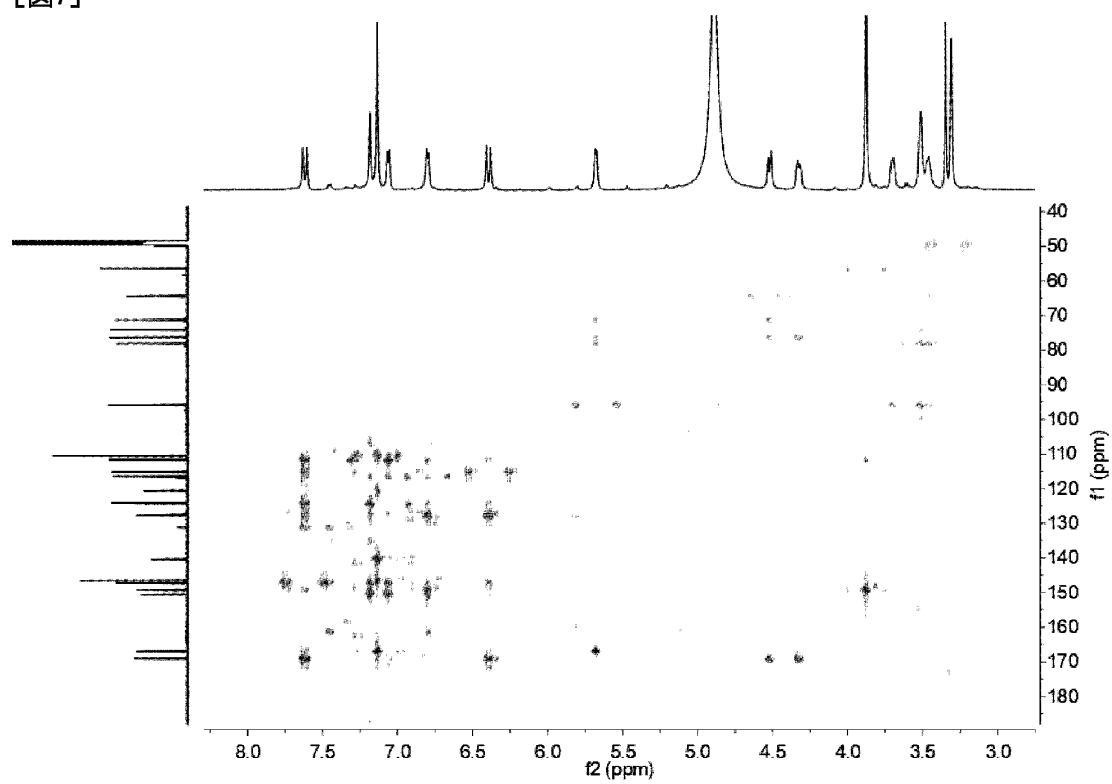
[図5]



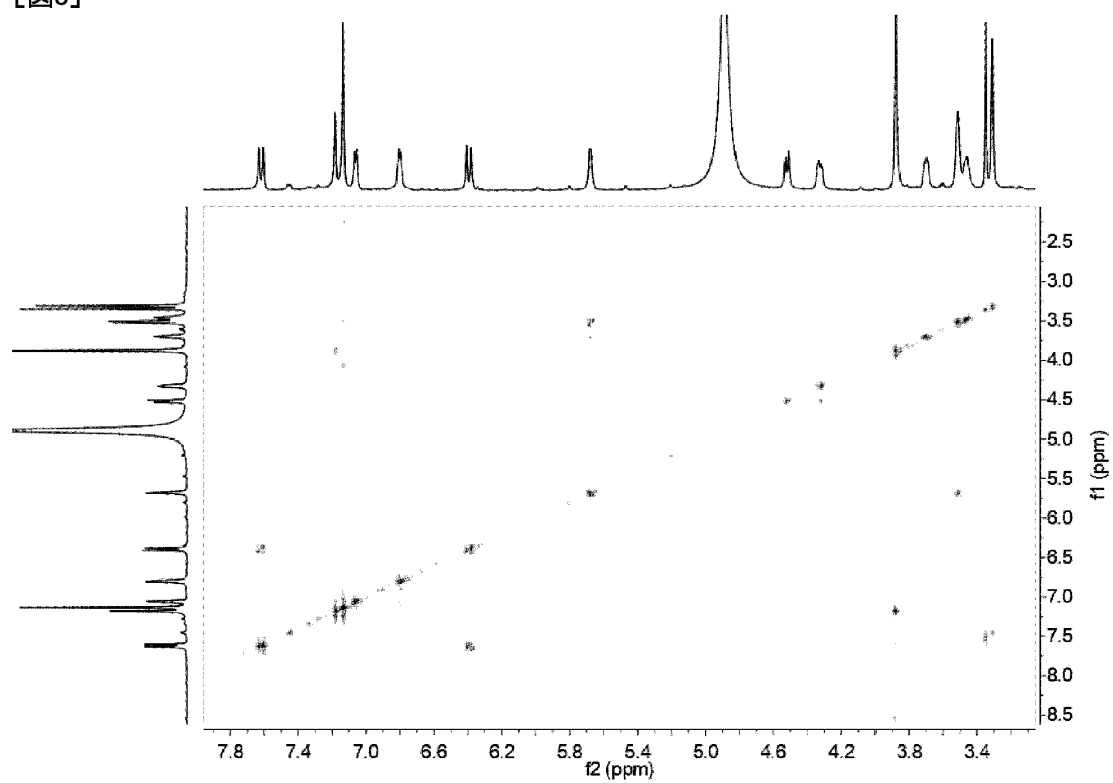
[図6]



[図7]

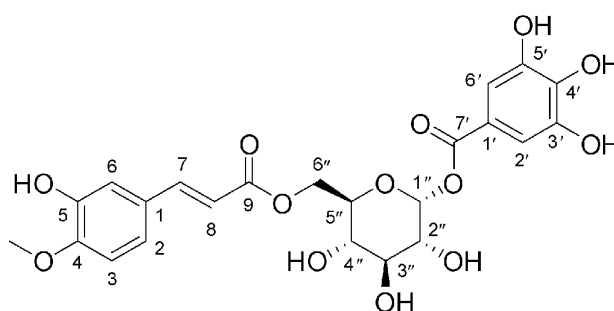


[図8]

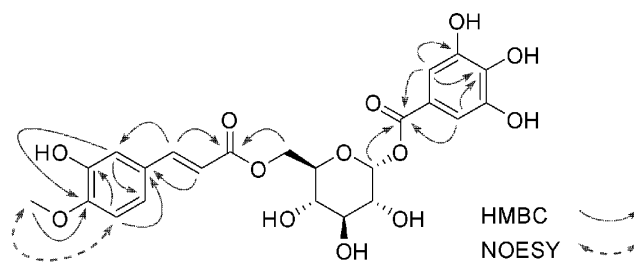


[図9]

位置	δ_H	δ_C	位置	δ_H	δ_C
1	-	127.7	3',5'	-	146.5
2	7.18, s	111.6	4'	-	140.4
3	-	149.3	7'	-	166.9
4	-	150.6	1''	5.68, d ($J=5.4$ Hz)	95.9
5	6.80, d ($J=7.8$ Hz)	116.4	2''	3.51, m	74.1
6	7.06, d ($J=7.8$ Hz)	124.2	3''	3.51, m	78.0
7	7.62, d ($J=15.6$ Hz)	147.2	4''	3.46, m	71.3
8	6.39, d ($J=15.6$ Hz)	115.2	5''	3.70, m	76.3
9	-	169.1	6''	4.31, m	64.4
1'	-	120.6		4.52, d ($J=11.4$ Hz)	
2',6'	7.14, s	110.6	OCH ₃	3.88, s	56.4



[図10]



[図11]

