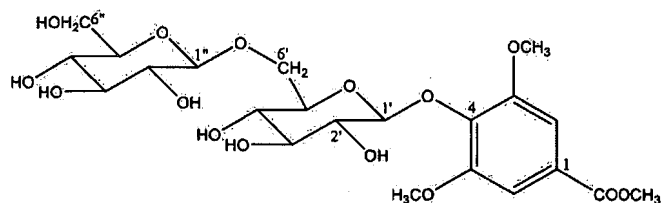
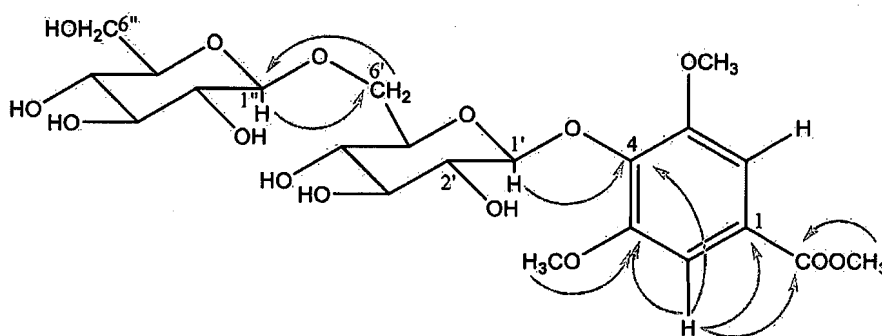


[図1]

NMR data (in CD₃OD)

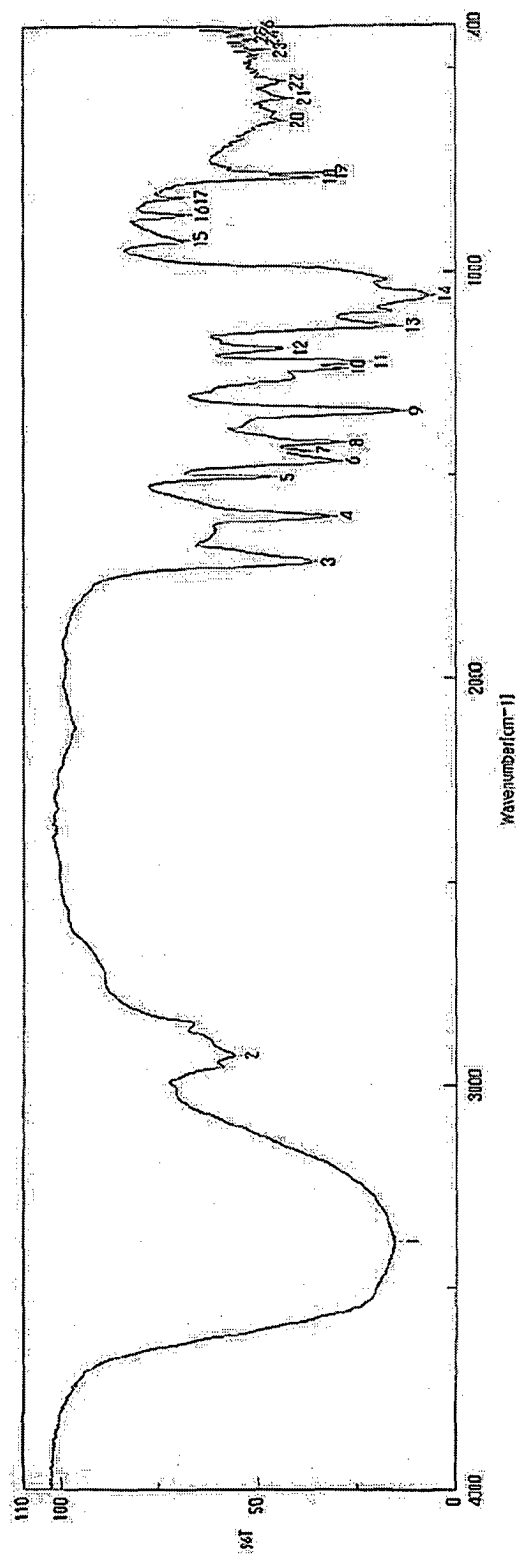
炭素 No.	δ_C (ppm) 125MHz	δ_H [ppm, multiplicity, J (Hz)] 500MHz	HMBC (δ_H)
1	127.2		7.34
2,6	108.3	7.34 (2H, s)	
3,5	154.3		7.34; 3.887
4	140.0		7.40; 5.07
3,5-OCH ₃	57.0	3.887 (6H, s)	
COOCH ₃	168.1		7.04; 3.885
COOCH ₃	52.8	3.885 (3H, s)	
1'	104.1	5.07 (d, 7.8)	3.50
2'	75.6	3.50 (dd, 7.8, 9.3)	3.40
3'	77.7	3.40 (m)	5.07; 3.50
4'	71.3	3.40 (m)	4.01; 3.40
5'	78.0	3.40 (m)	5.07; 4.01; 3.77; 3.40
6'	69.1	3.77 (dd, 4.9, 12.0) 4.01 (brd, 12.0)	4.20; 3.40
1''	104.3	4.20 (d, 7.8)	4.01; 3.77; 3.10
2''	75.1	3.10 (dd, 7.8, 9.3)	3.20
3''	77.8	3.20 (m)	4.20; 3.10
4''	71.5	3.20 (m)	3.80; 3.66; 3.20; 3.05
5''	77.8	3.05 (ddd, 2.2, 5.9, 9.0)	4.20; 3.60; 3.20
6''	62.7	3.66 (dd, 5.9, 12.0) 3.80 (dd, 2.2, 12.0)	3.20



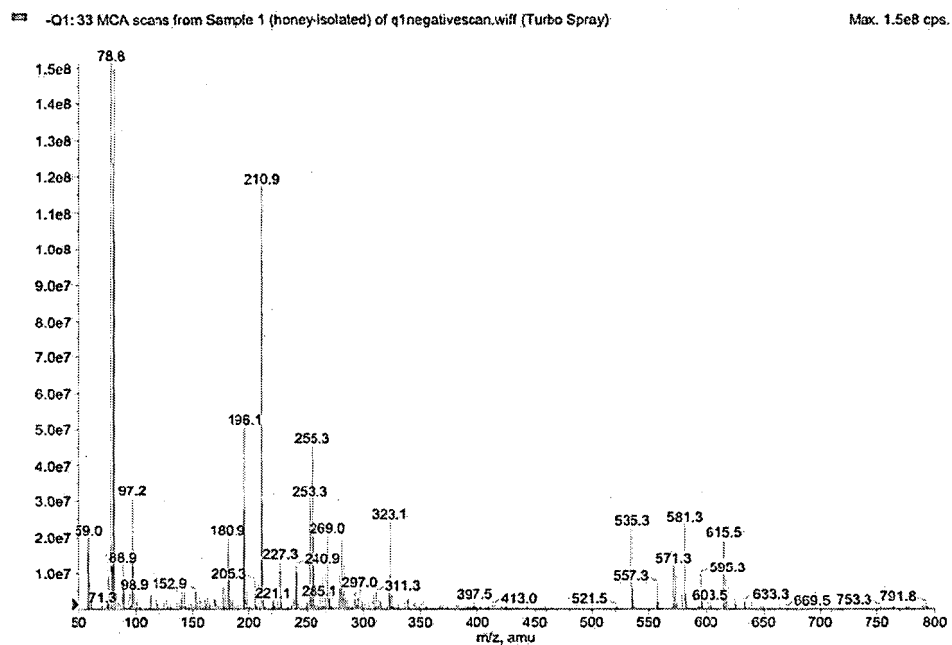
Key HMBC correlations

差替え用紙 (規則26)

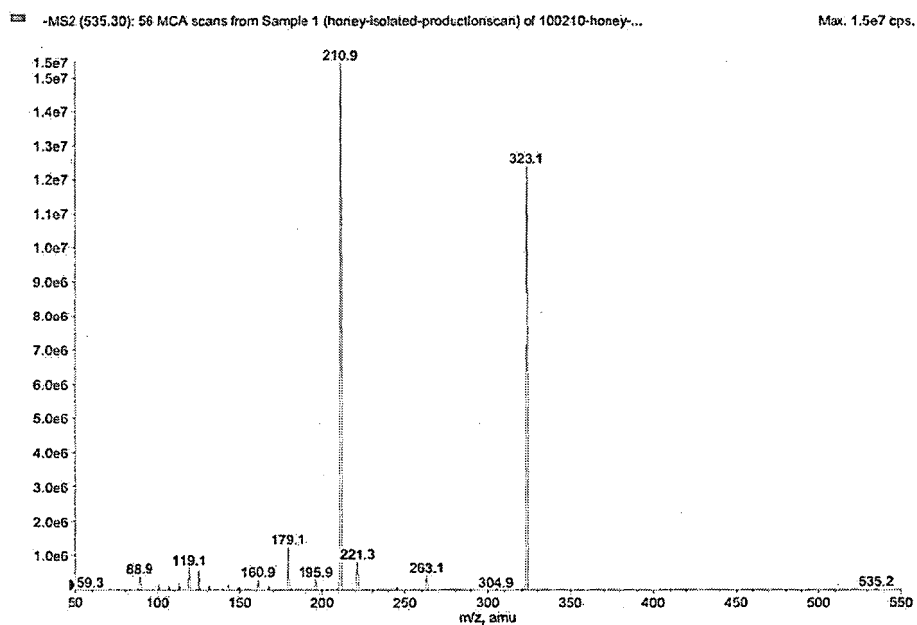
[図2]



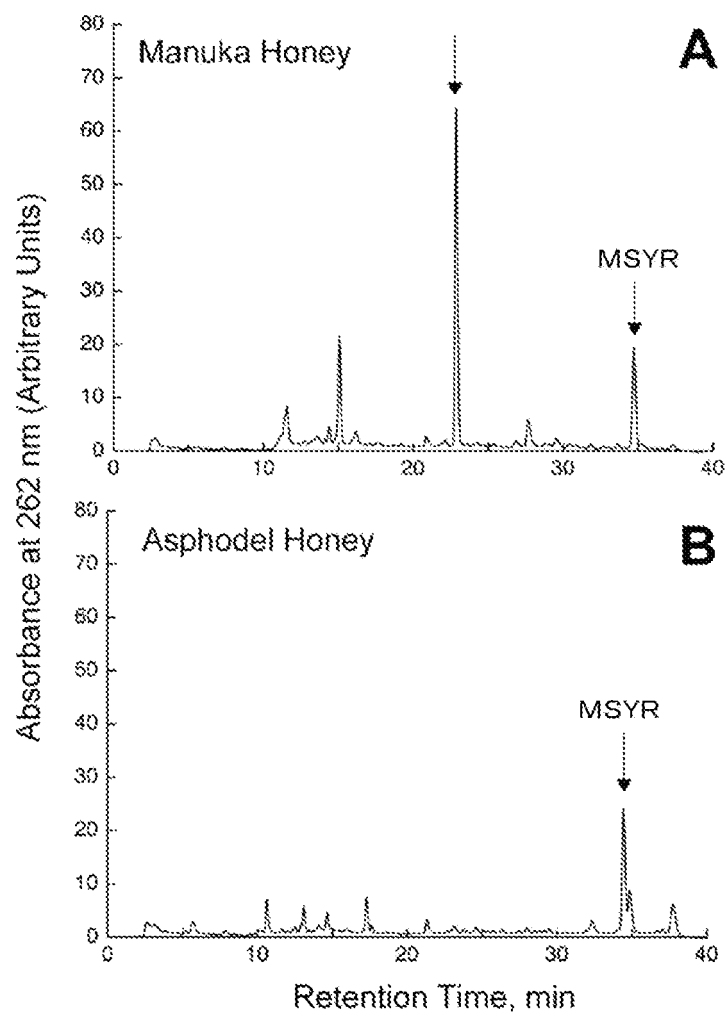
[図3]



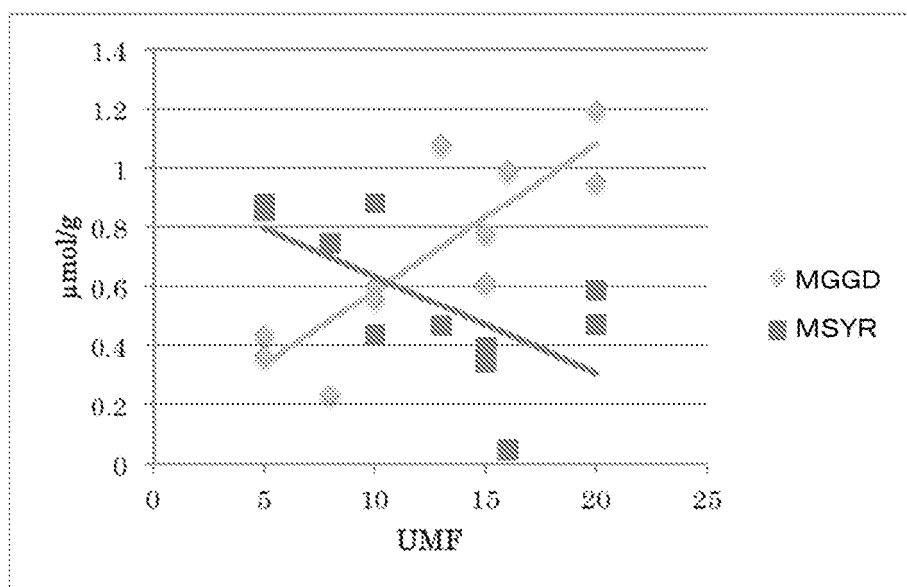
[図4]



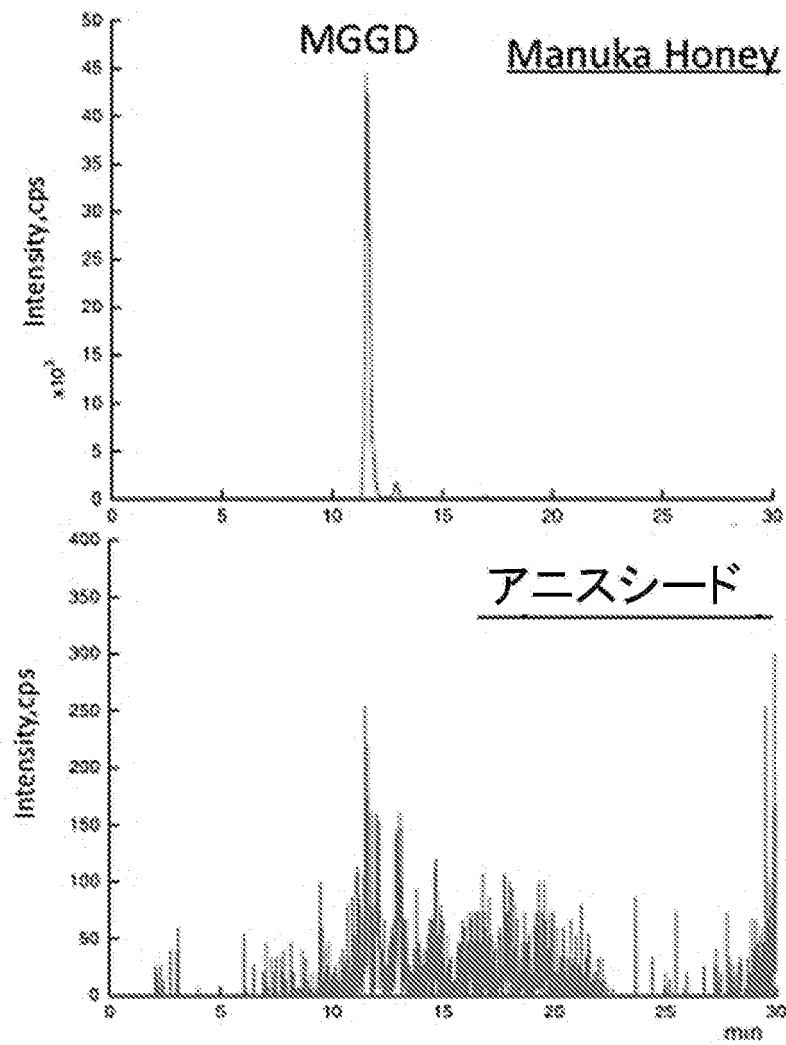
[図5]



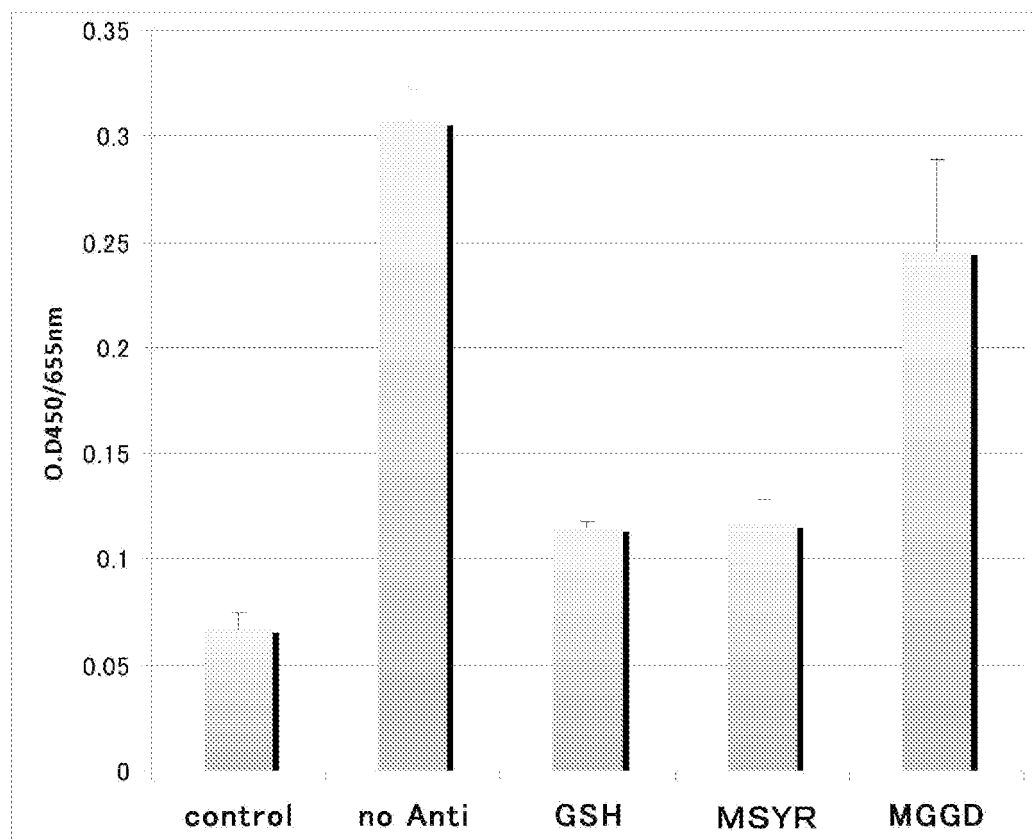
[図6]



[図7]



[図8]



[図9]

