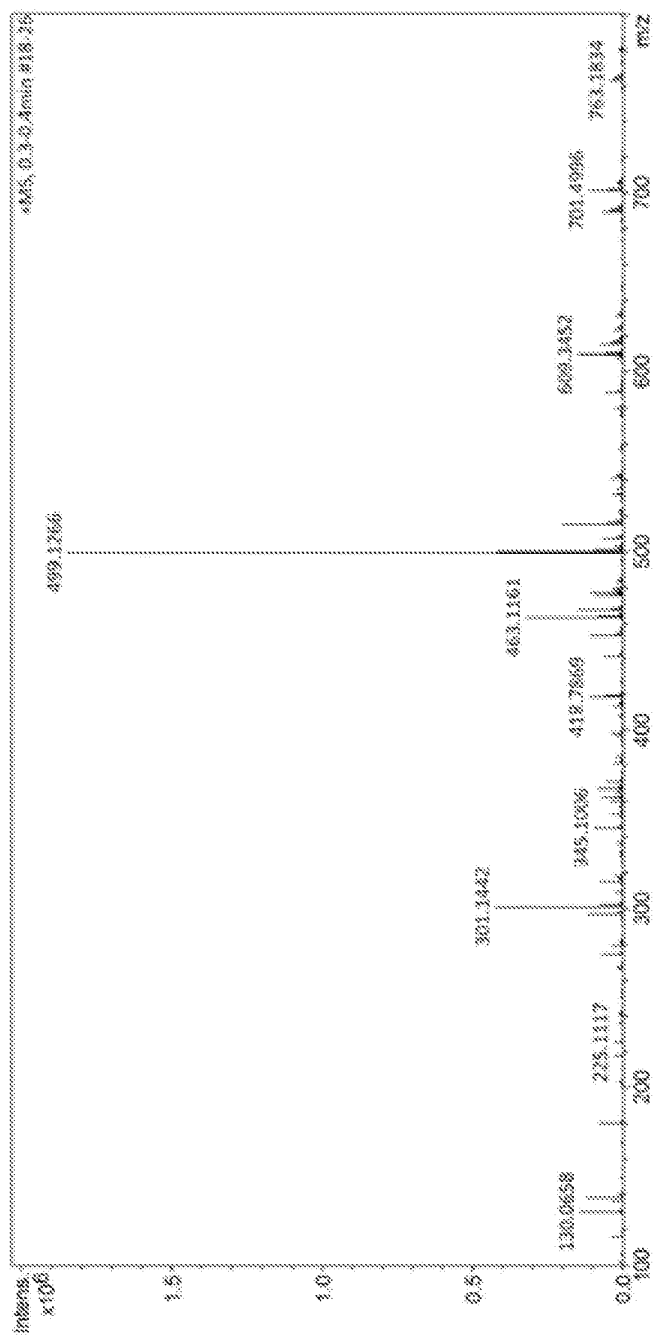
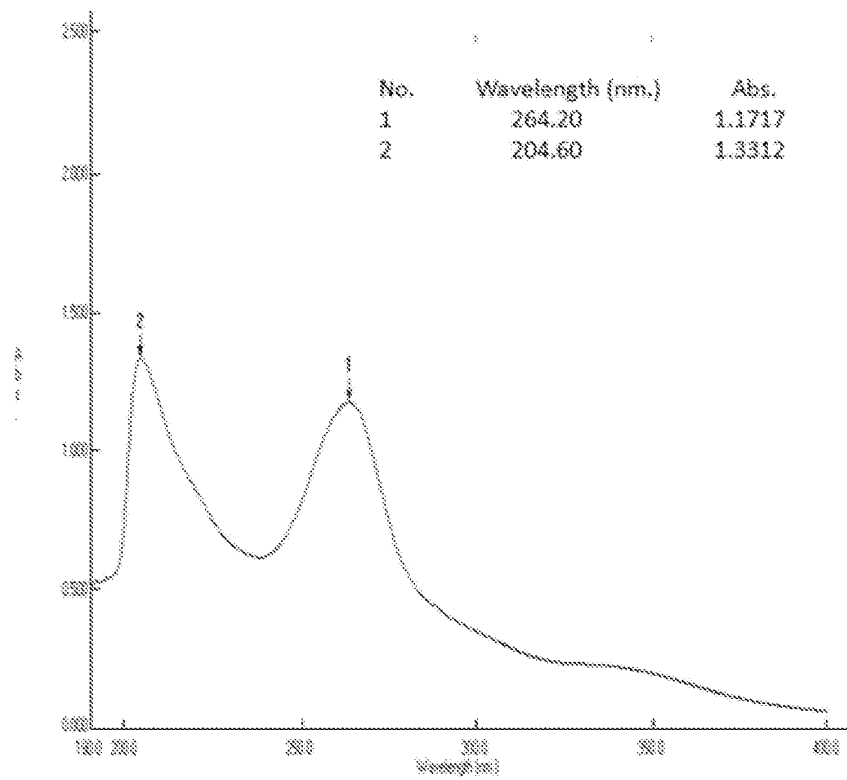


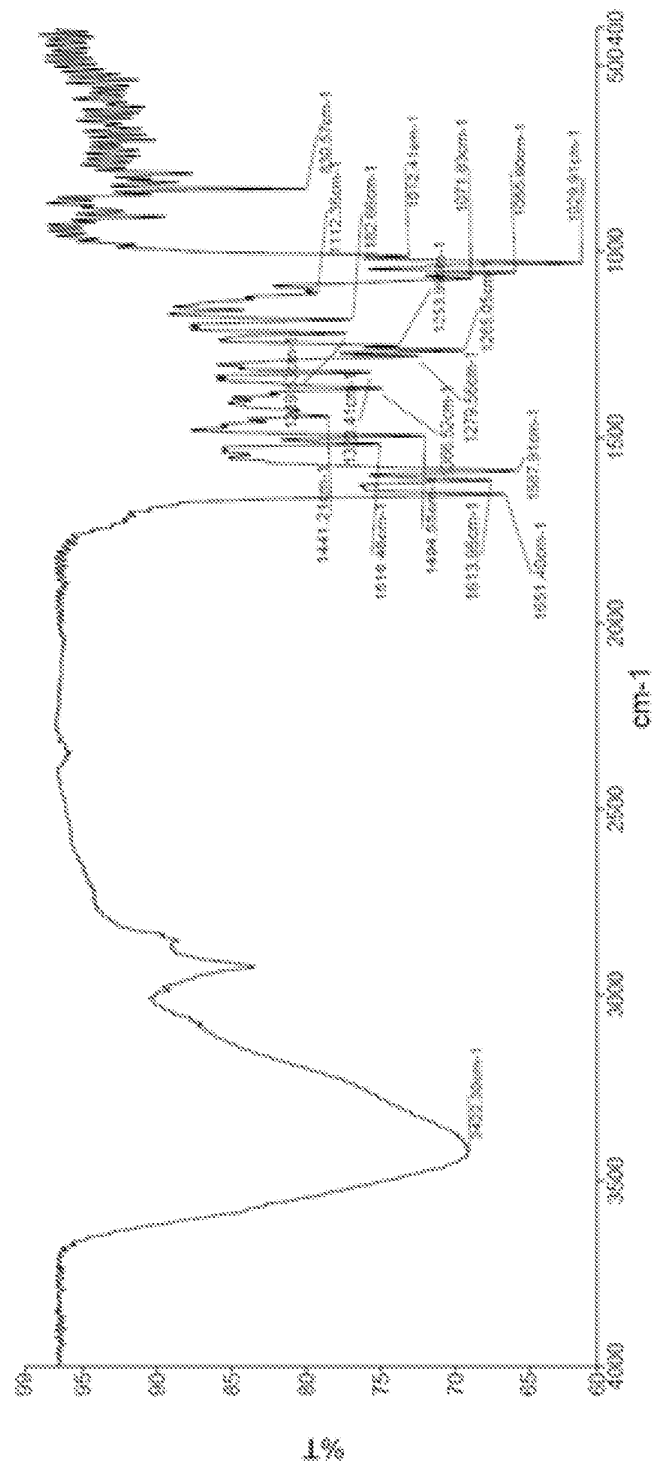
[図1]



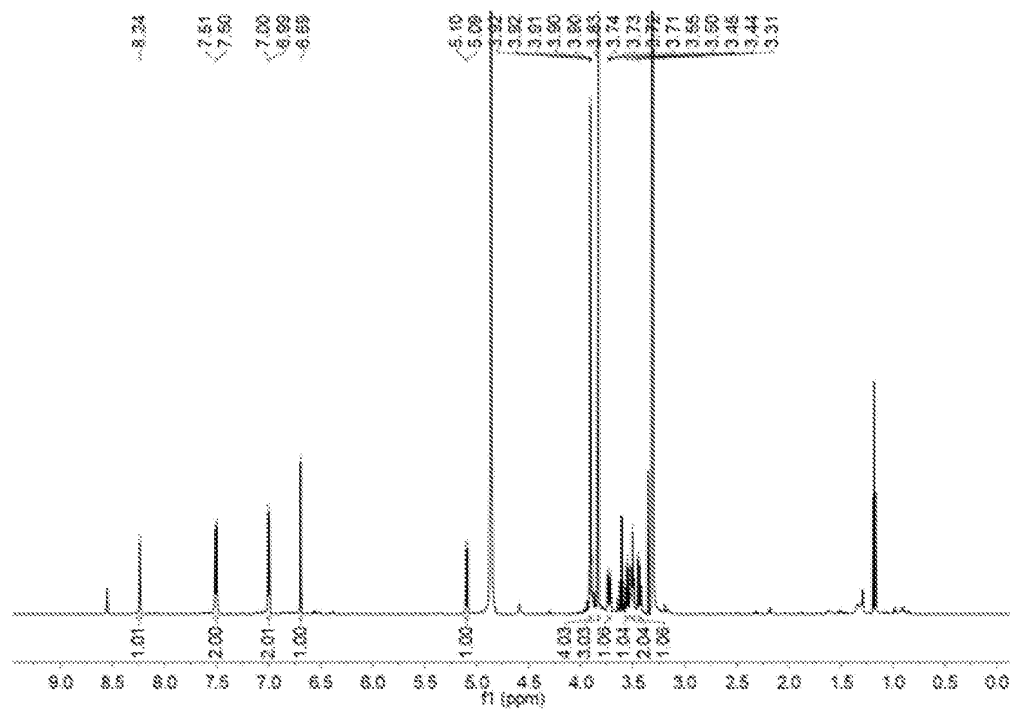
[図2]



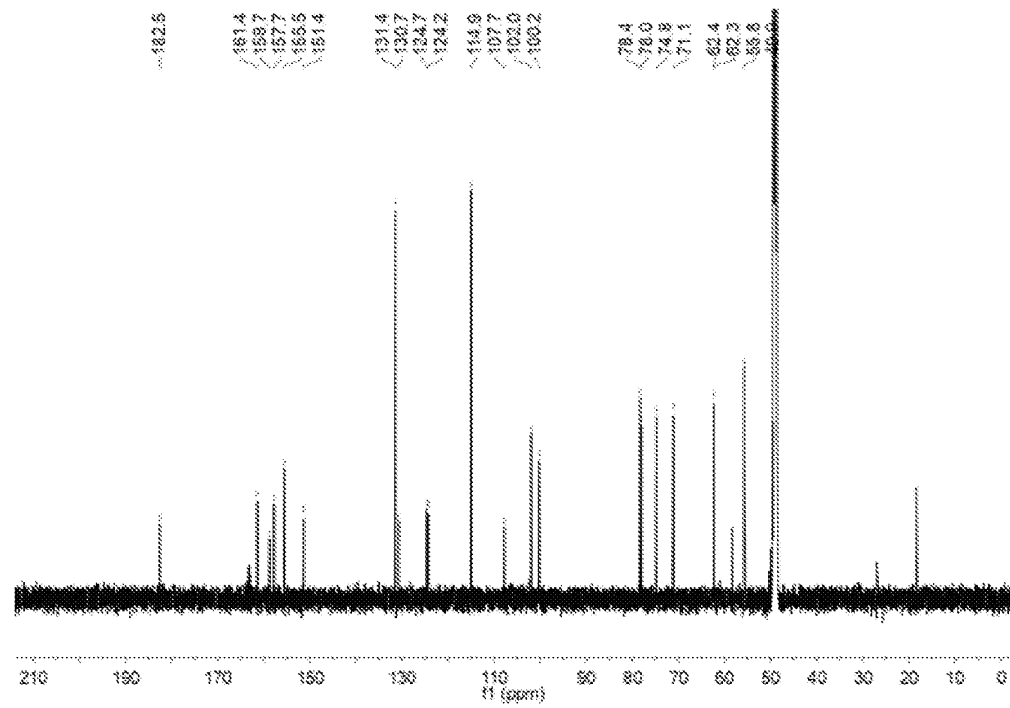
[図3]



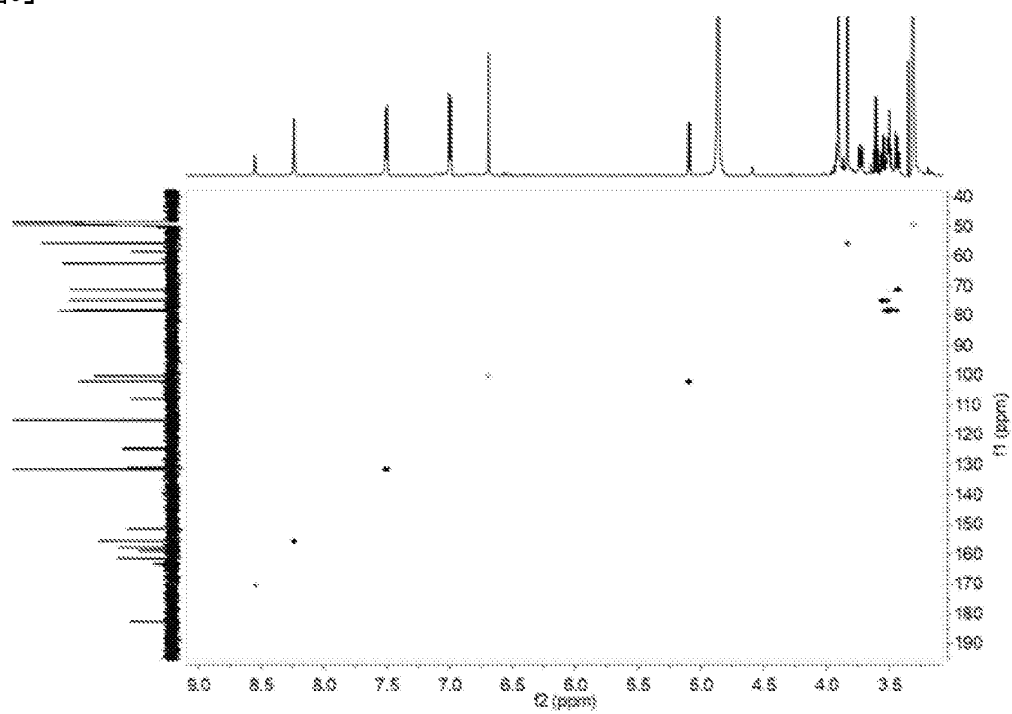
[図4]



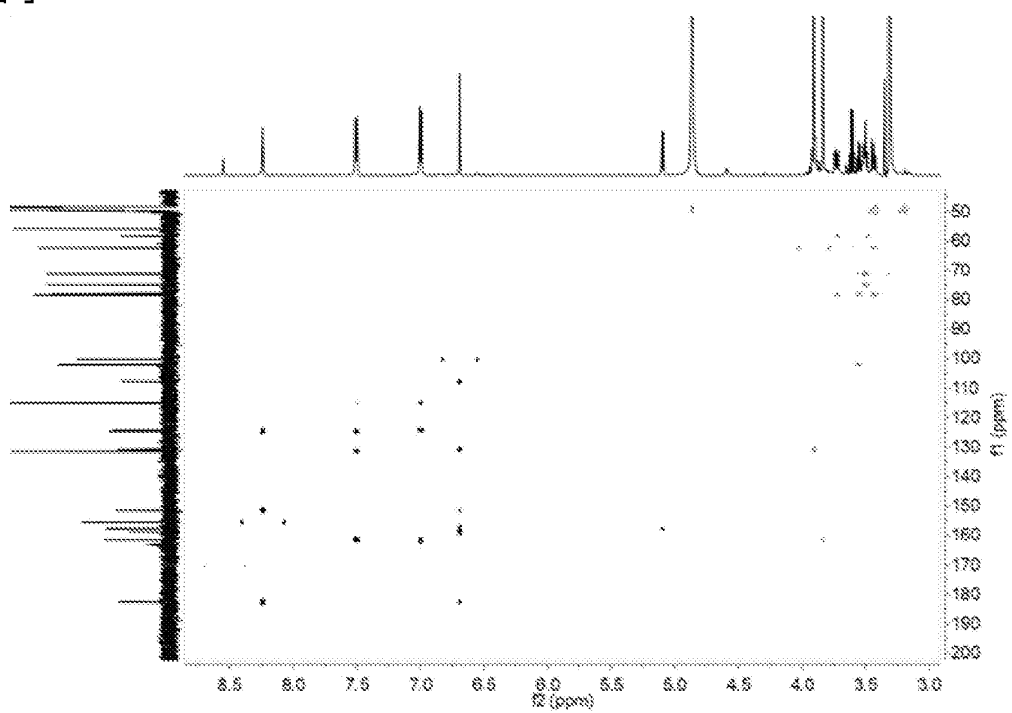
[図5]



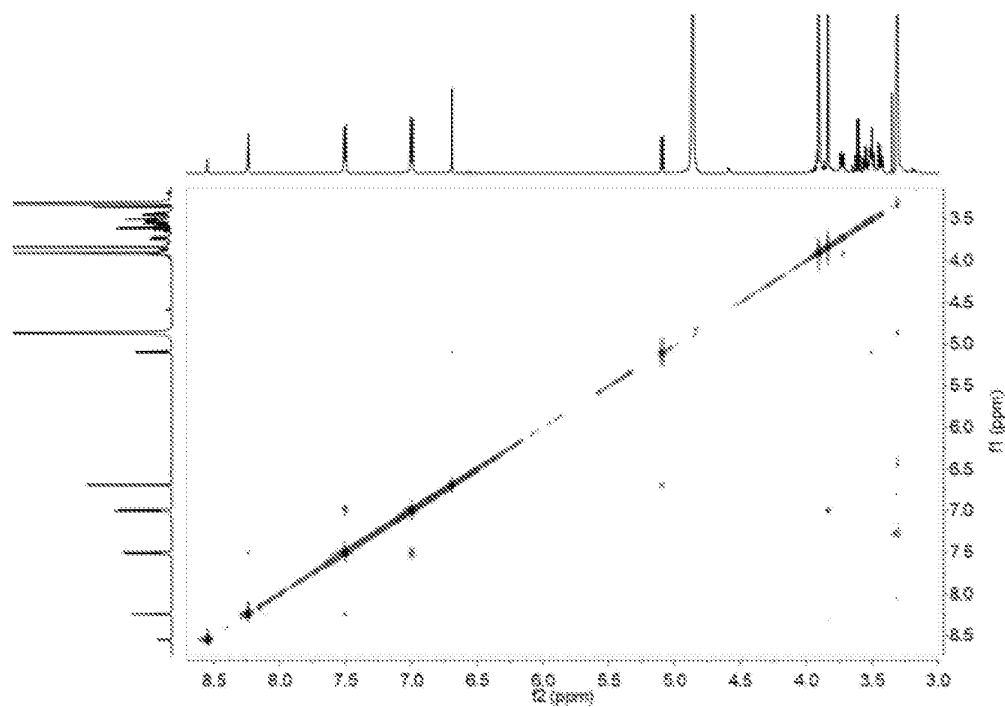
[図6]



[図7]

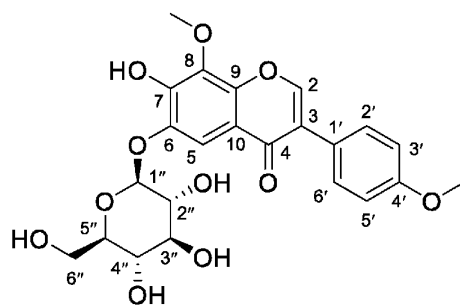


[図8]

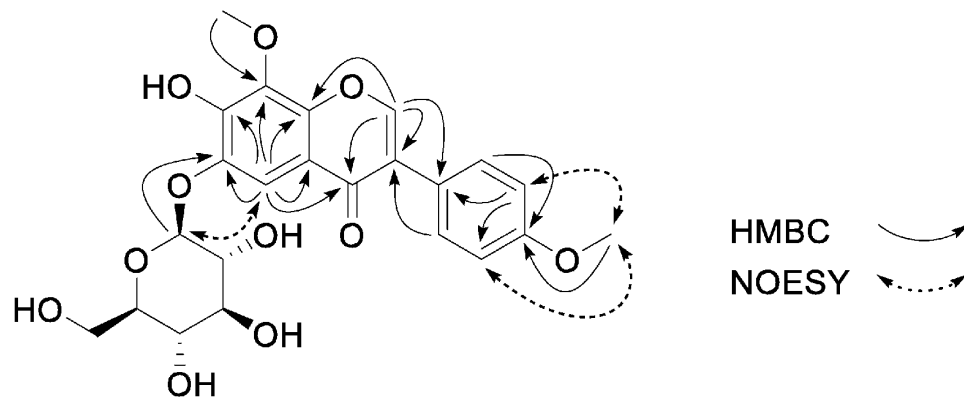


[図9]

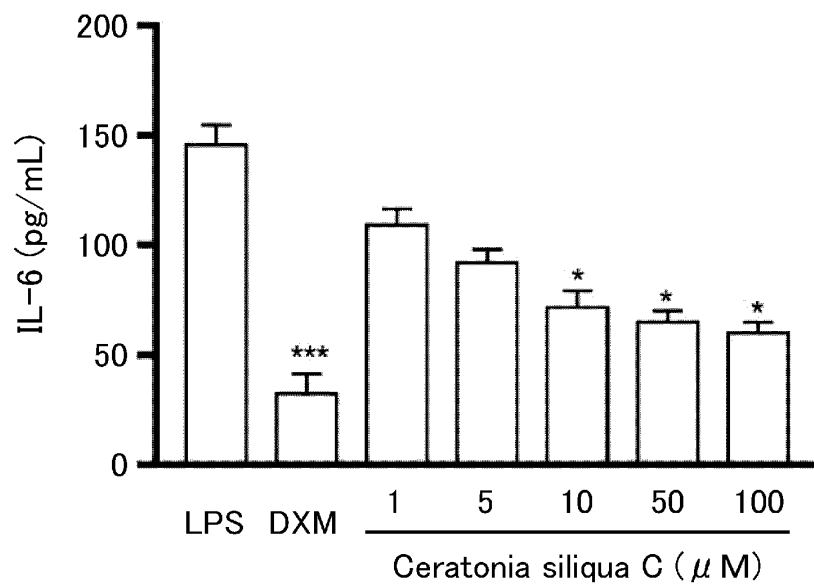
| 位置     | $\delta_H$ (ppm)   | $\delta_C$ (ppm) | 位置                   | $\delta_H$ (ppm)                | $\delta_C$ (ppm) |
|--------|--------------------|------------------|----------------------|---------------------------------|------------------|
| 2      | 8.24, s            | 155.5            | 3', 5'               | 7.00, d (J=8.4 Hz)              | 114.9            |
| 3      | -                  | 124.7            | 4'                   | -                               | 161.4            |
| 4      | -                  | 182.5            | 1''                  | 5.09, d, (J=7.8 Hz)             | 102.0            |
| 5      | 6.69, s            | 100.2            | 2''                  | 3.55, m                         | 74.8             |
| 6      | -                  | 157.7            | 3''                  | 3.44, m                         | 78.0             |
| 7      | -                  | 158.7            | 4''                  | 3.43, m                         | 71.1             |
| 8      | -                  | 130.7            | 5''                  | 3.50, m                         | 78.4             |
| 9      | -                  | 151.4            | 6''                  | 3.91, dd, (J=12.0 Hz, J=2.4 Hz) | 62.3             |
| 10     | -                  | 107.7            |                      | 3.73, dd, (J=12.0 Hz, J=5.4 Hz) |                  |
| 1'     | -                  | 124.2            | OCH <sub>3</sub> -4' | 3.83, s                         | 55.8             |
| 2', 6' | 7.50, d (J=8.4 Hz) | 131.4            | OCH <sub>3</sub> -8  | 3.91, s                         | 62.4             |



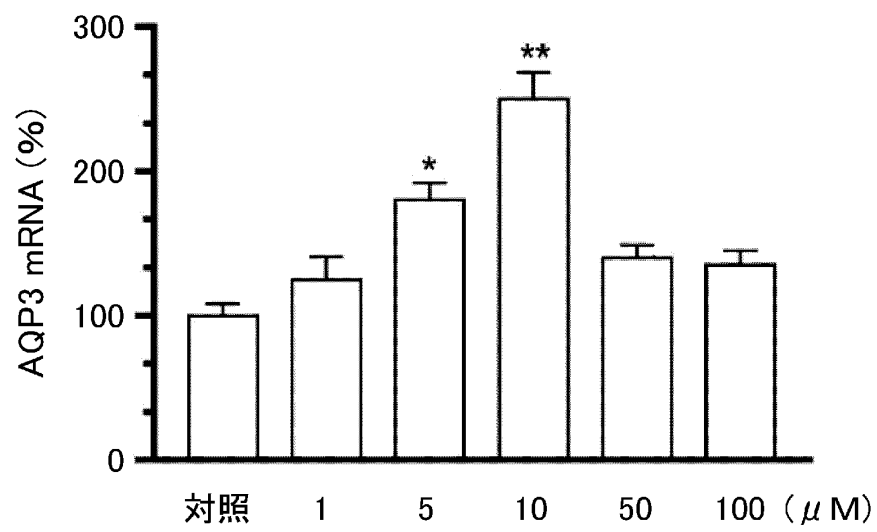
[図10]



[図11]



[図12]



[図13]

