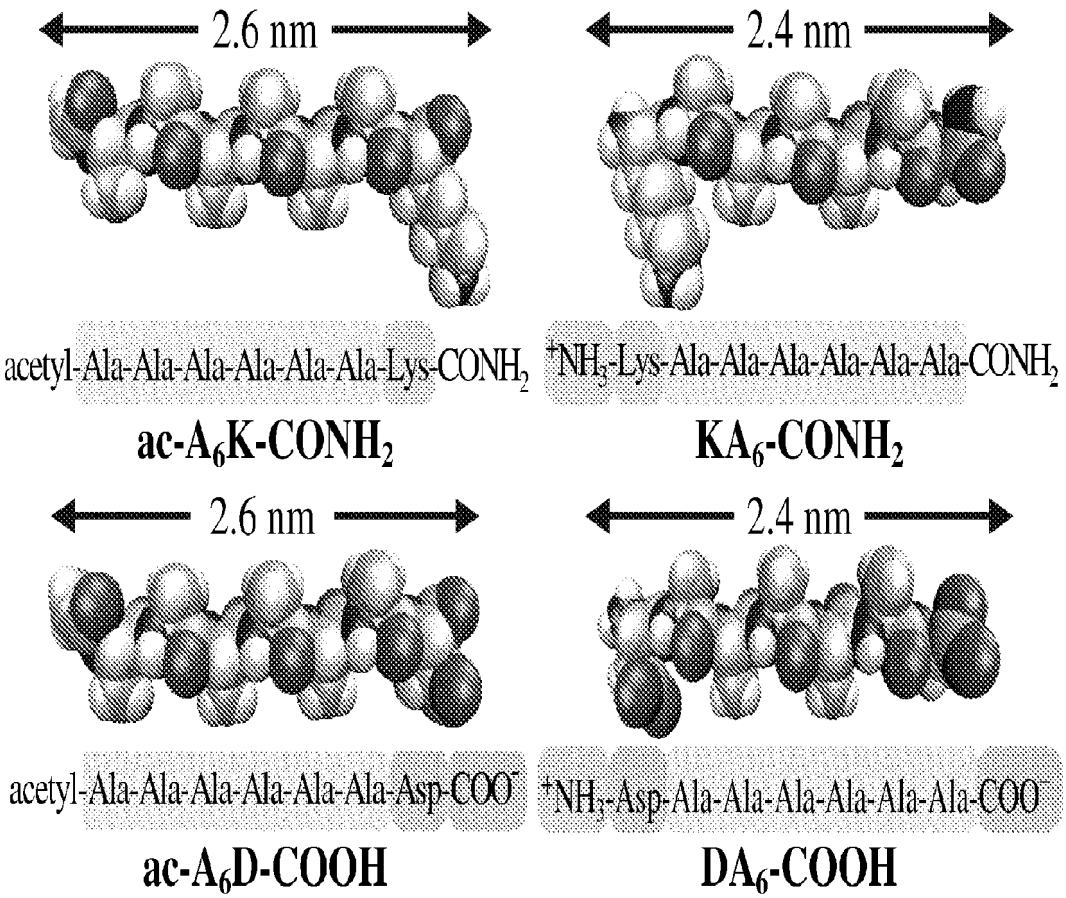

2.6 nm
2.4 nm
acetyl-Ala-Ala-Ala-Ala-Ala-Ala-Lys-CONH2
+NH3-Lys-Ala-Ala-Ala-Ala-Ala-Ala-CONH2
ac-A6K-CONH2
KA6-CONH2
2.6 nm
2.4 nm
acetyl-Ala-Ala-Ala-Ala-Ala-Ala-Asp-COO-
+NH3-Asp-Ala-Ala-Ala-Ala-Ala-Ala-COO-
ac-A6D-COOH
DA6-COOH

FIG. 1

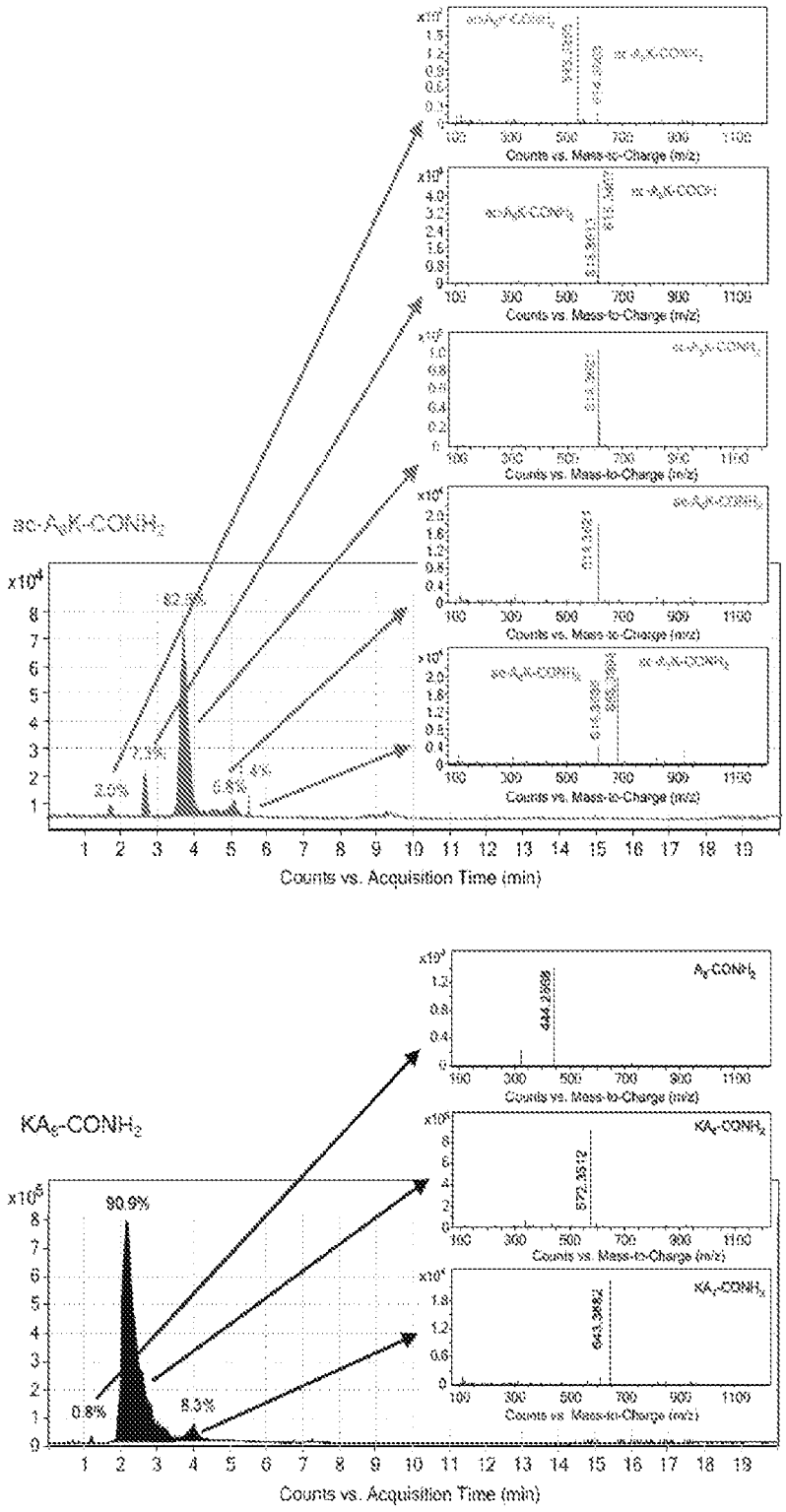

sc-A6K-CONH2
82.3%
7.3%
2.0%
6.8%
1.4%
Counts vs. Acquisition Time (min)
KA6-CONH2
90.9%
8.3%
0.8%
Counts vs. Acquisition Time (min)

FIG. 2

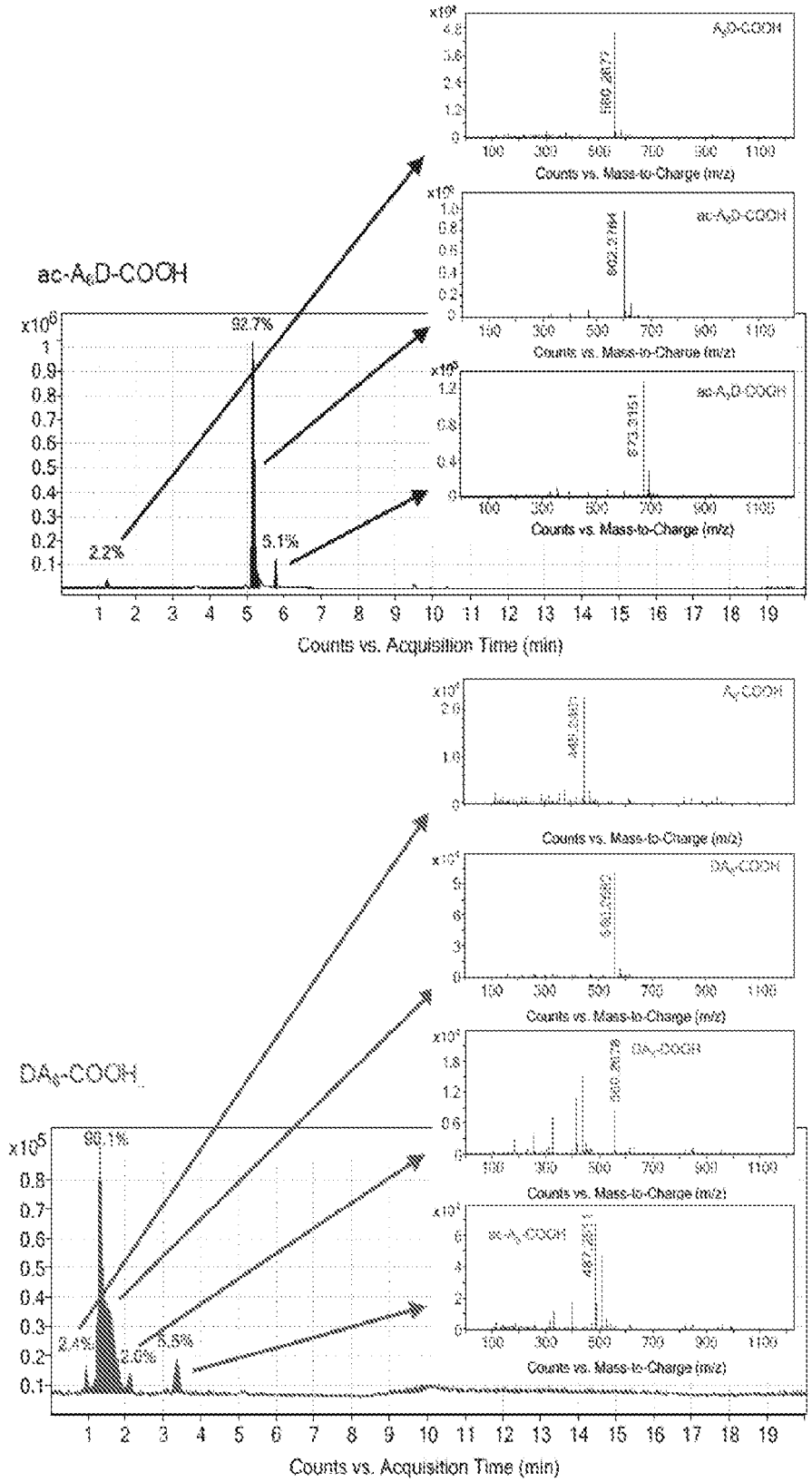

ac-A6D-COOH
92.7%
2.2%
5.1%
Counts vs. Acquisition Time (min)
Counts vs. Mass-to-Charge (m/z)
DA6-COOH
80.1%
2.4%
5.8%
Counts vs. Acquisition Time (min)
Counts vs. Mass-to-Charge (m/z)

FIG. 2 (cont.)

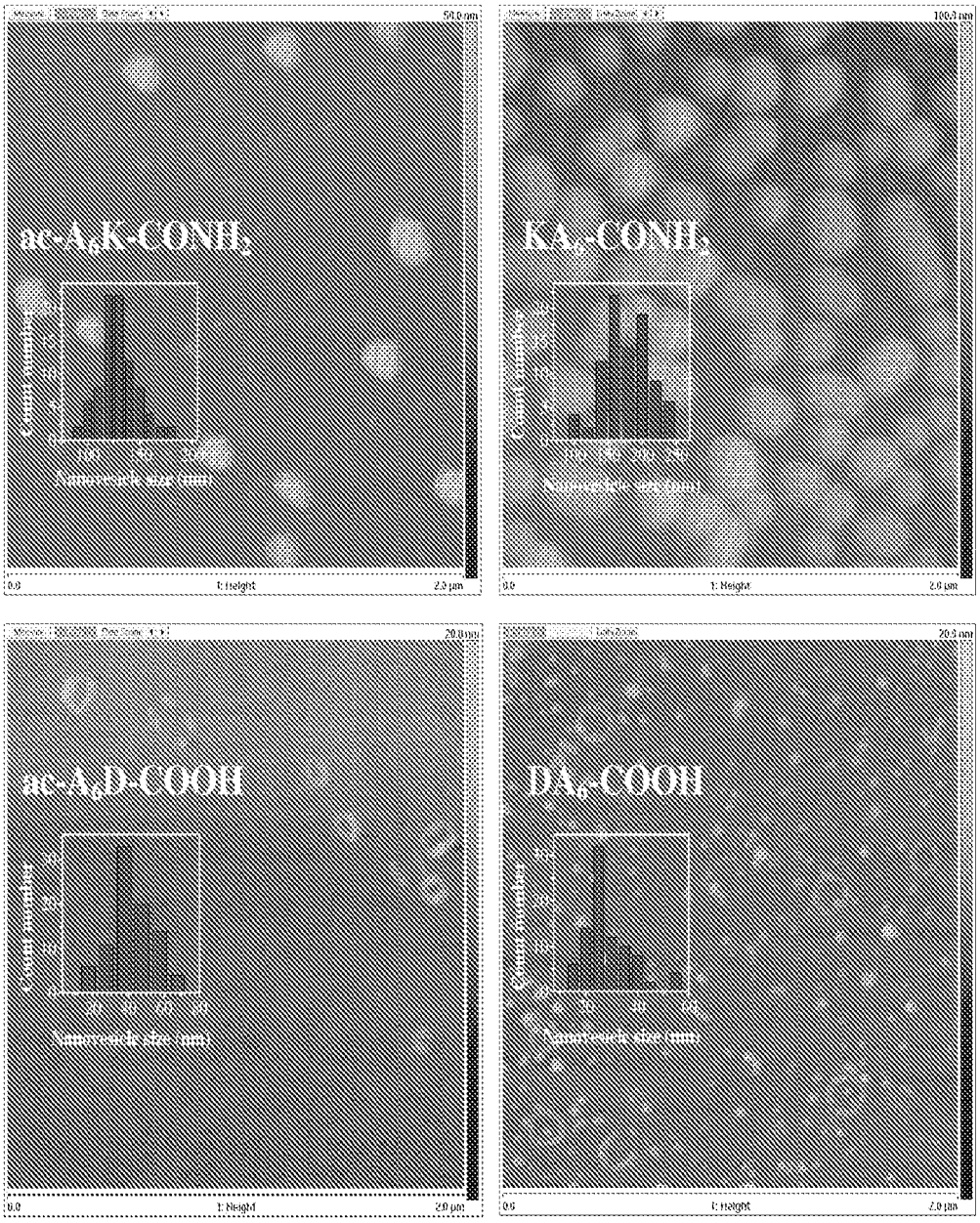


FIG. 3

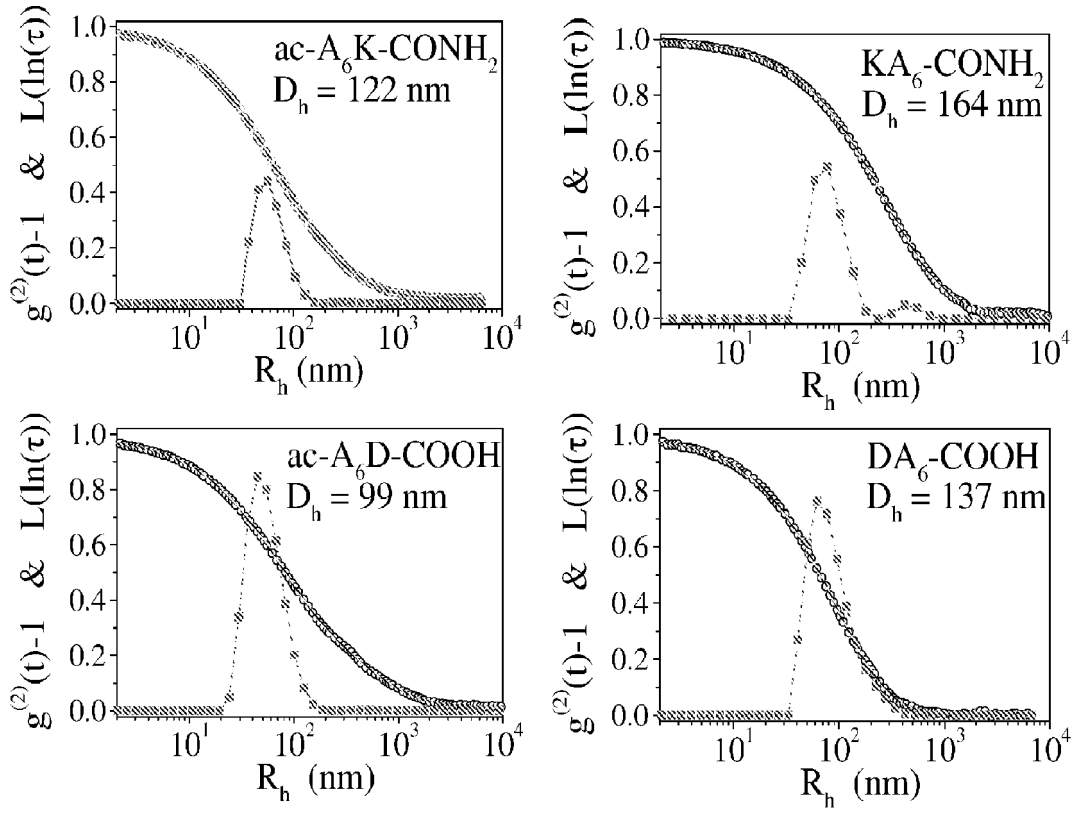

ac-A6K-CONH2
Dh = 122 nm
KA6-CONH2
Dh = 164 nm
ac-A6D-COOH
Dh = 99 nm
DA6-COOH
Dh = 137 nm
g(2)(t)-1 & L(ln(τ))
Rh (nm)

FIG. 4

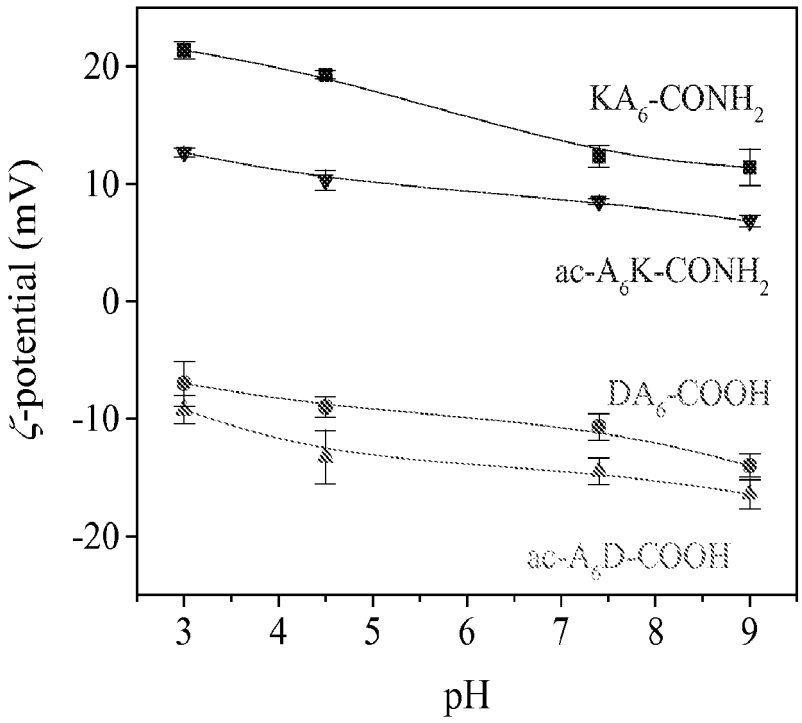

20
10
0
-10
-20
ζ-potential (mV)
3
4
5
6
7
8
9
pH
KA6-CONH2
ac-A6K-CONH2
DA6-COOH
ac-A6D-COOH

FIG. 5

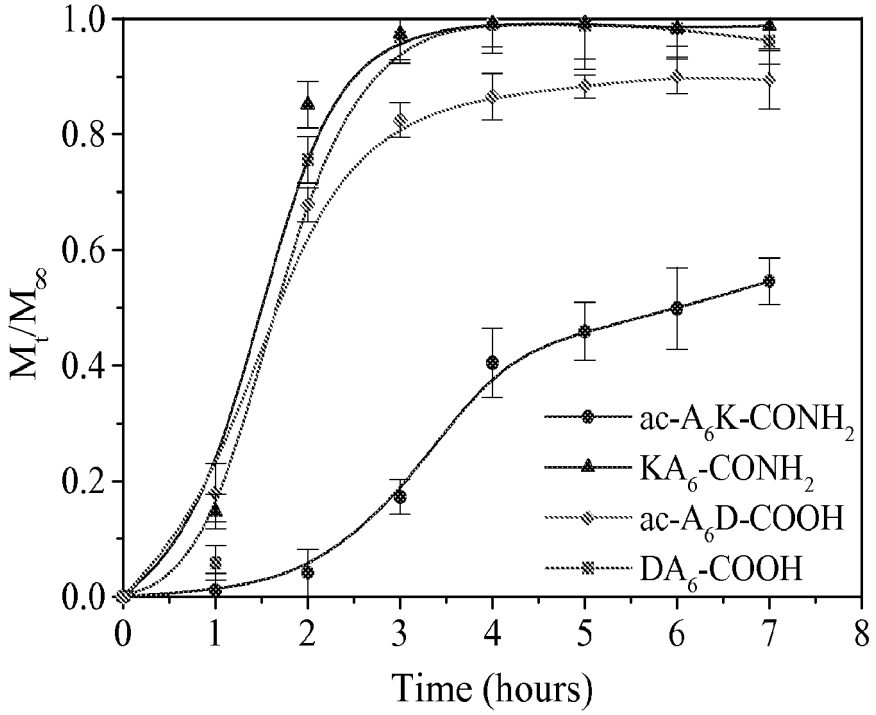
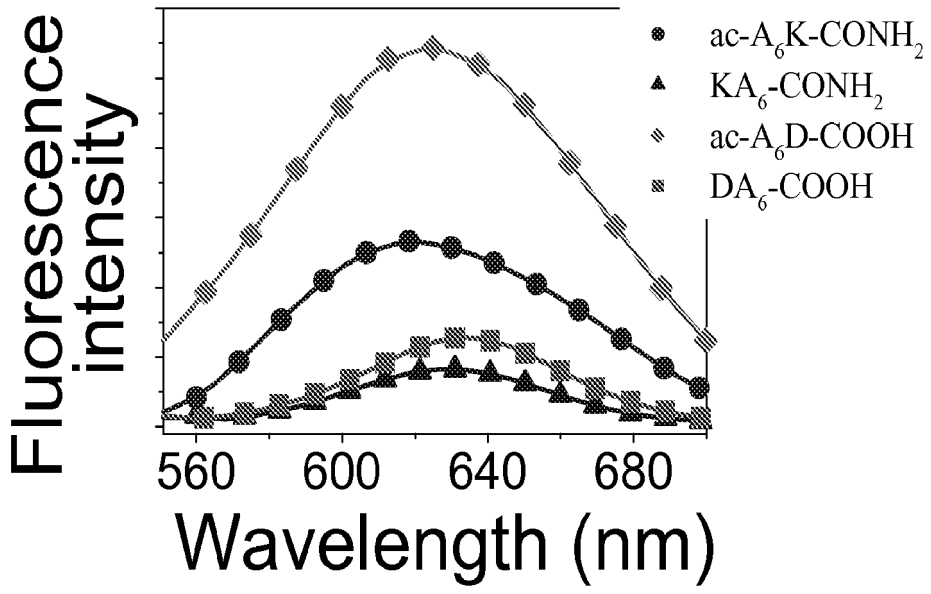

1.0
0.8
0.6
0.4
0.2
0.0
M_t/M_∞
0
1
2
3
4
5
6
7
8
Time (hours)
ac-A_6K-$CONH_2$
KA_6-$CONH_2$
ac-A_6D-COOH
DA_6-COOH

FIG. 6


Fluorescence intensity
560
600
640
680
Wavelength (nm)
ac-A6K-CONH2
KA6-CONH2
ac-A6D-COOH
DA6-COOH

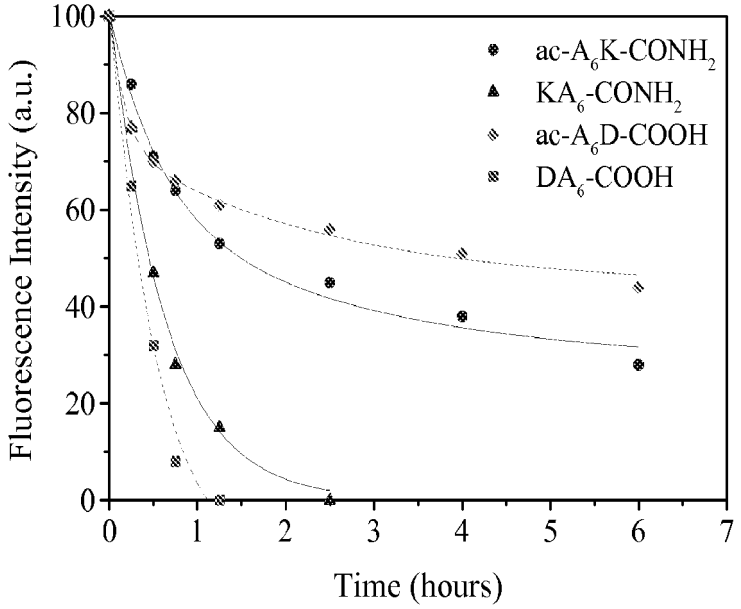

Fluorescence Intensity (a.u.)
100
80
60
40
20
0
0
1
2
3
4
5
6
7
Time (hours)
ac-A6K-CONH2
KA6-CONH2
ac-A6D-COOH
DA6-COOH

FIG. 7

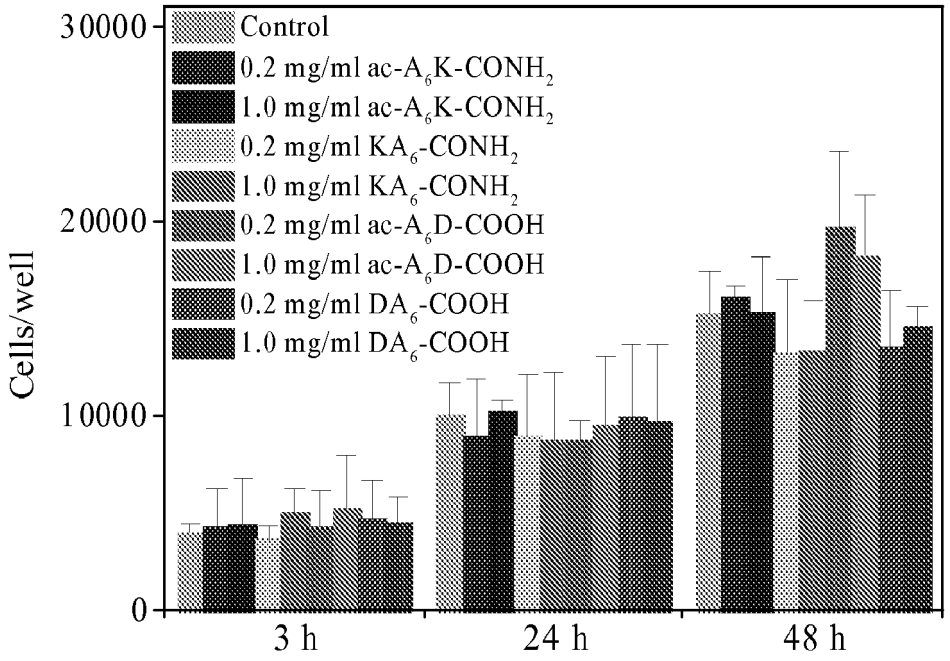

30000
20000
10000
0
Cells/well
Control
0.2 mg/ml ac-A6K-CONH2
1.0 mg/ml ac-A6K-CONH2
0.2 mg/ml KA6-CONH2
1.0 mg/ml KA6-CONH2
0.2 mg/ml ac-A6D-COOH
1.0 mg/ml ac-A6D-COOH
0.2 mg/ml DA6-COOH
1.0 mg/ml DA6-COOH
3 h
24 h
48 h

FIG. 8

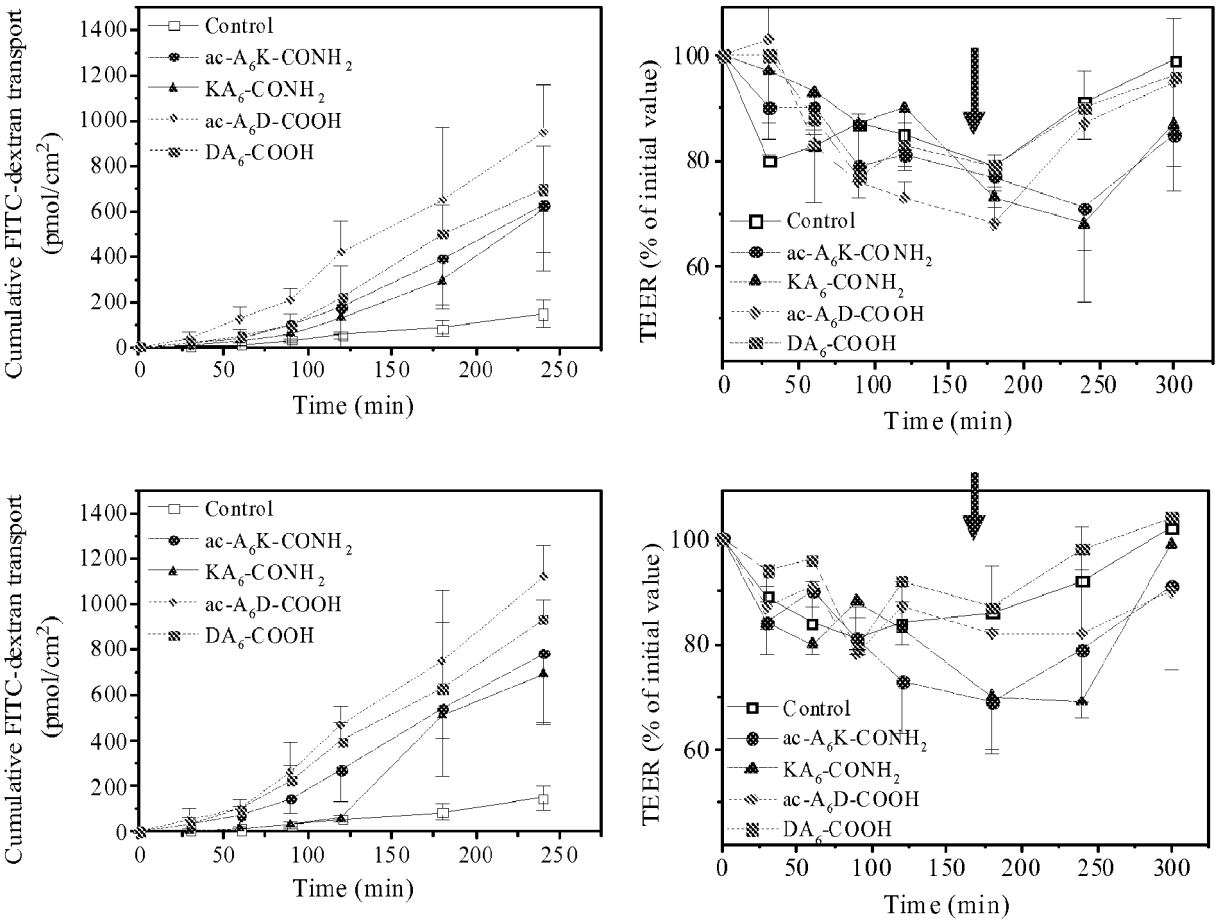

Cumulative FITC-dextran transport (pmol/cm²)
Time (min)
Control
ac-A6K-CONH2
KA6-CONH2
ac-A6D-COOH
DA6-COOH
TEER (% of initial value)
Time (min)
Control
ac-A6K-CONH2
KA6-CONH2
ac-A6D-COOH
DA6-COOH
Cumulative FITC-dextran transport (pmol/cm²)
Time (min)
Control
ac-A6K-CONH2
KA6-CONH2
ac-A6D-COOH
DA6-COOH
TEER (% of initial value)
Time (min)
Control
ac-A6K-CONH2
KA6-CONH2
ac-A6D-COOH
DA6-COOH

FIG. 9

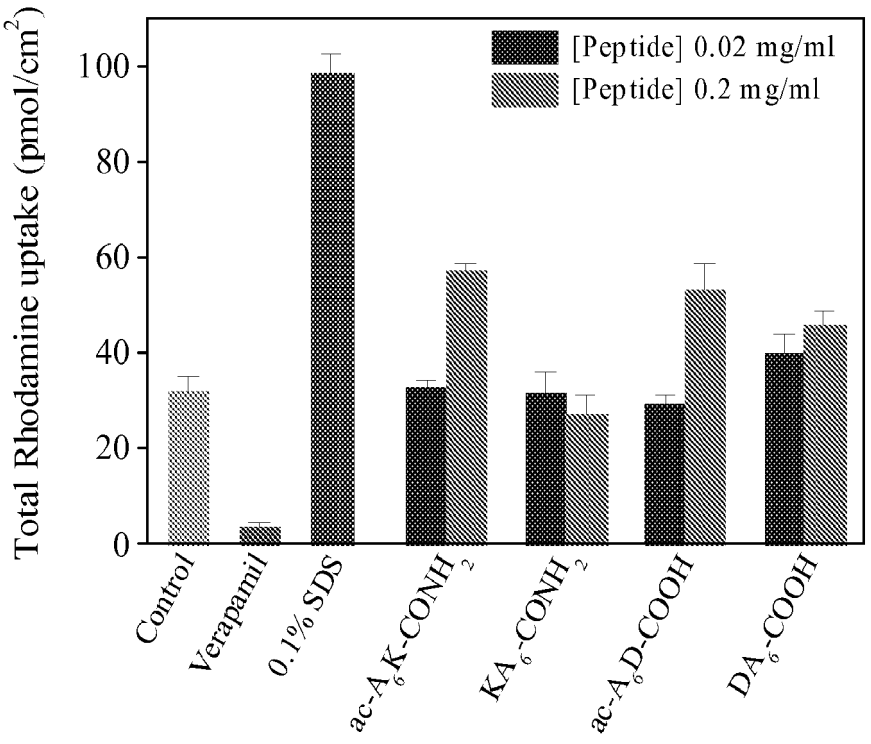

Total Rhodamine uptake (pmol/cm^2)
100
80
60
40
20
0
[Peptide] 0.02 mg/ml
[Peptide] 0.2 mg/ml
Control
Verapamil
0.1% SDS
ac-A$_6$K-CONH$_2$
KA$_6$-CONH$_2$
ac-A$_6$D-COOH
DA$_6$-COOH

FIG. 10

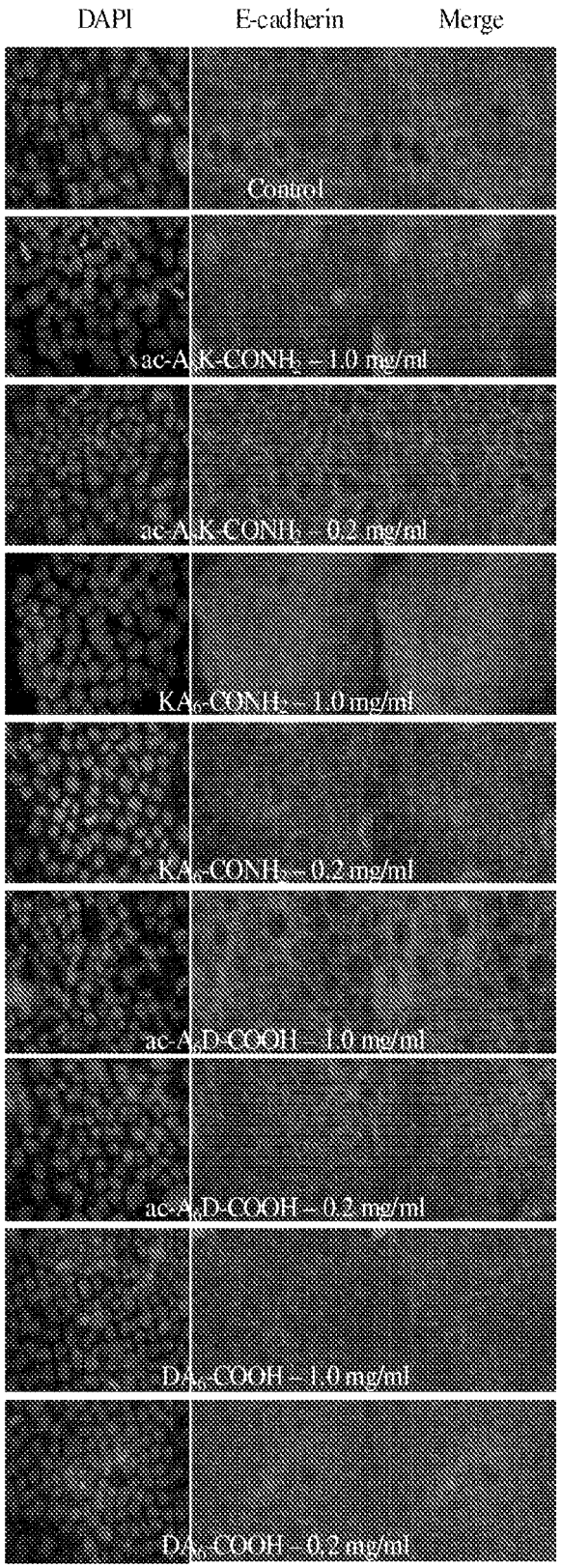

DAPI
E-cadherin
Merge
Control
ac-A6K-CONH2 – 1.0 mg/ml
ac-A6K-CONH2 – 0.2 mg/ml
KA6-CONH2 – 1.0 mg/ml
KA6-CONH2 – 0.2 mg/ml
ac-A6D-COOH – 1.0 mg/ml
ac-A6D-COOH – 0.2 mg/ml
DA6-COOH – 1.0 mg/ml
DA6-COOH – 0.2 mg/ml

FIG. 11