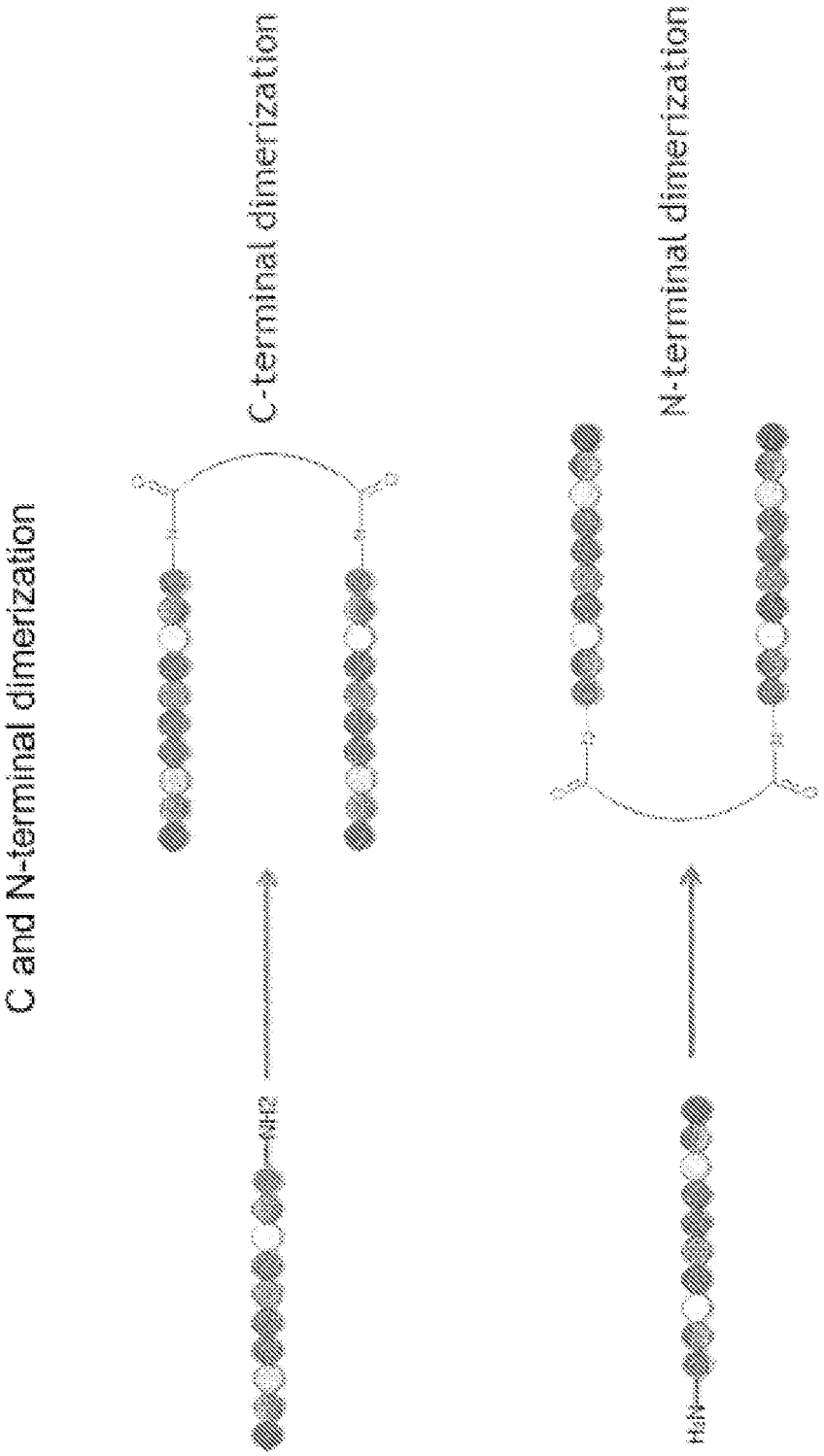

C and N-terminal dimerization
C-terminal dimerization
N-terminal dimerization

FIG-1

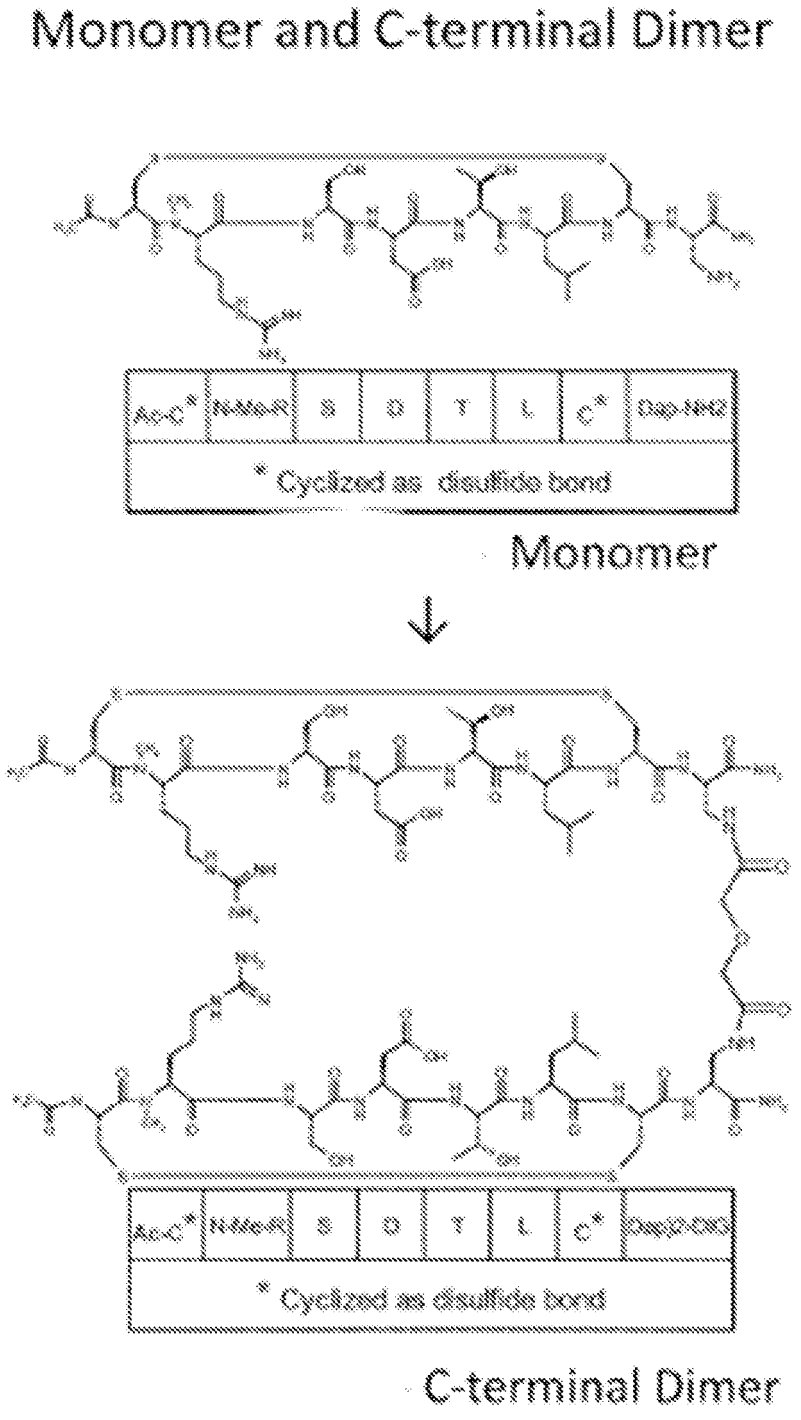

Monomer and C-terminal Dimer
Ac-C*
S
D
T
L
C*
Dap-NH2
* Cyclized as disulfide bond
Monomer
* Cyclized as disulfide bond
C-terminal Dimer

FIG-2

SEQ ID	Sequence										SIF stability (half-life, min)
	4	5	6	7	8	9	10	11			
39	Ac-C	R	S	D	T	L	C-NH2				<1min
57	Ac-C	N-Me-R	S	D	T	L	C-NH2				73
82	Ac-C	N-Me-R	S	D	T	L	Pen	k-NH2			>360
102	Ac-C	N-Me-R	S	D	T	L	Pen	E	k-NH2		>360
39	Ac-C	R	S	D	T	L	C-NH2				<1min
121	Ac-Pen	R	S	D	T	L	Pen	k-NH2			>360min

FIG. 3

SAMPLE	SEQ ID										potency and selectivity			
											a4b7(nM)	a4b1(nM) (efficacy%)	Selectivity (fold)	cell adhesion assay(a4b7)(nM)
SAMPLE-1	71	Ac-C	N-Me-R	S	D	T	L	C	G	E	N-Me-K-NH2	74	1914(66)	26	959
SAMPLE-2	71	(Ac-C	N-Me-R	S	D	T	L	C	G	E	N-Me-K)2-DIG	0.92	697(90)	757	78
SAMPLE-3	49	H-C	N-Me-R	S	D	T	L	C	G	E-NH2		36	2405(84)	66	2012
SAMPLE-4	49	DIG)C	N-Me-R	S	D	T	L	C	G	E-NH2)2		3.9	1332(90)	341	386, 690
SAMPLE-5	49	PEG4)C	N-Me-R	S	D	T	L	C	G	E-NH2)2		1.2	1105(86)	920	64
SAMPLE-6	63	Ac-C	N-Me-R	S	D	T	L	C	N-Me-K-NH2			107	3732(51)	34	1951
SAMPLE-7	63	(Ac-C	N-Me-R	S	D	T	L	C	N-Me-K)2-DIG			3.6	1781(63)	494	204
SAMPLE-8	59	Ac-C	N-Me-R	S	D	T	L	C	Dap-NH2			19	2658(90)	139	1129
SAMPLE-9	59	(Ac-C	N-Me-R	S	D	T	L	C	Dap)2-DIG			4.3	1971(91)	455	152
SAMPLE-10	61	Ac-C	N-Me-R	S	D	T	L	C	Dab-NH2			103	4547(66)	44	4547
SAMPLE-11	61	(Ac-C	N-Me-R	S	D	T	L	C	Dab)2-DIG			2.8	1927(65)	688	771
SAMPLE-12	63	Ac-C	N-Me-R	S	D	T	L	C	N-Me-K-NH2			107	3732(51)	34	1951
SAMPLE-13	63	(Ac-C	N-Me-R	S	D	T	L	C	N-Me-K)2-DIG			3.6	1781(63)	494	204
SAMPLE-14	65	Ac-C	N-Me-R	S	D	T	L	C	k-NH2			60	7471(79)	124	1370
SAMPLE-15	65	(Ac-C	N-Me-R	S	D	T	L	C	k)2-DIG			3	1589(65)	529	56
SAMPLE-16	66	H-C	N-Me-R	S	D	T	L	C-NH2				40	1066(68)	26	1038
SAMPLE-17	66	DIG)C	N-Me-R	S	D	T	L	C-NH2)2				3	819(68)	273	157
SAMPLE-18	66	PEG4)C	N-Me-R	S	D	T	L	C-NH2)2				1.4	1046(70)	747	56
SAMPLE-19	66	PEG3)C	N-Me-R	S	D	T	L	C-NH2)2				3	1804(57)	601	47
SAMPLE-20	63	Ac-C	N-Me-R	S	D	T	L	Pen	k-NH2			87	1613(87)	18	1350
SAMPLE-21	63	(Ac-C	N-Me-R	S	D	T	L	Pen	k)2-DIG			8	706(91)	87	275

FIG. 4