A	N terminus Modification	Symbol	AA	1-9mg	10-19mg
A00	{H-},Free amino group	H	0	0	0
A01	{Ac},Acetylation	Ac	1	0	0
A02-BrC2	{Br-Ac},Bromoacetyl	Br'Ac	1	8400	10000.00
A02-BrC3	{Bromopropionyl}	Br'Prp	1	8400	10000.00
A02-ClC2	{Cl-Ac},Chloroacetyl	Cl'Ac	1	8400	10000.00
A03	{Fmoc},9-Fluorenylmethyloxycarbonyl	Fmoc	0	0	0.00
A04	{Z},{CBZ},Benzyloxycarbonyl	CBZ	1	0	0.00
A04-Me	MeOCO	MeOCO	1	Enquire	Enquire
A05	Bz	Bz	1	0	0.00
A05-5A2N	Bz(5'NH2,2'NO2)	Bz(5'NH2,2'NO	0	40000	45000.00
A05-F	Bz(4'F)	Bz(4'F)	1	5000	6000.00
A05-NO2	Bz(4'NO2)	Bz(4'NO2)		5000	6000.00
A06	{Boc},tertbutoxycarbonyl	Boc	0	19000	20000.00
A07-4C	{Suc},succinyl	Suc	1	2200	2400.00
A07-4C-OME	{MeO-Suc}	MeOSuc	1	5000	6000.00
A07-8C	Sebacic acid	SA	1	2200	2400.00
A08	{Allyl},allyl	Allyl	1	19000	20000.00
A09	{Acryl},acryl	Acryl	1	19000	20000.00
A10	{Alloc},allyloxycarbonyl	Alloc	1	19000	20000.00
A11	{For}, Formylation	For	1	5000	6000.00
A12	{HPP},4-Hydroxyphenylpropionic acid	Hpp	1	5000	6000.00
A13	{pGlu},{Pyr},Pyroglutamyl	Pyr	1	3400	3800.00
A14	{LA}, Lipoic acid	La-	1	5000	6000.00
A15-C3	{Mpa},3-Mercaptopropyl	Mpa-	1	5000	6000.00
A15-C6	{6-mercaptohexanoic acid}	Mha-	1	19000	20000.00
A16-C3	{Mal}, Maleimide, Maleoyl-β-Ala	Mal-	1	66000	72000.00
A16-C6	Mal-Acp	Mal-Acp-	1	66000	72000.00
A16-PEG12	Mal-PEG12	Mal-PEG12	1	66000	72000.00
A17	{MTX}, Methotrexate	Mtx-	0	19000	20000.00
A18	{PEG1900}, PEG1900-NH-	PEG1900-	0	19000	20000.00
A19-2K-NH2	{NH2-PEG2000}, NH2-PEG2000-NH-	NH2-PEG2000-	0	19000	20000.00
A19-2K-OMe	{mPEG2000}, MeO-PEG2000-NH-	mPEG2000	0	19000	20000.00
A19-3K-OMe	{mPEG3000}, MeO-PEG3000-NH-	mPEG3000	0	19000	20000.00
A19-5K-OMe	{mPEG5000}, MeO-PEG5000-NH-	mPEG5000	0	19000	20000.00
A20	{SATA}, S-acetylthioacetate	SATA	0	19000	20000.00
A21	{SATP}, S-acetylthiopropionate	SATP	0	19000	20000.00
A22	{Cholesteryl-}, Cholesteryl chloroformate	Cholesteryl-	0	19000	20000.00
A23F	{Glucose-}	Glucose-	0	35000	36600.00
A23G	{Fructose-}	Fructose-	0	35000	36600.00
A24	Pyridin-1-yl-Acetyl-	Pyridin-Ac-	0	40000	45000.00
A25	4-Dimethylamino-Pyridin-1-yl-	4-DiMe-Pyridin-	0	40000	45000.00
A26	Adamantanecarbonyl-	Ad-	0	40000	45000.00
A27	Phenylacetic acid	PhAc-	0	40000	45000.00
A28	4-Biphenyl sulfonyl-	BiPh-SO2-	0	40000	45000.00
A29	Nitrilotriacetyl-	NiTriAc-	0	40000	45000.00
A30	N-Propargylglycine-	Propargyl-Gly-	0	40000	45000.00
A31	HYNIC-	HYNIC-	0	40000	45000.00
A32	Morpholine-4-carbonyl-	Morpholine-4-carbonyl-	0	40000	45000.00
A34-PEG12	Azido-PEG12-	Azido-PEG12-	0	Enquire	Enquire
A34-PEG4	Azido-PEG4-	Azido-PEG4-	0	Enquire	Enquire
A35	GAC-	GAC-	0	Enquire	Enquire

A36	{Aoa}	{Aoa}	0	Enquire	Enquire
A37-C2	N3-Gly	N3-Gly	0	Enquire	Enquire
A37-C6	N3-Acp	N3-Acp	0	Enquire	Enquire
A38	Psoralen	Psoralen	0	Enquire	Enquire
A39	Methacryl-	Methacryl-	0	Enquire	Enquire
A40	BPA-	BPA-	0	Enquire	Enquire
A41	DTPA-	DTPA-	0	Enquire	Enquire
A42	foscarnet	foscarnet	0	Enquire	Enquire
A43	Tos	Tos	0	Enquire	Enquire
B	N terminus Fatylation	Symbol	AA	1-9mg	10-19mg
B01	{But}, Butyric acid C4	But-	1	8400	10000.00
B01-Iso	{Iba}, isobutyric acid C4	Iba-	1	26600	28400.00
B02	{Hex}, Hexanoic acid C6	Hex-	1	8400	10000.00
B02=	6-heptenoic acid C6	6-heptenoic acid	1	8400	10000.00
B03	{Oct}, Octanoic acid C8	Oct-	1	8400	10000.00
B03F	{F-Oct}, Perfluoro Octanoic acid F15C8	F-Oct-	1	26600	28400.00
B04	{Dec}, Decanoic acid C10	Dec-	1	8400	10000.00
B04F	{F-Dec}, Perfluoro Decanoic acid	F-Dec-	1	26600	28400.00
B05	{Lau}, Lauric acid C12	Lau-	1	8400	10000.00
B05F	{F-Lau}, Perfluoro Lauric acid F23C12	F-Lau-	1	26600	28400.00
B06	{Myr}, Myristic acid C14	Myr-	1	8400	10000.00
B06F	{F-Myr}, Perfluoro Myristic acid F27C14	F-Myr-	1	26600	28400.00
B07	{Pal}, Palmitic acid C16	Pal-	1	8400	10000.00
B08	{Ste}, Stearic acid C18	Ste-	1	8400	10000.00
B09	Oleic Acid-	Oleic Acid-	1	26600	28400.00
B10	{Pam3C}, Tripalmitoyl cysteine, {Pal-	Pam3C-	1	53200	56800.00
B11	Linoleic-	Linoleic-	1	26600	28400.00
C	C terminus Modification	Symbol	AA	1-9mg	10-19mg
C00	{-OH}, free acid group	-OH	1	0	0.00
C01	{NH2}, Amidation	-NH2	1	0	0.00
C02	{-CHO}, peptide aldehydes	-CHO	1	76600	83400.00
C03	{-ol}, alcohol peptide	-ol	1	35000	36600.00
C04	{CMK}, chloromethylketone	-CMK	1	76600	83400.00
C05	{FMK}, Fluoromethylketone	FMK	1	76600	83400.00
C06	{Cya}, Cysteamide	-Cya	1	35000	36600.00
C07	{pNA},p-nitroaniline	-pNA	1	26600	28400.00
C08	{-ONP}, para-nitrophenol	-ONP	1	35000	36600.00
C09	{AMC},7-Amino-4-methylcoumarin	-AMC	1	35000	36600.00
C10	{AFC}	-AFC	1	45000	48000.00
C11	-OMe (C-terminal)	-Ome	1	16600	20000.00
C12	-OEt (C-terminal)	-Oet	1	16600	20000.00
C13	-OBzl (C-terminal)	-Obzl	1	16600	20000.00
C14	-OtBu (C-terminal)	-OtBu	1	35000	36600.00
C15	{-OSu}, hydroxysucinimide ester	-OSu	1	76600	83400.00
C16	-NHMe (C-terminal)	-NHMe	1	26600	28400.00
C17	-NHEt (C-terminal)	-NHEt	1	26600	28400.00
C18	-NHisopen (C-terminal)	-NHisopen	1	40000	45000.00
C19	-NH(CH2)6 (C-terminal)	-NH(CH2)6	1	40000	45000.00
C20	-NHPh (C-terminal)	-NHPh	1	26600	28400.00
C21	{NHEt(O)EtNH-Fmoc}, 2,2'-Oxydi Ethanamine-Fmoc	-NHEt(O)EtNH-	1	35000	36600.00
C22	{NHEt(EtNH-Myr)2}		1	40000	45000.00
C23	-NH(OMe)Me (C-terminal)	-NH(Ome)Me	1	40000	45000.00

C24	-TBzl (C-terminal)	-TBzl	1	35000	36600.00
C25	-NHNH2 (C-terminal)	-NHNH2	1	26600	28400.00
C26	-ED (C-terminal), -NH-CH2CH2-NH2	-ED	1	26600	28400.00
C27	-BD (C-terminal), -NH-CH2CH2CH2CH2-	-BD	1	26600	28400.00
C28	-Pyrenemethylamine		0	Enquire	Enquire
C29	chloro-4-hydroxyanilide		0	Enquire	Enquire
C30	4-amino-2-Chlorophenol		0	Enquire	Enquire
C31	-octyl ester		0	Enquire	Enquire
C32	-ED-Fmoc		0	Enquire	Enquire
C33	-2-CAP		0	Enquire	Enquire
C34	Histamine		0	Enquire	Enquire
C35	-3-carboxyl-pNA		0	Enquire	Enquire
D	D form normal amino acid	Symbol	AA	1-	10-19mg
D01	{D-Ala}		1	3400	3800.00
D02	{D-Arg}		1	8400	10000.00
D03	{D-Asp}		1	5000	6000.00
D04	{D-Asn}		1	5000	6000.00
D05	{D-Cys}		1	5000	6000.00
D06	{D-Glu}		1	5000	6000.00
D07	{D-Gln}		1	6000	8000.00
D08	{D-His}		1	5000	6000.00
D09	{D-Allo-Ile}		1	6000	8000.00
D10	{D-Leu}		1	3400	3800.00
D11	{D-Lys}		1	5000	6000.00
D12	{D-Met}		1	3400	3800.00
D13	{D-Pro}		1	3400	3800.00
D14	{D-Phe}		1	3400	3800.00
D15	{D-Ser}		1	5000	6000.00
D16	{D-Tyr}		1	5000	6000.00
D17	{D-Thr}		1	5000	6000.00
D18	{D-Trp}		1	8400	10000.00
D19	{D-Val}		1	3400	3800.00
E	Unusual amino acid	Symbol	AA	1-	10-19mg
E01	{Beta-Asp}		1	5000	6000.00
E02	{D-Beta-Asp}		1	6000	8000.00
E03	{Gamma-Glu}		1	5000	6000.00
E04	{D-Gamma-Glu}		1	6000	8000.00
E05	{Cys(Cam)}		1	20000	24000.00
E06	{Cys(Acm)}		1	5000	6000.00
E07	{Cys(tBu)}		1	5000	6000.00
E08	{Met(O)}		1	6000	8000.00
E09	{D-Met(O)}		1	8000	10000.00
E10	{Met(O)2}		1	6000	8000.00
E11	{D-Met(O)2}		1	8000	10000.00
E12	{Lys(Ac)}		1	5000	6000.00
E13	{Ac-Lys}		1	6000	8000.00
E14	{Lys(Dde)}		1	24000	28000.00
E15	{Tle}		1	6000	8000.00
E16	{Ser(octanoic acid)}		1	37000	40000.00
E16-Lipoic	{Ser(Lipoic acid)}		1	37000	40000.00
E17	{D-Ser(octanoic acid)}		1	37000	40000.00
E18	{Aib}		1	5000	6000.00
E19	{Abu}		1	5000	6000.00

E20	{D-Abu}		1	5000	6000.00
E21	{Hyp}		1	3400	3800.00
E22	{Phg}		1	3400	3800.00
E23	{D-Phg}		1	3400	3800.00
E24	{Nva}		1	5000	6000.00
E25	{D-Nva}		1	5000	6000.00
E26	{Nle}		1	5000	6000.00
E27	{D-Nle}		1	5000	6000.00
E28	{Cit}		1	5000	6000.00
E29	{D-Cit}		1	6000	8000.00
E30	{Orn}		1	5000	6000.00
E31	{D-Orn}		1	6000	8000.00
E32	{Pen}		1	10000	12000.00
E33	{D-Pen}		1	5000	6000.00
E34	{Cpg}, cyclopentylglycine		1	6000	8000.00
E35	{Cha}		1	5000	6000.00
E36	{D-Cha}		1	5000	6000.00
E37	{Chg}		1	5000	6000.00
E38	{D-Chg}		1	5000	6000.00
E39	{Dab}		1	10000	12000.00
E40	{Dap}		1	10000	12000.00
E41	{Pra}		1	6000	8000.00
E42	{D-Pra}		1	6000	8000.00
E43	{Gly(allyl)}		1	6000	8000.00
E44	{D-Gly(allyl)}		1	6000	8000.00
E45	{D-1-Nal}		1	5000	6000.00
E46	{L-1-Nal}		1	5000	6000.00
E47	{D-2-Nal}		1	5000	6000.00
E48	{L-2-Nal}		1	5000	6000.00
E49	{D-2-Pal}		1	5000	6000.00
E50	{L-2-Pal}		1	5000	6000.00
E51	{D-3-Pal}		1	5000	6000.00
E52	{L-3-Pal}		1	5000	6000.00
E53	{D-4-Pal}		1	5000	6000.00
E54	{L-4-Pal}		1	5000	6000.00
E55	{Cys(pMeBzl)}		1	5000	6000.00
E56	{Cys(pMeOBzl)}		1	5000	6000.00
E57	{Oic}		1	6000	8000.00
E58	{Tic}		1	6000	8000.00
E59	{Cys(Bzl)}		1	5000	6000.00
E60	{Epsilon-Lys}		1	5000	6000.00
E61	{D-Epsilon-Lys}		1	6000	8000.00
E62	{5-ASA}		1	19000	20000.00
E63	{Bpa}		1	19000	20000.00
E64	{Pip}		1	6000	8000.00
E65	{Nip}		1	8000	10000.00
E66	{2-Aze}		1	8000	10000.00
E67	{3-Aze}		1	10000	12000.00
E68	[Psi(CH2NH)]		1	130000	#########
E69	[CS-NH]		1	130000	#########
E70	{Se-Met}		0	Enquire	Enquire
E71	{Se-Cys}		0	Enquire	Enquire
E72	{DOPA}		0	Enquire	Enquire

E73	{isoGln}		1	10000	12000.00
E74	{D-isoGln}		1	16000	17000.00
E75	Cys(Mal-PEG2000)		1	65000	70000.00
E76	{Ser(O-β-D-Glc)}		1	130000	#########
E77	{Thr(O-β-D-Glc)}		1	130000	#########
E78	{Tyr(O-β-D-Glc)}		1	130000	#########
E79	{Rink Linker}		0	Enquire	Enquire
E80	{Thr(OAc)}		0	Enquire	Enquire
E81	{Delta-Orn}		0	Enquire	Enquire
E82	{5,5-Dime-Pro}		0	Enquire	Enquire
E83	{Gla}		0	Enquire	Enquire
E84	{Kep}		0	Enquire	Enquire
E85	{Tyr(SO3H2)}		0	Enquire	Enquire
E86	{Phe(N3)}		0	Enquire	Enquire
E87	DMT		0	Enquire	Enquire
E88	2-(4'-pentenyl)ala		0	Enquire	Enquire
E90	{X}, 20 Kinds mixture amino acids		1	5000	6000.00
E90-deCys	{X-deCys}		1	5000	6000.00
E91-10AA	{G/A/S/V/L/D/K/M/F/Y}		1	5000	6000.00
E91-9AA	{A/P/T/N/Q/E/H/R/W}		1	5000	6000.00
E92-K75	{K(75)X(25)}		1	5000	6000.00
E92-R25K25	{R(25)K(25)X(50)}		1	5000	6000.00
E92-E25D25	{E(25)D(25)X(50)}		1	5000	6000.00
E92-K25Q25	{K(25)Q(25)X(50)}		1	5000	6000.00
E92-E25T25	{E(25)T(25)X(50)}		1	5000	6000.00
F	Fluorescence/Dye Labeling	Symbol	AA	1-	10-
F01	Biotin (N-Terminal)		0	5000	6000.00
F01DeThio	DeThioBiotin		0	Enquire	Enquire
F01ED	EDBiotin (C terminus)		1	40000	44000.00
F01K	Lys(Biotin) (middle)		1	32000	34000.00
F01KC	Lys(Biotin) (C temrinus)		1	32000	34000.00
F01KN	Lys(Biotin) (N terminus)		1	16000	17000.00
F01L	Biotin-LC (N-Terminal)		0	5000	6000.00
F01KL	Lys(LC-Biotin) (middle)		2	38400	40800.00
F01KLC	Lys(LC-Biotin) (C terminus)		2	38400	40800.00
F01O	Orn(Bio)		2	38400	40800.00
F01PEG3	-NH-PEG3-Bio		2	38400	40800.00
F01SS	Biotin-S-S-		0	Enquire	Enquire
F02	FITC (N-Terminal)		0	19000	20000.00
F02ED	EDFITC (C temrinus)		1	48000	52800.00
F02K	Lys(FITC) (middle)		1	40000	44000.00
F02KC	Lys(FITC) (C temrinus)		1	40000	44000.00
F02KN	Lys(FITC) (N terminus)		1	20000	22000.00
F02L	FITC-LC (N-Terminal)		0	19000	20000.00
F03	5-FAM (N-Terminal)		0	19000	20000.00
F03-6	6'FAM (N-Terminal)		0	19000	20000.00
F03ED	ED5-FAM (C temrinus)		1	48000	52800.00
F03K	Lys(5-FAM) (middle)		1	40000	44000.00
F03K-5,6	Lys(5,6-FAM)		1	40000	44000.00
F03KC	Lys(5-FAM) (C temrinus)		1	40000	44000.00
F03KN	Lys(5-FAM) (N-Terminus)		1	20000	22000.00
F03L	5-FAM-LC (N-Terminal)		0	19000	20000.00
F04	Dansyl (N-Terminal)		0	19000	20000.00

F04ED	EDDansyl (C temrinus)		1	48000	52800.00
F04K	Lys(Dansyl) (middle)		1	40000	44000.00
F04KC	Lys(Dansyl) (C temrinus)		1	40000	44000.00
F04KN	Lys(Dansyl) (N-Terminus)		1	20000	22000.00
F04L	Dansyl-LC (N-Terminal)		0	19000	20000.00
F05	TAMRA (N-Terminal)		0	38000	40000.00
F05(6)	5(6)-TAMTA-		0	38000	40000.00
F05ED	EDTAMRA (C temrinus)		1	78000	84000.00
F05K	Lys(TAMRA) (middle)		1	65000	70000.00
F05KC	Lys(TAMRA) (C temrinus)		1	65000	70000.00
F05KN	Lys(TAMRA) (N-terminus)		1	33000	35000.00
F05L	TAMRA-LC (N-Terminal)		0	38000	40000.00
F06	Lys(Dnp) (middle)		1	16000	18000.00
F06D	D-Lys(Dnp) (middle)		1	32000	36000.00
F06Dab	Dab(Dnp) (middle)		1	32000	36000.00
F06Dap	Dap(Dnp) (middle)		1	32000	36000.00
F06ED	EDDnp (C terminus)		1	48000	52800.00
F07	MCA (N-Terminal)		0	19000	20000.00
F07K	Lys(MCA) (middle)		1	65000	70000.00
F07KC	Lys(MCA) (C temrinus)		1	65000	70000.00
F07KN	Lys(MCA) (N-terminus)		1	33000	35000.00
F08	3-Indolylacetic acid (N-Terminal)		0	5000	6000.00
F09	Cys(Npys) (N-terminus)		1	16000	18000.00
F10	PyBA- (N-Terminal), 1-pyrenebutyric acid		0	19000	20000.00
F10K	Lys(PyBA)		1	33000	35000.00
F11	Fa- (N-Terminal), 3-[2-2furyl]acrylic acid		0	19000	20000.00
F12	Rhodamine B- (N-Terminal)		0	19000	20000.00
F13	D-Luciferin (N-terminus)		1	70000	80000.00
F14	Cy3- (N-Terminal)		0	350000	#########
F15	NBD		0	200000	#########
G	Phe/Tyr Analogs amino acid		AA	1-9mg	10-19mg
G01	{D-2-Cl-Phe}		1	6000	8000.00
G02	{L-2-Cl-Phe}		1	6000	8000.00
G03	{D-3-Cl-Phe}		1	6000	8000.00
G04	{L-3-Cl-Phe}		1	6000	8000.00
G05	{D-4-Cl-Phe}		1	5000	6000.00
G06	{L-4-Cl-Phe}		1	5000	6000.00
G07	{D-3,4-DiCl-Phe}		1	8000	10000.00
G08	{L-3,4-DiCl-Phe}		1	8000	10000.00
G09	{D-4-Br-Phe}		1	5000	6000.00
G10	{L-4-Br-Phe}		1	5000	6000.00
G11	{D-3-F-Phe}		1	6000	8000.00
G12	{L-3-F-Phe}		1	6000	8000.00
G13	{D-4-F-Phe}		1	5000	6000.00
G14	{L-4-F-Phe}		1	5000	6000.00
G15	{D-4-NO2-Phe}		1	5000	6000.00
G16	{L-4-NO2-Phe}		1	5000	6000.00
G17	{D-4-I-Phe}		1	5000	6000.00
G18	{L-4-I-Phe}		1	5000	6000.00
G19	{D-3-CN-Phe}		1	6000	8000.00
G20	{L-3-CN-Phe}		1	6000	8000.00
G21	{D-4-CN-Phe}		1	5000	6000.00
G22	{L-4-CN-Phe}		1	5000	6000.00

G23	{D-2-Me-Phe}		1	6000	8000.00
G24	{L-2-Me-Phe}		1	6000	8000.00
G25	{D-4-Me-Phe}		1	5000	6000.00
G26	{L-4-Me-Phe}		1	5000	6000.00
G27	{D-4-NH2-Phe}		1	8000	10000.00
G28	{L-4-NH2-Phe}		1	8000	10000.00
G29	{D-3-Cl-Tyr}		1	8000	10000.00
G30	{L-3-Cl-Tyr}		1	5000	6000.00
G31	{D-3,5-DiCl-Tyr}		1	8000	10000.00
G32	{L-3,5-DiCl-Tyr}		1	8000	10000.00
G33	{D-3,5-DiBr-Tyr}		1	8000	10000.00
G34	{L-3,5-DiBr-Tyr}		1	8000	10000.00
G35	{D-3-I-Tyr}		1	8000	10000.00
G36	{L-3-I-Tyr}		1	8000	10000.00
G37	{D-3,5-DiI-Tyr}		1	8000	10000.00
G38	{L-3,5-DiI-Tyr}		1	8000	10000.00
G39	{D-3-NO2-Tyr}		1	8000	10000.00
G40	{L-3-NO2-Tyr}		1	5000	6000.00
G41	{D-3,5-DiNO2-Tyr}		1	8000	10000.00
G42	{L-3,5-DiNO2-Tyr}		1	8000	10000.00
G43	{L-3-F-Tyr}		1	8000	10000.00
G44	{L-4-NO2-Phg}		1	24000	30000.00
G45	{D-4-NO2-Phg}		1	24000	30000.00
H	Homo amino acid		AA	1-9mg	10-19mg
H01	{Har}, HomoArg		1	6000	8000.00
H02	{Hcy}, HomoCys		1	5000	6000.00
H03	{HPh}, HomoPhe		1	6000	8000.00
H04	{D-HPh}, D-HomoPhe		1	6000	8000.00
H05	{Hse}, HomoSer		1	5000	6000.00
H06	{D-Hse}, D-HomoSer		1	6000	8000.00
H07	{HomoCit}, HomoCit		1	6000	8000.00
H08	{D-HomoCit}, D-HomoCit		1	6000	8000.00
H09	{HomoLeu}, HomoLeu		1	6000	8000.00
H10	{HomoPro}, HomoPro		1	6000	8000.00
H11	{D-HomoPro}, D-HomoPro		1	6000	8000.00
H12	{beta-HomoIle}, beta-HomoIle		1	10000	12000.00
H13	{beta-HomoLeu}, beta-HomoLeu		1	10000	12000.00
H14	{beta-HomoMet}, beta-HomoMet		1	10000	12000.00
H15	{beta-HomoPro}, beta-HomoPro		1	10000	12000.00
H16	{beta-HomoVal}, beta-HomoVal		1	10000	12000.00
H17	{beta-HomoAsp}, beta-HomoAsp		1	20000	24000.00
H18	{beta-HomoAsn}, beta-HomoAsn		1	20000	24000.00
H19	{beta-HomoGlu}, beta-HomoGlu		1	20000	24000.00
H20	{beta-HomoGln}, beta-HomoGln		1	20000	24000.00
H21	{beta-HomoSer}, beta-HomoSer		1	20000	24000.00
H22	{beta-HomoThr}, beta-HomoThr		1	20000	24000.00
H23	{beta-HomoTrp}, beta-HomoTrp		1	20000	24000.00
H24	{beta-HomoTyr}, beta-HomoTyr		1	20000	24000.00
H25	{Azidohomoalanine}, Azidohomoalanine		1	20000	24000.00
H26	{beta-HomoAla}, beta-HomoAla		1	20000	24000.00
H27	{beta-HomoPhe}, beta-HomoPhe		1	20000	24000.00
H28	{beta-HomoLys}, beta-HomoLys		1	20000	24000.00
I	Isotope label		AA	1-	10-

I01	N15 Ala		1	16600	23400.00
I02	N15 Gly		1	16600	23400.00
I03	N15 Val		1	16600	23400.00
I04	N15 Pro		1	16600	23400.00
I05	N15 Leu		1	20000	26600.00
I06	N15 Ile		1	20000	26600.00
I07	N15 Phe		1	26600	36600.00
I08	N15 Asp		1	30000	40000.00
I09	N15 Thr		1	30000	40000.00
I10	N15 Glu		1	36600	50000.00
I11	N15 Lys		1	36600	50000.00
I12	N15 Tyr		1	36600	50000.00
I13	N15 Arg		1	66600	93400.00
I14	N15 Gln		1	66600	93400.00
I17	{Phe (Ring-D5)}		0	Enquire	Enquire
I99	{Others}		0	Enquire	Enquire
IC-Ala	{13C Ala}		0	Enquire	Enquire
IC-Ala18O	{13C,18O Ala}		0	Enquire	Enquire
IC-Leu	{13C Leu}		0	Enquire	Enquire
IC-Val	{13C Val}		0	Enquire	Enquire
IFC-Ala	{13C3 Ala}		0	Enquire	Enquire
IFC-Ala15N	{13C3 15N Ala}		0	Enquire	Enquire
IFC-Gly15N	{13C2 15N Gly}		0	Enquire	Enquire
IFC-Ile15N	{13C6 15N Ile}		0	Enquire	Enquire
IFC-Leu	{13C9 Phe}		0	Enquire	Enquire
IFC-Leu15N	{13C6 15N Leu}		0	Enquire	Enquire
IFC-Pro	{13C5 Pro}		0	Enquire	Enquire
IFC-Pro15N	{13C5 15N Pro}		0	Enquire	Enquire
IFC-Val15N	{13C5 15N Val}		0	Enquire	Enquire
IFD-Ala	{D3 Ala}		0	Enquire	Enquire
IFD-Leu	{D10 Leu}		0	Enquire	Enquire
IFD-Trp	{D8 Trp}		0	Enquire	Enquire
J	Quenched fluorescent peptide		AA	1-9mg	10-19mg
J2	Abz		0	5000	6000.00
J3	Tyr (3-NO2)		1	5000	6000.00
J4	Glu(EDANS)-NH2		1	31000	32000.00
J5	DABCYL		0	28000	30000.00
J6	Lys(DABCYL)		1	56000	60000.00
J7	Lys(Abz)		1	56000	60000.00
K	MAPS and Carrier Complex		AA	1-9mg	10-
K01	Symmetric 2 Branches (Pure)		0	26600	30000.00
K01-Orn	Orn Symmetric 2 Branches (Pure)		0	31920	36000.00
K02	Symmetric 4 Branches (Crude)		0	26600	30000.00
K02-Orn	Orn Symmetric 4 Branches (Crude)		0	31920	36000.00
K03	Symmetric 8 Branches (Crude)		0	26600	30000.00
K03-Orn	Orn Symmetric 8 Branches (Crude)		0	31920	36000.00
K04	Glu 2 Branches (N temrinus)		0	40000	45000.00
K05	Glycerol 3 branches (C terminus)		0	40000	45000.00
K06	n-mer Branch peptide on Lys side chain		1+1.5n	53400	56600.00
K07	n-mer Branch peptide on Thr side chain		1+1.5n	64080	67920.00
K08	n-mer Branch peptide on Ser side chain		1+1.5n	64080	67920.00
K09-Ac-Cys	Lys(Ac-Cys)		1	40000	44000.00
K09-Ala	Lys(Ala)		1	40000	44000.00

K09-Arg	Lys(Arg)		1	40000	44000.00
K09-Asp	Lys(Asp)		1	40000	44000.00
K09-Cys	Lys(Cys)		1	40000	44000.00
K09-Glu	Lys(Glu)		1	40000	44000.00
K09-Leu	Lys(Leu)		1	40000	44000.00
K09-Met	Lys(Met)-		1	40000	44000.00
K09-Phe	Lys(Phe)-		1	40000	44000.00
K09-Thioac	Lys(Thioacetyl)		1	40000	44000.00
K09-Val	Lys(Val)		1	40000	44000.00
K09-bAsp	Lys(Beta-Asp)		1	40000	44000.00
K09-rGlu	Lys(Gama-Glu)		1	40000	44000.00
K10-Choles	Lys(Cholesteryl)		1	40000	44000.00
K10-LA	Lys(LA)		1	40000	44000.00
K10-MTX	Lys(MTX)		1	40000	44000.00
K10-Mal	Lys(Maleimide)		1	60000	66000.00
K10-Mpa	Lys(Mpa)		1	40000	44000.00
K10-Pra	Lys(Pra)		1	40000	44000.00
K10-Suc	Lys(Suc)		1	40000	44000.00
K10-pGlu	Lys(pGlu)		1	40000	44000.00
K11-For	Lys(For)		1	40000	44000.00
K11-Glu-P	Lys(Glu-Pal)		1	40000	44000.00
K11-Ma	Lys(Ma)		1	40000	44000.00
K11-Pal	Lys(Pal)		1	40000	44000.00
K11-rGlu-P	Lys(Gama-Glu-Pal)		1	74000	80000.00
K12-4-HBA	Lys(4-HBA)		1	40000	44000.00
K12-Acryli	Lys(Acrylic)		1	40000	44000.00
K12-Alkine	Lys(Alkine)		1	40000	44000.00
K12-Alloc	{Lys(Alloc)}		1	16000	18000.00
K12-Butano	{Lys(Butanoyl)}		1	16000	17000.00
K12-Cpa	Lys(cyclopropanecarboxyl)		1	40000	44000.00
K12-Croton	Lys(Crotonyl)		1	40000	44000.00
K12-DiI-HB	{Lys(3,5-diiodo-4-hydroxybenzoyl)}		1	40000	44000.00
K12-HMP	Lys(HMP)		1	40000	44000.00
K12-LC-SDA	{Lys(Ahx-Diazirine)}		1	40000	44000.00
K12-Methac	Lys(Methacryl)		1	16000	17000.00
K12-Propar	{Lys(propargyl)}		1	16000	17000.00
K12-Propio	{Lys(propionyl)}		1	16000	17000.00
K12-Pyruvo	Lys(Pyruvoyl)		1	16000	17000.00
K12-hydrox	Lys(2-hydroxyisobutyryl)		1	40000	44000.00
K12-methyl	Lys(methylmalony)		1	40000	44000.00
K13	Lys(HYNIC)		1	40000	44000.00
K21	BSA-Peptide N terminus		0	33400	33400.00
K21C	BSA-Peptide C terminus		0	33400	33400.00
K21Cys	BSA-Peptide Cys		0	36600	40000.00
K22	KLH-Peptide N terminus		0	33400	36600.00
K22C	KLH-Peptide C terminus		0	33400	36600.00
K22Cys	KLH-Peptide Cys		0	33400	36600.00
K23	OVA-Peptide N terminus		0	33400	36600.00
K23C	OVA-Peptide C terminus		0	33400	36600.00
K23Cys	OVA-Peptide Cys		0	33400	36600.00
L	Atom Linker		AA	1-	10-
L01	{Gly}, 2 atoms		1	0	0.00
L02	{Beta-Ala}, 3 atoms		1	0	0.00

L03	{GABA}, 4 atoms		1	0	0.00
L04	{Ava}, 5 atoms		1	6000	7000.00
L05	{Ahx}, 6 atoms		1	0	0.00
L06	{8-Aoc}		1	12000	14000.00
L07	{AEA},aminoethoxyacetic acid		1	30000	35000.00
L08	{Mini-PEG}, AEEA 9 atoms		1	6000	7000.00
L09	{Mini-PEG2}, AEEEP 13 atoms		1	9000	11000.00
L10	{Mini-PEG3},AEEEEP 16 atoms		1	12000	14000.00
L11	{PEG4}		1	30000	35000.00
L12	{PEG6}		1	30000	35000.00
L13	{PEG8}		1	30000	35000.00
L14	{PEG11}		1	30000	35000.00
L15	{PEG-12}		1	30000	35000.00
L16	{Ado}		1	30000	35000.00
L17	{ANP Linker}		1	30000	35000.00
L18	{PEG5}		0	Enquire	Enquire
M	Methyl amino acids		AA	1-9mg	10-
M01	{Arg(Me)}		1	48000	54000.00
M02	{ADMA},{Arg(Me)2} asymmetrical		1	48000	54000.00
M03	{SDMA},{Arg(Me)2} symmetrical		1	64000	72000.00
M04	{Tyr(Me)}		1	6000	8000.00
M05	{Thr(Me)}		1	6000	8000.00
M06	{Ser(Me)}		1	6000	8000.00
M07	{Cys(Me)}, SMC		1	5000	6000.00
M08	{Lys(Me)}		1	32000	36000.00
M09	{Lys(Me2)}		1	16000	18000.00
M10	{Lys(Me3)}		1	32000	36000.00
M11	{L-2-Me-Trp}		1	38000	44000.00
M12	{D-2-Me-Trp}		1	38000	44000.00
M13	{Tyr(Et)}		1	16000	18000.00
M14	{D-Tyr(Et)}		1	16000	18000.00
M15	{Orn(Me)3}		1	48000	54000.00
M16	{L-1-Me-Trp}		1	64000	72000.00
N	N-Methyl amino acid		AA	1-	10-19mg
N01	{N-Me-Ala}		1	26000	28000.00
N02	{N-Me-Phe}		1	26000	28000.00
N03	{N-Me-Leu}		1	26000	28000.00
N04	{N-Me-Ile}		1	26000	28000.00
N05	{N-Me-Val}		1	26000	28000.00
N06	{N-Me-Met}		1	26000	28000.00
N07	{N-Me-Nle}		1	26000	28000.00
N08	{N-Me-Nva}		1	26000	28000.00
N09	{N-Me-Gly}, Sar		1	3400	3800.00
N10	{N-Me-Ser}		1	52000	56000.00
N11	{N-Me-Tyr}		1	52000	56000.00
N12	{N-Me-Thr}		1	52000	56000.00
N13	{N-Me-Asp}		1	52000	56000.00
N14	{N-Me-Glu}		1	52000	56000.00
O	Cyclic peptide		AA	1-	10-19mg
O01	Mono Disulfide bridge		0	26600	30000.00
O02	Double Disulfide bridge		0	88400	96600.00
O03	Triple Disulfide bridge		0	355000	#########
O04	Random Triple Disulfide bridge		0	53200	60000.00

005	Same Seq. Inter-Disulfide bridge		0	26600	30000.00
006	Different Inter-Disulfide bridge		0	53400	60000.00
007	Amide cyclic (end)		0	93400	#########
008	Amide cyclic (Side chain)		0	106600	#########
008-Orn	Orn side chain Amide cyclic		0	106600	#########
009	Thioester cyclic		0	88400	96600.00
010	Lactone cyclic		0	88400	96600.00
P	Phosphorylation		AA	1-	10-
P01	{pSer}		1	16000	18000.00
P02	{pTyr}		1	16000	18000.00
P03	{pThr}		1	16000	18000.00
P04	{D-pSer}		1	48000	54000.00
P05	{D-pTyr}		1	48000	54000.00
P06	{D-pThr}		1	48000	54000.00
P07	Di-sites in sequence		2	48000	54000.00
P08	Tri-sites in sequence		3	96000	#########
P09	4-sites in sequence		4	144000	#########
P10	5-sites in sequence		5	192000	#########
Q	Description		AA	1-	10-
Q01-Boc2	Arg(Boc2)		1.5	Enquire	Enquire
Q01-NO2	Arg(NO2)		1.5	Enquire	Enquire
Q01-pbf	Arg(pbf)		1.5	Enquire	Enquire
Q01D-pbf	D-Arg(pbf)		1.5	Enquire	Enquire
Q02-OAll	Asp(Oall)		1.5	Enquire	Enquire
Q02-OMe	Asp(OMe)		1.5	Enquire	Enquire
Q02-OtBu	Asp(OtBu)		1.5	Enquire	Enquire
Q02-b-OtBu	Asp-OtBu		1.5	Enquire	Enquire
Q03-Trt	Asn(Trt)		1.5	Enquire	Enquire
Q04-Trt	Cys(Trt)		1.5	Enquire	Enquire
Q04D-Trt	D-Cys(Trt)		1.5	Enquire	Enquire
Q05-OAll	Glu(Oall)		1.5	Enquire	Enquire
Q05-OBzl	Glu(OBzl)		1.5	Enquire	Enquire
Q05-OMe	Glu(OMe)		1.5	Enquire	Enquire
Q05-OtBu	Glu(OtBu)		1.5	Enquire	Enquire
Q05D-OtBu	D-Glu(OtBu)		1.5	Enquire	Enquire
Q06-Trt	Gln(Trt)		1.5	Enquire	Enquire
Q07-Boc	His(Boc)		1.5	Enquire	Enquire
Q07-Trt	His(Trt)		1.5	Enquire	Enquire
Q08-Boc	Lys(Boc)		1.5	Enquire	Enquire
Q08-DMT	Lys(DMT)		1.5	Enquire	Enquire
Q08-Fmoc	Lys(Fmoc)		1.5	Enquire	Enquire
Q08-Mtt	Lys(Mtt)		1.5	Enquire	Enquire
Q08-Trt	Lys(Trt)		1.5	Enquire	Enquire
Q08-Z	{Lys(Z)}		1.5	Enquire	Enquire
Q09-Trt	Ser(Trt)		1.5	Enquire	Enquire
Q09-tBu	Ser(tBu)		1.5	Enquire	Enquire
Q10-Propag	Tyr(propargyl)		1.5	Enquire	Enquire
Q10-tBu	Tyr(tBu)		1.5	Enquire	Enquire
Q10D-tBu	D-Tyr(tBu)		1.5	Enquire	Enquire
Q11-tBu	Thr(tBu)		1.5	Enquire	Enquire
Q12-Boc	Trp(Boc)		1.5	Enquire	Enquire
Q13	Wang Resin		1.5	Enquire	Enquire
Q14	2-CTC Resin		1.5	Enquire	Enquire

Q15	Rink Amide AM Resin		1.5	Enquire	Enquire
Q16	Rink Amide MBHA Resin		1.5	Enquire	Enquire
Q18	{Map(Trt)}		1.5	Enquire	Enquire
Q19	Hyp(tBu)		1.5	Enquire	Enquire
Q20	{Orn(2-Cl-Z)}		1.5	Enquire	Enquire
Q22	{Ser(ΨMe,MePro)}		1	Enquire	Enquire
Q23	{Thr(ΨMe,MePro)}		1	Enquire	Enquire
QA	GMP Clean Room Process		0	110000	同左
QB	Aliquoting		0	200	同左
QC	Amino Acid Analysis (AAA)		0	16600	同左
QD	N elemental Analysis		0	20000	同左
QE	Solubility test		0	3000	同左
QF	Microbial analysis		0	50000	同左
QG	Water content (Karl Fischer)		0	16600	同左
QH	Acetate Content (HIPC)		0	16600	同左
QI	Maldi-Tof MS		0	6600	同左
QJ	Endotoxin analysis		0	66600	同左
QK1	Switch AcOH salt		0	Enquire	Enquire
QK2	Switch HCl salt		0	Enquire	Enquire
QL	Free thiol group test		0	20000	同左