

## Peptide Modifications

Version 3.2, Revision 2011-08-18

### N-Terminal Modifications

Acetylation (N-Terminal)  
Biotin (N-Terminal)  
Biotin-Ahx (N-Terminal)  
Abz (N-Terminal)  
Cbz (Benzyloxycarbonylation) (N-Terminal)  
Dansyl (N-Terminal)  
Dansyl-Ahx (N-Terminal)  
DTPA (N-Terminal)  
5-FAM (N-Terminal)  
5-FAM-Ahx (N-Terminal)  
FITC-Ahx (N-Terminal)  
TAMRA (N-Terminal)  
Fatty Acid (N-Terminal)  
Fmoc (N-Terminal)  
Formylation (N-Terminal)  
His-Tag (N-Terminal)  
HYNIC (N-Terminal)  
MCA (N-Terminal)  
Myristoyl (N-Terminal)  
Mini-PEG (N-Terminal)  
Palmitoyl (N-Terminal)  
Suc (Succinylation) (N-Terminal)  
...and more

### C-Terminal Modifications

Amidation (C-Terminal)  
AMC (C-Terminal)  
Alcohol (C-Terminal)  
Bzl (C-Terminal)  
Cysteamide (C-Terminal)  
Ester (OEt) (C-Terminal)  
Ester (OMe) (C-Terminal)  
Et (C-Terminal)  
Biotin (Lys side chain, C-Terminal)  
Dinitrobenzylation (Lys side chain, C-Terminal)  
FITC (Lys side chain, C-Terminal)  
5-FAM (Lys side chain, C-Terminal)  
TAMRA (Lys side chain, C-Terminal)  
Me (C-Terminal)  
NH<sub>2</sub>Et (C-Terminal)  
NHMe (C-Terminal)  
OSu (C-Terminal)  
tBu (C-Terminal)  
TBzl (C-Terminal)  
MAPS Asymmetric 4 branches (C-Terminal)  
MAPS Asymmetric 8 branches (C-Terminal)  
...and more

### D-form Amino Acids

{d-ALA}, {d-ARG}, {d-ASN}, {d-ASP}, {d-CYS}, {d-GLU}, {d-GLN}, {d-HIS}, {d-Allo-ILE}, {d-ILE}, {d-LEU}, {d-LYS}, {d-MET}, {d-PHE}, {d-PRO}, {d-SER}, {d-THR}, {d-TRP}, {d-TYR}, {d-VAL}, {d-gamma-GLU}, {d-HCY}, {d-HPG}, {d-HSE}, {d-NLE}, {d-NVA}, {d-ORN}, {d-PEN}, {d-PHG}, {d-pGLU}

### **Special L-form Amino Acids**

{gamma-GLU}, {HCY}, {HPG}, {HSE}, {NLE}, {NVA}, {ORN}, {PEN}, {PHG}, {pGLU}

### **Other Modified Amino Acids**

{pTHR}  
{pSER}  
{pTYR}  
{Ac-LYS}  
{alpha-ABA}  
{iso-ASP}  
{CIT}  
{dnp-LYS}  
{2-Me-ALA}  
{nme-ALA}  
{nme-GLY}  
{nme-ILE}  
{nme-LEU}  
{nme-MET}  
{nme-PHE}  
{nme-SER}  
{nme-THR}  
{nme-TYR}  
{nme-VAL}  
{OXA}  
...and more

### **Other Modifications**

Abz/DNP  
DABCYL  
DABCYL/Glu(EDANS)-NH<sub>2</sub>  
EDANS/DABCYL  
Glu(EDANS)-NH<sub>2</sub>  
MCA/DNP  
mini-PEG  
pNA (p-Nitroanilide)  
Succinylation  
Amide cyclic(side chain)  
Amide cyclic(Head to Tail)  
Disulfide Bridge  
Disulfide Bridge, x2  
Disulfide Bridge, x3  
...and more

### **Conjugations**

KLH Conjugation on cysteine  
BSA Conjugation on cysteine  
OVA Conjugation  
KLH (-NH<sub>2</sub> of N terminal)  
BSA (-COOH of C terminal)  
KLH (-COOH of C terminal)  
BSA (-NH<sub>2</sub> of N terminal)

### **Related Services**

Amino Acid Analysis  
Peptide Content Analysis (Nitrogen Content Analysis)  
TFA Salt Content Analysis  
Peptide Solubility Test  
Aliquoting (free for up to 5 vials)