

Some less common modifications for Peptide Synthesis

5, FAM	Iodotyrosines
8X, 4X MAP core peptides	Isothiocyanates
Acetylation	Long chain biotin
Amidated C-terminal	Lys (Ac)
Amide condensation (cyclization)	Lys (ivDde)
Aminobenzoic acid	Lys (TFA)
Aminohexanoic, Aminopentanoic, Aminoundecanoic acid or other carbon spacers	Maleimide
Aminohexanoic (DIC and no HOBT)- SA coupling only	Mono, di, tri lys methylation
Asp (Alloc)	MTSL
Azido Lysine	Mtt or Mmt Lys
Azidopentanoic acid	Myristolation
Beta amino acids	N-methyl amino acids
BHQ 1, 2, 3 dyes	N-terminal NHS
bis-boc-amino-oxyacetic acid	Nitrotyrosine
C-terminal biotin	Norleucine
Crotonic acid	OSu HOSu couplings succinimide
Cy3B maleimide	Palmitic
D form amino acids	PEG linkers
Disulfide cyclization 1st bridge	Phenyl boronic acid (PBA)
Disulfide cyclization 2nd bridge	Phosphor-serine phosphor-threonine
DOPA	PLL Photolabile linker
DOTA	Pyrene
DSPE Peg 2000 (lipid)	Removal of Mtt or Mmt from Mtt or Mmt Lys
Farnesylation	Solulink BOC-HNA (HiNic)
FMOC	Stable isotope amino acids
Fmoc-Asp(2-phenylisopropyl ester)-OH	Stable isotope lys / arg resin
FMOC-Lys-biotin	Stearic acid
Geranyl	Succinic anhydride
Hydroxyproline	Succinylation
Ibuprofen-COOH	Sulfo SMCC linker