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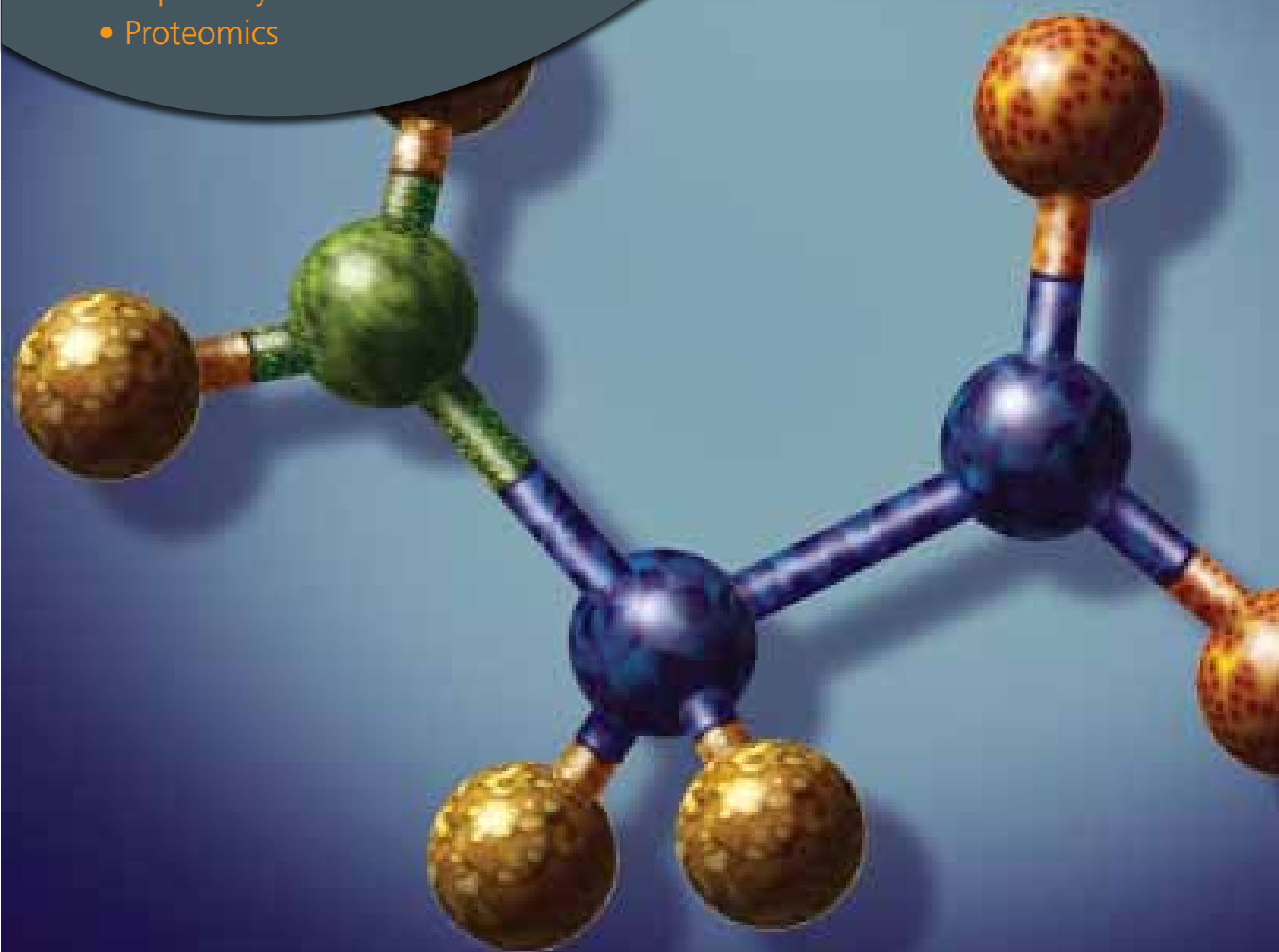
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| | | Protected Amino Acid Listing |
|----------------------|--|---|
| Catalog # | Description | Position of Label |
| PHENYLALANINE | | |
| CNLM-2393 | L-Phenylalanine-N- <i>t</i> -BOC | (U- ¹³ C ₉ , 97-99%; ¹⁵ N, 97-99%) |
| DLM-2157 | L-Phenylalanine-N- <i>t</i> -BOC | (Ring-D ₅ , 98%) |
| NLM-1905 | L-Phenylalanine-N- <i>t</i> -BOC | (¹⁵ N, 98%) |
| PROLINE | | |
| CLM-8044 | L-Proline-N-FMOC | (1- ¹³ C, 99%) |
| CNLM-4347 | L-Proline-N-FMOC | (U- ¹³ C ₅ , 97-99%; ¹⁵ N, 97-99%) |
| NLM-3906 | L-Proline-N-FMOC | (¹⁵ N, 98%) |
| NLM-2329 | L-Proline-N- <i>t</i> -BOC | (¹⁵ N, 98%) |
| SERINE | | |
| CNLM-8403 | L-Serine-N-FMOC | (U- ¹³ C ₃ , 97-99%; ¹⁵ N, 97-99%) |
| CLM-8167 (NEW) | L-Serine-N-FMOC, O- <i>t</i> -Butyl Ether | (1- ¹³ C, 99%) |
| CNLM-4755 | L-Serine-N-FMOC, O- <i>t</i> -Butyl Ether | (U- ¹³ C ₃ , 97-99%; ¹⁵ N, 97-99%) (3% D Isomer) |
| NLM-4630 (NEW) | L-Serine-N-FMOC, O- <i>t</i> -Butyl Ether | (¹⁵ N, 98%) |
| CLM-2007 | L-Serine-N- <i>t</i> -BOC, O-Bz Ether | (2- ¹³ C, 99%) |
| CLM-756 | L-Serine-N- <i>t</i> -BOC, O-Bz Ether | (3- ¹³ C, 99%) |
| NLM-2025 | L-Serine-N- <i>t</i> -BOC, O-Bz Ether | (¹⁵ N, 98%) |
| THREONINE | | |
| CNLM-7615 | L-Threonine-N-FMOC, O- <i>t</i> -Butyl Ether | (U- ¹³ C ₄ , 97-99%; ¹⁵ N, 97-99%) |
| NLM-8170 (NEW) | L-Threonine-N-FMOC, O- <i>t</i> -Butyl Ether | (¹⁵ N, 98%) |
| NLM-3681 | L-Threonine-N- <i>t</i> -BOC, O-Benzyl Ether | (¹⁵ N, 98%) |
| TRYPTOPHAN | | |
| CNLM-6077 | L-Tryptophan-N-FMOC | (U- ¹³ C ₁₁ , 97-99%; U- ¹⁵ N ₂ , 97-99%) |
| DLM-6113 | L-Tryptophan-N-FMOC | (Indole-D ₅ , 98%) |
| NLM-3423 | L-Tryptophan-N-FMOC | (α- ¹⁵ N, 98%+) |
| CLM-2194 | L-Tryptophan-N- <i>t</i> -BOC | (1- ¹³ C, 99%) |
| TYROSINE | | |
| CNLM-4349 | L-Tyrosine-N-FMOC, O- <i>t</i> -Butyl Ether | (U- ¹³ C ₉ , 97-99%; ¹⁵ N, 97-99%) |
| NLM-8169 (NEW) | L-Tyrosine-N-FMOC, O- <i>t</i> -Butyl Ether | (¹⁵ N, 98%) |
| CLM-2092 | L-Tyrosine-N- <i>t</i> -BOC, O-Bz Ether | (Ring- ¹³ C ₆ , 99%) |
| DLM-2303 | L-Tyrosine-N- <i>t</i> -BOC, O-Bz Ether | (Ring-D ₄ , 98%) |
| NLM-1906 | L-Tyrosine-N- <i>t</i> -BOC, O-Bz Ether | (¹⁵ N, 98%) |
| VALINE | | |
| NLM-7888 | L-Valine-N-Acetyl | (¹⁵ N, 98%) |
| CLM-3640 | L-Valine-N-FMOC | (1- ¹³ C, 99%) |
| CLM-7793 | L-Valine-N-FMOC | (U- ¹³ C ₅ , 97-99%) |
| CNLM-4348 | L-Valine-N-FMOC | (U- ¹³ C ₅ , 97-99%; ¹⁵ N, 97-99%) |
| DLM-7784 | L-Valine-N-FMOC | (D ₈ , 98%) |
| NLM-4243 | L-Valine-N-FMOC | (¹⁵ N, 98%) |
| CLM-2450 | D-Valine, N-Acetyl | (2- ¹³ C, 99%) |
| CLM-2158 | L-Valine-N- <i>t</i> -BOC | (1- ¹³ C, 99%) |
| CNLM-2395 | L-Valine-N- <i>t</i> -BOC | (U- ¹³ C ₅ , 97-99%; ¹⁵ N, 97-99%) |
| DLM-3651 | L-Valine-N- <i>t</i> -BOC | (D ₈ , 98%) |
| NLM-2060 | L-Valine-N- <i>t</i> -BOC | (¹⁵ N, 98%) |

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PROTECTED AMINO ACIDS

| Catalog # | Description | Position of Label |
|----------------------|--|---|
| ALANINE | | |
| CLM-818 | L-Alanine-N-FMOC | (1- ¹³ C, 99%) |
| CLM-3638 | L-Alanine-N-FMOC | (2- ¹³ C, 99%) |
| CLM-1142 | L-Alanine-N-FMOC | (3- ¹³ C, 99%) |
| CLM-7785 | L-Alanine-N-FMOC | (¹³ C ₃ , 97-99%) |
| CNLM-4355 | L-Alanine-N-FMOC | (U- ¹³ C ₃ , 97-99%; ¹⁵ N, 97-99%) |
| CDNLM-7852 | L-Alanine-N-FMOC | (U- ¹³ C ₃ , 97-99%; U-D ₄ , 97-99%; ¹⁵ N, 97-99%) |
| DLM-7316 | L-Alanine-N-FMOC | (3,3,3-D ₃ , 98%) |
| DLM-8168 | L-Alanine-N-FMOC | (2,3,3,3-D ₄ , 98%) |
| NLM-614 | L-Alanine-N-FMOC | (¹⁵ N, 98%) |
| CLM-2150 | L-Alanine-N- <i>t</i> -BOC | (1- ¹³ C, 99%) |
| CLM-2011 | L-Alanine-N- <i>t</i> -BOC | (2- ¹³ C, 98-99%) |
| CLM-2151 | L-Alanine-N- <i>t</i> -BOC | (3- ¹³ C, 99%) |
| CLM-3589 | L-Alanine-N- <i>t</i> -BOC | (U- ¹³ C ₃ , 97-99%) |
| CNLM-6014 | L-Alanine-N- <i>t</i> -BOC | (2- ¹³ C, 99%; ¹⁵ N, 96-99%) |
| CNLM-2394 | L-Alanine-N- <i>t</i> -BOC | (U- ¹³ C ₃ , 97-99%; ¹⁵ N, 97-99%) |
| DLM-649 | L-Alanine-N- <i>t</i> -BOC | (2-D ₁ , 98%) |
| DLM-2793 | L-Alanine-N- <i>t</i> -BOC | (3,3,3-D ₃ , 99%) |
| NLM-1903 | L-Alanine-N- <i>t</i> -BOC | (¹⁵ N, 98%) |
| NLM-2168 | D-Alanine-N- <i>t</i> -BOC | (¹⁵ N, 98%) |
| ARGININE | | |
| CNLM-8402 | L-Arginine-N-FMOC, Mtr | (U- ¹³ C ₆ , 97-99%; U- ¹⁵ N ₄ , 97-99%) |
| CLM-8475 | L-Arginine-N-FMOC, Pbf | (U- ¹³ C ₆ , 99%) (Contains Ethyl Acetate) (CP 90-95%) |
| CNLM-8474 | L-Arginine-N-FMOC, Pbf | (U- ¹³ C ₆ , 99%; U- ¹⁵ N ₄ , 99%) (Contains Ethyl Acetate) (CP 90-95%) |
| CLM-7792 | L-Arginine-N-FMOC, Pmc | (U- ¹³ C ₆ , 97-99%) (CP ≥ 94%) |
| CNLM-4226 | L-Arginine-N-FMOC, Pmc | (U- ¹³ C ₆ , 97-99%; U- ¹⁵ N ₄ , 97-99%) (CP ≥ 94%) |
| NLM-1264 | L-Arginine-N-FMOC, Pmc | (U- ¹⁵ N ₄ , 98%) (CP ≥ 94%) |
| ASPARAGINE | | |
| CNLM-4354 | L-Asparagine-N-FMOC | (U- ¹³ C ₄ , 97-99%; U- ¹⁵ N ₂ , 97-99%) |
| CNLM-6193 | L-Asparagine-N-FMOC, N-β-Trityl | (U- ¹³ C ₄ , 97-99%; U- ¹⁵ N ₂ , 97-99%) |
| NLM-4204 | L-Asparagine-N-FMOC, N-β-Trityl | (¹⁵ N ₂ , 98%) |
| NLM-2164 | L-Asparagine-N- <i>t</i> -BOC | (α- ¹⁵ N, 98%) |
| ASPARTIC ACID | | |
| CNLM-4788 | L-Aspartic Acid-N-FMOC | (U- ¹³ C ₄ , 97-99%; ¹⁵ N, 97-99%) |
| CNLM-4789 | L-Aspartic Acid-N-FMOC, α-O- <i>t</i> -Butyl Ester | (U- ¹³ C ₄ , 97-99%; ¹⁵ N, 97-99%) |
| CNLM-4752 | L-Aspartic Acid-N-FMOC, β-O- <i>t</i> -Butyl Ester | (¹³ C ₄ , 97-99%; ¹⁵ N, 97-99%) |
| NLM-647 | L-Aspartic Acid-N-FMOC, β-O- <i>t</i> -Butyl Ester | (¹⁵ N, 98%) |
| NLM-3493 | L-Aspartic Acid-N- <i>t</i> -BOC | (¹⁵ N, 98%) |
| CNLM-2392 | L-Aspartic Acid-N- <i>t</i> -BOC, β-Benzyl Ester | (U- ¹³ C ₄ , 97-99%; ¹⁵ N, 97-99%) |
| NLM-1908 | L-Aspartic Acid-N- <i>t</i> -BOC, β-Benzyl Ester | (¹⁵ N, 98%) |

| Catalog # | Description | Position of Label |
|----------------------|---|--|
| CYSTEINE | | |
| CNLM-7579 | L-Cysteine, N-Acetyl | (Cysteine- ¹³ C ₃ , 97-99%; ¹⁵ N, 97-99%) (CP ≥ 95%) |
| CLM-2182 | L-Cysteine, S-Benzyl | (3- ¹³ C, 99%) |
| DLM-1964 | L-Cysteine, S-Benzyl | (2,3,3-D ₃ , 98%) |
| NLM-368 | L-Cysteine, S-Benzyl | (¹⁵ N, 98%) |
| NLM-3914 | L-Cysteine, S-P-Mebz | (¹⁵ N, 98%) |
| CNLM-7112 | L-Cysteine, S-Trityl | (U- ¹³ C ₃ , 97-99%; ¹⁵ N, 97-99%) |
| DLM-4532 | L-Cysteine, S-Trityl | (3,3-D ₂ , 98%) |
| CLM-2403 | L-Cysteine-N-FMOC, S-Benzyl | (3- ¹³ C, 98%) |
| CNLM-4722 | L-Cysteine-N-FMOC, S-Trityl | (U- ¹³ C ₃ , 97-99%; ¹⁵ N, 97-99%) |
| DLM-4721 | L-Cysteine-N-FMOC, S-Trityl | (3,3-D ₂ , 98%) |
| CLM-1901 | L-Cysteine-N-t-BOC, S-Benzyl | (3- ¹³ C, 99%) |
| DLM-2700 | L-Cysteine-N-t-BOC, S-P-Mebz | (3,3-D ₂ , 98%) |
| NLM-3874 | L-Cysteine-N-t-BOC, S-P-Mebz | (¹⁵ N, 98%) |
| GLUTAMIC ACID | | |
| CNLM-6769 | L-Glutamic Acid, α-t-Butyl Ester | (U- ¹³ C ₅ , 97-99%; ¹⁵ N, 97-99%) |
| CLM-6664 | L-Glutamic Acid, N-Acetyl | (Glutamate- ¹³ C ₅ , 97-99%) |
| CNLM-4753 | L-Glutamic Acid-N-FMOC, γ-t-Butyl Ester | (U- ¹³ C ₅ , 97-99%; ¹⁵ N, 97-99%) (CP ≥ 96%) |
| NLM-1907 | L-Glutamic Acid-N-t-BOC, γ-Benzyl Ester | (¹⁵ N, 98%) |
| CLM-2008 | L-Glutamic Acid-N-t-BOC, γ-Benzyl-Ester | (1,2- ¹³ C ₂ , 99%) |
| GLUTAMINE | | |
| DLM-3090 | L-Glutamine, N ₂ -Phenylacetyl | (D ₇ , 98%) |
| DLM-3182 | L-Glutamine, N ₂ -Phenylacetyl | (Phenylacetyl-2,2-D ₂ , 98%) |
| CNLM-4356 | L-Glutamine-N-FMOC | (U- ¹³ C ₅ , 97-99%; U- ¹⁵ N ₂ , 97-99%) |
| CNLM-7252 | L-Glutamine-N-FMOC, N-γ-Trityl | (U- ¹³ C ₅ , 97-99%; U- ¹⁵ N ₂ , 97-99%) |
| CLM-1902 | L-Glutamine-N-t-BOC | (1,2- ¹³ C ₂ , 99%) |
| NLM-3419 | L-Glutamine-N-t-BOC | (α- ¹⁵ N, 98%+) |
| GLYCINE | | |
| CLM-3777 | Glycine, N-Acetyl | (2- ¹³ C, 99%) |
| CNLM-4524 | Glycine, N-Acetyl | (U- ¹³ C ₂ , 97-99%; ¹⁵ N, 97-99%) |
| NLM-4464 | Glycine, N-Acetyl | (¹⁵ N, 98%) |
| NLM-2377 | Glycine, N-Benzoyl (Hippuric Acid) | (¹⁵ N, 98%) |
| CLM-3639 | Glycine-N-FMOC | (1- ¹³ C, 99%) |
| CLM-2387 | Glycine-N-FMOC | (2- ¹³ C, 99%) |
| CLM-7547 | Glycine-N-FMOC | (¹³ C ₂ , 97-99%) |
| CNLM-7697 | Glycine-N-FMOC | (1- ¹³ C, 99%; ¹⁵ N, 98%) |
| CNLM-7698 | Glycine-N-FMOC | (2- ¹³ C, 99%; ¹⁵ N, 98%) |
| CNLM-4357 | Glycine-N-FMOC | (U- ¹³ C ₂ , 97-99%; ¹⁵ N, 97-99%) |
| CDNLM-7853 | Glycine-N-FMOC | (U- ¹³ C ₂ , 97-99%; 2,2-D ₂ , 97-99%; ¹⁵ N, 97-99%) |
| DLM-7339 | Glycine-N-FMOC | (2,2-D ₂ , 98%) |
| NLM-694 | Glycine-N-FMOC | (¹⁵ N, 98%) |
| CLM-2152 | Glycine-N-t-BOC | (1- ¹³ C, 99%) |
| CLM-1900 | Glycine-N-t-BOC | (2- ¹³ C, 99%) |
| CNLM-2412 | Glycine-N-t-BOC | (U- ¹³ C ₂ , 97-99%; ¹⁵ N, 97-99%) |
| DLM-2153 | Glycine-N-t-BOC | (2,2-D ₂ , 98%) |
| NLM-2109 | Glycine-N-t-BOC | (¹⁵ N, 98%) |
| HISTIDINE | | |
| NLM-2328 | L-Histidine, Ring-Pi-Bz-Oxyme, α-N-t-BOC | (α- ¹⁵ N, 98%) |
| NLM-8010 | L-Histidine-N-FMOC, N-IM-Trityl | (¹⁵ N ₃ , 98%) |

| Catalog # | Description | Position of Label |
|----------------------|------------------------------------|---|
| ISOLEUCINE | | |
| CLM-7794 | L-Isoleucine-N-FMOC | (U- ¹³ C ₆ , 97-99%) |
| CLM-8043 | L-Isoleucine-N-FMOC | (1- ¹³ C, 99%) |
| CNLM-4346 | L-Isoleucine-N-FMOC | (U- ¹³ C ₆ , 97-99%; ¹⁵ N, 97-99%) |
| NLM-391 | L-Isoleucine-N-FMOC | (¹⁵ N, 98%) |
| NLM-2167 | L-Isoleucine-N-t-BOC | (¹⁵ N, 98%) |
| LEUCINE | | |
| CLM-3691 | L-Leucine-N-FMOC | (1- ¹³ C, 99%) |
| CLM-7546 | L-Leucine-N-FMOC | (1,2- ¹³ C ₂ , 99%) |
| CLM-3683 | L-Leucine-N-FMOC | (U- ¹³ C ₆ , 97-99%) |
| CNLM-4345 | L-Leucine-N-FMOC | (U- ¹³ C ₆ , 97-99%; ¹⁵ N, 97-99%) |
| CDNLM-7854 | L-Leucine-N-FMOC | (U- ¹³ C ₆ , 97-99%; U-D ₁₀ , 97-99%; ¹⁵ N, 97-99%) |
| DLM-7202 | L-Leucine-N-FMOC | (5,5,5-D ₃ , 98%) |
| DLM-7575 | L-Leucine-N-FMOC | (D ₁₀ , 98%) |
| NLM-2397 | L-Leucine-N-FMOC | (¹⁵ N, 98%) |
| CLM-2155 | L-Leucine-N-t-BOC:H ₂ O | (1- ¹³ C, 99%) |
| CLM-2010 | L-Leucine-N-t-BOC:H ₂ O | (2- ¹³ C, 99%) |
| CNLM-2396 | L-Leucine-N-t-BOC:H ₂ O | (U- ¹³ C ₆ , 97-99%; ¹⁵ N, 97-99%) |
| DLM-2736 | L-Leucine-N-t-BOC:H ₂ O | (5,5,5-D ₃ , 98%) |
| DLM-3650 | L-Leucine-N-t-BOC:H ₂ O | (D ₁₀ , 98%) |
| NLM-1904 | L-Leucine-N-t-BOC:H ₂ O | (¹⁵ N, 98%) |
| LYSINE | | |
| NLM-2335 | L-Lysine, ε-Benzoyl | (α- ¹⁵ N, 95-99%) |
| CLM-6194 | L-Lysine-α-N-FMOC, ε-N-t-BOC | (1- ¹³ C, 99%) |
| CLM-7865 | L-Lysine-α-N-FMOC, ε-N-t-BOC | (U- ¹³ C ₆ , 99%) |
| CNLM-4754 | L-Lysine-α-N-FMOC, ε-N-t-BOC | (U- ¹³ C ₆ , 99%; U- ¹⁵ N ₂ , 99%) |
| NLM-4631 (NEW) | L-Lysine-α-N-FMOC, ε-N-t-BOC | (¹⁵ N ₂ , 96-98%) |
| CLM-343 | L-Lysine-α-N-t-BOC | (6- ¹³ C, 99%) |
| METHIONINE | | |
| CLM-1141 | L-Methionine-N-FMOC | (Methyl- ¹³ C, 99%) |
| CLM-8166 | L-Methionine-N-FMOC | (1- ¹³ C, 99%) |
| CNLM-4358 | L-Methionine-N-FMOC | (U- ¹³ C ₅ , 97-99%; ¹⁵ N, 97-99%) |
| NLM-4632 (NEW) | L-Methionine-N-FMOC | (¹⁵ N, 98%) (CP ≥ 95%) |
| CLM-2156 | L-Methionine-N-t-BOC | (Methyl- ¹³ C, 98%) |
| PHENYLALANINE | | |
| CLM-7381 | DL-Phenylalanine: HCl, Ethyl Ester | (1- ¹³ C, 99%) |
| CLM-4248 | L-Phenylalanine, Methyl Ester: HCl | (U- ¹³ C ₁₀ , 97-99%) |
| CLM-3684 | L-Phenylalanine-N-FMOC | (Ring- ¹³ C ₆ , 99%) |
| CLM-4824 | L-Phenylalanine-N-FMOC | (1- ¹³ C, 99%) |
| CNLM-4362 | L-Phenylalanine-N-FMOC | (U- ¹³ C ₉ , 97-99%; ¹⁵ N, 97-99%) |
| DLM-7786 | L-Phenylalanine-N-FMOC | (Ring-D ₅ , 98%) |
| DLM-8752 | L-Phenylalanine-N-FMOC | (D ₈ , 98%) |
| NLM-1265 | L-Phenylalanine-N-FMOC | (¹⁵ N, 98%) |
| CLM-2009 | L-Phenylalanine-N-t-BOC | (2- ¹³ C, 99%) |
| CLM-2061 | L-Phenylalanine-N-t-BOC | (Ring- ¹³ C ₆ , 99%) |
| CLM-2170 | L-Phenylalanine-N-t-BOC | (1- ¹³ C, 99%) |
| CLM-7859 | L-Phenylalanine-N-t-BOC | (U- ¹³ C ₉ , 97-99%) |

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