

CIL's Expanding Line of 99% Enriched Amino Acids for Proteomic Applications

These are the most highly enriched amino acids commercially available.

Higher enrichments provide improved accuracy in quantitative MS-based proteomic applications. Free amino acids are used in metabolic labeling of organisms and animals for global quantitative proteomic analysis. Protected amino acids are used in the synthesis of peptides for use as internal standards for peptide identity and quantitation.



Free Amino Acids

Catalog No.	Description
CLM-2265-H	L-Arginine • HCl (U- ¹³ C ₆ , 99%)
CNLM-539-H	L-Arginine • HCl (U- ¹³ C ₆ , 99%; ¹⁵ N ₄ , 99%)
CLM-2247-H	L-Lysine • 2HCl (U- ¹³ C ₆ , 99%)
CNLM-291-H	L-Lysine • 2HCl (U- ¹³ C ₆ , 99%; ¹⁵ N ₂ , 99%)
CLM-2262-H	L-Leucine (U- ¹³ C ₆ , 99%)
CNLM-281-H	L-Leucine (U- ¹³ C ₆ , 99%; ¹⁵ N, 99%)
CLM-2248-H	L-Isoleucine (U- ¹³ C ₆ , 99%)
CNLM-561-H	L-Isoleucine (U- ¹³ C ₆ , 99%; ¹⁵ N, 99%)

New!

Catalog No.	Description
DLM-1259-H	L-Leucine (5,5,5-D ₃ , 99%)
CLM-2263-H	L-Tyrosine (U- ¹³ C ₉ , 99%)
CNLM-439-H	L-Tyrosine (U- ¹³ C ₉ , 99%; ¹⁵ N, 99%)
CLM-2249-H	L-Valine (U- ¹³ C ₅ , 99%)
CNLM-442-H	L-Valine (U- ¹³ C ₅ , 99%; ¹⁵ N, 99%)

Protected Amino Acids

Catalog No.	Description
CLM-8475-H	L-Arginine-N-FMOC, Pbf (U- ¹³ C ₆ , 99%) (Contains Solvent) (CP 90-95%)
CNLM-8474-H	L-Arginine-N-FMOC, Pbf (U- ¹³ C ₆ , 99%; U- ¹⁵ N ₄ , 99%) (Contains Solvent) (CP 90-95%)
CLM-7865-H	L-Lysine-α-N-FMOC, ε-N-t-BOC (U- ¹³ C ₆ , 99%)
CNLM-4754-H	L-Lysine-α-N-FMOC, ε-N-t-BOC (U- ¹³ C ₆ , 99%; U- ¹⁵ N ₂ , 99%)

"Using highly enriched materials decreases the amount of unlabeled analog introduced into the mass spectrometer. As a result, using 99% enriched amino acids will increase the accuracy and useful dynamic range for MS-based quantitative proteomic methods compared to using amino acids with lower enrichments."

— Michael Burgess, Senior Biochemist
Broad Institute, Cambridge, MA

Coming Soon

Please inquire about other 99% enriched amino acids coming soon or available from stock.