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 ($^{13}C_6$, 99%)
CNLM-539-H	L-Arginine·HCl ($^{13}C_6$, 99%; $^{15}N_4$, 99%)
CLM-2247-H	L-Lysine·2HCl ($^{13}C_6$, 99%)
CNLM-291-H	L-Lysine·2HCl ($^{13}C_6$, 99%; $^{15}N_2$, 99%)
CLM-2262-H	L-Leucine ($^{13}C_6$, 99%)
DLM-1259-H	L-Leucine (5,5,5-D_3, 99%)
CNLM-281-H	L-Leucine ($^{13}C_6$, 99%; ^{15}N, 99%)
CLM-2248-H	L-Isoleucine ($^{13}C_6$, 99%)
CNLM-561-H	L-Isoleucine ($^{13}C_6$, 99%; ^{15}N, 99%)
CLM-2263-H	L-Tyrosine ($^{13}C_9$, 99%)
CNLM-439-H	L-Tyrosine ($^{13}C_9$, 99%; ^{15}N, 99%)
CLM-2249-H	L-Valine ($^{13}C_5$, 99%)
CNLM-442-H	L-Valine ($^{13}C_5$, 99%; ^{15}N, 99%)

Protected Amino Acids

Catalog No.	Description
CLM-8475-H	L-Arginine-N-FMOC, Pbf ($^{13}C_6$, 99%) (contains solvent) CP 90-95%
CNLM-8474-H	L-Arginine-N-FMOC, Pbf ($^{13}C_6$, 99%; $^{15}N_4$, 99%) (contains solvent) CP 90-95%
CLM-7865-H	L-Lysine-α-N-FMOC, e-N-t-BOC ($^{13}C_6$, 99%)
CNLM-4754-H	L-Lysine-α-N-FMOC, e-N-t-BOC ($^{13}C_6$, 99%; $^{15}N_2$, 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

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

To place an order please contact CIL: | t: 978.749.8000 | 1.800.322.1174 (North America) | cilsales@isotope.com
For international inquiries, please contact our International Customer Service Department at intlsales@isotope.com.

PRT_99_AA
9/14 Supersedes all previously published literature