



NATURAL SOLUTIONS

Clinical Kinesiology, Acupuncture, & (w)Holistic Healthcare

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Periodic Chart of Amino Acids

APIs ■ PEPTIDES ■ BUILDING BLOCKS ■ BIOCHEMICALS ■ CUSTOM SYNTHESIS ■ OLIGONUCLEOTIDES

<p>3-Letter Amino Acid Code — Ser</p> <p>Chemical Structure — </p> <p>1-Letter Amino Acid Code — S</p> <p>Relative Molecular Mass — 105.09</p> <p>M_r-H₂O — 87.08</p> <p>Molecular Formula — C₃H₇NO₃</p> <p>Serine — Chemical Name</p>		<p>Basic</p> <p>Nonpolar (hydrophobic)</p> <p>Polar, uncharged</p> <p>Acidic</p>	<p>Asp</p> <p></p> <p>D 133.10 115.09 C₄H₇NO₄</p> <p>Aspartic Acid</p>							
<p>His</p> <p></p> <p>H 155.16 137.14 C₆H₉N₃O₂</p> <p>Histidine</p>	<p>Arg</p> <p></p> <p>R 174.20 156.19 C₆H₁₄N₄O₂</p> <p>Arginine</p>	<p>Phe</p> <p></p> <p>F 165.19 147.18 C₉H₉NO₂</p> <p>Phenylalanine</p>	<p>Ala</p> <p></p> <p>A 89.09 71.08 C₃H₇NO₂</p> <p>Alanine</p>	<p>Cys</p> <p></p> <p>C 121.16 103.14 C₃H₇NO₂S</p> <p>Cysteine</p>	<p>Gly</p> <p></p> <p>G 75.07 57.05 C₂H₃NO₂</p> <p>Glycine</p>	<p>Gln</p> <p></p> <p>Q 146.15 128.13 C₆H₁₀N₂O₃</p> <p>Glutamine</p>	<p>Glu</p> <p></p> <p>E 147.13 129.11 C₅H₉NO₄</p> <p>Glutamic Acid</p>			
<p>Lys</p> <p></p> <p>K 146.19 128.17 C₆H₁₂N₂O₂</p> <p>Lysine</p>	<p>Leu</p> <p></p> <p>L 131.18 113.16 C₆H₁₃NO₂</p> <p>Leucine</p>	<p>Met</p> <p></p> <p>M 149.21 131.20 C₆H₁₁NO₂S</p> <p>Methionine</p>	<p>Asn</p> <p></p> <p>N 132.12 114.10 C₄H₈N₂O₃</p> <p>Asparagine</p>	<p>Ser</p> <p></p> <p>S 105.09 87.08 C₃H₇NO₃</p> <p>Serine</p>	<p>Tyr</p> <p></p> <p>Y 181.19 163.17 C₉H₉NO₃</p> <p>Tyrosine</p>	<p>Thr</p> <p></p> <p>T 119.12 101.10 C₄H₉NO₃</p> <p>Threonine</p>	<p>Ile</p> <p></p> <p>I 131.18 113.16 C₆H₁₃NO₂</p> <p>Isoleucine</p>	<p>Trp</p> <p></p> <p>W 204.23 186.21 C₁₁H₁₂N₂O₂</p> <p>Tryptophan</p>	<p>Pro</p> <p></p> <p>P 115.13 97.12 C₅H₉NO₂</p> <p>Proline</p>	<p>Val</p> <p></p> <p>V 117.15 99.13 C₆H₁₁NO₂</p> <p>Valine</p>