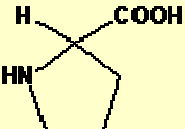


Aminosyrer

Der findes 21 aminosyrer, nogle polære og nogle upolære:

Upolære aminosyrer	Polære aminosyrer	Aminosyrer ladede ved pH 6,0
<p><u>Alanin</u>, ala, A</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_3 \end{array}$	<p><u>Glycin</u>, gly, G</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{H} \end{array}$	<p><u>Asparaginsyre</u>, aspartat, asp, D</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_2 \\ \\ \text{C} \\ // \quad \backslash \\ \text{O} \quad \text{OH} \end{array}$
<p><u>Valin</u>, val, V</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH} \\ / \quad \backslash \\ \text{H}_3\text{C} \quad \text{CH}_3 \end{array}$	<p><u>Serin</u>, ser, S</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_2 \\ \\ \text{OH} \end{array}$	<p><u>Glutaminsyre</u>, glutamat, glu, E</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_2 \\ \\ \text{CH}_2 \\ \\ \text{C} \\ // \quad \backslash \\ \text{O} \quad \text{OH} \end{array}$
<p><u>Leucin</u>, leu, L</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_2 \\ \\ \text{CH} \\ / \quad \backslash \\ \text{H}_3\text{C} \quad \text{CH}_3 \end{array}$	<p><u>Threonin</u>, thr, T</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{HC}-\text{CH}_3 \\ \\ \text{OH} \end{array}$	<p><u>Lysin</u>, lys, K</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_2 \\ \\ \text{CH}_2 \\ \\ \text{CH}_2 \\ \\ \text{CH}_2 \\ \\ \text{NH}_2 \end{array}$
<p><u>Isoleucin</u>, ile, I</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH} \\ / \quad \backslash \\ \text{H}_2\text{C} \quad \text{CH}_3 \\ \\ \text{CH}_3 \end{array}$	<p><u>Cystein</u>, cys, C</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_2 \\ \\ \text{SH} \end{array}$	<p><u>Arginin</u>, arg, R</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_2 \\ \\ \text{CH}_2 \\ \\ \text{CH}_2 \\ \\ \text{NH} \\ \\ \text{C} \\ / \quad \backslash \\ \text{H}_2\text{N} \quad \text{NH} \end{array}$
<p><u>Prolin</u>, pro, P</p> 	<p><u>Tyrosin</u>, tyr, Y</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_2 \\ \\ \text{C}_6\text{H}_4 \\ \\ \text{OH} \end{array}$	<p><u>Histidin</u>, his, H</p> $\begin{array}{c} \text{H} \\ \\ \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_2 \\ \\ \text{C}_4\text{H}_3\text{N}^+ \end{array}$

<p>Phenylalanin, phe, F</p> $ \begin{array}{c} \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_2 \\ \\ \text{C}_6\text{H}_5 \end{array} $	<p>Asparagin, asn, N</p> $ \begin{array}{c} \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_2 \\ \\ \text{C} \\ / \quad \backslash \\ \text{O} \quad \text{NH}_2 \end{array} $	
<p>Methionin, met, M</p> $ \begin{array}{c} \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_2 \\ \\ \text{CH}_2 \\ \\ \text{S} \\ \\ \text{CH}_3 \end{array} $	<p>Glutamin, gln, Q</p> $ \begin{array}{c} \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{CH}_2 \\ \\ \text{CH}_2 \\ \\ \text{C} \\ / \quad \backslash \\ \text{O} \quad \text{NH}_2 \end{array} $	
<p>Tryptophan, trp, W</p> $ \begin{array}{c} \text{H}_2\text{N}-\text{C}-\text{COOH} \\ \\ \text{H}_2\text{C} \\ \\ \text{C}_8\text{H}_6\text{N}_2 \end{array} $		