

Aminos.	H	N	C	Ca	Cb	Cg	Cd	Ce	Ch	Cz	Ha	Hb	Hd	He	Hg	Hh	Hz	Nd	Ne
1Met	8.48	121.21	176.06	55.83	32.87	33.47					4.42	1.96;1.97			2.49;2.54				
2Val	8.21	122.48	176.23	62.16	32.86	21.05;21.05					4.17	2			0.86;0.87				
3Thr	8.23	117.95	174.61	61.57	69.95	21.79					4.35	4.18			1.14				
4Ser	8.35	118.08	174.87	58.45	63.85						4.49	3.80;3.86							
5Thr	8.12	115.18	175.17	62.11	69.7	21.81					4.28	4.21			1.14				
6Gly	8.29	110.73	173.94	45.25							3.89								
7Leu	7.98	121.63	177.32	55.51	42.51	27.3	24.35;24.61				4.25	1.54;1.54	0.80;0.85		1.54				
8Leu	8.16	122.32		55.29	42.31	27.26	24.10;24.70				4.3	1.53;1.61	0.80;0.85		1.53				
9Ser	8.09	116.22		58.25	63.79						4.31	3.78;3.80							
10Arg	8.21	122.94	177.73	56.29	30.59	27.27	43.24				4.31	1.71;1.76	3.12;3.14		1.54;1.59				
11Val	8.01	120.98	175.79	62.35	32.67	21.01;21.07					4.01	1.99			0.87;0.88				
12Ala	8.25	127.74	177.17	52.43	19.23						4.23	1.32							
13Ala	8.16	123.06	177.8	52.44	19.11						4.24	1.32							
14Val	7.99	119.39	176.28	62.34	32.74	21.05;21.05					4	1.99			0.86;0.87				
15Glu	8.37	124.74	176.54	56.54	30.53	36.55					4.2	1.87;1.94			2.15;2.20				
16Lys	8.26	122.79	176.22	56.25	32.9	24.94	29.22	42			4.2	1.70;1.75	1.62;1.63	2.93;2.94	1.38;1.38				
17Ala	8.23	125.46	177.58	52.52	19.11						4.18	1.33							
18Ala	8.15	123.62		52.52	19.13						4.22	1.32							
19Glu	8.21	120.28		56.37	30.64	36.51					4.2	1.88;1.96			2.14;2.22				
20Ile	8.04	122.05	175.81	60.98	38.69	17.63;27.64	13.06				4.06	1.79	0.79		0.84;1.13;1.41				
21Ala	8.22	128.17	175.94	52.45	19.3						4.18	1.28							
22Lys	7.9	120.11	174.3	53.4	34.46	24.98	29.2	42.14			4.23	1.60;1.61	1.68;1.75	2.92;2.93	1.37				
26Pro				62.69	32.06	27.34	50.34				4.34	1.94;2.21	3.55;3.76		1.94;1.95				
27Lys	8.25	121.75	176.45	56.21	32.93	24.59	29.06	42.14			4.21	1.68;1.74	1.61;1.62	2.91;2.93	1.36;1.37				
28Val	8.13	123	175.67	62.27	32.88	20.95;21.13					4	1.91			0.81;0.88				
29Val	8.14	126.9	174.84	62.29	32.81	21.17;21.34					3.87	1.81			0.71;0.81				
30Glu	8.24	125.74	177.2	55.69	30.5	36.42					4.19	1.88;1.94			2.16;2.20				
31Leu	8.51	125.23	178.24	54.63	43.36	27.34	23.32;24.31				4.83	1.40;1.58	0.71;0.82		1.55				
32Thr	8.44	113.16	174.92	61	70.85	21.74					4.18	4.55			1.19				
33Glu	8.61	119.85	178.91	59.85	28.9	36.43					3.76	1.91;1.94			2.22;2.24				
34Ala	8.1	118.38	180.55	54.58	18.78						3.97	1.18							
35Ala	7.46	121.66	178.23	54.51	19.15						3.85	1.42							
36Lys	7.9	114.48	176.88	58.8	32.82	27.06	29.87	42.03			3.86	1.78;1.80	1.50;1.51	2.82;2.85	1.28;1.51				
37Gln	6.97	114.2	176.48	55.12	28.38	33.57					4.2	1.80;2.21		6.70;7.35	2.38;2.38				112.66
38Leu	7.15	120.48	171.82	53.86	40.02		23.17;25.25				3.85	1.41;1.79	0.74;0.83		1.65				
39Pro				62.95	32.08	27.82	50.79;50.98				4.32	1.80;2.39	3.51;3.55		1.97				
40Gln	9.25	125.69	177.99	59.49	28.13	33.79					3.78	2.13;2.20		6.82;7.59	2.44;2.45				113.19
41His	11.29	125.87		58.41	29.39		118.3	139.68			4.53	2.97;3.25	7	7.96					
42Ile	6.7	119.61	178.72	60.12	35.55	16.63;25.73	9.19				3.87	1.96	0.4		0.54;0.79;0.95				
43Ile	7.67	122.53	178.33	65.54	38.24	17.84;27.78	14.46				3.5	1.7	0.73		0.73;0.79;1.31				
44Gly	7.94	101.56	174.91	46.36							3.94								
45Val	6.84	106.86	175.4	60.53	33.02	20.96;20.96					4.76	2.61			0.96;0.97				
46Thr	7.09	117.23	172.09	62.57	68.86	22.32					4.45	3.51			0.84				
47Asp	7.61	127.44	174.68	52.6	42.74						4.62	2.41;2.72							
48Pro				65.03	32.28	27.7	51.57				3.99	1.69;2.16	3.73		2.01;2.08				
49Thr	7.94	114.12	177	66.84	67.82	21.88					4.19	3.79			1.16				
50Lys	7.07	123.79	177.55	58.73	33.32	25.01	29.77	42.04			3.92	1.56;1.57	1.64;1.65	2.98;3.00	1.48;1.48				
51Leu	7.44	115.31	178.31	57.99	41.22	25.34	22.59;27.31				3.81	1.12;1.82	0.75;0.85		1.61				
52Asn	8.53	115.98	178.39	55.16	37.89						4.27	2.59;2.76	7.16					105.78	
53Ala	7.68	119.26	179.96	54.04	19.32						4.23	1.46							
54Gln	7.9	111.59	178.5	57.79	29.43	34.9					4.41	2.06;2.27		7.27;7.80	2.97;3.00				108.69
55Val	8.14	120.36	174.79	64.68	30.39	20.46;22.97					4.2	2.32			0.75;0.84				
56Ser	7.9	114.48	174.26	60.48	62.43						3.88	3.23;3.33							

57Tyr	7.66	117.32	175.57	58.67	40.26			133.14	118.44		4.34	2.60;3.03	7.03	6.8					
58Phe	7.73	118.54	171.71	57.49	41.4			131.87			4.41	2.27;2.93	6.57	6.61			6.64		
59Gln	7.91	127.7	172.42	54.21	26.95	33.66					3.72	1.41;1.61		6.54;7.40	1.95;1.95			112.09	
60Cys	6.8	125.67	171.32	57.42	26.59						3.28	1.45;2.29							
61Pro												1.81;2.07					2.1		
62Pro				64.47	31.62	27.93		50.99			4.1	2.14;2.35	3.54;3.59			1.83;2.07			
63Trp	6.17	110.61	176.76	54.01	28.36			129.56	123.33	114.47;120.86	4.43	2.82;3.07	7.4	10.56		6.91	6.72;7.47	132.36	
64Ala	7.04	124.98	176.03	51.64	21.36						5.42	0.97							
65Ala	8.34	120.11	175.01	50.87	23.72						4.6	1.45							
66Leu	8.27	118.67		53.19	42.53	26.28		23.87;25.08			3.98	1.38;1.53	0.79;0.85			1.44			
67Pro				63.12	31.81	28.26					3.15	1.47;1.80	2.92;2.92			1.34;1.34			
68Ser	6.47	118.92	173.45	57.67	63.13						4.2	3.80;4.05							
69Val	6.7	119.16	174.16	60.54	34.81	20.95;20.95					4.21	1.92				0.91;0.92			
70Ala	8.49	128.57	176.89	52.89	18.72						4.22	1.22							
71Cys	8.22	120.36	173.13	58.11	31.73						5.45	2.95;2.98							
72His	9.03	114	171.54	54.93	31.46			126.58	139.52		4.85	2.76;2.81	6.38	7.44					
73Leu	9.3	117.31	176.78	52.63	42.36	27.53		24.87;25.77			5.02	1.33;1.85	0.48;0.62			1.5			
74Gln	9.12	125.73	175.5	54.97	30.52	34.14					4.58	1.94;2.03		6.75;7.70	2.16;2.45			111.84	
75Cys	9.36	129.14	173.52	57.49	29.29						5.05	2.26;2.35							
76Thr	8.48	120.17	172.96	59.79	72.87	21.97					5.01	3.56				0.86			
77Arg	8.77	121.78	175.81	55.72	33.16	27.01		43.11			4.41	1.59;1.60	2.90;3.03			1.27;1.28			
78Asp	9.5	130.88	175.47	55.71	39.66						4.19	2.57;2.90							
79Gly	8.36	102.42	173.61	44.96							3.42;4.13								
80Leu	7.78	123.75	174.66	52.19	42.05	27.25		24.42;24.95			4.99	1.56;1.71	0.86;0.92			1.62			
81Pro				62.86	32.46	27.27		50.71			4.57	2.14	3.5			1.85			
82Leu	8.13	126.09	174.15	52.64	43	27.21		23.75;25.06			4.99	1.53;1.53	0.79;0.86			1.6			
83Pro				63.84	32.08						4.19	2.33							
84Ala	8.06	123.36	178.11	51.75	21.14						4.19	1.31							
85Leu	8.39	118.76	177.23	53.36	42.17	27.31		23.23;24.92			4.63	0.40;1.34	0.46;0.62			1.51			
86Gly	9.05	112.14	173.7	46.88							3.84;4.16								
87Leu	7.93	123.29	177.57	53.96	42.91	26.63		22.16;25.50			4.53	1.08;1.70	-0.00;0.01			1.11			
88His	9.25	116.22	175.92	57.57	31.78			117.66	138.62		4.87	3.02;3.33	6.97	7.75					
89Arg	7.3	118.28	175.21	57.53	31.8	26.32		43.14			4.04	0.69;0.90	2.66;2.77			0.58			
90Phe	7.25	113.88	172.66	52.36	41.11			131.39	131.67	129.98	5.4	1.81;2.42	6.75	7.31			7.21		
91Pro				63.34	32.97	27.52		50.68			4.85	1.83;2.21							
92Phe	6.12	104.48	172.35	55.36	41.75						5.97	2.71;3.24	6.81	7.25			7.05		
93Tyr	9.37	120.96	173.42	57.39	43.45			119.51			4.37	2.36;2.74		7.04					
94Leu	10.27	123.36	176.05	54.11	45.17	28.61		24.43;25.37			5.08	1.47;1.61	0.64;0.82			1.67			
95Phe	8.76	119.49	175.87	55.77	42.33			131.94	132.73	128.45	5.24	2.09;2.25	7.47	6.91			6.72		
96Gly	7.97	109.37	170.71	46.39							3.67;4.42								
97Arg	8.15	119.68	177.22	57.5	31.87	28.17		43.82			4.65	1.48;1.75	3.14;3.19			1.54			
98Ser	9.13	113.71	176.17	57.91	63.08						4.34	3.42;3.78							
99Lys	8.45	124.59	176.55	58.19	31.66	24.97		29.18	42.02		3.94	1.69;1.75	1.63;1.64	2.93;2.94		1.39;1.46			
100Val	7.51	114.13	176.83	62.96	31.69	20.52;20.96					3.9	1.88				0.60;0.69			
101Cys	7.64	119.36	172.16	61.15	26.85						3.49	2.49;2.59							
102Asp	7.37	118.73	175.41	57.03	42.93						3.93	2.13;2.24							
103Tyr	7.11	114	173	57.35	39.28				118.11		5.23	2.70;2.71		6.61					
104Val	8.21	124.66	176.49	61.22	31.81	21.37;22.31					4.53	1.8				0.69;0.73			
105Leu	8.22	130.55	175.79	52.86	43.2	27.33		22.62;26.35			4.57	1.31;1.39	0.33;0.72			1.58			
106Glu	8.22	117.29	176.7	56.65	31.15	36.91					4.25	1.87;2.06				2.13			
107His	7.7	123.69	175.51	58.24	31.92			120.96	138.86		3.85	2.73;2.77	8.01	7.98					
108Pro				64.65	32.02	27.69		50.63			4.14	1.84;2.19	3.56;3.75			1.79			
109Ser	9.03	114.13	174.55	59.21	64.95						4.33	3.76;3.78							
110Ile	8.1	128.5	175.97	59.9	36.74	17.33;29.15		12.95			4.22	2.08	0.52			0.91;0.95;1.47			



165Arg	8.1	122.91	175.56	57.45	30.99					4.22	1.71;1.76	2.93;3.16		1.81
166Val	8.76	123.93	174.4	62.04	33.4	20.92;21.06				4.16	2.01			0.86;0.87
167Tyr	8.64	126.35	174.82	55.9	39.86		117.81			5.2	2.52;2.71	6.82	6.72	
168Lys	9	123.31	176.63	53.91	35.9	25.24	29.67	41.81		5.49	1.47;1.52	1.39;1.43	2.67;2.72	1.04;1.14
169Val	8.3	125.86	175.8	63.85	30.94	20.60;21.08				3.82	2.01			0.67;0.82
170Gln	9.12	129.87	174.29	53.82	32.68	33.07				4.87	0.62;1.58		6.88;7.21	1.99;2.12
171Leu	8.57	122.17	177.67	55.95	44.02	27.39	24.77;26.30			4.49	1.63;1.64	0.94;1.00		1.72
172Gly	8.59	111.17	171.89	44.18						4.5				
175Ser	7.66	115.76	174.31	58	63.89					4.27	3.70;3.76			
176Ser	8.26	117.88	173.52	58.6	64.24					4.7	3.76;3.78			
177Ser	7.89	122.82	178.5	60.07	64.88					4.22	3.76;3.77			