Three	Structural	PK,	PK,	PKR	PI
Letter Symbol	formula	ох-ССОН	x-114+	Lide	grocke trice
letter Symbol				- Cours	- pro-

## Amino acids with charged polare side chains.

luci *	000-				200
Lysine #	1	2-16	9.06	10-54	9.0
1	HC-(C4) 4-N/3+			(E-N4+)	
	NKg+				
Arginine *	C00-				
An a	1 1000-NH-CZ	1.82	8.99	12.48	
0 7	HC-(02)3 "			(quani-	10.74
	NG+ NH-C3		-	dino)	
Historiae *	C00-				
His		1.80	9.38	6.04	7-68
H	40-04			(imida-	
77	Ng+ H			Zole)	
1	0.000	1.99	9.90	3.90	2.94
asparticacia	1 10	1		(B-C001)	1 1 1 1 1 1 1 1
Asparticacid Asp	AC-CH-C			9	1
P	16-04-00-				
Glutamic acid	COO- HC-CY-CY-CY-CY-				
Gle	" - CH - CH - C"	2.10	9.47	4.07	3.089
E	1 2 2 6			(4-COOH)	-
	NH+		-		

## Amino acids with non polare side chains.

0.				
Greycine Grey G	coo-	2.35	9.78	6.06
Grey	CH.			
G 1	NH+			
	WH.			
Alanine	C00-	2.35	9.87	C-11
Ala	1	0.00	1.07	6-11
A	H-C-CK			
	N#4+		1	
Valine *	C00-cu	2.29	9.74	-
Val	H-C-CH3		1	6.02
V	1			0.07
	H-C-CH H-C-CH			
Leucine +	Coo-	2.33	9.74	
Leu	1 03	~ 95	7.79	
L	H-C-C4-CH	_		6.04
	H-C-CK-CH NH + CH			
Isoleucine +	000- CH H-C-C-CH-CH-CH-	2.32	9.76	Car
Ile	4-1-1-3 CH-CH	- 02	7.76	6.04
Į.	1 1 2 3			

methionine +	coo-	2.13	9.28	5.70,
Met	H-C-CH-CH-SC	4	-	
m	N/g+			
Proline	605 C	1.95	10-64	
Pro P	C 1	-		6.30
	H N CHS			
Phenylalanine 4 Phe	соо- н-с-си(©)	2.20	9-31	5-764
p	NH3+			
Tryptophon*	CCO -	2.46	9-4/	
W	H-C-CHE TO			5.94

## Amino acids with uncharged polar side chains.

Serine	C00-	2.19	9-21	5.7
Ser.	H-C-CHOH			
S	NHT			

Taconine #	CCC-	2.09	9.10		-
The	1 0	201	1.70	-	-(1)
T	H-C- C-C43				5-60
	vR+				
Asparagine	Coo -	2.14	8.72		5.43
Asn	W-C-CH-C		-		3.43
N'	NH +				
	NK +				
Culutamine	C00-	2.17	9.13		5.65
Gilm Q	H-C-CH-CH-C		1		0.65
2	1 2 2 WH				
	NH+ 12				
Tyrosine	C00-	2.20	9-21	10.46	C-32
Tyr	H-C-CH_ O OH			(Shored)	
	Ny+				-
Quetain.	C 700 -			0.0	
yeteine Cys	C00-	1.92	10.70	8.37	5.14
200	H-C-CHSH	1		weighy	
	NH +			dryl)	