

Amino Acid abbreviations
CHEM 4301

Amino Acid	3 letter	1 letter	R-class
Glycine	Gly	G	nonpolar
Alanine	Ala	A	nonpolar
Valine	Val	V	nonpolar
Leucine	Leu	L	nonpolar
Isoleucine	Ile	I	nonpolar
Methionine	Met	M	nonpolar
Proline	Pro	P	nonpolar
Phenylalanine	Phe	F (f _e nylalanine)	aromatic
Tyrosine	Tyr	Y (t _Y rosine)	aromatic
Tryptophan	Trp	W (t _W ryptophan)	aromatic
Serine	Ser	S	polar
Threonine	Thr	T	polar
Cysteine	Cys	C	polar
Asparagine	Asn	N (AsN)	polar
Glutamine	Gln	Q (Qtamine)	polar
Lysine	Lys	K (KLysine)	(+) charged (basic)
Histidine	His	H	(+) charged (basic)
Arginine	Arg	R (Rginine)	(+) charged (basic)
Aspartate	Asp	D (asparDate)	(-) charged (acidic)
Glutamate	Glu	E (gluEtamate)	(-) charged (acidic)