

Gemicid AMINO ACID REPORT



NO	NAME	SYMBOL	FORMULA	IUPAC NAME	IMAGE
1	Glutamic acid	E	C5H9NO4	(2S)-2-aminopentanedioic acid	HO OH NH2
2	Glutamine	Q	C5H10N2O3	(2S)-2,5-diamino-5- oxopentanoic acid	H ₂ N OH
3	Histidine	Н	C6H9N3O2	(2S)-2-amino-3-(1H- imidazol-5-yl)propanoic	H N OH NH2
4	isoleucine	I	C6H13NO2	(2S,3S)-2-amino-3- methylpentanoic acid	OH NH ₂

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5	Leucine	L	C6H13NO2	(2S)-2-amino-4- methylpentanoic acid	OH NH ₂
6	Lysine	К	C6H14N2O2	(2S)-2,6-diaminohexanoic acid	H ₂ N OII
7	Methionine	М	C5H11NO2S	(2S)-2-amino-4- methylsulfanylbutanoic	S OH NH ₂
8	Phenylalanine	F	C9H11NO2	(2S)-2-amino-3- phenylpropanoic acid	OH NH ₂
9	proline	p	C5H9NO2	(2S)-pyrrolidine-2- carboxylic acid	OH OH

NO	NAME	SYMBOL	FORMULA	IUPAC NAME	IMAGE
10	serine	S	C3H7NO3	(2S)-2-amino-3- hydroxypropanoic acid	HO NH ₂ OH
11	Threonine	Т	C4H9NO3	(2S,3R)-2-amino-3- hydroxybutanoic acid	OH O NH ₂
12	Tryptophan	W	C11H12N2O 2	(2S)-2-amino-3-(1H-indol- 3-yl)propanoic acid	HZ NH NH H
13	Tyrosine	Y	C9H11NO3	(2S)-2-amino-3-(4- hydroxyphenyl)propanoic	HO NH ₂ OH
14	Valine	V	C5H11NO2	(2S)-2-amino-3-methyl- butanoic acid	OH NH ₂

NO	NAME	SYMBOL	FORMULA	IUPAC NAME	IMAGE
15	Cysteine	С	C3H7NO2S	(2R)-2-amino-3- sulfanylpropanoic acid	HS OH
16	Aspartic acid	D	C4H7NO4	(2S)-2-aminobutanedioic acid	HO OH OH
17	Glycine	G	C2H5NO2	2-aminoacetic acid	H ₂ N OH
18	Asparagine	N	C4H8N2O3	(2S)-2,4-diamino-4- oxobutanoic acid	H ₂ N OH
19	Arginine	R	C6H14N4O2	(2S)-2-amino-5- (diaminomethylideneamino	H ₂ N H OH NH ₂

NO	NAME	SYMBOL	FORMULA	IUPAC NAME	IMAGE
20	alanine	А	C3H7NO2	(2S)-2-aminopropanoic acid	OH NH ₂