

Dissociation Constants Of Organic Acids And Bases

This table lists the acid-base dissociation constants of over 600 organic compounds, including many amino acids. All data apply to

dilute aqueous solutions and are presented in the form of pK_a , which is the negative of the logarithm of the acid dissociation constant K_a .

Molecular formula	Name	Step	T _l °C	pK _a
CH ₂ O ₂	Formic acid		20	3.75
CH ₅ N	Methylamine		25	10.63
C ₂ HClBO ₂	Trichloroacetic acid		25	0.70
C ₂ H ₂ Cl ₂ O ₂	Dichloroacetic acid		25	1.48
C ₂ H ₂ O ₃	Glyoxylic		25	3.18
C ₂ H ₂ O ₄	Oxalic acid	1	25	1.23
		2	25	4.19
C ₂ H ₃ BrO ₂	Bromoacetic acid		25	2.69
C ₂ H ₃ ClO ₂	Chloroacetic acid		25	2.85
C ₂ H ₃ IO ₂	Iodoacetic acid		25	3.12
C ₂ H ₄ OS	Thioacetic acid		25	3.33
C ₂ H ₄ O ₂	Acetic acid		25	4.76
C ₂ H ₄ O ₃	Glycolic acid		25	3.83
C ₂ H ₅ N	Ethyleneimine		25	8.01
C ₂ H ₅ NO	Acetamide		25	0.63
C ₂ H ₅ NO ₂	Glycine	1	25	2.35
		2	25	9.78
C ₂ H ₆ O ₂	Ethylene glycol		25	14.22
C ₂ H ₇ AsO ₂	Cacodylic acid	1	25	1.57
		2	25	6.27
C ₂ H ₇ N	Dimethylamine		25	10.68
C ₂ H ₇ N	Ethylamine		25	10.70
C ₂ H ₇ NO	Ethanolamine		25	9.50
C ₂ H ₇ NO ₃ S	Taurine	1	25	1.5
		2	25	9.061
C ₂ H ₇ NS	Cysteamine	1	25	8.35
		2	25	10.81

C2H8N2	1,2-Ethanediamine	1	0	10.712
		2	0	7.564
C3H3NO2	Cyanoacetic acid		25	2.45
C3H3NS	Thiazole		20	2.44
C3H4N2	1H-Imidazole		25	6.953
C3H4N2S	2-Thiazolamine		20	5.36
C3H4O2	Acrylic acid		25	4.25
C3H4O3	Pyruvic acid		25	2.39
C3H4O4	Malonic acid	1	25	2.83
		2	25	5.69
C3H5ClO2	2-Chloropropanoic acid		25	2.83
C3H5ClO2	3-Chloropropanoic acid		25	3.98
C3H6N6	Melamine		25	5.00
C3H6O2	Propanoic acid		25	4.86
C3H6O3	3-Hydroxypropanoic acid		25	4.51
C3H6O3	Lactic acid		100	3.08
C3H6O4	Glyceric acid		25	3.52
C3H7N	Azetidine		25	11.29
C3H7NO2	<i>L</i> -Alanine	1	25	2.34
		2	25	9.87
C3H7NO2	β -Alanine	1	25	3.55
		2	25	10.24
C3H7NO2	Methylglycine	1	25	2.21
		2	25	10.12
C3H7NO2S	Cysteine	1	25	1.92
		2	25	8.37
		3	25	10.70
C3H7NO3	Serine	1	25	2.19
		2	25	9.21
C3H7NO5S	<i>L</i> -Cysteic acid	1	25	1.3
		2	25	1.9
		3	25	8.70
C3H7N3O2	Glycocyamine		25	2.82
C3H8O3	Glycerol		25	14.15
C3H9N	Propylamine		20	10.60
C3H9N	Trimethylamine		25	9.80

C3H9NO	1-Amino-2-methoxyethane		10	9.89
C3H9NO	Trimethylamine oxide		25	4.65
C3H10N2	1,2-Propanediamine	1	25	9.82
		2	25	6.61
C3H10N2	1,3-Propanediamine	1	10	10.94
		2	10	9.03
C3H11N3	1,2,3-Triaminopropane	1	20	9.59
		2	20	7.95
C4H4N2	Pyrazine		27	0.65
C4H4N2	Pyridazine		20	2.24
C4H4N2O3	Barbituric acid		25	4.01
C4H4N2O5	Alloxanic acid		25	6.64
C4H4N4O2	5-Nitropyrimidinamine		20	0.35
C4H4O4	<i>trans</i> -Fumaric acid	1	18	3.03
		2	18	4.44
C4H4O4	Maleic acid	1	25	1.83
		2	25	6.07
C4H4O5	Oxaloacetic acid	1	25	2.22
		2	25	3.89
		3	25	13.03
C4H5N3	2-Pyrimidinamine		20	3.45
C4H6N2	1-Methylimidazol		25	6.95
C4H6N4O3	Allantoin		25	8.96
C4H6O2	3-Butenoic acid		25	4.34
C4H6O2	<i>trans</i> -Crotonic acid		25	4.69
C4H6O3	Acetoacetic acid		18	3.58
C4H6O3	2-Oxobutanoic acid		25	2.50
C4H6O4	Methymalonic acid	1	25	3.07
		2	25	5.76
C4H6O4	Succinic acid	1	25	4.16
		2	25	5.61
C4H6O5	Malic acid	1	25	3.40
		2	25	5.11
C4H6O6	α -Tartaric acid	1	25	2.98
		2	25	4.34
C4H6O6	<i>meso</i> -Tartaric acid	1	25	3.22
		2	25	4.82

C4H6O8	Dihydroxytartaric acid		25	1.92
C4H7ClO2	2-Chlorobutanoic acid		RT	2.86
C4H7ClO2	3-Chlorobutanoic acid		RT	4.05
C4H7ClO2	4-Chlorobutanoic acid		RT	4.52
C4H7NO2	4-Cyanobutanoic acid		25	2.42
C4H7NO3	<i>N</i> -Acetyl glycine		25	3.669
C4H7NO4	Aspartic acid	1	25	1.99
		2	25	3.90
		3	25	9.90
C4H7N3O	Creatinine	1	25	4.83
		2		9.2
C4H8N2O3	Asparagine	1	20	2.17
		2	20	8.80
C4H8N2O3	<i>N</i> -Glycyl glycine		25	3.139
C4H8O2	Butanoic acid		25	4.83
C4H8O2	2-Methylpropanoic acid		25	4.88
C4H8O3	3-Hydroxybutanoic acid		25	4.70
C4H8O3	4-Hydroxybutanoic acid		25	4.72
C4H9N	Pyrrolidine		25	11.27
C4H9NO	Morpholine		25	8.33
C4H9NO2	2-Aminobutanoic acid	1	25	2.29
		2	25	9.83
C4H9NO2	4-Aminobutanoic acid	1	25	4.031
		2	25	10.556
C4H9NO2	<i>N,N</i> -Dimethyl glycine		25	9.89
C4H9NO2	2-Methylalanine	1	25	2.36
		2	25	10.21
C4H9NO2S	Homocysteine	1	25	2.22
		2	25	8.87
		3	25	10.86
C4H9NO3	Homoserine	1	25	2.71
		2	25	9.62
C4H9NO3	<i>DL</i> -Methoxyalanine		25	2.037
C4H9NO3	Threonine	1	25	2.09
		2	25	9.10

C4H9N3O2	Creatine	1	25	2.63
		2	25	14.3
C4H10N2	Piperazine	1	23	9.83
		2	23	5.56
C4H10N2O2	2,4-Diaminobutanoic acid	1	25	1.85
		2	25	8.24
		3	25	10.44
C4H11N	Butylamine		20	10.77
C4H11N	<i>sec</i> -Butylamine		25	10.56
C4H11N	<i>tert</i> -Butylamine		25	10.68
C4H11N	Diethylamine		40	11.02
C4H12N2	1,4-Butanediamine	1	20	10.80
		2	20	9.35
C4H12O2	1,2-Dimethylaminoethane	1	25	10.40
		2	25	8.26
C5H4BrN	3-Bromopyridine		25	2.84
C5H4ClN	3-Chloropyridine		25	2.84
C5H4N4	Purine	1	20	2.30
		2	20	8.96
C5H4N4O3	Uric acid		12	3.89
C5H5N	Pyridine		25	5.25
C5H5NO	4-Pyridinol	1	20	3.20
		2	20	11.12
C5H5NO	2(1H)-Pyridinone	1	20	0.75
		2	20	11.65
C5H5N5	1H-Purin-6-amine	1	25	4.12
		2	25	9.83
C5H6N2	2-Methylpyrazine		27	1.45
C5H6N2	2-Pyridinamine		20	6.82
C5H6N2	4-Pyridinamine		25	9.114
C5H6O4	1,1-Cyclopropanedicarboxylic acid	1	25	1.82
		2	25	7.43
C5H6O4	Itaconic acid	1	25	3.85
		2	25	5.45
C5H6O4	Mesaconic acid	1	25	3.09
		2	25	4.75
C5H6O5	2-Oxoglutaric acid	1	25	2.47

		2	25	4.68
C5H7NO3	L-2-Pyrrolidone-5-carboxylic acid		25	3.32
C5H7N3	Methylaminopyrazine		25	3.39
C5H7N3	2,5-Pyridinediamine		20	6.48
C5H8N2	2,4-Dimethylimidazol		25	8.36
C5H8O4	Dimethylmalonic acid		25	3.15
C5H8O4	Glutaric acid	1	25	4.31
		2	25	5.41
C5H8O4	Methylsuccinic acid	1	25	4.13
		2	25	5.64
C5H9NO2	Proline	1	25	1.952
		2	25	10.64
C5H9NO3	5-Aminolevulinic acid	1	25	4.05
		2	25	8.90
C5H9NO3	<i>trans</i> -4-Hydroxyroline	1	25	1.818
		2	25	9.662
C5H9NO3	8-Hydroxypurine	1	20	2.56
		2	20	8.26
C5H9NO4	L-Glutamic acid	1	25	2.13
		2	25	4.31
C5H9N3	Histamine	1	25	6.04
		2	25	9.75
C5H10N2O3	L-Glutamine	1	25	2.17
		2	25	9.13
C5H10N2O3	Glycylalanine		25	3.15
C5H10N2O4	Glycylserine	1	25	2.98
		2	25	8.38
C5H10O2	2-Methylbutanoic acid		25	4.80
C5H10O2	3-Methylbutanoic acid		25	4.77
C5H10O2	Pentanoic acid		25	4.84
C5H10O2	Trimethylacetic acid		25	5.03
C5H11N	<i>N</i> -Methylpyrrolidine		25	10.32
C5H11N	Piperidine		25	11.123
C5H11NO2	5-Aminopentanoic acid	1	25	4.27
		2	25	10.766

C5H11NO2	Betaine		0	1.83
C5H11NO2	Norvaline	1	25	2.32
		2	25	9.81
C5H11NO2	N-Propylglycine	1	25	2.35
		2	25	10.19
C5H11NO2	Valine	1	25	2.29
		2	25	9.74
C5H11NO2S	Methionine	1	25	2.13
		2	25	9.27
C5H12N2O2	Ornithine	1	25	1.705
		2	25	8.69
		3	25	10.76
C5H13N	1-Aminno-2,2-dimethylpropane		25	10.15
C5H13N	Diethylmethylaniline		25	10.35
C5H13N	3-Methyl-1-butanamine		25	10.60
C5H13N	2-Methyl 2-butanamine		19	10.85
C5H13N	3-Pentanamine		17	10.59
C5H13N	Pentylamine		25	10.63
C5H14NO	Choline		25	13.9
C5H14N2	Cadaverine	1	25	10.05
		2	25	10.93
C6H3ClN4	6-Chloropteridine		20	3.68
C6H3N3O7	Picric acid		25	0.38
C6H4Cl2O	2,3-Dichlorophenol		25	7.44
C6H4N2O3	5-Hydroxylysine		25	2.13
C6H4N2O5	2,4-Dinitrophenol		15	3.96
C6H4N2O5	3,6-Dinitrophenol		15	5.15
C6H4N4	Pteridine		20	4.05
C6H5Br2N	3,5-Dibromoaniline		25	2.34
C6H5ClO	2-Chlorophenol		25	8.49
C6H5ClO	3-Chlorophenol		25	8.85
C6H5ClO	4-Chlorophenol		25	9.18
C6H5Cl2N	2,4-Dichloroaniline		22	2.05
C6H5NO	2-Pyridinecarboxaldehyde		20	3.80
C6H5NO2	Nitrobenzene		0	3.98
C6H5NO2	Picolinic acid	1	25	1.07

		2	25	5.25
C6H5NO2	3-Pyridinecarboxylic acid		25	4.85
C6H5NO2	4-Pyridinecarboxylic acid		25	4.96
C6H5NO3	2-Nitrophenol		25	7.17
C6H5NO3	3-Nitrophenol		25	8.28
C6H5NO3	4-Nitrophenol		25	7.15
C6H5N5O	2-Amino-4-hydroxypteridine	1	20	2.27
		2	20	7.96
C6H5N5O2	Xanthopterin	2	20	6.59
		3	20	9.31
C6H6BrN	2-Bromoaniline		25	2.53
C6H6BrN	3-Bromoaniline		25	3.58
C6H6BrN	4-Bromoaniline		25	3.86
C6H6ClN	2-Chloroaniline		25	2.65
C6H6ClN	3-Chloroaniline		25	3.46
C6H6ClN	4-Chloroaniline		25	4.15
C6H6FN	2-Fluoroaniline		25	3.20
C6H6FN	3-Fluoroaniline		25	3.50
C6H6FN	4-Fluoroaniline		25	4.65
C6H6IN	2-Iodoaniline		25	2.60
C6H6N2O	2-Pyridinecarboxaldehyde,oxime	1	20	3.59
		2	20	10.18
C6H6N2O2	2-Nitroaniline		25	-0.26
C6H6N2O2	3-Nitroaniline		25	2.466
C6H6N2O2	4-Nitroaniline		25	1.0
C6H6O	Phenol		20	9.89
C6H6O2	Hydroquinone		20	10.35
C6H6O2	Pyrocatechol		20	9.85
C6H6O2	Resorcinol		25	9.81
C6H6O3S	Benzenesulfonic acid		25	0.70
C6H6O6	<i>cis</i> -Aconitic acid		25	1.95
C6H6O6	<i>trans</i> -Aconitic acid	1	25	2.80
		2	25	4.46
C6H7N	Aniline		25	4.63
C6H7N	2-Methylpyridine		20	5.97
C6H7N	3-Methylpyridine		20	5.68
C6H7N	4-Methylpyridine		20	6.02
C6H7NO	Methoxypyridine		25	6.47

C6H7NO3S	<i>o</i> -Aminobenzenesulfonic acid		25	2.48
C6H7NO3S	<i>m</i> -Aminobenzenesulfonic acid		25	3.73
C6H7NO3S	<i>p</i> -Aminobenzenesulfonic acid		25	3.24
C6H8N2	<i>N</i> -Methylpyridinamine		20	9.65
C6H8O6	Ascorbic acid	1	24	4.10
		2	16	11.79
C6H8O7	Citric acid	1	20	3.14
		2	20	4.77
		3	20	6.39
C6H8O7	Isocitric acid	1	25	3.29
		2	25	4.71
		3	25	6.40
C6H9NO6	γ -Carboxyglutamic acid	1	25	1.7
		2	25	3.2
		3	25	4.75
		4	25	9.9
C6H9N3	4,6-Dimethylpyrimidinamine		20	4.82
C6H9N3O2	Histidine	1	25	1.80
		2	25	6.04
		3	25	9.33
C6H10O3	2-Oxo-3-methylpentanoic acid		25	2.3
C6H10O4	Adipic acid	1	25	4.43
		2	25	5.41
C6H10O4	3-Methylglutaric acid		25	4.24
C6H11NO2	<i>l</i> -Pipelic acid	1	25	2.28
		2	25	10.72
C6H11NO3	Adiparnic acid		25	4.63
C6H11NO4	2-Aminoadipic acid	1	25	2.14
		2	25	4.21
		3	25	9.77
C6H11N3O4	Glycylasparagine	1	25	2.942
		2	18	8.44
C6H11N3O4	<i>N</i> -(<i>N</i> -Glycylglycyl)glycine	1	25	3.225
		2	25	8.09
C6H12N2O4S2	Cystine	1	35	2.1
		2	35	8.0
C6H12O2	Hexanoic acid		25	4.85
	4-Methylpentanoic			

C6H12O2	acid		18	4.84
C6H13N	Cyclohexylamine		24	10.66
C6H13N	1,2-Dimethylpyrrolidine		26	10.20
C6H13N	1-Methylpiperidine		25	10.08
C6H13NO2	6-Aminohexanoic acid	1	25	4.373
		2	25	10.804
C6H13NO2	Isoleucine	1	25	2.32
		2	25	9.76
C6H13NO2	L-Leucine	1	25	2.328
		2	25	9.744
C6H13NO2	Norleucine	1	25	2.335
		2	25	9.83
C6H13N3O3	Citrulline	1	25	2.43
		2	25	9.69
C6H14N2	cis-1,2-Cyclohexanediamine	1	20	9.93
		2	20	6.13
C6H14N2	trans-1,2-Cyclohexanediamine	1	20	9.94
		2	20	6.47
C6H14N2	2,5-Dimethylpiperazine	1	25	9.66
		2	25	5.20
C6H14N2O2	Lysine	1	25	2.16
		2	25	9.06
		3	25	10.54
C6H14N4O2	Arginine	1	25	1.82
		2	25	8.99
		3	25	12.48
C6H15N	3-Amino-3-methylpentane		16	11.01
C6H15N	Diisopropylamine		25	11.05
C6H15N	Hexylamine		25	10.56
C6H15N	Triethylamine		25	10.75
C6H16N2	Hexamethylenediamine	1	0	11.857
		2	0	10.762
C7H5BrO2	2-Bromobenzoic acid		25	2.84
C7H5BrO2	3-Bromobenzoic acid		25	3.86
C7H5ClO2	2-Chlorobenzoic acid		25	2.92

C7H5ClO2	3-Chlorobenzoic acid		25	3.82
C7H5ClO2	4-Chlorobenzoic acid		25	3.98
C7H5IO2	2-Iodobenzoic acid		25	2.85
C7H5IO2	3-Iodobenzoic acid		25	3.80
C7H5NO3S	Saccharin		18	11.68
C7H5NO4	Dinicotinic acid		25	2.80
C7H5NO4	Dipicolinic acid	1	25	2.16
		2	25	4.76
C7H5NO4	Lutidinic acid		25	2.15
C7H5NO4	2-Nitrobenzoic acid		18	2.16
C7H5NO4	3-Nitrobenzoic acid		25	3.47
C7H5NO4	4-Nitrobenzoic acid		25	3.41
C7H5NO4	Quinolinic acid	1	25	2.43
		2	25	4.78
C7H6N2	Benzimidazole		25	5.532
C7H6N4O	6-Hydroxy-4-methylpteridine	1	20	4.08
		2	20	6.41
C7H6O2	Benzoic acid		25	4.19
C7H6O3	<i>o</i> -Hydroxy-4-methylpteridine	1	19	2.97
		2	18	13.40
C7H6O3	<i>m</i> -Hydroxybenzoic acid	1	19	4.06
		2	19	9.92
C7H6O3	<i>p</i> -Hydroxybenzoic acid	1	19	4.48
		2	19	9.32
C7H6O4	2,5-Dihydroxybenzoic acid	1	25	2.97
C7H6O4	3,4-Dihydroxybenzoic acid	1	25	4.48
		2	25	8.83
		3	25	12.6
C7H6O4	3,5-Dihydroxybenzoic acid	1	25	4.04
C7H6O4	Dihydroxymalic acid		25	1.92
C7H6O5	Gallic acid		25	4.41
C7H6O5	2,4,6-Trihydroxybenzoic acid		25	1.68
C7H7NO2	2-Aminobenzoic acid	1	25	2.108
		2	25	4.946
C7H7NO2	3-Aminobenzoic acid	2	25	4.78
C7H7NO2	4-Aminobenzoic acid	1	25	2.501

		2	25	4.874
C7H8N4O2	Theobromine		18	7.89
C7H8O	<i>o</i> -Cresol		25	10.20
C7H8O	<i>m</i> -Cresol		25	10.01
C7H8O	<i>p</i> -Cresol		25	10.17
C7H9N	Benzylamine		25	9.33
C7H9N	2,3-Dimethylpyridine		25	6.57
C7H9N	2,4-Dimethylpyridine		25	6.99
C7H9N	2,5-Dimethylpyridine		25	6.40
C7H9N	2,6-Dimethylpyridine		25	6.65
C7H9N	3,4-Dimethylpyridine		25	6.46
C7H9N	3,5-Dimethylpyridine		25	6.15
C7H9N	2-Ethylpyridine		25	5.89
C7H9N	<i>N</i> -Methylaniline		25	4.84
C7H9N	<i>o</i> -Methylaniline		25	4.44
C7H9N	<i>m</i> -Methylaniline		25	4.73
C7H9N	<i>p</i> -Methylaniline		25	5.08
C7H9NO	<i>o</i> -Anisidine		25	4.52
C7H9NO	<i>m</i> -Anisidine		25	4.23
C7H9NO	<i>p</i> -Anisidine		25	5.34
C7H9NS	4-Methylthioaniline		25	4.35
C7H9N5	2-Dimethylaminopurine	1	20	4.00
		2	20	10.24
C7H11N3O2	<i>l</i> -1-Methylhistidine	1	25	1.69
		2	25	6.48
		3	25	8.85
C7H11N3O2	<i>l</i> -3-Methylhistidine	1	25	1.92
		2	25	6.56
		3	25	8.73
C7H12O2	Cyclohexanecarboxylic acid		25	4.90
C7H12O4	Heptanedioic acid	1	25	4.71
		2	25	5.58
C7H13NO	3-Acetylpiperidine		25	3.18
C7H13NO4	α -Ethylglutamic acid	1	25	3.846
		2	25	7.838
C7H14O2	Heptanoic acid		25	4.89

C7H15N	1,2-Dimethylpiperidine		25	10.22
C7H15N	1-Ethylpiperidine		23	10.45
C7H15NO3	Carnitine		25	3.80
C7H17N	2-Heptanamine		19	10.7
C7H17N	Heptylamine		25	10.67
C8H6N2	Cinnoline		20	2.37
C8H6N2	Quinazoline		20	3.43
C8H6N2	Quinoxaline		20	0.56
C8H6N2O	5-Hydroxyquinazoline	1	20	3.62
		2	20	7.41
C8H6O4	<i>o</i> -Phthalic acid	1	25	2.89
		2	25	5.51
C8H6O4	<i>m</i> -Phthalic acid	1	25	3.54
		2	18	4.60
C8H6O4	<i>p</i> -Phthalic acid	1	25	3.51
		2	16	4.82
C8H6O4	Terephthalic acid		25	3.51
C8H7ClO2	2-Chlorophenylacetic acid		25	4.07
C8H7ClO2	3-Chlorophenylacetic acid		25	4.14
C8H7ClO2	4-Chlorophenylacetic acid		25	4.19
C8H7ClO3	2-Chlorophenoxyacetic acid		25	3.05
C8H7ClO3	3-Chlorophenoxyacetic acid		25	3.10
C8H7NO4	2-Nitrophenylacetic acid		25	4.00
C8H7NO4	3-Nitrophenylacetic acid		25	3.97
C8H7NO4	4-Nitrophenylacetic acid		25	3.85
C8H8N2	2-Methylbenzimidazole		25	6.19
C8H8O2	Phenylacetic acid		18	4.28
C8H8O2	<i>o</i> -Toluic acid		25	3.91
C8H8O2	<i>m</i> -Toluic acid		25	4.27
C8H8O2	<i>p</i> -Toluic acid		25	4.36
C8H8O3	<i>DL</i> -Mandelic acid		25	3.85
C8H8O4	Homogentisic acid		25	4.40
C8H9NO2	2-(Methylamino)benzoic acid		25	5.34
C8H9NO2	3-(Methylamino)benzoic acid		25	5.10
C8H9NO2	4-(Methylamino)benzoic acid		25	5.04
C8H9NO2	Phenylglycine	1	25	1.83
		2	25	4.39

C8H10BrN	4-Bromo- <i>N,N</i> -dimethylaniline		25	4.23
C8H10ClN	3-Chloro- <i>N,N</i> -dimethylaniline		20	3.83
C8H10ClN	4-Chloro- <i>N,N</i> -dimethylaniline		20	4.39
C8H10N2O2	<i>N,N</i> -Dimethyl-3-nitroaniline		25	2.62
C8H11N	<i>N,N</i> -Dimethylaniline		25	5.15
C8H11N	<i>N</i> -Ethylaniline		24	5.12
C8H11N	Phenylethylamine		25	9.84
C8H11N	2,4,6-Trimethylpyridine		25	7.43
C8H11NO	<i>o</i> -Phenetidine		28	4.43
C8H11NO	<i>m</i> -Phenetidine		25	4.18
C8H11NO	<i>p</i> -Phenetidine		28	5.20
C8H11NO	Tyramine	1	25	9.74
		2	25	10.52
C8H11NO2	Dopamine	1	25	8.9
		2	25	10.6
C8H11NO3	Noradrenaline	1	25	8.64
		2	25	9.70
C8H12N2O3	Veronal		25	7.43
C8H14O4	Octanedioic acid		25	4.52
C8H16N2O3	<i>N</i> -Glycylleucine		25	3.18
C8H16N2O3	<i>N</i> -Leucylglycine	1	25	3.25
		2	25	8.2
C8H16N2O4S2	Homocystine	1	25	1.59
		2	25	2.54
		3	25	8.52
		4	25	9.44
C8H16O2	Octanoic acid		25	4.89
C8H17N	2,2,4-Trimethylpiperidine		30	11.04
C8H19N	Dibutylamine		21	11.25
C8H19N	<i>N</i> -Methyl-2-heptanamine		17	10.99
C8H19N	Octylamine		25	10.65
C9H6BrN	3-Bromoquinoline		25	2.69
C9H7ClO2	<i>o</i> -Chlorocinnamic acid		25	4.23
C9H7ClO2	<i>m</i> -Chlorocinnamic acid		25	4.29
C9H7ClO2	<i>p</i> -Chlorocinnamic acid		25	4.41
C9H7N	Isoquinoline		20	5.42

C ₉ H ₇ N	Quinoline		20	4.90
C ₉ H ₇ NO	7-Isoquinolinol	1	20	5.68
		2	20	8.90
C ₉ H ₇ NO	3-Quinolol	1	20	4.28
		2	20	8.08
C ₉ H ₇ NO	8-Quinolol	1	20	5.017
		2	25	9.812
C ₉ H ₇ NO ₃	<i>o</i> -Cyanophenoxyacetic acid		25	2.98
C ₉ H ₇ NO ₃	<i>m</i> -Cyanophenoxyacetic acid		25	3.03
C ₉ H ₇ NO ₃	<i>p</i> -Cyanophenoxyacetic acid		25	2.93
C ₉ H ₈ N ₂	1-Isoquinolinamine		20	7.59
C ₉ H ₈ N ₂	3-Quinolamine		20	4.91
C ₉ H ₈ O ₂	<i>cis</i> -Cinnamic acid		25	3.89
C ₉ H ₈ O ₂	<i>trans</i> -Cinnamic acid		25	4.44
C ₉ H ₉ ClO ₂	3-(2-Chlorophenyl)propanoic acid		25	4.58
C ₉ H ₉ ClO ₂	3-(3-Chlorophenyl)propanoic acid		25	4.59
C ₉ H ₉ ClO ₂	3-(4-Chlorophenyl)propanoic acid		25	4.61
C ₉ H ₉ I ₂ NO ₃	3,5-Diiodityrosine	1	25	2.12
		2	25	5.32
		3	25	9.48
C ₉ H ₉ NO ₃	Hippuric acid		25	3.62
C ₉ H ₉ NO ₄	3-(2-Nitrophenyl)propanoic acid		25	4.50
C ₉ H ₉ NO ₄	3-(4-Nitrophenyl)propanoic acid		25	4.47
C ₉ H ₁₀ INO ₃	3-Iodotyrosine	1	25	2.2
		2	25	8.7
		3	25	9.1
C ₉ H ₁₀ N ₂	2-Ethylbenzimidazole		25	6.18
C ₉ H ₁₀ O ₂	Mesitylenic acid		25	4.32
C ₉ H ₁₀ O ₂	α -Phenylpropanoic acid		25	4.64
C ₉ H ₁₀ O ₂	β -Phenylpropanoic acid		25	4.37
C ₉ H ₁₁ N	<i>N</i> -Allylaniline		25	4.17
C ₉ H ₁₁ N	1-Aminoindane		22	9.21
C ₉ H ₁₁ NO ₂	Phenylalanine	1	25	2.20
		2	25	9.31

C9H11NO3	Tyrosine	1	25	2.20
		2	25	9.21
		3	25	10.46
C9H11NO4	<i>L</i> -3,4-Dihydroxyphenylalanine	1	25	2.32
		2	25	8.72
		3	25	9.96
		4	25	11.79
C9H12N2O2	Tyrosineamide		25	7.33
C9H13NO3	<i>D</i> -Adrenaline	1	25	8.66
		2	25	9.95
C9H14N4O3	<i>N</i> - β -Alanylhistidine	1	20	2.73
		2	20	6.87
		3	20	9.73
C9H14N4O3	<i>L</i> -Carnosine	1	25	2.62
		2	25	6.66
		3	25	9.24
C9H18O2	Nonanic acid		25	4.96
C9H19N	1-Butylpiperidine		23	10.47
C9H19N	2,2,6,6-Tetramethylpiperidine		25	11.07
C9H21N	Nonylamine		25	10.64
C10H7NO2	8-Quinolinecarboxylic acid		25	1.82
C10H8O	1-Naphthol		25	9.34
C10H8O	2-Naphthol		25	9.51
C10H9N	2-Methylquinoline		20	5.83
C10H9N	4-Methylquinoline		20	5.67
C10H9N	5-Methylquinoline		20	5.20
C10H9N	α -Naphthylamine		25	3.92
C10H9N	β -Naphthylamine		25	4.16
C10H9NO	1-Amino-6-hydroxynaphthalene		25	3.97
C10H9NO	6-Methoxyquinoline		20	5.03
C10H10O2	<i>o</i> -Methylcinnamic acid		25	4.50
C10H10O2	<i>m</i> -Methylcinnamic acid		25	4.44
C10H10O2	<i>p</i> -Methylcinnamic acid		25	4.56
C10H12N2	Tryptamine		25	10.2
C10H12N2O	5-Hydroxytryptamine	1	25	9.8
		2	25	11.1

C10H12O2	4-Phenylbutanoic acid		25	4.76
C10H12O3	2-(<i>m</i> -Anisyl)propanoic acid		25	4.65
C10H12O3	2-(<i>p</i> -Anisyl)propanoic acid		25	4.69
C10H12O3	2-(<i>o</i> -Anisyl)propanoic acid		25	4.80
C10H14N2	Nicotine	1	25	8.02
		2	25	3.12
C10H15N	<i>N,N</i> -Diethylaniline		22	6.61
C10H15NO	δ -Ephedrine		10	10.139
C10H15NO	<i>l</i> -Ephedrine		10	9.958
C10H17N3O6S	<i>l</i> -Glutathione	1	25	2.12
		2	25	3.59
		3	25	8.75
		4	25	9.65
C10H17N5O6	Tetraglycylglycine	1	20	3.10
		2	20	8.02
C10H18N4O5	<i>L</i> -Argininosuccinic acid	1	25	1.62
		2	25	2.70
		3	25	4.26
		4	25	9.58
C10H19N	Bornylamine		25	10.17
C10H19N	Neobornylamine		25	10.01
C10H21N	Butylcyclohexylamine		25	11.23
C10H23N	Decylamine		25	10.64
C11H8N2	Perimidine		20	6.35
C11H8O2	1-Naphthoic acid		25	3.70
C11H8O2	2-Naphthoic acid		25	4.17
C11H11N	Methyl-1-naphthylamine		27	3.67
C11H12N2O2	Tryptophan	1	25	2.46
		2	25	9.41
C11H16N2O2	Pilocarpine		30	6.87
C11H25N	Undecylamine		25	10.63
C12H8N2	1,10-Phenanthroline		25	4.84
C12H11N	2-Aminobiphenyl		22	3.82
C12H11N	2-Benzylpyridine		25	5.13
C12H11N	Diphenylamine		25	0.79
C12H11N3	4-Aminoazobenzene		25	2.82

C12H12N2	<i>p</i> -Benzidine	1	30	4.66
		2	30	3.57
C12H13N	<i>N,N</i> -Dimethyl-1-naphthylamine		25	4.83
C12H13N	<i>N,N</i> -Dimethyl-2-naphthylamine		25	4.566
C12H27N	Dodecylamine		25	10.63
C13H9N	Acridine		20	5.58
C13H9N	Phenanthridine		20	5.58
C13H10N2	2-Phenylbenzimidazole	1	25	5.23
		2	25	11.91
C13H10O2	2-Phenylbenzoic acid		25	3.46
C13H12N2O	4-(<i>p</i> -Aminobenzoyl)aniline	1	25	2.93
C13H13N	4-Benzylaniline		25	2.17
C13H29N	Tridecylamine		25	10.63
C14H12O2	Diphenylacetic acid		25	3.94
C14H15N3	4-Dimethylaminoazobenzene		25	3.226
C14H31N	Tetradecylamine		25	10.62
C15H11I4NO4	<i>L</i> -Thyroxine	1	25	2.2
		2	25	6.45
		3	25	10.1
C15H33N	Pentadecylamine		25	10.61
C16H35N	Hexadecylamine		25	10.63
C17H19NO3	Morphine		25	8.21
C18H21NO3	Codeine		25	8.21
C18H39N	Octadecylamine		25	10.60
C20H21NO4	Papaverine		25	6.40
C20H24N2O2	Quinine	1	25	8.52
		2	25	4.13
C21H22N2O2	Strychnine		25	8.26
C23H26N2O4	Brucine	1	25	8.28

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