

Description	CAS #	Chemical Formula	Concentration		Molarity	
			g/L	mg/L	mM	uM
Calcium Chloride Anhydrous	10043-52-4	CaCl ₂	0.200	200.000	1.802	1.802E+03
Dextrose	50-99-7	C ₆ H ₁₂ O ₆	1.000	1.000E+03	5.551	5.551E+03
Magnesium Sulfate Anhydrous	7487-88-9	MgSO ₄	0.100	100.000	0.831	830.772
Potassium Chloride	7447-40-7	KCl	0.400	400.000	5.366	5.366E+03
Sodium Acetate Trihydrate	6131-90-4	CH ₃ COONa • 3H ₂ O	5.000E-02	50.000	0.367	367.377
Sodium Bicarbonate	144-55-8	NaHCO ₃	2.200	2.200E+03	26.187	2.619E+04
Sodium Chloride	7647-14-5	NaCl	6.800	6.800E+03	116.359	1.164E+05
Sodium phosphate monobasic monohydrate	10049-21-5	NaH ₂ PO ₄ • H ₂ O	0.140	140.000	1.015	1.015E+03
L-Alanine	56-41-7	HO ₂ CCH(NH ₂)CH ₃	3.148E-02	31.480	0.353	353.351
L-Arginine Monohydrochloride	1119-34-2	C ₆ H ₁₄ N ₄ O ₂ • HCl	3.116E-02	31.160	0.148	147.916
L-Asparagine Monohydrate	5794-13-8	NH ₂ COCH ₂ CH(NH ₂)COOH • H ₂ O	9.190E-03	9.190	6.121E-02	61.214
L-Aspartic Acid	56-84-8	HO ₂ CCH(NH ₂)CH ₂ CO ₂ H	9.910E-03	9.910	7.446E-02	74.455
L-Cysteine Monohydrochloride Monohydrate	7048-04-6	C ₃ H ₇ NO ₂ S • HCl • H ₂ O	0.289	288.550	1.643	1.643E+03
L-Cystine	56-89-3	C ₆ H ₁₂ N ₂ O ₄ S ₂	1.049E-02	10.490	4.365E-02	43.654
L-Glutamic Acid	56-86-0	C ₅ H ₉ NO ₄	8.260E-03	8.260	5.615E-02	56.152
L-Glutamine	56-85-9	C ₅ H ₁₀ N ₂ O ₃	0.136	135.700	0.928	928.498
Glutathione Reduced	70-18-8	C ₁₀ H ₁₇ N ₃ O ₆ S	1.000E-02	10.000	3.254E-02	32.538
Glycine	56-40-6	HO ₂ CCH ₂ NH ₂	1.351E-02	13.510	0.180	179.965
L-Histidine Monohydrochloride Monohydrate	5934-29-2	C ₆ H ₉ N ₃ O ₂ • HCl • H ₂ O	2.665E-02	26.650	0.127	127.147
L-Hydroxyproline	51-35-4	C ₅ H ₉ NO ₃	4.090E-03	4.090	3.119E-02	31.190
L-Isoleucine	73-32-5	HO ₂ CCH(NH ₂)CH(CH ₃)CH ₂ CH ₃	1.804E-02	18.040	0.138	137.531
L-Leucine	61-90-5	HO ₂ CCH(NH ₂)CH ₂ CH(CH ₃) ₂	2.044E-02	20.440	0.156	155.828
L-Lysine Monohydrochloride	657-27-2	C ₆ H ₁₄ N ₂ O ₂ • HCl	3.843E-02	38.430	0.210	210.402
L-Methionine	63-68-3	HO ₂ CCH(NH ₂)CH ₂ CH ₂ SCH ₃	4.440E-03	4.440	2.976E-02	29.759
L-Ornithine-HCl	3184-13-2	C ₅ H ₁₂ O ₂ N ₂ • HCl	9.410E-03	9.410	5.581E-02	55.806
L-Phenylalanine	63-91-2	HO ₂ CCH(NH ₂)CH ₂ C ₆ H ₅	1.653E-02	16.530	0.100	100.067
L-Proline	147-85-3	C ₅ H ₉ NO ₂	6.130E-03	6.130	5.324E-02	53.244
L-Serine	56-45-1	HO ₂ CCH(NH ₂)CH ₂ OH	1.075E-02	10.750	0.102	102.293
L-Taurine	107-35-7	C ₂ H ₇ NO ₃ S	4.180E-03	4.180	3.340E-02	33.400
L-Threonine	72-19-5	HO ₂ CCH(NH ₂)CH(OH)CH ₃	1.893E-02	18.930	0.159	158.915
L-Tryptophan	73-22-3	C ₁₁ H ₁₂ N ₂ O ₂	1.750E-02	17.500	8.569E-02	85.688
L-Valine	72-18-4	HO ₂ CCH(NH ₂)CH(CH ₃) ₂	2.500E-02	25.000	0.213	213.493
L-Ascorbic Acid (Vitamin C)	50-81-7	C ₆ H ₈ O ₆	5.000E-02	50.000	0.284	283.881
D-Biotin (Vitamin H)	58-85-5	C ₁₀ H ₁₆ N ₂ O ₃ S	2.500E-05	0.025	1.023E-04	0.102
Calciferol (Vitamin D2)	50-14-6	C ₂₈ H ₄₄ O	2.500E-04	0.250	6.302E-04	0.630
D-Calcium Pantothenate (Vitamin B5)	137-08-6	C ₁₈ H ₃₂ CaN ₂ O ₁₀	2.500E-05	0.025	5.246E-05	0.052
Choline Chloride	67-48-1	HOCH ₂ CH ₂ N(CH ₃) ₃ Cl	1.250E-03	1.250	8.952E-03	8.952
Cyanocobalamin (Vitamin B12)	68-19-9	C ₆₃ H ₈₈ CoN ₁₄ O ₁₄ P	1.000E-02	10.000	7.378E-03	7.378
Folic Acid	59-30-3	C ₁₉ H ₁₉ N ₇ O ₆	2.500E-04	0.250	5.664E-04	0.566
Inositol	87-89-8	C ₆ H ₁₂ O ₆	1.250E-04	0.125	6.937E-04	0.694
Menadione	58-27-5	C ₁₁ H ₈ O ₂	2.500E-05	0.025	1.452E-04	0.145
Nicotinic Acid (Niacin)	59-67-6	C ₆ H ₅ NO ₂	6.300E-05	0.063	5.117E-04	0.512
Niacinamide (Nicotinamide)	98-92-0	C ₆ H ₆ N ₂ O	6.300E-05	0.063	5.159E-04	0.516
Pyridoxal hydrochloride	65-22-5	C ₈ H ₉ NO ₃ • HCl	6.300E-05	0.063	3.094E-04	0.309
Pyridoxine Monohydrochloride	58-56-0	C ₈ H ₁₁ NO ₃	6.300E-05	0.063	3.064E-04	0.306
Riboflavin (Vitamin B2)	83-88-5	C ₁₇ H ₂₀ N ₄ O ₆	2.500E-05	0.025	6.643E-05	0.066
Thiamine Monohydrochloride (Vitamin B1)	67-03-8	C ₁₂ H ₁₈ N ₄ O ₅ Cl ₂	2.500E-05	0.025	7.412E-05	0.074
DL-α-Tocopherol Phosphate Disodium Salt	60934-46-5	C ₂₉ H ₄₉ O ₅ PNa ₂	2.500E-05	0.025	4.507E-05	0.045
Retinyl acetate (Vitamin A acetate)	127-47-9	C ₂₂ H ₃₂ O ₂	2.750E-04	0.275	8.371E-04	0.837
Coccarboxylase	154-87-0	C ₁₂ H ₁₉ CIN ₄ O ₇ P ₂ S	1.000E-03	1.000	2.170E-03	2.170
2' Deoxyadenosine	16373-93-6	C ₁₀ H ₁₃ N ₅ O ₃ • H ₂ O	1.000E-02	10.000	3.714E-02	37.139
2'-Deoxycytidine, Hydrochloride	3992-42-5	C ₉ H ₁₃ N ₃ O ₄ • HCl	1.000E-02	10.000	3.792E-02	37.925
Deoxyguanosine	961-07-9	C ₁₀ H ₁₃ N ₅ O ₄ • H ₂ O	1.000E-02	10.000	3.506E-02	35.056

β -Nicotinamide Adenine Dinucleotide	53-84-9	C ₂₁ H ₂₇ N ₇ O ₁₄ P ₂ ·3H ₂ O	7.000E-03	7.000	9.756E-03	9.756
Flavin Adenine Dinucleotide Disodium Salt	84366-81-4	C ₂₇ H ₃₁ N ₉ Na ₂ O ₁₅ P ₂	1.000E-03	1.000	1.206E-03	1.206
5-Methylcytosine Hydrochloride	58366-64-6	C ₅ H ₇ N ₃ O·HCl	1.616E-04	0.162	1.000E-03	1.000
Triphosphopyridine Dinucleotide.Na	1184-16-3	C ₂₁ H ₂₇ N ₇ O ₁₇ P ₃ Na·4H ₂ O	1.000E-03	1.000	1.194E-03	1.194
Thymidine	50-89-5	C ₁₀ H ₁₄ N ₂ O ₅	1.000E-02	10.000	4.128E-02	41.283
Uridine 5'-Triphosphate	19817-92-6	19817-92-6	1.000E-03	1.000	1.706E-03	1.706
Phenol Red	34487-61-1	C ₁₉ H ₁₄ O ₅ S	2.000E-02	20.000	5.313E-02	53.135
P-Aminobenzoic Acid	150-13-0	C ₇ H ₇ NO ₂	1.250E-04	0.125	9.117E-04	0.912
L- α -Amino-n-butyric acid	1492-24-6	C ₄ H ₉ O ₂ N	5.510E-03	5.510	5.344E-02	53.443
Coenzyme A	85-61-0	C ₂₁ H ₃₆ N ₇ O ₁₆ P ₃ S·3H ₂ O	2.500E-03	2.500	3.043E-03	3.043
Glucosamine Hydrochloride	66-84-2	C ₆ H ₁₃ NO ₅ ·HCl	3.850E-03	3.850	1.785E-02	17.855
Sodium Glucuronate Monohydrate	207300-70-7	207300-70-7	1.800E-03	1.800	7.689E-03	7.689
Glucuronolactone	32449-92-6	C ₆ H ₈ O ₆	1.800E-03	1.800	1.022E-02	10.220
L-Tyrosine Disodium Salt, Dihydrate	122666-78-9	C ₉ H ₉ NO ₃ Na ₂ · 2H ₂ O	2.364E-02	23.641	9.051E-02	90.513
Tween 80	9005-65-6	N/A (Complex mixture of fatty acid esters)	5.400E-03	5.400	N/A	