lactic acid pyruvic acid glycerol glyceric acid citric acid

CHX 1 116.442146 52.7953518 3286.17705 1.96392147 170.257141

CHX 2 122.764541 63.4095206 3066.10822 1.80608682 173.569202

CHX 3 135.746381 61.8444506 3276.38016 1.67637229 214.016473

CHX 4 140.461227 45.4579777 2390.14977 1.95621808 178.998425

CHX 5 147.929518 66.2854254 3704.17216 1.5645384 218.463319

CHX 6 116.10042 3.89059838 1843.9029 2.7063732 121.128143

DMSO 1 71.5953453 48.8728557 3259.26081 1.36230145 203.219281

DMSO 2 69.2957727 39.0247271 2251.00142 1.29558367 259.27104

DMSO 3 72.203743 53.8758806 3096.56294 1.41884869 194.748553

DMSO 4 75.1761166 50.6580908 1750.53235 1.57010789 324.600941

DMSO 5 92.2003957 51.5939123 3820.22633 1.5595411 332.95659

DMSO 6 84.2406176 53.8882847 2254.07063 1.47893532 262.73666

aconitate isocitric acid 2-ketoglutarics auccidcinic acid fumaric acid malic acid 2-hydroxyglutarate

0.98861058 4.68814212 0 16.2344931 36.7381879 51.6493615 0.14962156

1.23309464 4.95560798 0 19.5620689 44.2597738 60.9965654 0.13066544

1.12888993 4.80801823 0 21.3038492 46.771138 64.3303481 0

1.20214519 4.23234586 0 21.3693726 45.0367301 61.8071522 0.25334465

1.84712022 6.90602411 0 28.0679567 49.792296 71.020394 0.21503788

1.03694465 3.10261016 0 23.2531286 29.1488355 45.4379127 0.22802316

0 4.57593565 0 44.9233458 61.6365724 117.42107 0.57752267

1.03064409 4.29920275 0 44.6855058 73.5775069 121.607268 0.61236951

1.56654287 3.74158573 0.72665533 39.9778589 79.1847542 135.593098 0.8103487

2.38802456 7.09185682 0 44.211317 75.0454771 131.339728 0.73677414

2.05810519 7.83846005 0.6642993 49.9678055 73.1503567 137.840067 0.64528051

1.12002649 5.32108804 0 47.6598212 81.6041291 145.683308 0.45705548

2-aminoadipicl yascinide valine leucine isoleucine threonine homoserine

2.61671479 38.1900712 931.42855 833.846479 611.718315 37.519545 9.03825035

3.75542167 44.0758743 1149.17355 916.114792 644.818484 50.0448654 10.1619

4.80216906 52.0634675 1354.35791 1214.048 846.935337 52.0892039 9.36218247

4.99635384 45.2890813 1263.08203 1094.66745 819.814335 50.1304478 10.6563713

5.4820874 62.5222626 2130.43262 2005.55213 1399.51337 93.4380926 12.4680615

2.88505364 34.4726155 1262.93204 1218.1326 825.519335 45.913397 10.6782123

7.21321153 107.124633 4580.09474 4475.89032 3044.53882 201.802255 9.16118618

8.37131443 106.347525 3133.4123 2757.77941 1996.33722 151.350376 7.61434419

7.93117712 119.856776 3229.61668 2941.24873 2141.53007 157.798424 8.30238181

8.08828705 110.521801 3049.25501 2804.4261 1964.8963 126.782764 7.63470033

7.01385948 102.44745 3172.36471 2950.62187 2093.68936 135.282039 8.43483508

7.93833206 137.158982 2906.62942 2688.65149 1909.70001 110.748873 7.64292988

glycine serine alanine glutamic acid glutamine proline aspartic acid

33.6770417 143.040425 4.15282944 207.573865 101.0411 797.182547 1007.67459

36.6134255 170.90653 6.10933547 292.183421 121.385295 856.763643 1168.20328

45.6867017 154.675467 5.54969307 373.477732 176.320908 964.240453 1227.20045

41.95288 131.672651 6.04947276 382.485839 161.095403 1000.93489 1021.11305

59.5337875 288.350629 8.1424919 473.30388 202.969565 1571.68703 1422.00274

30.9662922 101.817946 5.48975094 202.113745 231.285756 815.519211 524.102627

131.845165 402.691652 19.9780926 800.971543 493.579281 2915.71633 1745.00104

113.443636 228.139183 15.2218951 806.034523 389.989125 1794.21064 1774.02574

112.558714 287.661973 16.1341115 816.729087 403.960303 1912.04188 2051.01422

101.656169 235.881325 1.64313616 708.989318 461.852713 1974.54658 1858.98827

104.822082 306.269147 15.8086932 707.128266 372.182853 1749.49538 2048.0592

100.452135 211.642668 4.01054158 784.724812 371.165616 1691.49402 2033.53318

asparagine methionine cysteine homocysteinephenylalaninetyrosine tryptophan

0.9198955 106.343245 102.008653 0.7082087 206.088733 35.0668597 102.372178

1.11597969 128.916464 128.134407 0.89239659 255.641619 47.7199883 129.500103

1.45059431 142.827387 134.610473 1.41432945 331.472498 60.7366177 158.849436

1.39985336 121.904476 129.947921 1.34918443 314.315265 60.5245329 160.408889

1.7919823 228.044911 125.145152 1.31366087 514.083883 91.5509974 229.034637

1.23057743 73.7718458 17.3731217 1.24029645 254.005834 68.2514426 134.242839

3.92040085 481.299939 157.839506 2.19249029 1015.87751 181.797382 508.080224

4.91739511 377.493293 353.42358 2.71441763 806.125748 172.224315 469.514671

4.37962456 424.533117 200.791214 2.03916422 849.865752 160.876371 475.351728

4.13177745 355.534906 314.593633 2.01476894 682.081644 152.952851 429.891483

2.98595064 394.260956 141.052885 1.19818401 795.7966 136.497884 391.417646

4.05576602 315.019958 225.49193 1.6482864 620.368623 133.71519 348.768935

histidine 4-hydroxyproolinrnei?thine phosphate diphosphate 1-phosphogly3c-eprhool sphoglycerate

6.95352332 7.54757632 72.5631302 31885.9209 348.842106 116.271466 108.670691

9.29660443 8.27838185 80.2034179 29390.3075 328.340969 149.933275 114.098034

5.10398627 11.5813578 67.4046722 32241.6473 483.845732 254.653001 112.27366

0.32984479 10.3175849 63.5388374 28453.033 436.8536 250.336303 111.396138

9.65602772 11.8436246 72.9364366 36150.1759 498.683863 204.725707 77.9002276

3.83153664 7.91053448 33.7728461 19170.6103 227.226197 166.735018 89.8478521

36.3292031 23.3302856 68.3584239 34776.722 383.109442 32.3296257 38.9932593

29.3355081 20.623557 62.3432922 30218.2955 314.833626 55.9595099 38.1532408

16.180389 21.9473542 76.3559185 30727.4193 300.372533 42.4187513 60.9868628

28.6498033 20.1558036 72.4643334 28953.5774 277.584526 52.7369623 58.7220351

10.612487 16.1225033 77.6184148 39528.5919 360.58003 30.2045616 42.3874576

29.7865463 18.007986 60.4766192 32252.7475 347.9828 50.6504074 50.2828386

2-phosphoglyDceHrAatPe phosphoenolpfryurucvtoaste ribose galactose or isgolumcoesre

6.17770784 0.36463328 5.76320071 1.16261491 7.93326745 0.98196074 13.342918

5.1017597 0.59138212 3.95383957 1.32407651 7.04141564 1.19437896 15.2646276

6.57914709 0.59544557 3.77505471 1.60618225 4.8513021 1.12538042 75.2355418

6.14783009 0 4.79566514 1.45847036 4.34163179 0.93687844 16.7217402

4.32419114 0.52794556 2.20965202 1.54661857 4.30351442 0.60789554 9.91104058

5.71553125 0.01869042 1.75465688 1.12890153 6.14615858 1.27543444 14.6615151

1.60448838 0 1.34483605 2.06441066 22.552493 0.89073556 3.41623287

2.01567587 0 1.98170926 2.58049212 12.9325453 1.05781738 3.36754707

3.03462295 0.01181553 3.10650078 3.70023136 32.5596729 1.48186488 7.17498295

2.60305225 0.04138269 2.16893974 1.71941014 25.7416551 1.28367477 4.03765212

2.13961431 0 1.53101291 1.59893717 23.9826991 1.20361796 7.92812008

2.44500627 0 1.30284868 2.24390186 27.6571489 1.20277758 18.714257

glucose-6-phomsapnhnaiteol sorbitol inositol myo-inositol psheodsophheaptetulosesedoheptulose-7-P

35.9523977 0.5098216 3.6241666 264.554187 11.4044876 1.67465313 14.3625612

38.3527278 0.87110297 5.69314183 318.76174 20.5057638 2.5010334 19.2717013

34.1954212 1.24002417 7.41206899 473.517266 15.155201 2.34551741 17.4831709

30.7351764 1.28162586 5.28844531 434.402614 11.6667694 2.24433552 17.9457426

22.0055427 0.90977563 4.72531949 544.151968 11.5376091 1.25576606 11.964928

19.4208444 0.44857014 3.86667464 316.478946 8.10042918 1.24777262 11.5177861

0.6671784 2.20064081 9.8423369 525.642269 9.75966733 1.08401936 27.084183

1.18786099 2.18356799 11.6563712 557.923942 7.49594628 0.74338359 20.6429665

1.27213915 1.91017798 7.04698134 540.053592 8.75924912 2.17504286 48.4771663

2.13161417 2.5884466 11.9612198 507.668218 11.6593696 1.40701141 31.8573674

1.48346592 2.13282188 13.4557967 475.937166 13.980172 1.46988107 25.8506163

2.21792187 2.40555517 16.2067063 489.955779 9.34702517 2.40074406 33.112948

myristic acid palmitiladic acpidalmitic acid linoleic acid oleic acid elaidic acid stearic acid

16.0272395 2.84391789 745.728248 0.99747705 40.3545964 11.5618673 340.053225

15.0894391 2.47296453 709.527884 1.12081915 37.3045006 13.0588013 331.298848

15.1645597 2.57363506 922.15684 1.30202538 38.1155353 12.7149271 450.275002

12.7715507 2.44403071 721.269229 1.17233993 40.3781691 13.456078 345.761793

15.8287175 2.69900104 720.123251 0.97594113 32.7657072 10.8056533 350.089933

9.27867342 2.28322203 693.757836 1.03245895 29.76861 10.0741378 323.836991

20.2901411 3.52801145 645.104462 1.22956439 40.7316491 12.8894676 294.307181

19.2348078 3.17927499 949.49397 1.16748102 37.7048815 10.6082585 477.110576

24.5910799 4.62282763 725.975941 1.83239238 58.4740926 17.4732054 336.764378

17.8635272 3.16780424 693.7045 1.31207465 37.078889 11.0540464 323.156604

26.709179 3.32964741 730.740098 1.18459916 43.4294158 12.9898362 348.379474

21.0717011 3.21189726 822.932726 1.41735311 40.2285802 11.6361515 382.275432

1-monooleoylg1l-ymcoenroolsteary1lg-mlycoenrooplalmito2y-mlgolyncoesrtoelaryclghloylceesrtoelrol xanthine hypoxanthine

3.55766813 5.57257177 26.9473966 2.59565694 715.103486 26.1217072 206.71936

3.25405352 6.02803252 30.6512097 2.23099148 672.335659 27.3884451 232.484799

3.85109392 6.00124904 31.8323562 2.26245919 960.360113 25.9083163 189.98691

2.77983656 7.4582677 28.2851847 2.47582298 929.819561 34.6297294 205.81421

3.12769834 6.10376741 28.4883833 0 775.611294 27.2160758 190.658646

2.21668413 4.80418624 21.0723301 1.64400958 652.707687 68.1916332 280.274849

4.0007417 5.63201036 32.5461967 2.83638148 377.258532 28.6153167 756.527913

2.82796316 5.80149753 24.2919512 1.41883395 468.193855 23.7591607 648.756488

3.89912618 7.15824428 32.3341931 3.6874312 464.450914 37.8431858 1244.95948

3.00795346 5.85362187 27.2289976 3.06231895 347.169111 34.4368883 1104.87721

4.31047378 6.12541011 31.9257625 1.58942777 420.361533 27.2743089 812.182649

2.75869067 5.72810797 29.7345863 2.40459295 350.890635 29.9991974 857.937402

adenosine adenine uracil adenosine-5'-rmiboonsoep(hxoysl)p-5h-appthheoosspphhoaetethan4o-alammininoebutyrate

31.8339258 116.330206 26.0241762 132.064853 17.602145 10.7217699 7.54757632

36.599875 129.600763 31.7313774 187.279394 25.9017627 16.9613426 8.27838185

26.7342192 113.993316 24.2272646 201.964842 23.9441648 21.0675427 11.5813578

27.8122747 150.67648 32.0485946 196.703738 16.2150509 20.5825139 10.3175849

25.9575529 140.416976 32.4652055 246.948946 20.6505284 16.9273405 11.8436246

33.1904525 146.531418 32.2185506 127.624187 4.24795926 19.9643619 7.91053448

109.518558 97.082026 18.5063413 155.433938 18.5855178 15.0027814 23.3302856

69.9654002 109.857732 19.6841376 186.656244 10.8741686 14.2620956 20.623557

186.445186 116.060051 27.6709957 137.945374 22.7015791 13.9255913 21.9473542

147.520359 135.902372 28.6311405 165.86993 20.6783615 16.3664476 20.1558036

111.571037 118.093125 33.0682486 149.429305 22.9665521 11.3501445 16.1225033

108.774394 99.0097641 22.6199164 195.991164 18.705597 14.7604865 18.007986

B-alanine pantothenic acirdeatinine 3-hydroxybutyNr-amteethylalanisnne-glycero-3-npihcoostinpihco aecthidanolami

43.4899992 10.1044425 12.5748606 0.50206345 10.3804111 1.56936389 55.5627964

61.5269704 14.0441156 12.9736268 0.71333654 10.4987265 1.93481648 59.1798318

73.7545318 19.5502678 16.791799 0.63054059 11.1485192 1.71146732 51.4422856

72.4684911 18.7981728 16.4395838 0.71830659 11.5137691 1.90654266 52.3340495

93.971552 22.8381252 26.1022899 0.80087824 12.8622976 3.5522603 57.6563414

65.6833785 19.9658571 3.18709087 0.78499775 8.92505062 0.45006538 48.9681597

245.209604 52.6139451 52.4066889 1.62078942 23.2825469 1.40421842 41.5897825

201.601554 53.4479215 52.9985917 1.85651803 15.6605496 1.07722687 34.2655193

199.727816 50.6207011 54.2923782 1.54881957 16.0317102 2.50981632 48.7459697

225.581092 50.1939555 39.1131321 1.62366196 14.3468101 0.72054564 39.3338398

168.943946 42.3983255 34.9171471 1.71440842 16.8248402 3.51983535 39.7628641

155.613439 45.8575793 36.8810096 1.77241305 13.6914578 2.02451523 37.3351785

1-methylnicoticnyatmosidinee

35.2574887 4.38557408

40.3911087 6.33388645

39.1859335 4.06166407

36.6763568 5.44144561

51.4078369 5.25877884

40.429627 3.80013673

29.8588534 1.93400232

23.4913097 1.83031521

34.855825 2.57874027

30.2523682 2.57221809

37.1206102 2.6938763

35.0402788 2.36610406