Supplementary Information (SI) for Faraday Discussions.
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68 pheny-arabinoside_threo
XYZ file generated by Avogadro.
O     -2.95330   -1.58900    0.35350
C     -3.32370   -0.22870    0.24090
H     -2.41860    0.38360    0.14380
O     -4.05490    0.14000    1.39270
C     -5.13090    1.03010    1.02590
H     -6.08560    0.53340    1.22430
C     -5.02390    2.28460    1.86770
H     -5.19470    2.03270    2.91870
H     -5.78880    2.99610    1.55040
O     -3.76200    2.91710    1.70720
H     -3.08420    2.28040    1.96740
C     -4.98500    1.25950   -0.48110
H     -4.33320    2.11790   -0.67880
O     -6.26290    1.46750   -1.04970
H     -6.14510    1.81650   -1.94070
C     -4.27980   -0.00690   -0.92110
H     -4.99770   -0.83700   -0.93710
O     -3.63190    0.13770   -2.16530
H     -3.08920   -0.65490   -2.30350
C     -1.59670   -1.83770    0.29270
C      1.12680   -2.33080    0.15570
C     -0.81320   -1.73440    1.44270
C     -1.01560   -2.18940   -0.92710
C      0.34880   -2.45980   -0.99340
C      0.55830   -1.98120    1.37560
H      0.82010   -2.72240   -1.93230
H      1.18560   -1.87460    2.24870
O     -1.47520   -1.35930    2.56770
C     -0.70220   -1.18770    3.75390
H     -1.40650   -0.88130    4.52370
H      0.05310   -0.41130    3.61330
H     -0.22400   -2.12610    4.04330
C      2.62900   -2.43810    0.01050
C      3.18420   -1.12970   -0.56850
H      2.66480   -0.93330   -1.51230
C      4.68130   -1.17240   -0.84450
H      4.98740   -0.25410   -1.35550
H      4.89910   -2.01820   -1.49900
O      5.43990   -1.34490    0.35000
H      5.39010   -0.50000    0.82350
O      2.88600   -0.08700    0.37750
O      3.21480   -2.75470    1.26340
H      4.14560   -2.48460    1.22460
H      2.85810   -3.22010   -0.72360
C      2.90050    1.18630   -0.14050
C      2.90840    3.77530   -1.11700
C      4.00250    2.01350    0.08970
C      1.79420    1.66590   -0.85160
C      1.79900    2.96920   -1.34980
C      4.01040    3.31990   -0.40120
H      0.95240    3.35350   -1.90220
H      4.85580    3.97230   -0.23200
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H      2.91260    4.78860   -1.50020
O      5.01680    1.45290    0.80560
C      6.20150    2.22730    0.98950
H      6.88870    1.58870    1.54000
H      6.63760    2.49730    0.02530
H      5.98720    3.12670    1.57020
O      0.77090    0.78680   -0.99540
O     -1.85800   -2.21270   -1.99860
C     -1.26950   -2.41990   -3.28420
H     -0.52030   -1.65090   -3.48890
H     -2.08650   -2.34210   -3.99830
H     -0.81810   -3.41190   -3.34620
C     -0.31860    1.16460   -1.83320
H      0.03570    1.42560   -2.83350
H     -0.86990    2.00410   -1.40140
H     -0.96570    0.29160   -1.88870
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68 phenyl-arabinoside erythro
XYZ file generated by Avogadro.

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O      3.41140    1.30870    0.59730
C      3.79520    1.08580   -0.76470
H      3.36610    1.85040   -1.41020
O      3.37600   -0.16490   -1.22960
C      4.30730   -1.18870   -0.79910
H      3.85300   -1.75740    0.01770
C      4.54660   -2.12360   -1.96520
H      3.57620   -2.47030   -2.33560
H      5.10980   -2.98910   -1.61070
O      5.29540   -1.53130   -3.01890
H      5.09590   -0.58470   -3.05340
C      5.55260   -0.43380   -0.28240
H      6.46990   -0.82330   -0.72630
O      5.70250   -0.52820    1.12210
H      4.83290   -0.39470    1.53530
C      5.31140    1.01310   -0.75820
H      5.76710    1.74570   -0.09080
O      5.71550    1.19450   -2.10490
H      6.67010    1.06150   -2.16030
C      2.12330    0.94970    0.92740
C     -0.44400    0.18250    1.67340
C      1.93900   -0.12780    1.79330
C      1.01880    1.66220    0.45610
C     -0.26800    1.27260    0.82340
C      0.65440   -0.51210    2.17430
H     -1.12510    1.81050    0.44320
H      0.50380   -1.34500    2.84940
O      3.07870   -0.72790    2.23330
C      2.95470   -1.99890    2.87130
H      3.97180   -2.35980    3.00980
H      2.39640   -2.69100    2.23640
H      2.46450   -1.89920    3.84140
C     -1.83910   -0.29810    2.03040
C     -2.45070   -1.20300    0.94730
H     -3.39460   -1.60150    1.33190
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C     -1.51490   -2.33790    0.57210
H     -1.08930   -2.77210    1.47940
H     -0.69450   -1.93150   -0.03070
O     -2.17390   -3.38210   -0.12820
H     -2.86770   -2.98250   -0.67380
O     -2.71980   -0.45050   -0.26000
O     -2.72040    0.76450    2.35360
H     -2.82990    1.33610    1.57680
H     -1.76780   -0.91390    2.92980
C     -4.01410   -0.04810   -0.49970
C     -6.58070    0.81390   -1.12070
C     -4.98690   -0.96810   -0.90790
C     -4.33700    1.31170   -0.43790
C     -5.62370    1.74980   -0.74670
C     -6.28040   -0.54050   -1.20540
H     -5.87830    2.79930   -0.69590
H     -7.03840   -1.24770   -1.51200
H     -7.58340    1.14840   -1.35730
O     -4.57210   -2.25870   -0.99980
C     -5.53710   -3.25150   -1.34810
H     -5.93470   -3.06690   -2.34790
H     -5.00170   -4.19830   -1.33250
H     -6.34760   -3.27090   -0.61700
O     -3.31930    2.13220   -0.05480
O      1.29650    2.70990   -0.36330
C      0.19410    3.50060   -0.80590
H     -0.31870    3.95070    0.04710
H     -0.50710    2.90060   -1.39110
H      0.62180    4.27980   -1.43240
C     -3.58560    3.53120    0.04960
H     -2.65450    3.98220    0.38600
H     -3.86700    3.93920   -0.92310
H     -4.37440    3.71940    0.78070

72 phenyl-galactoside threo
XYZ file generated by Avogadro.
O     -2.61940   -1.64980    0.18180
C     -3.01240   -0.30070    0.03980
H     -2.12420    0.34030   -0.04670
O     -3.75570    0.03840    1.18490
C     -4.15220    1.41240    1.17000
H     -3.26000    2.03820    1.03420
C     -4.74990    1.69410    2.53160
H     -5.59870    1.02830    2.71070
H     -5.09520    2.72780    2.57000
O     -3.77110    1.53840    3.55160
H     -3.43340    0.63530    3.49770
C     -5.09970    1.68000    0.00850
H     -5.30640    2.75510   -0.03750
O     -6.30290    0.95680    0.22130
H     -6.81920    1.00550   -0.59340
C     -4.42180    1.25150   -1.29020
H     -3.56670    1.91650   -1.46820
O     -5.37300    1.38440   -2.33460
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H	-4.98290	1.03780	-3.14650
C	-3.90040	-0.17590	-1.19280
H	-4.73790	-0.87410	-1.07520
O	-3.17820	-0.45010	-2.37890
H	-2.70750	-1.29390	-2.27120
C	-1.25870	-1.87350	0.27290
C	1.47760	-2.30480	0.38710
C	-0.59160	-2.40750	-0.83100
C	-0.55710	-1.57690	1.44310
C	0.82030	-1.79100	1.49930
C	0.77960	-2.63970	-0.77150
H	1.38450	-1.53060	2.38300
H	1.31550	-3.03260	-1.62650
O	-1.36470	-2.64090	-1.92940
C	-0.69030	-2.95910	-3.14810
H	-0.18610	-3.92390	-3.06890
H	0.02920	-2.17610	-3.40020
H	-1.46580	-3.01110	-3.90920
C	2.98860	-2.37350	0.35220
H	3.29040	-3.23540	-0.25530
C	3.53880	-1.13000	-0.35950
H	3.07480	-1.07720	-1.35000
C	5.05150	-1.14730	-0.53680
H	5.33930	-2.06150	-1.05880
H	5.35970	-0.29110	-1.14510
O	5.73410	-1.13030	0.71440
H	5.63270	-0.23060	1.06200
O	3.14760	0.01160	0.42380
O	3.49940	-2.49930	1.67020
H	4.41830	-2.18910	1.65530
C	3.14440	1.20820	-0.25110
C	3.10630	3.65810	-1.53630
C	4.20080	2.10460	-0.07200
C	2.06120	1.54780	-1.07030
C	2.04290	2.78090	-1.72280
C	4.18580	3.34110	-0.71870
H	1.21340	3.05760	-2.35900
H	4.99630	4.04520	-0.59130
H	3.09220	4.61710	-2.04010
O	5.19500	1.67980	0.75660
C	6.34570	2.51360	0.88840
H	6.07810	3.47100	1.33980
H	7.02650	1.97540	1.54420
H	6.81650	2.67500	-0.08380
O	-1.29550	-1.05810	2.45680
O	1.08270	0.61140	-1.15850
C	0.01640	0.85190	-2.07360
H	0.40260	1.01080	-3.08360
H	-0.57800	1.71490	-1.76170
H	-0.60120	-0.04340	-2.05370
C	-0.60180	-0.65840	3.63680
H	-0.10500	-1.51210	4.10280
H	-1.36170	-0.26590	4.30880
H	0.12900	0.12080	3.40860

72 phenyl-galactoside erythro
XYZ file generated by Avogadro.

O	-2.85540	-1.63690	0.47790
C	-3.21210	-0.42640	-0.14870
H	-2.87580	-0.42230	-1.19400
O	-2.59150	0.62390	0.55670
C	-2.88610	1.90600	-0.00200
H	-2.61140	1.90730	-1.06460
C	-2.01640	2.89640	0.74240
H	-2.22020	2.83180	1.81520
H	-2.23960	3.90740	0.39920
O	-0.63800	2.65990	0.48230
H	-0.45460	1.72590	0.65360
C	-4.37740	2.19430	0.09690
H	-4.58910	3.13700	-0.41980
O	-4.73810	2.29200	1.46640
H	-5.70250	2.30560	1.51330
C	-5.14260	1.07060	-0.59670
H	-4.91070	1.10770	-1.66870
O	-6.52600	1.29790	-0.38490
H	-7.01310	0.54560	-0.74390
C	-4.72550	-0.29310	-0.06150
H	-5.01850	-0.38530	0.98990
O	-5.37440	-1.27330	-0.85260
H	-5.31770	-2.12230	-0.39890
C	-1.49490	-1.89150	0.46990
C	1.23370	-2.37050	0.47040
C	-0.74940	-1.64700	1.62490
C	-0.88040	-2.41010	-0.67280
C	0.49170	-2.65400	-0.67380
C	0.62430	-1.89100	1.62430
H	0.99040	-3.02210	-1.56050
H	1.22570	-1.68380	2.49970
O	-1.44260	-1.17720	2.69380
C	-0.69140	-0.81010	3.84840
H	-1.41610	-0.42650	4.56270
H	0.03390	-0.03040	3.60360
H	-0.17980	-1.67670	4.27280
C	2.74300	-2.47570	0.42300
H	3.13670	-2.49040	1.44470
C	3.32550	-1.26270	-0.31020
H	2.88650	-1.21510	-1.31380
C	4.84120	-1.29360	-0.43250
H	5.14340	-2.19880	-0.95890
H	5.16850	-0.43150	-1.02450
O	5.47830	-1.29310	0.83580
H	5.34500	-0.40590	1.20010
O	2.91680	-0.11180	0.45190
O	3.18930	-3.61560	-0.29690
H	2.80770	-4.39970	0.11510
C	2.95790	1.07590	-0.23940
C	3.04230	3.47530	-1.61430
C	4.03130	1.95010	-0.04860

C	1.91010	1.42220	-1.09970
C	1.95850	2.62530	-1.80530
C	4.07720	3.16130	-0.73950
H	1.16310	2.90140	-2.48380
H	4.90310	3.84620	-0.60650
H	3.07910	4.41170	-2.15790
O	4.98080	1.52850	0.83160
C	6.16420	2.31660	0.95250
H	5.93070	3.30460	1.35420
H	6.80660	1.78010	1.64730
H	6.66190	2.41280	-0.01500
O	-1.70040	-2.61850	-1.73750
O	0.89160	0.52760	-1.16680
C	-0.07660	0.70990	-2.19670
H	-0.60100	1.65960	-2.07820
H	-0.78180	-0.11360	-2.09480
H	0.40090	0.66950	-3.17940
C	-1.08580	-3.00440	-2.96530
H	-0.35990	-2.25230	-3.28510
H	-1.89220	-3.07170	-3.69190
H	-0.59780	-3.97640	-2.86620

72 phenyl-glucoside threo
XYZ file generated by Avogadro.

O	2.33090	0.86130	-1.34250
C	3.68170	0.59730	-1.01870
H	4.24610	0.90810	-1.90460
O	3.82640	-0.78450	-0.79640
C	5.18340	-1.19430	-0.64380
H	5.75280	-0.90160	-1.53650
C	5.14440	-2.70390	-0.52120
H	4.58530	-2.97450	0.38180
H	6.15790	-3.09500	-0.44080
O	-1.99630	-2.35520	2.01520
C	5.78190	-0.52040	0.58670
H	5.24190	-0.86140	1.47990
O	7.14750	-0.89230	0.66310
H	7.53470	-0.44310	1.42450
C	5.62780	0.98760	0.46630
H	6.23510	1.33670	-0.37950
O	6.10370	1.56360	1.67240
H	6.10910	2.52260	1.56730
C	4.17380	1.35840	0.21060
H	3.57280	1.06550	1.08080
O	4.11140	2.75560	0.00120
H	3.17860	3.00090	0.08940
C	-0.66440	-0.53240	1.19550
C	1.36760	0.38120	-0.46810
C	-0.11550	0.72910	1.41070
C	-0.22250	-1.33580	0.15170
C	0.79230	-0.87470	-0.68970
C	0.87970	1.19740	0.55760
H	-0.49490	1.34860	2.21350
H	-0.68400	-2.29780	-0.01510

O	1.24920	-1.56180	-1.76680
C	0.71100	-2.86140	-1.99870
H	-0.36310	-2.80990	-2.19120
H	0.90680	-3.51830	-1.14780
H	1.22270	-3.23920	-2.88120
C	-1.84490	-0.94510	2.04770
H	-1.66870	-0.60690	3.07630
C	-3.11010	-0.22140	1.57100
H	-2.90300	0.85390	1.57350
C	-4.32550	-0.47750	2.45240
H	-5.15950	0.14930	2.12120
H	-4.08130	-0.20810	3.48140
O	-4.71080	-1.84980	2.44510
H	-5.11810	-2.00810	1.57940
O	-3.37100	-0.66210	0.22570
C	-4.18060	0.17810	-0.50190
C	-5.79950	1.83990	-2.00830
C	-5.53060	-0.13600	-0.67420
C	-3.63890	1.32120	-1.10120
C	-4.45550	2.16440	-1.85530
C	-6.35070	0.70000	-1.43330
H	-4.05390	3.05400	-2.32050
H	-7.39790	0.47210	-1.57510
O	-5.94950	-1.27970	-0.06430
C	-7.34370	-1.58160	-0.11310
H	-7.92730	-0.77330	0.33280
H	-7.46880	-2.49240	0.46840
H	-7.66470	-1.75390	-1.14230
H	-6.43470	2.49180	-2.59600
H	-2.90650	-2.55350	2.28550
O	4.55440	-3.29520	-1.67000
H	3.66820	-2.92320	-1.76500
O	-2.31230	1.51220	-0.89000
C	-1.72650	2.70990	-1.39390
H	-1.80090	2.74970	-2.48300
H	-0.67800	2.67420	-1.10240
H	-2.20540	3.58840	-0.95470
O	1.41520	2.44580	0.63550
C	0.84330	3.35330	1.57810
H	1.37150	4.29380	1.43770
H	0.99090	2.99540	2.59880
H	-0.22180	3.49050	1.37570

72 phenyl-glucoside erythro
XYZ file generated by Avogadro.

O	-2.91300	-1.74280	1.12540
C	-3.60420	-0.56840	0.75180
H	-4.65470	-0.78660	0.97500
O	-3.42470	-0.35860	-0.62620
C	-4.25190	0.67240	-1.15860
H	-5.30570	0.42380	-0.97140
C	-3.97100	0.68870	-2.64780
H	-2.92020	0.95890	-2.80710
H	-4.60500	1.42740	-3.13690

O	2.92330	-3.51920	-0.71070
C	-3.91930	2.00450	-0.49380
H	-2.90580	2.30950	-0.78070
O	-4.86210	2.95800	-0.95630
H	-4.65330	3.80550	-0.54480
C	-3.98230	1.86410	1.01880
H	-5.02900	1.69640	1.30720
O	-3.51710	3.08220	1.57920
H	-3.63380	3.03700	2.53610
C	-3.15970	0.67960	1.50950
H	-2.09500	0.86420	1.31230
O	-3.40260	0.54710	2.89660
H	-2.73750	-0.07350	3.23020
C	1.16200	-2.24710	0.39730
C	-1.55660	-1.83290	0.84790
C	0.74090	-1.72230	1.61360
C	0.24000	-2.58930	-0.58830
C	-1.12330	-2.40800	-0.35500
C	-0.61990	-1.51370	1.83650
H	1.47060	-1.48170	2.37510
H	0.58690	-3.01130	-1.52150
O	-2.09180	-2.79360	-1.22270
C	-1.67970	-3.28790	-2.49480
H	-1.09660	-4.20530	-2.38790
H	-1.09660	-2.53470	-3.03040
H	-2.59700	-3.50060	-3.03990
C	2.64550	-2.40680	0.12480
H	3.17590	-2.50500	1.07800
C	3.19200	-1.17130	-0.59770
H	2.55430	-0.94460	-1.46000
C	4.62980	-1.31500	-1.07050
H	4.91460	-0.40620	-1.61250
H	4.70640	-2.15610	-1.75860
O	5.52410	-1.54850	0.00690
H	5.58560	-0.71230	0.49080
O	3.10310	-0.10960	0.36850
C	3.11000	1.16070	-0.15380
C	3.09330	3.75800	-1.10120
C	1.92890	1.70520	-0.66800
C	4.27840	1.92400	-0.10600
C	4.27430	3.23480	-0.58570
C	1.91770	3.01520	-1.14820
H	5.17060	3.83880	-0.55810
H	1.01300	3.45170	-1.54840
O	0.85690	0.87450	-0.64860
C	-0.39840	1.41000	-1.05690
H	-0.36770	1.72170	-2.10420
H	-0.67200	2.25810	-0.42330
H	-1.11900	0.60330	-0.93140
H	3.08780	4.77540	-1.47340
H	2.55940	-4.30850	-0.29220
O	-4.25660	-0.57140	-3.23720
H	-3.72070	-1.23160	-2.77900
O	5.36140	1.30350	0.43670

C	6.60320	2.00570	0.41570
H	6.54440	2.91240	1.02120
H	7.33460	1.32430	0.84470
H	6.88620	2.25590	-0.60910
O	-1.12260	-1.03610	3.00780
C	-0.19400	-0.57890	3.99320
H	0.41320	-1.40680	4.36340
H	-0.79980	-0.17720	4.80260
H	0.44490	0.20530	3.58170

72 phenyl-mannoside threo
XYZ file generated by Avogadro.

O	-1.95310	0.20220	1.95640
C	-2.55970	-0.34710	0.81340
H	-1.86600	-1.02280	0.29660
O	-2.89490	0.73020	-0.03760
C	-3.49070	0.30630	-1.26310
H	-2.79480	-0.35800	-1.79530
C	-3.73550	1.56630	-2.06940
H	-4.45500	2.19640	-1.53460
H	-4.14890	1.30550	-3.04300
O	-2.52870	2.27790	-2.30310
H	-2.14620	2.49020	-1.44170
C	-4.78810	-0.44410	-0.96990
H	-5.50360	0.24820	-0.50810
O	-5.29750	-0.92360	-2.20400
H	-6.08580	-1.44640	-2.01100
C	-4.51930	-1.60180	-0.01140
H	-3.87650	-2.32670	-0.51970
O	-5.72090	-2.28090	0.30950
H	-6.22820	-1.70950	0.90200
C	-3.80340	-1.11210	1.24180
H	-3.49620	-1.96770	1.85100
O	-4.70630	-0.28510	1.95640
H	-4.34520	-0.11970	2.83530
C	-0.60670	0.47440	1.79000
C	2.10560	0.96590	1.41170
C	-0.17070	1.76750	1.50970
C	0.31950	-0.56360	1.93200
C	1.67780	-0.31560	1.76350
C	1.19160	2.01070	1.31810
H	2.38430	-1.12740	1.86190
H	1.53200	3.00070	1.05040
O	-1.13520	2.72100	1.41620
C	-0.71360	4.07770	1.28510
H	-0.06600	4.36120	2.11790
H	-0.19510	4.24090	0.33810
H	-1.62450	4.67160	1.30800
C	3.57910	1.23130	1.09700
H	4.12430	1.31890	2.04220
C	4.25980	0.10340	0.30540
H	4.06960	-0.86480	0.77150
C	5.75940	0.30830	0.21980
H	6.17260	0.36670	1.22740

H	5.97850	1.24080	-0.30850
O	6.38820	-0.79020	-0.42690
H	5.97470	-0.89030	-1.29330
O	3.75680	2.46720	0.42570
H	3.26160	2.41060	-0.40840
O	3.81250	0.06600	-1.06630
C	2.55970	-0.46150	-1.28810
C	0.01640	-1.46790	-1.70330
C	2.33340	-1.83630	-1.18720
C	1.51580	0.40240	-1.62840
C	0.22820	-0.09760	-1.82790
C	1.04940	-2.34540	-1.39230
H	-0.59600	0.56020	-2.07440
H	0.85430	-3.40570	-1.30940
H	-0.98120	-1.86320	-1.85930
O	3.41860	-2.58850	-0.86230
C	3.24540	-4.00360	-0.82470
H	2.52680	-4.28920	-0.05360
H	4.22300	-4.41510	-0.58440
H	2.91600	-4.37680	-1.79710
O	-0.21010	-1.78410	2.21340
O	1.85690	1.71770	-1.72030
C	0.79930	2.64540	-1.94970
H	1.25240	3.63370	-1.90090
H	0.35620	2.48580	-2.93530
H	0.03420	2.54740	-1.17620
C	0.70050	-2.87320	2.35000
H	1.38300	-2.70280	3.18580
H	1.26850	-3.02060	1.42790
H	0.08730	-3.74910	2.54860

72 phenyl-mannoside threo
XYZ file generated by Avogadro.

O	-3.09440	-1.73810	-1.00780
C	-3.35740	-0.34460	-1.15910
H	-3.49670	-0.11950	-2.22290
O	-2.26980	0.37900	-0.64980
C	-2.41310	1.78520	-0.82790
H	-2.56670	2.00310	-1.89420
C	-1.10840	2.39690	-0.35650
H	-0.96050	2.15040	0.70070
H	-1.15160	3.48040	-0.46570
O	-0.01040	1.94040	-1.13500
H	0.12100	1.00100	-0.94780
C	-3.62150	2.26660	-0.02860
H	-3.42850	2.10790	1.04010
O	-3.79340	3.64900	-0.29700
H	-4.59240	3.94220	0.15840
C	-4.86610	1.47660	-0.43820
H	-5.11170	1.73800	-1.47160
O	-5.98260	1.86040	0.34790
H	-5.83560	1.53420	1.24580
C	-4.61780	-0.02670	-0.36300
H	-5.46330	-0.56480	-0.80490

O	-4.45720	-0.37440	1.00140
H	-4.03180	-1.24590	1.06200
C	-1.80520	-2.08400	-0.65960
C	0.79370	-2.57020	0.15960
C	-0.75140	-1.89500	-1.55320
C	-1.56480	-2.55440	0.62820
C	-0.25790	-2.82010	1.03740
C	0.55580	-2.13820	-1.14330
H	-0.05020	-3.16750	2.04180
H	1.38660	-1.94750	-1.80880
O	-1.10330	-1.40160	-2.76950
C	-0.04490	-1.02310	-3.64730
H	0.58850	-0.26400	-3.18110
H	0.55660	-1.89080	-3.92700
H	-0.52540	-0.60980	-4.53100
C	2.21930	-2.63340	0.67620
H	2.28760	-3.40170	1.45050
C	2.61980	-1.29240	1.31840
H	3.70920	-1.27710	1.42760
C	1.97760	-1.06420	2.67680
H	2.18280	-1.92630	3.31480
H	0.89410	-0.96010	2.56370
O	2.51360	0.07880	3.32820
H	2.14750	0.86250	2.89130
O	3.14380	-2.98810	-0.33910
H	3.44670	-2.17510	-0.77450
O	2.22200	-0.23880	0.41170
C	3.07640	0.81050	0.19930
C	4.67270	2.99880	-0.39410
C	2.77240	2.06650	0.73460
C	4.17550	0.66660	-0.65410
C	4.98930	1.76120	-0.94320
C	3.57130	3.16970	0.43670
H	5.84470	1.65930	-1.59640
H	3.34420	4.14460	0.84520
H	5.29820	3.85300	-0.62340
O	1.67530	2.10790	1.54210
C	1.23770	3.39030	1.99350
H	1.99430	3.85550	2.62870
H	1.01250	4.03540	1.14110
H	0.33440	3.20850	2.57120
O	-2.66590	-2.67560	1.42270
O	4.35500	-0.57960	-1.17080
C	5.48780	-0.79540	-2.01310
H	5.42210	-0.17600	-2.90960
H	5.45340	-1.84760	-2.28740
H	6.41240	-0.58190	-1.47330
C	-2.44800	-2.96110	2.80420
H	-1.80710	-2.20020	3.25600
H	-2.00180	-3.94980	2.92830
H	-3.43110	-2.94090	3.26890

72 phenyl-mannoside erythro
XYZ file generated by Avogadro.

O	-3.09440	-1.73810	-1.00780
C	-3.35740	-0.34460	-1.15910
H	-3.49670	-0.11950	-2.22290
O	-2.26980	0.37900	-0.64980
C	-2.41310	1.78520	-0.82790
H	-2.56670	2.00310	-1.89420
C	-1.10840	2.39690	-0.35650
H	-0.96050	2.15040	0.70070
H	-1.15160	3.48040	-0.46570
O	-0.01040	1.94040	-1.13500
H	0.12100	1.00100	-0.94780
C	-3.62150	2.26660	-0.02860
H	-3.42850	2.10790	1.04010
O	-3.79340	3.64900	-0.29700
H	-4.59240	3.94220	0.15840
C	-4.86610	1.47660	-0.43820
H	-5.11170	1.73800	-1.47160
O	-5.98260	1.86040	0.34790
H	-5.83560	1.53420	1.24580
C	-4.61780	-0.02670	-0.36300
H	-5.46330	-0.56480	-0.80490
O	-4.45720	-0.37440	1.00140
H	-4.03180	-1.24590	1.06200
C	-1.80520	-2.08400	-0.65960
C	0.79370	-2.57020	0.15960
C	-0.75140	-1.89500	-1.55320
C	-1.56480	-2.55440	0.62820
C	-0.25790	-2.82010	1.03740
C	0.55580	-2.13820	-1.14330
H	-0.05020	-3.16750	2.04180
H	1.38660	-1.94750	-1.80880
O	-1.10330	-1.40160	-2.76950
C	-0.04490	-1.02310	-3.64730
H	0.58850	-0.26400	-3.18110
H	0.55660	-1.89080	-3.92700
H	-0.52540	-0.60980	-4.53100
C	2.21930	-2.63340	0.67620
H	2.28760	-3.40170	1.45050
C	2.61980	-1.29240	1.31840
H	3.70920	-1.27710	1.42760
C	1.97760	-1.06420	2.67680
H	2.18280	-1.92630	3.31480
H	0.89410	-0.96010	2.56370
O	2.51360	0.07880	3.32820
H	2.14750	0.86250	2.89130
O	3.14380	-2.98810	-0.33910
H	3.44670	-2.17510	-0.77450
O	2.22200	-0.23880	0.41170
C	3.07640	0.81050	0.19930
C	4.67270	2.99880	-0.39410
C	2.77240	2.06650	0.73460
C	4.17550	0.66660	-0.65410
C	4.98930	1.76120	-0.94320
C	3.57130	3.16970	0.43670

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H      5.84470    1.65930   -1.59640
H      3.34420    4.14460    0.84520
H      5.29820    3.85300   -0.62340
O      1.67530    2.10790    1.54210
C      1.23770    3.39030    1.99350
H      1.99430    3.85550    2.62870
H      1.01250    4.03540    1.14110
H      0.33440    3.20850    2.57120
O     -2.66590   -2.67560    1.42270
O      4.35500   -0.57960   -1.17080
C      5.48780   -0.79540   -2.01310
H      5.42210   -0.17600   -2.90960
H      5.45340   -1.84760   -2.28740
H      6.41240   -0.58190   -1.47330
C     -2.44800   -2.96110    2.80420
H     -1.80710   -2.20020    3.25600
H     -2.00180   -3.94980    2.92830
H     -3.43110   -2.94090    3.26890
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68 phenyl-xyloside threo

XYZ file generated by Avogadro.

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O      3.02480   -1.62840    0.12700
C      3.43640   -0.37010   -0.36880
H      2.55900    0.22690   -0.65560
O      4.25070   -0.62100   -1.49050
C      4.69650    0.59030   -2.09270
H      3.83490    1.20050   -2.39190
O     -3.11230   -2.88220   -0.78060
C      5.57040    1.37580   -1.12420
H      6.46400    0.78890   -0.88100
O      5.93420    2.58200   -1.77440
H      6.50310    3.08300   -1.17780
C      4.79600    1.64430    0.15530
H      3.95290    2.30970   -0.07570
O      5.67330    2.27640    1.07460
H      5.15910    2.55520    1.84180
C      4.24730    0.33980    0.71120
H      5.07840   -0.31880    0.99460
O      3.44400    0.64950    1.83310
H      3.03310   -0.16920    2.15830
C     -1.08250   -2.24160    0.32220
C      1.66060   -1.84390    0.17720
C     -0.45510   -2.24970   -0.91840
C     -0.35250   -2.05600    1.49470
C      1.02070   -1.84590    1.41810
C      0.92530   -2.05540   -0.98930
H     -1.04000   -2.39190   -1.81510
H     -0.86260   -2.05150    2.44980
O      1.81910   -1.59920    2.49530
C      1.17540   -1.39350    3.75480
H      0.45380   -0.57570    3.68480
H      0.67950   -2.30730    4.08730
H      1.96870   -1.13110    4.45090
C     -2.58900   -2.35980    0.42950
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H	-2.82830	-3.03110	1.26360
C	-3.20440	-1.00270	0.78900
H	-2.76300	-0.67020	1.73400
C	-4.71700	-1.04830	0.96420
H	-5.07920	-0.07060	1.29780
H	-4.95770	-1.78250	1.73470
O	-5.39280	-1.43950	-0.22880
H	-5.31970	-0.69190	-0.84350
O	-2.83930	-0.08730	-0.26100
C	-3.06310	1.23900	0.01470
C	-3.50130	3.94250	0.49110
C	-4.14680	1.89320	-0.59190
C	-2.21110	1.95310	0.85430
C	-2.42710	3.30720	1.09650
C	-4.36410	3.24770	-0.35560
H	-1.74770	3.83710	1.75340
H	-5.19540	3.76190	-0.81790
O	-4.92770	1.11640	-1.39410
C	-6.07210	1.72730	-1.99170
H	-6.74830	2.10930	-1.22410
H	-6.56330	0.94020	-2.55920
H	-5.76910	2.53370	-2.66230
H	-3.67720	4.99550	0.67420
H	-4.05060	-2.63790	-0.81960
H	5.26340	0.31220	-2.97940
O	1.63790	-2.02720	-2.14410
C	0.91650	-2.18930	-3.36360
H	0.42230	-3.16260	-3.39450
H	1.65890	-2.12850	-4.15590
H	0.18000	-1.39180	-3.48520
O	-1.16040	1.30520	1.46350
C	0.01440	1.23720	0.64100
H	-0.15790	0.58000	-0.21650
H	0.80890	0.83560	1.26770
H	0.28890	2.23880	0.29870

68 phenyl-xyloside erythro
XYZ file generated by Avogadro.

O	2.87650	-1.63230	0.60420
C	3.38350	-0.43330	0.05230
H	2.61060	0.06120	-0.54930
O	4.47570	-0.80320	-0.75500
C	5.04500	0.32880	-1.40590
H	4.28580	0.82790	-2.02170
O	-3.09610	-3.38000	-0.89540
C	5.60120	1.30860	-0.38130
H	6.40430	0.82440	0.18690
O	6.10720	2.42040	-1.10120
H	6.49110	3.03760	-0.46710
C	4.50000	1.72190	0.58100
H	3.73970	2.28690	0.02430
O	5.07870	2.54480	1.58190
H	4.36820	2.90700	2.12460
C	3.84580	0.48610	1.17880

H	4.57590	-0.06010	1.78900
O	2.74770	0.91050	1.96440
H	2.36340	0.13430	2.40330
C	-1.20400	-2.27480	0.18230
C	1.52050	-1.84130	0.44930
C	-0.67800	-1.98790	1.43710
C	-0.38200	-2.37890	-0.93820
C	0.98570	-2.15600	-0.80390
C	0.69200	-1.76470	1.56880
H	-1.33890	-1.91070	2.29050
H	-0.81740	-2.59540	-1.90490
O	1.87950	-2.18960	-1.82590
C	1.36130	-2.40840	-3.13680
H	0.64300	-1.62870	-3.40220
H	0.88880	-3.39060	-3.20670
H	2.21820	-2.36420	-3.80500
C	-2.70590	-2.35810	0.01020
H	-3.17260	-2.51550	0.98810
C	-3.23770	-1.04800	-0.58120
H	-2.73760	-0.86450	-1.53940
C	-4.74300	-1.04410	-0.79720
H	-5.01430	-1.86030	-1.46650
H	-5.03160	-0.10190	-1.27660
O	-5.45700	-1.22060	0.41670
H	-5.34440	-0.39840	0.91560
O	-2.87320	-0.02390	0.36110
C	-2.87940	1.25830	-0.13470
C	-2.86620	3.86890	-1.05290
C	-1.79360	1.72790	-0.88280
C	-3.94840	2.10700	0.16340
C	-3.94680	3.42360	-0.29950
C	-1.78780	3.04250	-1.35060
H	-4.76830	4.09100	-0.07920
H	-0.95700	3.42000	-1.93070
O	-0.79890	0.82890	-1.09210
C	0.28090	1.22100	-1.93560
H	0.85430	2.03270	-1.48050
H	-0.08710	1.52820	-2.91740
H	0.91160	0.33990	-2.04220
H	-2.86210	4.89030	-1.41420
H	-2.77130	-4.22190	-0.55550
H	5.84040	-0.04330	-2.04920
O	1.31130	-1.44830	2.74150
C	0.48640	-1.27780	3.89580
H	-0.24050	-0.47940	3.73300
H	1.16280	-1.00520	4.70240
H	-0.02600	-2.20990	4.14140
O	-4.94030	1.55630	0.91620
C	-6.10670	2.34400	1.15140
H	-5.86060	3.23270	1.73600
H	-6.78320	1.70730	1.71730
H	-6.57220	2.63270	0.20650