



Sigma Sugars and Carbohydrates

Library Listing – 614 spectra

This library represents a material-specific subset of the larger Sigma Biochemical Condensed Phase Library relating to sugars and carbohydrates found in the Sigma Biochemicals and Reagents catalog.

Spectra acquired by Sigma-Aldrich Co. which were examined and processed at Thermo Fisher Scientific. The spectra include compound name, molecular formula, CAS (Chemical Abstract Service) registry number, and Sigma catalog number.

Sigma Sugars and Carbohydrates

<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
255	(+/-)-Epi-inosose-2	475	2,3,4,6-Tetra-O-methyl-D-glucopyranose
468	1,2,3,4-Tetra-O-acetyl-6-diphenylphosphoryl-b-D-manopyranose	487	2,3,5-Tri-O-benzoyl-1-O-p-nitrobenzoyl-D-ribofuranoside
471	1,2,3,4-Tetra-O-acetyl-b-D-glucopyranose	490	2,3,5-Tri-O-benzyl-1-O-p-nitrobenzoyl-D-arabinofuranoside
472	1,2,3,5-Tetra-O-acetyl-b-D-ribofuranose	488	2,3,5-Tri-O-benzyl-b-D-arabinofuranose
473	1,2,3,5-Tetra-O-benzoyl-a-D-xylofuranose	489	2,3,5-Tri-O-benzyl-b-L-arabinofuranose
258	1,2-O-Isopropylidene-3-O-benzyl-rac-glycerol	107	2,3-Dehydro-2-deoxy-N-acetylneuraminic acid
261	1,2-O-Isopropylidene-5-O-p-tosyl-a-D-xylofuranose	142	2,3-Diphospho-D-glyceric acid, penta(CHA) salt
259	1,2-O-Isopropylidene-D-glucufuranose	143	2,3-Diphospho-D-glyceric acid, pentasodium salt
262	1,2-O-Isopropylidene-D-xylofuranose	144	2,3-Diphospho-D-glyceric acid, tris salt
135	1,2:3,4-Di-O-isopropylidene-D-galactopyranose	260	2,3-O-Isopropylidene-b-D-ribofuranosylamine, tosylate salt
141	1,2:3,5-Di-O-isopropylidene-D-xylofuranose	133	2,3:4,5-Di-O-isopropylidene-b-D-fructopyranose
132	1,2:3,5-Di-O-isopropylidene-a-D-apiose	138	2,3:4,6-Di-O-isopropylidene-2-keto-L-gulonic acid
134	1,2:4,5-Di-O-isopropylidene-b-D-fructopyranose	317	2,5-O-Methylene-D-mannitol
140	1,2:4,5-Di-O-isopropylidene-b-D-psicopyranose	1	2-Acetamido-1-amino-1,2-dideoxy-b-D-glucopyranose
139	1,2:5,6-Di-O-isopropylidene-D-mannitol	3	2-Acetamido-1-azido-1,2-dideoxy-b-D-glucopyranose
131	1,2:5,6-Di-O-isopropylidene-a-D-allofuranose	5	2-Acetamido-1-bromoacetamido-1,2-dideoxy-b-D-glucopyranose
136	1,2:5,6-Di-O-isopropylidene-a-D-glucufuranose	2	2-Acetamido-1b-(L-aspartamido)-1,2-dideoxy-D-glucose
137	1,2:5,6-Di-O-isopropylidene-a-D-gulose	6	2-Acetamido-2-deoxy-D-allose
69	1,5-Anhydro-D-glucitol	4	2-Acetamido-4,6-O-benzylidene-2-deoxy-D-glucopyranose
73	1,5-Anhydro-D-mannitol	47	2-Amino-2-deoxy-b-D-glucopyranosyl pentaacetate
72	1,6-Anhydro-3,4-O-isopropylidene-2-tosyl-D-galactose	117	2-Deoxy-6-phosphogluconic acid, Na salt
70	1,6-Anhydro-b-D-glucose	109	2-Deoxy-D-galactose
71	1,6-Anhydro-b-D-glucose 2,3,4-triacetate	111	2-Deoxy-D-glucose
46	1-Amino-1-deoxy-b-D-galactose	110	2-Deoxy-D-glucose
87	1-Bromoacetamido-1-deoxy-b-D-galactopyranose	113	2-Deoxy-D-glucose-6-phosphate, Na salt
115	1-Deoxy-1-nitro-D-galactitol	114	2-Deoxy-D-ribohexopyranose
116	1-Deoxy-1-nitro-L-mannitol	118	2-Deoxy-D-ribose
35	1-O-Acetyl-2,3,5-tri-O-benzoyl-b-D-ribofuranose	120	2-Deoxy-a-D-ribose 1-phosphate, di(CHA) salt
324	1-O-Methyl-2,3-O-ipren-5-O-p-tosyl-b-D-ribofuranoside	121	2-Deoxyribose 5-phosphate, Na salt
300	1-O-Methyl-2-acetamido-2-deoxy-a-D-glucopyranoside	243	2-Hexadecanoylamino-4-nitrophenyl-b-D-galactopyranoside
312	1-O-Methyl-2-deoxy-3,5-di-O-p-nitrobenzoyl-D-ribofuranoside	244	2-Hexadecanoylamino-4-nitrophenyl-b-D-glucopyranoside
319	1-O-Methyl-a-D-galactopyranoside	266	2-Keto-D-gluconic acid, Ca salt
321	1-O-Methyl-a-D-glucopyranoside	352	2-O-Methyl-D-xylose
306	1-O-Methyl-b-D-arabinopyranoside	124	3,6-Di-O-acetyl-1,2-O-ipren-5-deoxy-5-thioacetyl-a-D-glucufuranose
320	1-O-Methyl-b-D-galactopyranoside	7	3-Acetamido-3-deoxy-D-allose
323	1-O-Methyl-b-D-glucopyranoside	9	3-Acetamido-3-deoxy-D-glucopyranose
307	1-O-Methyl-b-L-arabinopyranoside	119	3-Deoxy-D-ribose
477	1-Thio-b-D-galactopyranose, Na salt	17	3-O-Acetyl-6-O-benzoyl-5-O-mesyl-1,2-O-ipren-a-D-glucufuranose
481	1-Thio-b-D-glucose tetraacetate	322	3-O-Methyl-D-glucopyranose
478	1-Thio-b-D-glucose, Na salt	175	3-O-b-D-Galactopyranosyl-D-arabinose
147	2',3'-Epoxypropyl-2-acetamido-2-deoxy-b-D-glucopyranoside		
474	2,3,4,6-Tetra-O-benzyl-D-glucopyranose		

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Sigma Sugars and Carbohydrates

<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
333	4-Methylumbelliferyl-N-acetyl-b-D-galactosaminide	330	6-Methylthio-2-hydroxypurine
335	4-Methylumbelliferyl-N-acetyl-b-D-glucosaminide	318	6-O-Methyl-D-galactopyranose
334	4-Methylumbelliferyl-N-acetyl-b-D-glucosaminide	422	6-Phosphogluconic acid, Ba salt
343	4-Methylumbelliferyl-a-D-galactoside	423	6-Phosphogluconic acid, tri(CHA) salt
345	4-Methylumbelliferyl-a-D-glucoside	424	6-Phosphogluconic acid, trisodium salt
349	4-Methylumbelliferyl-a-D-mannopyranoside	425	6-Phosphogluconic acid, trisodium salt
336	4-Methylumbelliferyl-a-L-arabinofuranoside	247	8-Hydroxyquinoline b-D-glucopyranoside
337	4-Methylumbelliferyl-a-L-arabinoside	10	Acetobromo-a-D-galactose
341	4-Methylumbelliferyl-a-L-fucoside	11	Acetobromo-a-D-glucose
350	4-Methylumbelliferyl-b-D-N,N',N'-triacetylchitotriose	12	Acetobromo-a-maltose
338	4-Methylumbelliferyl-b-D-cellobiopyranoside	13	Acetochloro-a-D-fucose
340	4-Methylumbelliferyl-b-D-fucoside	15	Acetochloro-a-D-glucosamine
344	4-Methylumbelliferyl-b-D-galactoside	16	Acetochloro-a-D-mannose
346	4-Methylumbelliferyl-b-D-glucoside	14	Acetochloro-a-L-fucose
347	4-Methylumbelliferyl-b-D-glucuronide	36	Adonitol
348	4-Methylumbelliferyl-b-D-mannopyranoside	502	Agarose type IV
351	4-Methylumbelliferyl-b-D-xyloside	503	Agarose type IX
342	4-Methylumbelliferyl-b-L-fucoside	504	Agarose type V
176	4-O-(b-D-Galactopyranosyl)-a-D-mannopyranoside	506	Agarose type VII
125	5,6-Dichlorobenzimidazole riboside	505	Agarose type VIII
90	5-Bromo-3-indolyl-b-D-galactoside	37	Alginate acid type III
89	5-Bromo-4-chloro-3-indolyl b-D-glucopyranoside	68	Amylopectin anthranilate
88	5-Bromo-4-chloro-3-indolyl-b-D-fucopyranoside	74	Apigenin 7-O-hesperidoside
267	5-Keto-D-gluconic acid, Ca salt	507	Arabic acid
268	5-Keto-D-gluconic acid, K salt	508	Arabinogalactan
94	5-O-Carbomethoxy-1,2-O-ipren-3-(p-tosyl)-D-xylofuranose	80	Aurothioglucose; (1-Thio-D-glucopyranosato)gold
95	5-O-Carbomethoxy-1,2-O-isopropylidene-D-xylofuranose	82	Benzyl-N-acetyl-4,6-O-benzylidene muramic acid
433	5-Phosphorylribose 1-pyrophosphate, Na salt	509	Carboxymethyl cellulose, Na salt
479	5-Thio-D-glucose	510	Carrageenan type I
480	5-Thio-D-glucose 6-phosphate, diammonium salt	511	Carrageenan type II
126	6,6'-Dichloro-6,6'-dideoxysucrose	512	Carrageenan type III
8	6-Acetamido-6-deoxy-a-D-glucopyranose	513	Carrageenan type IV
48	6-Amino-hexyl-1-thio-b-D-galactopyranoside	514	Carrageenan type V
91	6-Bromo-2-naphthyl b-D-galactopyranoside	516	Cellulose carbonate
92	6-Bromo-2-naphthyl b-D-glucopyranoside	519	Chitin
93	6-Bromo-2-naphthyl-b-D-glucuronide	518	Chitin purified
100	6-Chloro-6-deoxy-a-D-glucopyranose	520	Chitosan from crab shells
108	6-Deoxy-1,2:3,4-di-O-ipren-6-iodo-a-D-galactopyranoside	524	Chondroitin sulfate type A, Na salt
112	6-Deoxy-D-glucose	525	Chondroitin sulfate type B, Na salt
153	6-Fluoro-6-deoxy-D-galactose	526	Chondroitin sulfate type C, Na salt
		521	Chondroitin sulfate, Na salt, from bovine trachea
		523	Chondroitin sulfate, Na salt, from whale/shark cart.
		522	Chondroitin sulfate, Na salt, from whale/shark cart.
		527	Chondrosine
		528	Colominic acid, Na salt
		105	Cyanomethyl-1-thio-b-D-galactopyranoside
		103	Cyanomethyl-2,3,4,6-tetra-O-acetyl-1-thio-b-D-galactopyranoside
		104	Cyanomethyl-2,3,4,6-tetra-O-acetyl-1-thio-b-D-glucopyranoside
		101	Cyanomethyl-2-acetamido-2-deoxy-1-thio-b-D-glucopyranoside

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Sigma Sugars and Carbohydrates

<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
102	Cyanomethyl-2-acetamido-2-deoxy-3,4,6-tri-O-acetyl-1-thio-β-D-glucoside	201	D-Gluconic acid, Na salt
288	D(+)-Mannose	198	D-Gluconic acid, hemicalcium salt
485	D(+)-Trehalose	199	D-Gluconic acid, hemimagnesium salt
97	D(+)-Cellobiose	205	D-Glucosamine 6-phosphate
177	D(+)-Galactosamine .HCl	206	D-Glucosamine 6-phosphate, Na salt
179	D(+)-Galactose	207	D-Glucosaminic acid
180	D(+)-Galactose, purified	223	D-Glucose 6-phosphate .H ₂ O
203	D(+)-Glucosamine .HCl	225	D-Glucose 6-phosphate, Na salt
494	D(+)-Xylose	226	D-Glucose 6-sulfate, K salt
493	D(+)-Xylose	213	D-Glucose diethyl mercaptal
276	D(-)-Lyxosylamine	224	D-Glucose-6-phosphate, K salt
426	D-(+)-2-Phosphoglyceric acid, Na salt	212	D-Glucose-L-cysteine
78	D-(+)-Arabitol	229	D-Glucuronic acid
127	D-(+)-Digitoxose	230	D-Glucuronic acid lactone
587	D-(+)-Melezitose hydrate	228	D-Glucuronic acid, Na salt
435	D-(+)-Raffinose .5H ₂ O	231	D-Glucuronic acid, Na salt
491	D-(+)-Turanose	233	D-Glyceraldehyde
427	D(-)-3-Phosphoglyceric acid, Ba salt	236	D-Glyceraldehyde 3-phosphate diethyl acetal, di(CHA) salt
428	D(-)-3-Phosphoglyceric acid, Ca salt	238	D-Gulono-g-lactone
431	D(-)-3-Phosphoglyceric acid, disodium salt	239	D-Gulose
430	D(-)-3-Phosphoglyceric acid, disodium salt	249	D-Idose
429	D(-)-3-Phosphoglyceric acid, tri(CHA) salt	274	D-Lyxose
432	D(-)-3-Phosphoglyceric acid, trisodium salt	282	D-Mandelonitrile β-D-glucoside
75	D(-)-Arabinose	283	D-Mannitol
438	D(-)-Ribose	284	D-Mannitol 1-phosphate, Ba salt
40	D-Altrose	285	D-Mannoheptulose
66	D-Amygdalin from apricot kernels	287	D-Mannosamine .HCl
150	D-Erythrose	294	D-Mannose 6-phosphate, Ba salt
151	D-Erythrose 4-phosphate, Na salt	295	D-Mannose 6-phosphate, disodium salt
159	D-Fructose 1,6-diphosphate, Ba salt	296	D-Mannuronic acid lactone
160	D-Fructose 1,6-diphosphate, Na salt	441	D-Ribose 5-phosphate, Ba salt
158	D-Fructose 1,6-diphosphate, dicalcium salt	442	D-Ribose 5-phosphate, disodium salt
161	D-Fructose 1,6-diphosphate, tetra(CHA) salt	443	D-Ribulose
163	D-Fructose 1-phosphate, Ba salt	444	D-Ribulose 1,5-diphosphate, dibarium salt
165	D-Fructose 1-phosphate, Na salt	445	D-Ribulose 1,5-diphosphate, tetrasodium salt .H ₂ O
164	D-Fructose 1-phosphate, di(CHA) salt	446	D-Ribulose 1,5-diphosphate, tetrasodium salt .H ₂ O
157	D-Fructose 1:2-cyclic,6-diphosphate, Na salt	448	D-Ribulose 5-phosphate, Ba salt
162	D-Fructose 2,6-diphosphate	449	D-Ribulose 5-phosphate, disodium salt
166	D-Fructose 6-phosphate, Ba salt	447	D-Ribulose o-nitrophenylhydrazone
168	D-Fructose 6-phosphate, K salt	451	D-Saccharic acid, Ca salt
167	D-Fructose 6-phosphate, disodium salt	453	D-Sedoheptulose 1,7-diphosphate, Na salt
173	D-Galactonic acid g-lactone	454	D-Sedoheptulose 7-phosphate, Ba salt
172	D-Galactonic acid, hemicalcium salt	457	D-Sorbitol 6-phosphate, Ba salt
188	D-Galactose 6-phosphate, Ba salt	456	D-Sorbitol hexaacetate
189	D-Galactose 6-phosphate, disodium salt	464	D-Tagatose mixed anomers
183	D-Galactose diethyl dithioacetal	499	D-Xylulose
190	D-Galacturonic acid, .H ₂ O	501	D-Xylulose 5-phosphate, Na salt
195	D-Glucoheptono-1,4-lactone	76	DL-Arabinose
196	D-Glucoheptose	234	DL-Glyceraldehyde
197	D-Glucoheptulose	237	DL-Glyceraldehyde 3-phosphate diethyl acetal, Ba salt
202	D-Gluconic acid	482	DL-Threitol
200	D-Gluconic acid, K salt	484	DL-Threitol tetraacetate
		495	DL-Xylose
		535	Deae-dextran

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Sigma Sugars and Carbohydrates

<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
538	Dextran sulfate, Na salt M.W. 500,000	568	Hydroxypropylmethylcellulose approx 50 centipoises
536	Dextran sulfate, Na salt M.W. 5000	570	Inulin from chicory root
537	Dextran sulfate, Na salt M.W. 8000	571	Inulin from dahlia tubers
533	Dextran, M.W. 100,000-200,000	257	Isomaltose
534	Dextran, M.W. 200,000-275,000	572	Isomaltotriose
532	Dextran, M.W. 40,000	263	Isopropyl b-D-thiogalactopyranoside
539	Dextrin type I	264	Isopropyl b-D-thioglucopyranoside
540	Dextrin type II	265	Kasuganobiosamine-N2-dimedone
541	Dextrin type III	496	L(-)Xylose
542	Dextrin type IV from potato	77	L-(+)-Arabinose
128	Dihydroxyacetone	439	L-(+)-Ribose
130	Dihydroxyacetone phosphate dimethyl ketal, di(CHA) salt	79	L(-)-Arabitol
129	Dihydroxyacetone phosphate, Li salt	289	L(-)-Mannose
146	Dulcitol	458	L(-)-Sorbose
250	Epi-inositol	466	L(-)-Talose
149	Erythritol bis-carbonate	171	L-Fucosylamine; 1-Amino-1-deoxy-L-fucose
543	Ethyl cellulose	174	L-Galactonic acid g-lactone
152	Ethyl-b-D-thioglucoside	181	L-Galactose
544	Ethylene glycol chitin	182	L-Galactose
546	Ficoll type 400	211	L-Glucose
545	Ficoll type 70	235	L-Glyceraldehyde
547	Fluorescein isothiocyanate dextran M.W. 4,000	240	L-Gulose
154	Fraxin	275	L-Lyxose
155	Fructosazine	286	L-Mannonic acid g-lactone
548	Fucoidan from fucus vesiculosus	483	L-Threitol
194	Glucoheptonic acid, Ca salt	500	L-Xylulose
227	Glucuronamide	269	Lactobionic acid, Ca salt
550	Glycogen type II from oyster	573	Laminaribose mixed anomers
551	Glycogen type III from rabbit liver	574	Laminarin crude from laminaria digitata
552	Glycogen type IX from bovine liver	575	Lanatoside a
553	Glycol chitosan	578	Lipopolysaccharide from E. coli serotype 0127:B8
556	Heparin, Ca salt from porcine intestinal mucosa	577	Lipopolysaccharide from E. coli serotype 0128:B12
557	Heparin, Li salt from porcine intestinal mucosa	576	Lipopolysaccharide from serratia marcescens
560	Heparin, Na salt from bovine lung	579	Maltoheptaose
558	Heparin, Na salt from porcine intestinal mucosa	580	Maltohexaose
559	Heparin, Na salt from porcine intestinal mucosa	581	Maltooligosaccharide from corn syrup
555	Heparin, ammonium salt from porcine intestinal mucosa	582	Maltopentaose
561	Hesperidin	277	Maltose .H2O
242	Hesperidin methyl chalcone	278	Maltose .H2O
565	Hyaluronic acid from bovine vitreous humor	583	Maltotetraose
562	Hyaluronic acid from human umbilical cord	584	Maltotriose
563	Hyaluronic acid, K salt	586	Mannan from saccharomyces cerevisiae
566	Hyaluronic acid, K salt from rooster comb	585	Mannan from saccharomyces cerevisiae
564	Hyaluronic acid, Na salt	297	Melibionic acid, K salt
567	Hydroxyethyl starch	299	Mentholglucuronic acid, ammonium salt
246	Hydroxyethyl-1-thio-b-D-galactopyranoside	301	Methyl 2-acetamido-2-deoxy-b-D-glucopyranoside
569	Hydroxypropylmethylcellulose approx 4000 centipoise	316	Methyl 6-deoxy-b-D-glucopyranoside
		326	Methyl a-D-mannopyranoside
		325	Methyl a-D-mannopyranoside
		311	Methyl a-L-daunosaminide .HCl
		329	Methyl-1,2,3,4-tetra-O-acetyl-b-D-glucuronate
		331	Methyl-2,3,5-tri-O-benzoyl-a-D-arabinofuranoside

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Sigma Sugars and Carbohydrates

<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
332	Methyl-2,3,5-tri-O-benzoyl-a-L-arabinofuranoside	28	N-Acetylneuraminic acid type III
305	Methyl-2,3-anhydro-4,6-O-benzylidene a-D-allopyranoside	29	N-Acetylneuraminic acid type IV
304	Methyl-3-amino-3-deoxy-a-D-mannopyranoside .HCl	30	N-Acetylneuraminic acid type VI
303	Methyl-3-amino-3-deoxy-b-D-glucopyranoside	31	N-Acetylneuraminic acid type VII
308	Methyl-4,6-O-benzylidene-2,3-di-O-p-tosyl-a-D-galactopyranoside	32	N-Acetylneuraminic acid type VIII
309	Methyl-4,6-O-benzylidene-2,3-di-O-p-tosyl-a-D-glucopyranoside	67	N-Amyl-b-D-glucopyranoside
310	Methyl-4,6-O-benzylidene-a-D-glucopyranoside	81	N-Benzoyl a-D-glucosamine
315	Methyl-6-deoxy-a-D-glucopyranoside	106	N-Decyl b-D-glucopyranoside
313	Methyl-6-deoxy-a-L-galactopyranoside	145	N-Dodecyl glucoside
314	Methyl-6-deoxy-b-L-galactopyranoside	554	N-Glycolylneuraminic acid
302	Methyl-a-D-altropyranoside	241	N-Heptyl b-D-glucopyranoside
328	Methyl-b-D-ribofuranoside	245	N-Hexyl b-D-glucopyranoside
327	Methyl-p-nitrophenyl-2,3,4-tri-O-acetyl-b-D-glucuronate	408	N-Octyl-b-D-glucopyranoside
339	Methylumbelliferyl-b-D-N,N'-diacetylchitobiose	96	N2-CBZ-kasuganobiosamine
355	Metrizamide	588	Naphthoyl-1-cellulose
356	Mucic acid	364	Naringin from citrus fruit
357	Muramic acid	365	Neohesperidin dihydrochalcone from citrus fruit
251	Myo-inositol	366	Neohesperidose
254	Myo-inositol 2-monophosphate, di(CHA) salt	589	Neuraminic acid b-methylglycoside
252	Myo-inositol hexanicotinate	590	Nigeran tetrasaccharide from aspergillus awamori
253	Myo-inositol hexasulfate, hexapotassium salt	592	Oligo dT-cellulose
467	N,N',N',N'-Tetraacetylchitotetraose	409	Panose mixed anomers
613	N,N',N'-Triacetylchitotriose	593	Pectin from citrus fruits
122	N,N'-Diacetylchitobiose	594	Pentosan polysulfate, Na salt
123	N,N'-Diacetylchitobiose hexaacetate	410	Perseitol
45	N-(e-Aminocaproyl)-D-glucopyranosylamine	595	Phenoxyacetylcellulose
44	N-(e-Aminocaproyl)-b-D-galactopyranosylamine	411	Phenyl-N-acetyl-a-D-galactosaminide
43	N-(e-Aminocaproyl)-b-L-fucopyranosylamine	412	Phenyl-N-acetyl-a-D-glucosaminide
18	N-Acetyl-D-galactosamine	413	Phenyl-N-acetyl-b-D-glucosaminide
20	N-Acetyl-D-glucosamine	417	Phenyl-a-D-glucoside
23	N-Acetyl-D-glucosamine-6-phosphate, Na salt	418	Phenyl-a-D-glucoside tetraacetate
19	N-Acetyl-a-D-galactosamine-1-phosphate, Na salt	416	Phenyl-b-D-galactoside
22	N-Acetyl-a-D-glucosamine-1-phosphate, Na salt	419	Phenyl-b-D-glucoside
21	N-Acetyl-b-D-glucosamine naphthol AS-LC	420	Phenyl-b-D-glucuronide
25	N-Acetyl-b-D-mannosamine hydrate	421	Phenyl-b-D-thiogalactoside
24	N-Acetyllactosamine	414	Phenylethyl-b-D-galactoside
26	N-Acetylmuramic acid	415	Phenylethyl-b-D-thio-galactoside
33	N-Acetylneuramin-lactose from bovine colostrum	434	Phytic acid, Ba salt from corn
34	N-Acetylneuramin-lactose from human milk	596	Polyamidohygrostreptin
27	N-Acetylneuraminic acid type II	597	Polygalacturonic acid from orange
		599	Polygalacturonic acid, K salt
		598	Polygalacturonic acid, Li salt
		600	Polygalacturonic acid, Na salt
		601	Polymeric dialdehyde
		436	Raffinose .11H2O
		602	Reactive blue 2-dextran
		603	Reactive blue 2-sepharose CL-6B
		604	Reactive green 19-agarose
		606	Reactive red 120-agarose type 3000
		605	Reactive red 4-dextran
		608	Reactive yellow 2-dextran
		607	Reactive yellow 86-agarose
		609	Rhodamine B isothiocyanate dextran 70S
		450	Rutinose heptaacetate
		452	Saponin
		256	Scyllo-inosose
		455	Sinigrin hydrate

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Sigma Sugars and Carbohydrates

<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
610	Stachyose from stachys tubrifera hydrate	219	a-D-Glucose 1-phosphate, disodium salt .H2O
611	Starch, potato, soluble	220	a-D-Glucose-1-phosphate, disodium salt .H2O
459	Stevioside from stevia rebaudiana bertonii leaves	232	a-D-Glucuronic acid 1-phosphate, K salt .5H2O
460	Streptozotocin mixed anomers	248	a-D-Idopyranose pentaacetate
461	Sucrose	290	a-D-Mannosepentaacetate
462	Sucrose	440	a-D-Ribose 1-phosphate, di(CHA) salt
463	Sucrose octaacetate	465	a-D-Talose
612	Sulfhydryl cellulose	497	a-D-Xylose 1-phosphate
469	Tetraacetyl-a-D-(+)-fucose	170	a-L(-)Fucose
470	Tetraacetyl-a-L-(-)-fucose	437	a-L-Rhamnose
476	Thiodigalactoside	270	a-Lactose .H2O
486	Tri-O-acetyl-D-glucal	273	a-Lactose 1-phosphate, Ba salt
614	Xylan from larchwood	353	a-Methyl-D-xyloside
492	Xylitol	358	a-Naphthyl-a-D-galactopyranoside
85	a-Benzyl-N-CBZ-3,4,6-tri-O-acetylglucosaminide	359	a-Naphthyl-b-D-galactopyranoside
83	a-Benzyl-N-CBZ-D-glucosaminide	363	a-Naphthyl-b-D-glucuronide, Na salt
515	a-Cellulose	86	b-Benzyl-N-CBZ-3,4,6-tri-O-acetyl-D-glucosaminide
517	a-Chaconine from potato sprouts	84	b-Benzyl-N-CBZ-D-glucosaminide
98	a-Chloralose	99	b-Chloralose
529	a-Cyclodextrin	530	b-Cyclodextrin
298	a-D(+)-Melibiose	156	b-D(-)Fructose
169	a-D(+)Fucose	210	b-D-(+)-Glucose pentaacetate
208	a-D(+)Glucose anhydrous	38	b-D-Allose
209	a-D(+)Glucose pentaacetate	185	b-D-Galactose pentaacetate
279	a-D-(+)-Maltose 1-phosphate, Ba salt	222	b-D-Glucose 1-phosphate, di(CHA) salt
280	a-D-(+)-Maltose 1-phosphate, di(CHA) salt	498	b-D-Xylose tetraacetate
281	a-D-(+)-Maltose 1-phosphate, dipotassium salt	192	b-Gentiobiose
291	a-D-(+)-Mannose 1-phosphate, di(CHA) salt	193	b-Gentiobiose octaacetate
293	a-D-(+)-Mannose 1-phosphate, disodium salt	549	b-Glucan from barley
292	a-D-(+)-Mannose-1-phosphate, dipotassium salt	39	b-L-Allose
178	a-D-Galactosamine 1-phosphate	271	b-Lactose
186	a-D-Galactose 1-phosphate, Ba salt type III	272	b-Lactose octaacetate
187	a-D-Galactose 1-phosphate, dipotassium salt	354	b-Methyl-D-xyloside
184	a-D-Galactose pentaacetate	361	b-Naphthyl-a-D-glucopyranoside
191	a-D-Galacturonic acid 1-phosphate, Li salt	360	b-Naphthyl-b-D-galactopyranoside
204	a-D-Glucosamine 1-phosphate	362	b-Naphthyl-b-D-glucopyranoside
214	a-D-Glucose 1,6-diphosphate, tetra(CHA) salt	531	g-Cyclodextrin
215	a-D-Glucose 1,6-diphosphate, tetra(CHA) salt	148	i-Erythritol
216	a-D-Glucose 1,6-diphosphate, tetrapotassium salt .H2O	382	m-Nitrophenyl-a-D-galactopyranoside
218	a-D-Glucose 1-phosphate, dipotassium salt	57	o-Aminophenyl-b-D-glucuronide
217	a-D-Glucose 1-phosphate, dipotassium salt	403	o-Nitrophenyl-1-thio-b-D-galactopyranoside
221	a-D-Glucose 1-phosphate, disodium salt .4H2O	370	o-Nitrophenyl-N-acetyl a-D-glucosaminide
		368	o-Nitrophenyl-N-acetyl-a-D-galactosaminide
		381	o-Nitrophenyl-a-D-galactopyranoside
		377	o-Nitrophenyl-b-D-fucopyranoside
		378	o-Nitrophenyl-b-D-fucopyranoside
		385	o-Nitrophenyl-b-D-galactopyranoside
		387	o-Nitrophenyl-b-D-galactopyranoside 6-phosphate
		391	o-Nitrophenyl-b-D-glucopyranoside
		406	o-Nitrophenyl-b-D-xylopyranoside
		41	p-Aminobenzyl-1-thio-2-acetamido-2-deoxy-b-D-glucopyranoside

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Sigma Sugars and Carbohydrates

<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
42	p-Aminobenzyl-1-thio-b-D-galactopyranoside	371	p-Nitrophenyl-N-acetyl-a-D-glucosaminide
62	p-Aminophenyl-1-thio-b-D-galactopyranoside	369	p-Nitrophenyl-N-acetyl-b-D-galactosaminide
63	p-Aminophenyl-1-thio-b-D-glucopyranoside	372	p-Nitrophenyl-N-acetyl-b-D-glucosaminide
64	p-Aminophenyl-1-thio-b-D-xylopyranoside	383	p-Nitrophenyl-a-D-galactopyranoside
49	p-Aminophenyl-2-acetamido-2-deoxy-b-D-glucopyranoside	384	p-Nitrophenyl-a-D-galactopyranoside
50	p-Aminophenyl-N-acetyl-b-D-thioglucoaminide	390	p-Nitrophenyl-a-D-glucopyranoside
53	p-Aminophenyl-a-D-galactopyranoside	394	p-Nitrophenyl-a-D-maltoside
55	p-Aminophenyl-a-D-glucopyranoside	396	p-Nitrophenyl-a-D-mannopyranoside
59	p-Aminophenyl-a-D-mannopyranoside	374	p-Nitrophenyl-a-L-arabinofuranoside
51	p-Aminophenyl-a-L-fucopyranoside	376	p-Nitrophenyl-a-L-fucopyranoside
54	p-Aminophenyl-b-D-galactopyranoside	401	p-Nitrophenyl-a-L-thiofucopyranoside
56	p-Aminophenyl-b-D-glucopyranoside	591	p-Nitrophenyl-b-D-N,N'-diacetylchitobiose
58	p-Aminophenyl-b-D-lactopyranoside	375	p-Nitrophenyl-b-D-cellobioside
60	p-Aminophenyl-b-D-thiofucopyranoside	379	p-Nitrophenyl-b-D-fucopyranoside
65	p-Aminophenyl-b-D-xylopyranoside	386	p-Nitrophenyl-b-D-galacto-pyranoside
52	p-Aminophenyl-b-L-fucopyranoside	388	p-Nitrophenyl-b-D-galacturonide
61	p-Aminophenyl-b-L-thiofucopyranoside	389	p-Nitrophenyl-b-D-gentiobioside
367	p-Nitrobenzyl-1-thio-2-acetamidotriacetyl-b-D-glucosamine	392	p-Nitrophenyl-b-D-glucuronide
404	p-Nitrophenyl-1-thio-b-D-galactopyranoside	393	p-Nitrophenyl-b-D-lactopyranoside
399	p-Nitrophenyl-2,3,4,6-tetra-O-acetyl-b-D-glucosaminide	395	p-Nitrophenyl-b-D-maltoside
373	p-Nitrophenyl-N-acetyl-1-thio-b-D-glucosaminide	397	p-Nitrophenyl-b-D-mannopyranoside
		398	p-Nitrophenyl-b-D-melibiose
		400	p-Nitrophenyl-b-D-thiofucopyranoside
		407	p-Nitrophenyl-b-D-xylopyranoside
		380	p-Nitrophenyl-b-L-fucopyranoside
		402	p-Nitrophenyl-b-L-thiofucopyranoside
		405	p-Nitrophenyl-thio-b-D-glucopyranoside