

# COMPOUNDS WITH TRIVIAL OR UNUSUAL NAMES

## (Amino Acids, Dicarboxylic Acids, Aliphatic Carboxylic Acids, Sugars)

© Dr. John Andraos, 2003

Department of Chemistry, York University  
4700 Keele Street, Toronto, ONTARIO M3J 1P3, CANADA

For suggestions, corrections, additional information, and comments please send e-mails to [jandraos@yorku.ca](mailto:jandraos@yorku.ca)

<http://www.chem.yorku.ca/NAMED/>

### Amino Acids

AMINO ACID	CAS NUMBER	LANGUAGE	WORD ORIGIN	DESCRIPTION
alanine	56-41-7	German	alanin	irregular form of aldehyde (dehydrogenated alcohol)
arginine	74-79-3	German	arginin	unexplained
asparagine	70-47-3	Latin	asparagus	Found in asparagus
aspartic acid	56-84-8	Latin	asparagus	Found in asparagus
cysteine	52-90-4	Greek	kystis	bladder pouch; discovered in bladder stones
cystine	56-89-3	Greek	kystis	bladder pouch; discovered in bladder stones
glutamic acid	56-86-0	Latin	gluten + amino acid	glue
glutamine	56-85-9	Latin	gluten + amino acid	glue
glycine	56-40-6	Greek	glykeros	sweet
histidine	71-00-1	Greek	histos	tissue
isoleucine	73-32-5	Greek	leukos	light
leucine	61-90-5	Greek	leukos	light
lysine	56-87-1	Greek	lys-, lysi-	loosening
methionine	63-68-3	Greek	methyl + thion, theion	sulfur
ornithine	70-26-8	Greek	ornith-, ornis	bird (found in urine of birds)
Phenyl-alanine	63-91-2	German	phenyl + alanine	irregular form of aldehyde (dehydrogenated alcohol)
proline	147-85-3	German Greek	Prolin pyrrhos	Alteration of pyrrolidine Red
serine	56-45-1	Latin	sericum	Silk
threonine	72-19-5	Greek	erythron	Alteration of <i>erythron</i> (red) threonic acid
tryptophan	73-22-3	Greek	tryein	to wear down

				(foods containing tryptophan induce sleep)
tyrosine	60-18-4	Greek	tyros	cheese, butter
valine	72-18-4	Medieval Latin	Valeria	Roman province of formerly part of Pannonia, from valeric acid

### Dicarboxylic Acids

HOOC (CH <sub>2</sub> ) <sub>n</sub> COOH	CAS NUMBER	LANGUAGE	WORD ORIGIN	DESCRIPTION
Oxalic n = 0	144-62-7	Latin	oxalis	Wood sorrel
Malonic n = 1	141-82-2	French Latin	malonique malum	Alteration of malic apple
Succinic n = 2	110-15-6	Latin	succinum	Amber
Glutaric n = 3	110-94-1	Latin	Gluten	glue
Adipic n = 4	124-04-9	Latin	adip	Fat, lard
Pimelic n = 5	111-16-0	Greek	pimele	Soft fat
Suberic n = 6	505-48-6	Latin	suber	cork
Azelaic n = 7	123-99-9			
Sebacic n = 8	111-20-6	Latin	sebaceus	Tallow, grease, fatty
Undecane- dioic acid n = 9	1852-04-6	Latin	Undecim (11) Unus (1) Decem (10)	Un (1) + deca (10)
Dodecane- dioic acid n = 10	693-23-2	Greek	Dodeka (12) Dyo (2) Deka (10)	Do (2) + deca (10)

### n-Alkylcarboxylic acids

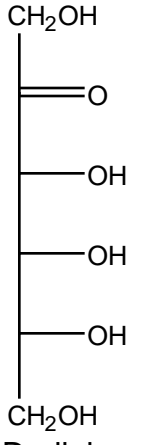
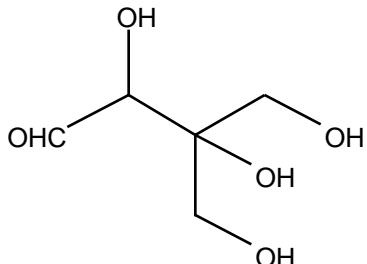
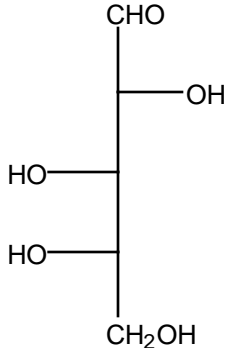
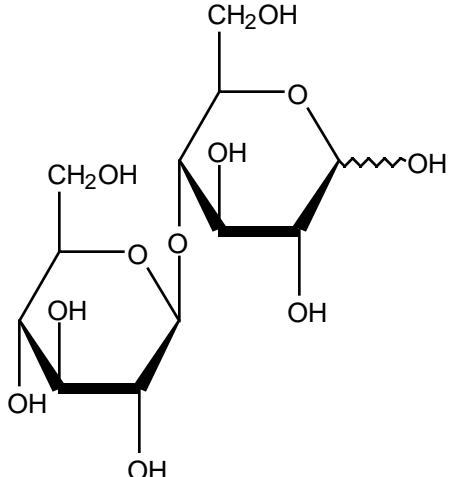
CH <sub>3</sub> (CH <sub>2</sub> ) <sub>n</sub> COOH		CAS NUMBER	LANGUAGE	WORD ORIGIN	DESCRIPTION
acetic	0	64-19-7	Latin	Acetum Acere Acer	Vinegar, sour, sharp
propanoic	1	79-09-4			
butyric	2	107-92-6	Latin	butyrum	
valeric	3	109-52-4	Latin	Valeriana	From the root of valerian ( <i>Valeriana</i> genus of herbs); Valeria, Roman province formerly part of Pannonia

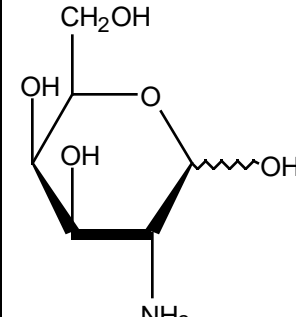
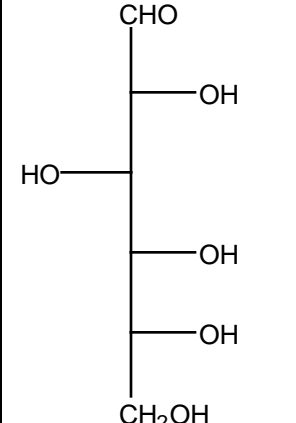
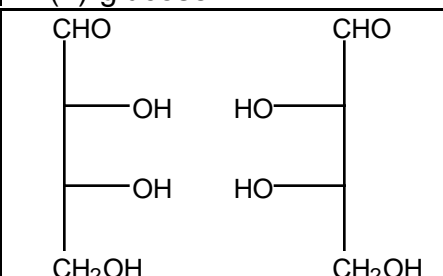
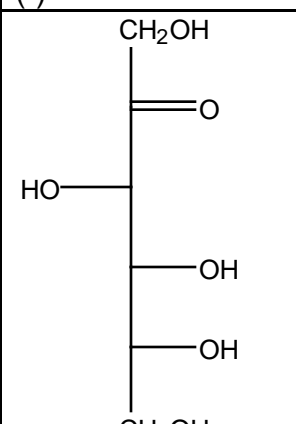
caproic	4	142-62-1	Latin	caper	Goat; smell under the armpits
oenanthylic	5	111-14-8			
caprylic	6	124-07-2	Latin	caper	Goat; smell under the armpits
pelargonic	7	112-05-0	Greek	pelargos	<i>Pelargonium</i> genus of herbs
capric	8	334-48-5	Latin	caper	Goat; smell under the armpits
undecanoic	9	112-37-8	Latin Greek	Undecim Unus (1) Deka (10) Decem (10)	Un (1) + deca (10)
lauric	10	143-07-7	Latin	laurus	Laurel, bay tree
tridecanoic	11	638-53-9	Latin Greek	Tres (3) Treis (3) Deka (10) Decem (10)	Tri (3) + deca (10)
myristic	12	544-63-8	Latin	Myristica	<i>Myristica</i> genus of trees
pentadecanoic	13	1002-84-2	Latin Greek	Pente (5) Deka (10) Decem (10)	Penta (5) + deca (10)
palmitic	14	57-10-3	French, Spanish	Palmitine, Palmito, palma	Pith of the palm tree
margaric	15	506-12-7	French	margarique	
stearic	16	57-11-4	French Greek	Stearique, stear	tallow
Nonadecanoic	17	646-30-0	Latin Greek	Nonus (9) Deka (10) Decem (10)	Nona (9) + Deca (10)
arachidic	18	506-30-9	Greek	arachis	<i>Lathyrus arnuus</i> , a leguminous plant
Heneicosanoic	19	2363-71-5	Greek	Eikosi (20)	Hene (1) + icsa (20)
behinic	20	112-85-6			
Tricosanoic	21	2433-96-7	Greek Latin	Tres (3) Treis (3) Eikosi (20)	Tri (3) + icsa (20)
Tetracosanoic	22	557-59-5	Greek	Tettares (4) Eikosi (20)	Tetra (4) + icsa (20)
Hyenic	23	506-38-7			
Cerotic	24	506-46-7	Latin, Greek	Cerotum, Keroton, keros	Pomade, wax
Hepta-Cosanoic	25	7138-40-1	Greek	Hepta (7) Eikosi (20)	Hepta (7) + icsa (20)
Octa-Cosanoic	26	506-48-9	Greek Latin	Okta (8) Octo (8) Eikosi (20)	Octa (8) + icsa (20)
Nona-cosanoic	27	4250-38-8	Latin Greek	Nonus (9) Eikosi (20)	Nona (9) + icsa (20)
melissic	28	506-50-3	Greek	Melissa	Greek mythology: sister of Amalthea who nourished infant Zeus with honey

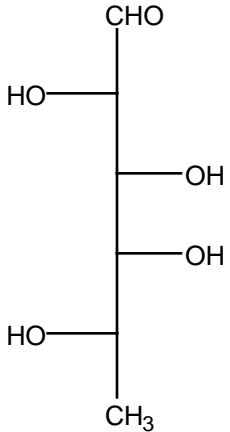
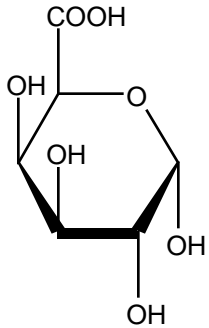
Hentria- Contanoic	29	38232-01-8	Latin Greek	Tres (3) Treis (3)	Hen (1) + Tri (3) X Conta (10)
Dotria- contanoic	30	3625-52-3	Latin Greek	Dyo (2)	Do (2) + Tri (3) X Conta (10)

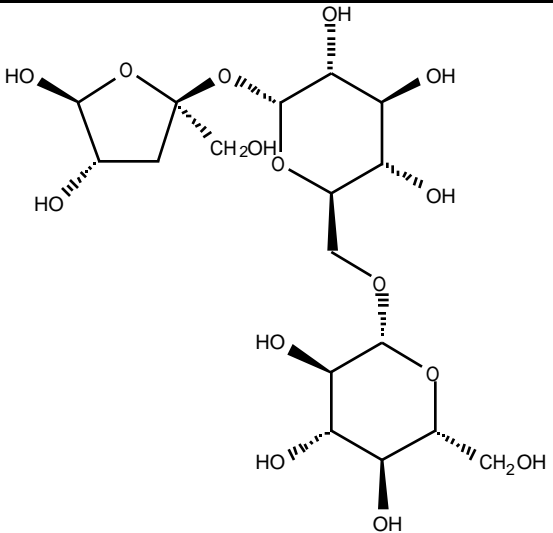
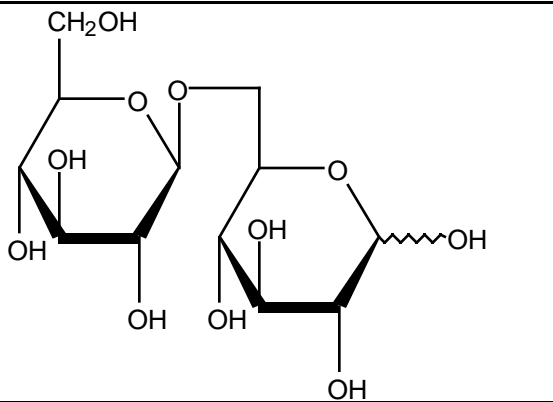
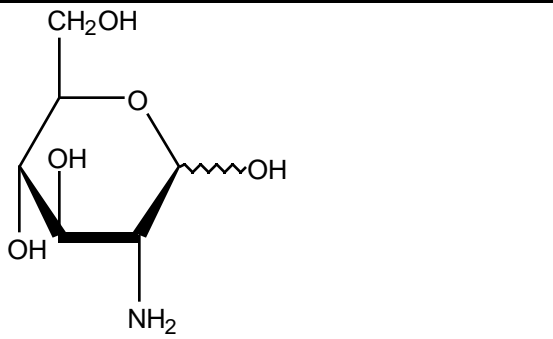
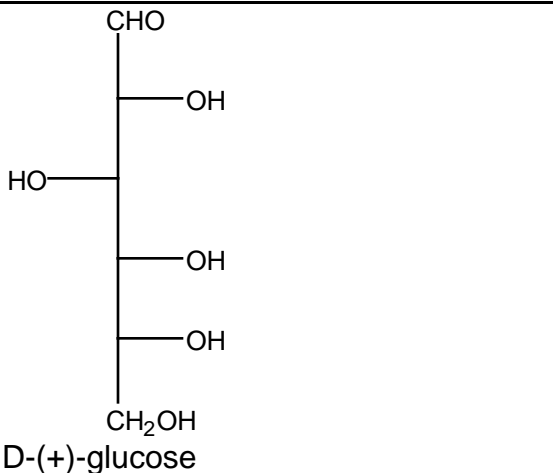
### Sugars

NAME OF COMPOUND	CAS NUMBER	Origin	Structure
Adonitol	488-81-3		$  \begin{array}{c}  \text{CH}_2\text{OH} \\    \\  \text{---OH} \\    \\  \text{---OH} \\    \\  \text{---OH} \\    \\  \text{CH}_2\text{OH}  \end{array}  $
Allose	2595-97-3 (D)		$  \begin{array}{c}  \text{CHO} \\    \\  \text{HO---} \\    \\  \text{HO---} \\    \\  \text{HO---} \\    \\  \text{HO---} \\    \\  \text{CH}_2\text{OH}  \end{array}  $ <p>L-(-)-allose</p>
Altrose	5987-68-8		$  \begin{array}{c}  \text{CHO} \\    \\  \text{---OH} \\    \\  \text{HO---} \\    \\  \text{HO---} \\    \\  \text{HO---} \\    \\  \text{CH}_2\text{OH}  \end{array}  $ <p>L-(-)-altrose</p>

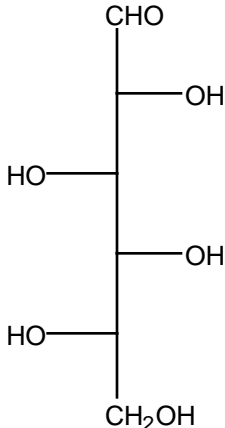
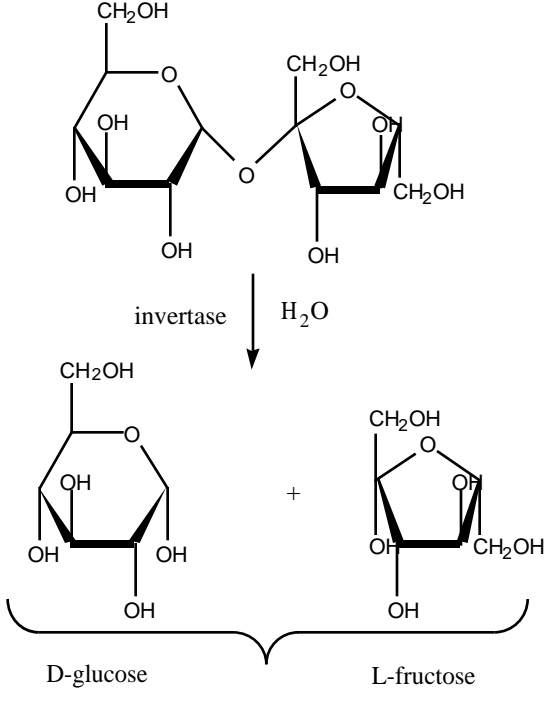
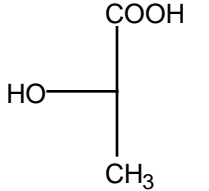
Allulose (psicose, pseudo-fructose)	23140-52-5		 <p>D-allulose</p>
Amylose	9005-82-7	Greek: <i>Amylon</i> Latin: <i>Amylum</i> (not ground at the mill)	Polymer of glucose units by hydrolysis of starch
Apiose	42927-70-8 639-97-4 (D)		
Arabinose	10323-20-3 (D) 20235-19-2 (DL) 5328-37-0 (L)	Arabin (solid principle in gum arabic)	 <p>L-(+)-arabinose</p>
Cellobiose (cellose)	528-50-7	French: <i>Cellule</i> (living cell) Latin: <i>Cellula</i>	
Cellulose	9004-34-6	French:	

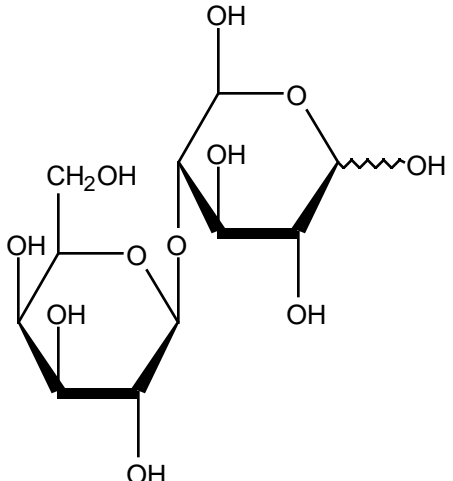
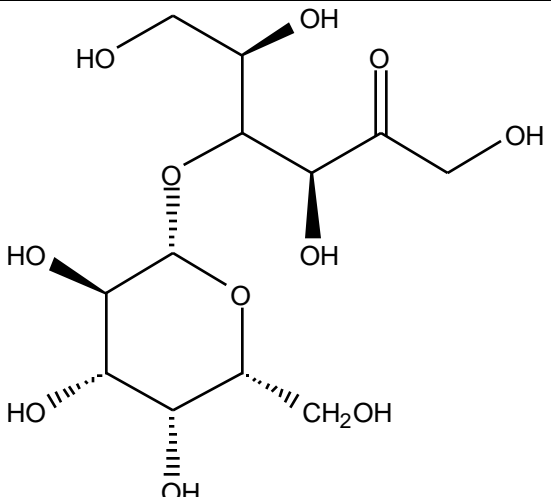
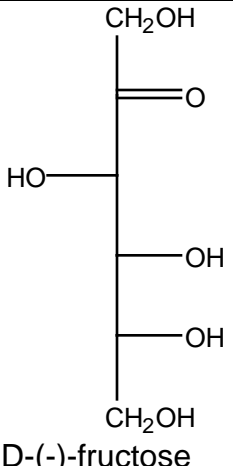
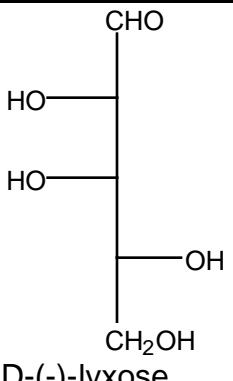
		<p><i>Cellule</i> (living cell) Latin: <i>Cellula</i></p>	
Chondrosamine (galactosamine)	7535-00-4	<p>Greek: <i>Chondros</i> (grain, cartilage)</p>	
Dextrose (D-glucose)	50-99-7	<p>Greek: dexios Latin: dexter (to the right)</p>	 <p>D-(+)-glucose</p>
Erythrose	1758-51-6	<p>Greek: <i>Erythros</i> (red)</p>	 <p>D-erythrose (-)                  L-erythrose (+)</p>
Fructose (levulose)	57-48-7 (D) 7776-48-9 (L)	<p>Latin: <i>Fructus</i> (fruit)</p>	 <p>D-(-)-fructose</p>

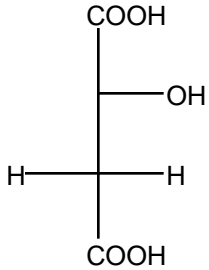
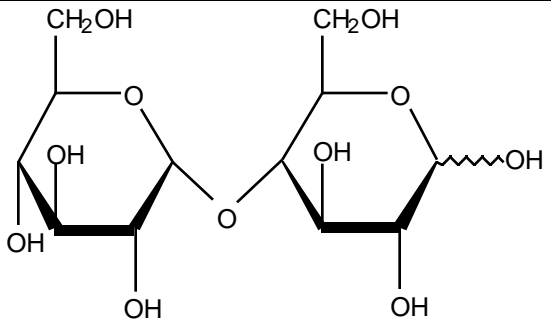
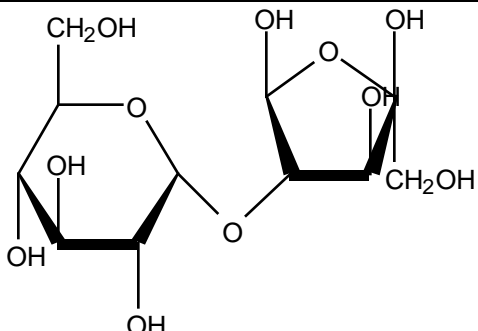
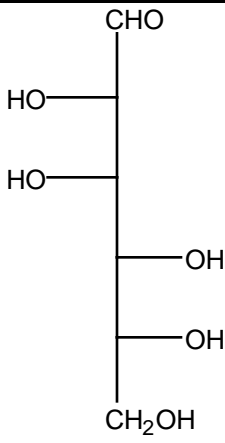
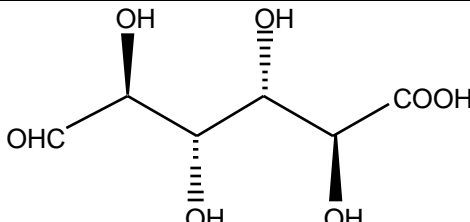
<p>Fucose</p>	<p>3615-37-0 (D) 2438-80-4 (L)</p>	<p>Latin: <i>Fucus</i> Greek: <i>Phykos</i> (seaweed) Found in brown algae of genus <i>Fucus</i></p>	 <p>CHO HO— —OH —OH HO— CH<sub>3</sub> L(-)-fucose</p>
<p>Galactogen</p>	<p>37208-43-8</p>	<p>Greek: <i>Galakt-, gala</i> (milk)</p>	
<p>Galactose</p>	<p>59-23-4 (D) 15572-79-9 (L)</p>	<p>Greek: <i>Galaxias,</i> <i>Galakt-, gala</i> (milk)</p>	 <p>CHO —OH HO— HO— —OH CH<sub>2</sub>OH D-(+)-galactose</p>
<p>Galacturonic acid</p>	<p>685-73-4</p>	<p>Greek: <i>Galaxias,</i> <i>Galakt-, gala</i> (milk)</p>	 <p>COOH OH OH OH OH OH <math>\alpha</math>-D-galacturonic acid</p>

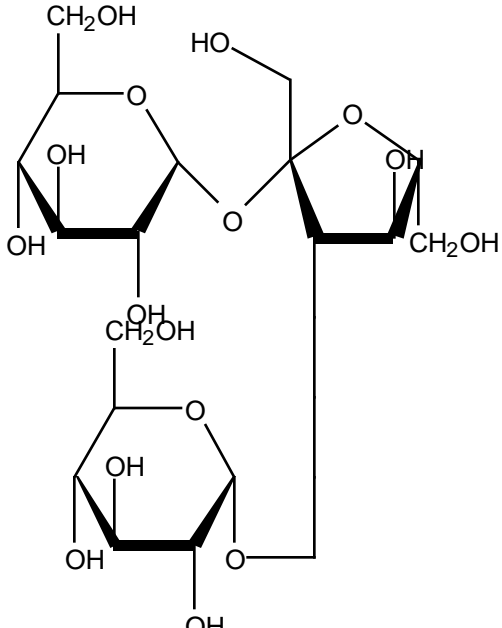
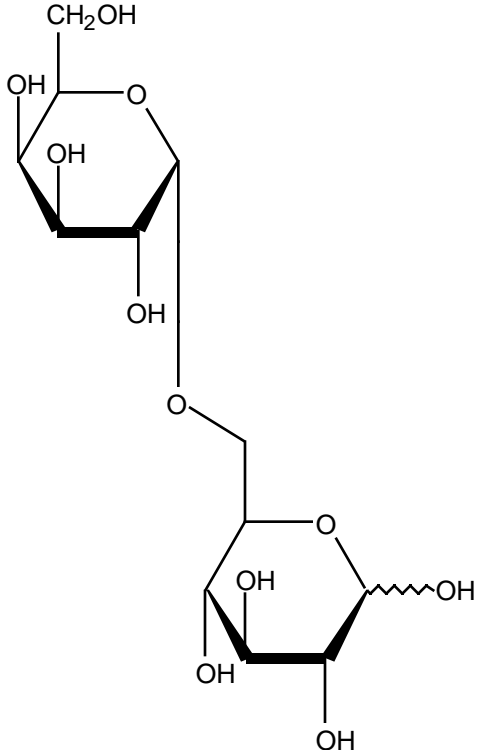
Gentianose	25954-44-3	Latin: <i>Gentiana</i> From roots of various kinds of herbs of genus <i>Gentiana</i>	
Gentiobiose	554-91-6	Latin: <i>Gentiana</i> From roots of various kinds of herbs of genus <i>Gentiana</i>	
Glucosamine (chitosamine)	3416-24-8	Greek: <i>Glykeros</i> (sweet) Latin: <i>Gluten</i> (glue)	
Glucose (dextrose)	50-99-7 (D) 921-60-8 (L) 58367-01-4 (DL)	Greek: <i>Glykeros</i> (sweet) Latin: <i>Gluten</i> (glue)	 <p>D-(+)-glucose</p>

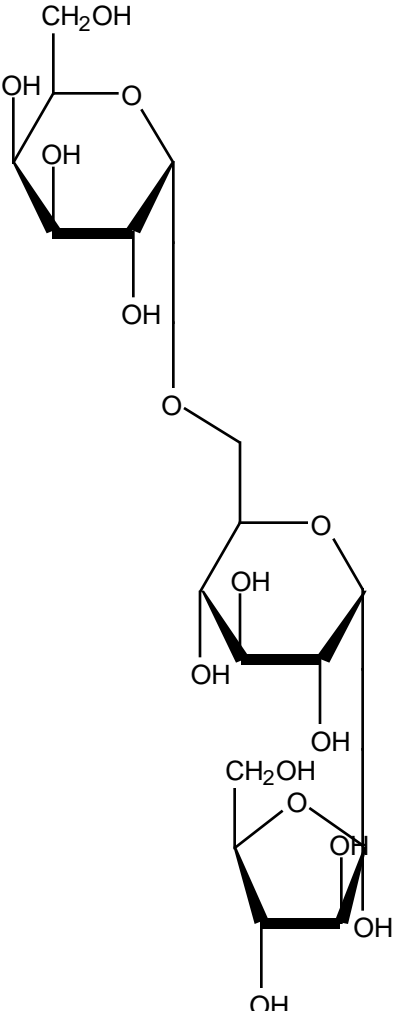
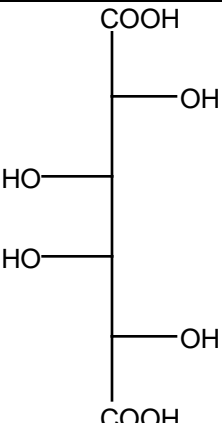
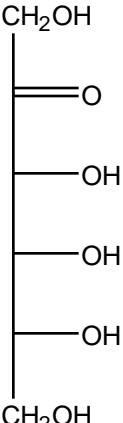
Glucuronic acid	6556-12-3 (D) 576-37-4 (DL)	Greek: <i>Glykeros</i> (sweet) Latin: <i>Gluten</i> (glue)	$  \begin{array}{c}  \text{CHO} \\    \\  \text{—OH} \\    \\  \text{HO—} \\    \\  \text{—OH} \\    \\  \text{—OH} \\    \\  \text{COOH}  \end{array}  $ <p>D-glucuronic acid</p>
Glyceraldehyde	453-17-8 (D) 497-09-6 (L) 56-82-6 (DL)	Greek: <i>Glykeros</i> (sweet)	$  \begin{array}{cc}  \begin{array}{c}  \text{CHO} \\    \\  \text{—OH} \\    \\  \text{CH}_2\text{OH}  \end{array}  &  \begin{array}{c}  \text{CHO} \\    \\  \text{HO—} \\    \\  \text{CH}_2\text{OH}  \end{array}  \end{array}  $ <p>D-glyceraldehyde (+)      L-glyceraldehyde (-)</p>
Glycogen	9005-79-2	Greek: <i>Glykeros</i> (sweet)	
Gulonic acid	20246-53-1		$  \begin{array}{c}  \text{CH}_2\text{OH} \\    \\  \text{—OH} \\    \\  \text{HO—} \\    \\  \text{—OH} \\    \\  \text{—OH} \\    \\  \text{COOH}  \end{array}  $ <p>L-gulonic acid</p>
Gulose	6027-89-0 (L)		$  \begin{array}{c}  \text{CH}_2\text{OH} \\    \\  \text{—OH} \\    \\  \text{HO—} \\    \\  \text{—OH} \\    \\  \text{—OH} \\    \\  \text{CHO}  \end{array}  $ <p>L-(+)-gulose</p>

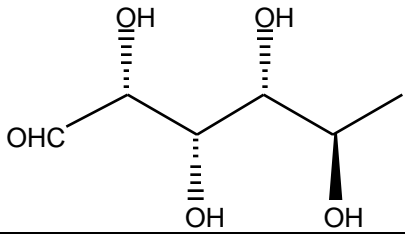
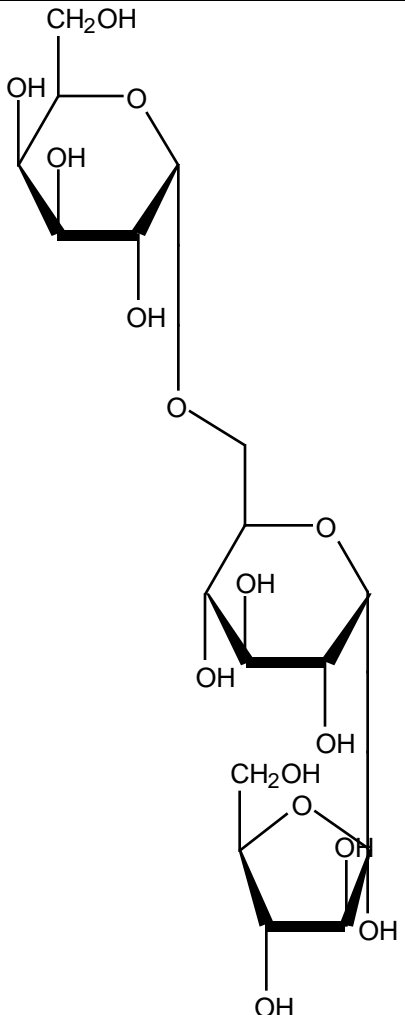
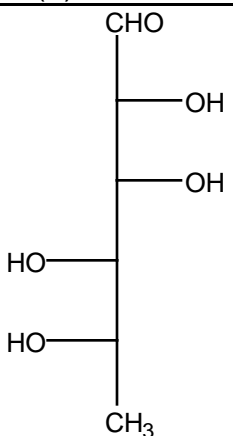
Idose	2152-76-3		 <p>L-(+)-idose</p>
Inulin	9005-80-5	<p>German: <i>Inulin</i> Latin: <i>Inula</i> (elecampane) <i>Campana</i> (of the field) European composite herb <i>Inula helenium</i></p>	
Invertose (invert sugar)	8013-17-0	<p>Mixture of glucose (dextrose = D-(+)-glucose) and fructose (levulose = L-(-)-fructose) made by hydrolysis of sucrose (usually by invertase enzyme); the word invert comes from the fact that the sign of optical rotation is reversed when sucrose is hydrolyzed (positive to negative rotation)</p>	 <p>D-glucose + L-fructose</p>
Lactic acid	10326-41-7 (D) 79-33-4 (L) 50-21-5 (DL)	<p>Greek: <i>Galaxias</i>, <i>Galakt-</i>, <i>gala</i> (milk) Latin: <i>Lact-</i></p>	 <p>L(+)-lactic acid</p>

<p>Lactose (D-galactose + D-glucose)</p>	<p>63-42-3</p>	<p>Greek: <i>Galaxias,</i> <i>Galakt-, gala</i> (milk) Latin: <i>Lact-</i></p>	
<p>Lactulose (D-fructose + <math>\beta</math>-D- galactopyranosyl)</p>	<p>4618-18-2</p>	<p>Greek: <i>Galaxias,</i> <i>Galakt-, gala</i> (milk) Latin: <i>Lact-</i></p>	
<p>Levulose (L-fructose)</p>	<p>57-48-7 (D)</p>	<p>Latin: <i>Laevus</i> (situated to the left)</p>	 <p>D-(-)-fructose</p>
<p>Lyxose</p>	<p>1114-34-7 (D) 1949-78-6 (L)</p>		 <p>D-(-)-lyxose</p>

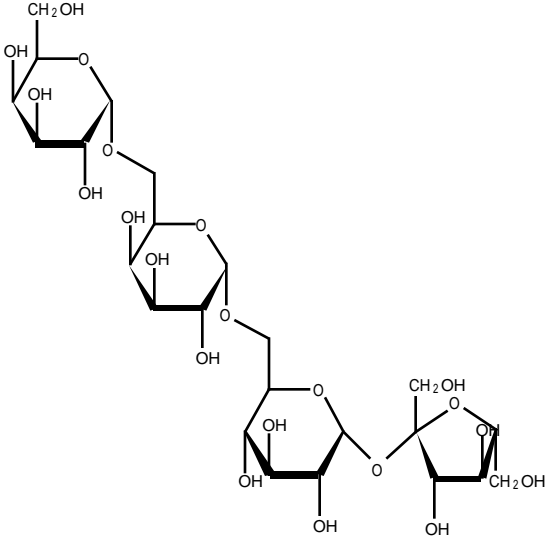
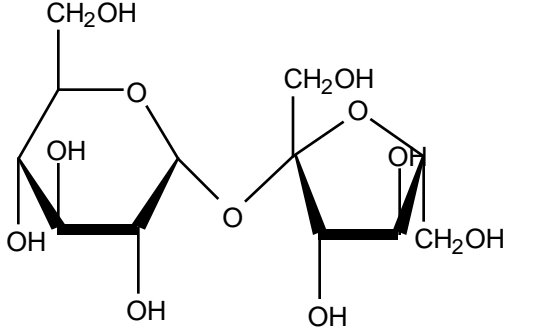
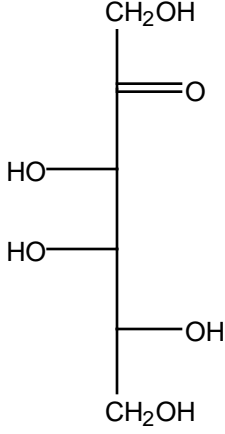
Malic acid	636-61-3 (D) 97-67-6 (L)	French: <i>Malique</i> Latin: <i>Malum</i> (apple) Greek: <i>Melon, malon</i>	 <p>L(-)-malic acid</p>
Maltose	6363-53-7 (D)	English: Mealt, meltan (to melt) German: Malz Produced by softening of grain by steeping in water and allowing to germinate	 <p><math>\beta</math>-(+); <math>\alpha</math>-(-)</p>
Maltulose	17606-72-3	As above	
Mannose	3458-28-4 (D) 10030-80-5 (L)	<i>Manna</i> Hebrew: <i>man</i> (food miraculously supplied to the Israelites in their journey through the wilderness)	 <p>D-(+)-mannose</p>
Mannuronic acid	6814-36-4	As above	

Melezitose	597-12-6 (D)		 <p>D-(+)-melezitose</p>
Melibiose (galactose + glucose)	585-99-9 (D)		 <p>D-(+)-melibiose</p>

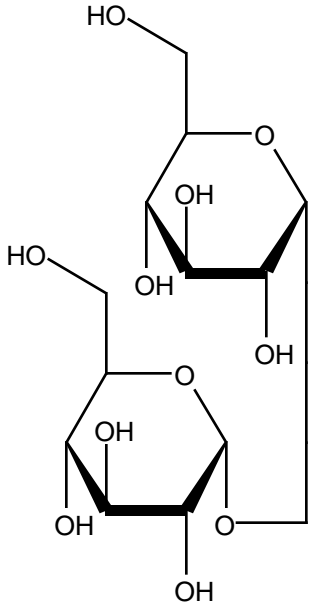
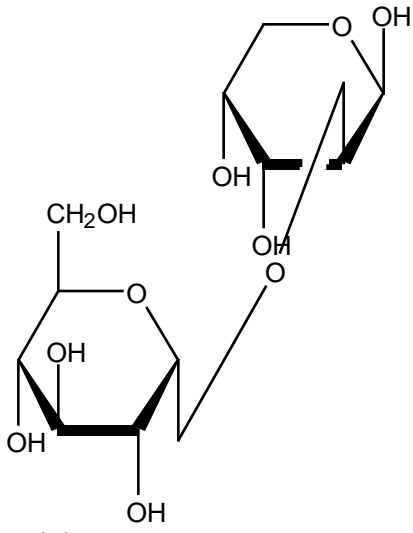
<p>Melitose (D-(+)-raffinose)</p>	<p>512-69-6</p>	<p>Greek: <i>mele</i> (honey)</p>	 <p>The structure shows a galactose molecule in its cyclic form, linked via its C4 hydroxyl group to the C1 of a sucrose molecule. The sucrose molecule consists of a glucose molecule and a fructose molecule, both in their cyclic forms, linked together at their respective anomeric carbons (C1 of glucose and C2 of fructose).</p>
<p>Mucic acid (saccharolactic acid)</p>	<p>526-99-8</p>	<p>Latin: <i>Mucus</i> French: <i>mucique</i></p>	 <p>The Fischer projection shows a vertical chain of six carbon atoms. The top carbon (C1) is a carboxyl group (COOH). The second carbon (C2) has a hydroxyl group (OH) on the right. The third carbon (C3) has a hydroxyl group (HO) on the left. The fourth carbon (C4) has a hydroxyl group (HO) on the left. The fifth carbon (C5) has a hydroxyl group (OH) on the right. The bottom carbon (C6) is a carboxyl group (COOH).</p>
<p>Psicose (allulose, pseudo-fructose)</p>	<p>23140-52-5</p>		 <p>The Fischer projection shows a vertical chain of six carbon atoms. The top carbon (C1) is a CH<sub>2</sub>OH group. The second carbon (C2) has a double-bonded oxygen (=O) on the left. The third carbon (C3) has a hydroxyl group (OH) on the right. The fourth carbon (C4) has a hydroxyl group (OH) on the right. The fifth carbon (C5) has a hydroxyl group (OH) on the right. The bottom carbon (C6) is a CH<sub>2</sub>OH group.</p>

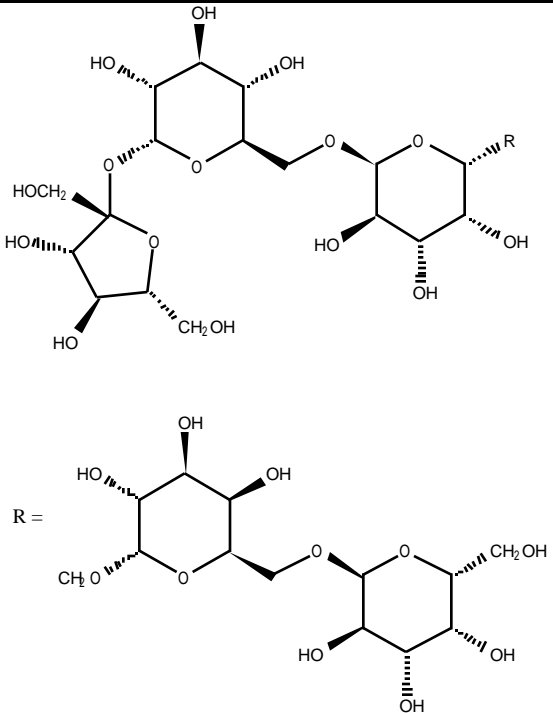
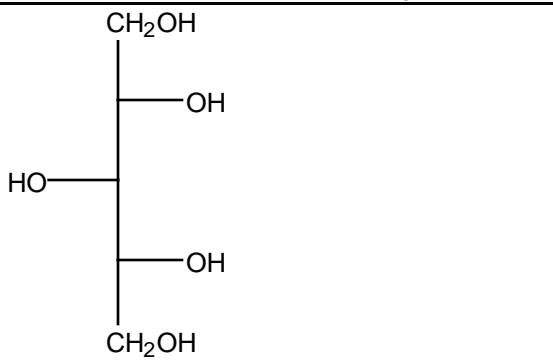
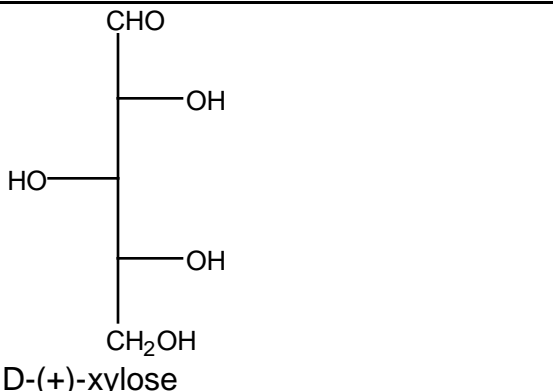
			D-psicose 
Quinovose (D-glucomethylose, D-isorhamnose, isorhodeose)	7658-08-4	Found in cinchona barks	
Racemic acid	133-37-9	Latin: <i>racemus</i> Bunch of grapes Latin: <i>racemosus</i> Full of clusters	Usually refers to racemic mixture (1:1) of <i>dextrorotatory</i> and <i>levorotatory</i> forms of tartaric acid which is found in grapes
Raffinose	17629-30- 0 (D)	French: <i>Raffiner</i> (to refine)	 D-(+)-raffinose
Rhamnose	3615-41-6 (L)	Greek: <i>rhamnos</i> Latin: <i>rhamnus</i> Relating to the buckthorn family <i>Rhamnaceae</i>	

			L-(+)-rhamnose
Ribose	50-69-1 (D) 24259-59-4 (L)	German: <i>Ribose</i> <i>Ribonsäure</i> (from arabinose by arbitrary rearrangement and shortening)	$  \begin{array}{c}  \text{CHO} \qquad \qquad \qquad \text{CHO} \\    \qquad \qquad \qquad   \\  \text{— OH} \qquad \text{HO —} \\    \qquad \qquad \qquad   \\  \text{— OH} \qquad \text{HO —} \\    \qquad \qquad \qquad   \\  \text{— OH} \qquad \text{HO —} \\    \qquad \qquad \qquad   \\  \text{CH}_2\text{OH} \qquad \qquad \text{CH}_2\text{OH} \\  \text{D-ribose} \qquad \qquad \text{L-ribose} \\  (-) \qquad \qquad \qquad (+)  \end{array}  $
Saccharic acid	87-73-0	Latin: <i>Saccharum</i> (sugar)	$  \begin{array}{c}  \text{COOH} \\    \\  \text{— OH} \\    \\  \text{HO —} \\    \\  \text{— OH} \\    \\  \text{— OH} \\    \\  \text{COOH} \\  \text{D-saccharic acid}  \end{array}  $
Sorbose	3615-56-3 (D) 87-79-6 (L) 3615-39-2 (DL)	French: <i>sorbe</i> Latin: <i>sorbum</i> (fruit of the service tree)	$  \begin{array}{c}  \text{CH}_2\text{OH} \\    \\  \text{= O} \\    \\  \text{HO —} \\    \\  \text{— OH} \\    \\  \text{HO —} \\    \\  \text{CH}_2\text{OH} \\  \text{L-(-)-sorbose}  \end{array}  $

<p>Stachyose (galactose + galactose + glucose + fructose)</p>	<p>10094-58- 3</p>	<p>From root nodules of <i>Staphys tuberifera</i></p>	
<p>Starch</p>	<p>9005-25-8</p>	<p>English (15 cent.): <i>sterche</i> (to stiffen) German: <i>Starke</i></p>	
<p>Sucrose (saccharose) (D-glucose + D-fructose)</p>	<p>57-50-1 (D)</p>	<p>French: <i>sucre</i> (sugar) German: <i>zucker</i></p>	 <p>D-(+)-sucrose</p>
<p>Tagatose</p>	<p>87-81-0 (D)</p>		 <p>D-tagatose</p>

Talomucic acid	5666-23-9	Common Romanic: <i>Talo, talonem</i> (heel) Latin: <i>Mucus</i> French: <i>mucique</i>	$  \begin{array}{c}  \text{COOH} \\    \\  \text{HO} -   \\    \\  \text{HO} -   \\    \\  \text{HO} -   \\    \\  \text{OH} \\    \\  \text{COOH}  \end{array}  $ <p>D-talomucic acid</p>
Talose	2595-98-4 (D) 23567-25-1 (L)	Common Romanic: <i>Talo, talonem</i> (heel)	$  \begin{array}{c}  \text{CHO} \\    \\  \text{HO} -   \\    \\  \text{HO} -   \\    \\  \text{HO} -   \\    \\  \text{OH} \\    \\  \text{CH}_2\text{OH}  \end{array}  $ <p>D-(+)-talose</p>
Tartaric acid	87-69-4 (L)(+) 133-37-9 (DL) 147-71-7 (D)(-) 147-73-9 (meso)	Latin <i>Tartarum</i> Persian: <i>Tatar</i> (Tartary, Tatary, region from Sea of Japan to Dnieper River, Ukraine)	$  \begin{array}{ccc}  \begin{array}{c} \text{COOH} \\   \\ \text{OH} \\   \\ \text{HO} \\   \\ \text{COOH} \end{array} & \begin{array}{c} \text{COOH} \\   \\ \text{HO} \\   \\ \text{OH} \\   \\ \text{COOH} \end{array} & \begin{array}{c} \text{COOH} \\   \\ \text{OH} \\   \\ \text{OH} \\   \\ \text{COOH} \end{array} \\  \text{D-tartaric acid} & \text{L-tartaric acid} & \text{meso-tartaric acid}  \end{array}  $
Threose	29884-64-8	Greek: Alteration of <i>erythron, erythros</i> (red)	$  \begin{array}{cc}  \begin{array}{c} \text{CHO} \\   \\ \text{HO} \\   \\ \text{OH} \\   \\ \text{CH}_2\text{OH} \end{array} & \begin{array}{c} \text{CHO} \\   \\ \text{OH} \\   \\ \text{HO} \\   \\ \text{CH}_2\text{OH} \end{array} \\  \text{D-threose} & \text{L-threose} \\  (-) & (+)  \end{array}  $

Trehalose	99-20-7 (D)	<i>Trehala</i> (a sweet substance constituting the pupal covering of a beetle)	 <p>D-(+)-trehalose</p>
Turanose	547-25-1 (D)	French: <i>Touraco</i> Native name in West Africa of bird <i>Turacus persa</i> (formerly called crown birds) with brightly coloured plumage and prominent crest and are plantain eaters	 <p>D-(+)-turanose</p>

Verbascose	546-62-3	From <i>Verbascum thapsus</i> (Great Mullein or Aaron's Rod)	
Xylitol	87-99-0	Greek: <i>xylon</i> (wood)	
Xylose	58-86-6 (D) 41247-05-6 (DL) 609-06-3 (L)	Greek: <i>xylon</i> (wood)	 <p>D-(+)-xylose</p>

**Sources:**

Karrer, Paul *Organic Chemistry*, Elsevier Publishing Co. Inc.: New York, 1950, Vol. 1, Chapter 21.

Wolf, Henry B. (ed.) *Webster's New Collegiate Dictionary*, Thomas Allen & Son Ltd.: Toronto, 1976.

Onions, C.T. *The Shorter Oxford English Dictionary*, 3<sup>rd</sup> ed., Clarendon Press: Oxford, 1972.

Flexner, Stuart B. *The Random House Dictionary of the English Language*, 2<sup>nd</sup> ed., Random House: New York, 1987.