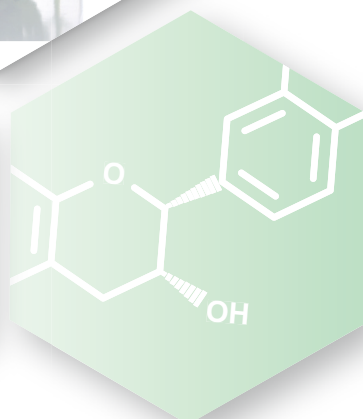


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Herbal Medicine Standards Produced by Matsuura Yakugyo Co., Ltd.

Standard reference materials for HPLC separation

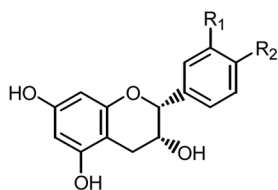
Product Name	MW	Purity	CAS No.	Formula	Storage	Code No.	PKG Size
10-Hydroxy-2-(E)-decenoic acid(trans-)	186.25	99%	14113-05-4	C ₁₀ H ₁₈ O ₃	Room Temp.	378-37792 378-37793	10 mg 20 mg
COSMOSIL Application No..							
Aconitine	645.74	99%	302-27-2	C ₃₄ H ₄₇ NO ₁₁	2-8°C	378-03992 378-03993	10 mg 20 mg
COSMOSIL Application No. AP-0133 A-A0044 M-A0044							
Arbutin	272.25	99%	497-76-7	C ₁₂ H ₁₆ O ₇	Room Temp.	378-94112 378-94113	10 mg 20 mg
COSMOSIL Application No. AP-0906 AP-0905 AP-0904 Q-00041							
Atractylenolide III	248.32	99%	73030-71-4	C ₁₅ H ₂₀ O ₃	Room Temp.	378-90082 378-90083	10 mg 20 mg
COSMOSIL Application No. A-A0139 M-A0139							
Baicalein	270.24	99%	491-67-8	C ₁₅ H ₁₀ O ₅	Room Temp.	378-07312 378-07313	10 mg 20 mg
COSMOSIL Application No. AP-1032 A-B0002 M-B0002							
Baicalin	446.36	99%	21967-41-9	C ₂₁ H ₁₈ O ₁₁	2-8°C	378-07791 378-07792	10 mg 20 mg
COSMOSIL Application No. AP-0992 AP-0991 AP-0990 A-B0003 M-B0003							
Berberine chloride	371.81	99%	633-65-8	C ₂₀ H ₁₈ ClNO ₄	Room Temp.	378-08892 378-08893	10 mg 20 mg
COSMOSIL Application No. AP-1153 AP-1024 AP-0964 AP-0963 AP-0962 A-B0090 M-B0090							
Bergenin	328.27	99%	477-90-7	C ₁₄ H ₁₆ O ₉	2-8°C	378-07692 378-07693	10 mg 20 mg
COSMOSIL Application No. A-B0092 M-B0092							
Bufalin	386.52	99%	465-21-4	C ₂₃ H ₃₄ O ₄	Room Temp.	378-10392 378-10393	10 mg 20 mg
COSMOSIL Application No. AP-1012 AP-1001 AP-1000 AP-0999 AP-0204 AP-0203 A-B0191 M-B0191							
Chikusetsusaponin IV	927.08			C ₄₇ H ₇₄ O ₁₈	-20°C	378-96592 378-96593	10 mg 20 mg
COSMOSIL Application No. A-C0051 M-C0051							
Cinobufagin	442.54	99%	470-37-1	C ₂₆ H ₃₄ O ₆	2-8°C	378-15172 378-15173	10 mg 20 mg
COSMOSIL Application No. AP-1012 AP-1001 AP-1000 AP-0999 AP-0204 AP-0203 A-C0176 M-C017							
Eleutheroside B	372.37	99%	118-34-3	C ₁₇ H ₂₄ O ₉	2-8°C	378-28392 378-28393	10 mg 20 mg
COSMOSIL Application No.							
Evodiamine	303.36	99%	518-17-2	C ₁₉ H ₁₇ N ₃ O	2-8°C	378-30752 378-30753	10 mg 20 mg
COSMOSIL Application No. A-E0124 M-E0124							
Ginsenoside Rb1	1109.29	98%	41753-43-9	C ₅₄ H ₉₂ O ₂₃	2-8°C	378-35582 378-35583	10 mg 20 mg
COSMOSIL Application No. AP-0925 AP-0924 AP-0923 A-G0013 M-G0013							
Ginsenoside Rg1	801.01	99%	22427-39-0	C ₄₂ H ₇₂ O ₁₄	2-8°C	378-35592 378-35593	10 mg 20 mg
COSMOSIL Application No. AP-0922 AP-0921 AP-0920 A-G0014 M-G0014							
Glycyrrhizic acid	822.93	99%	1405-86-3	C ₄₂ H ₆₂ O ₁₆	2-8°C	378-35622 378-35623	10 mg 20 mg
COSMOSIL Application No. AP-0986 AP-0985 AP-0984 AP-0928 AP-0927 AP-0926 AP-0109 AP-0108 A-G0024 M-G0024							
Honokiol	266.33	99%	35354-74-6	C ₁₈ H ₁₈ O ₂	Room Temp.	378-37292 378-37293	10 mg 20 mg
COSMOSIL Application No. AP-0949 AP-0948 AP-0947 A-H0055 M-H0055							
Hypaconitine	615.71	98%	6900-87-4	C ₃₃ H ₄₅ NO ₁₀	2-8°C	378-39092 378-39093	10 mg 20 mg
COSMOSIL Application No. A-H0104 M-H0104							
Icariin	676.66	99%	56692-02-5	C ₃₃ H ₄₀ O ₁₅	Room Temp.	378-39892 378-39893	10 mg 20 mg
COSMOSIL Application No. A-I0002 M-I0002							
Isoflaxidin	222.19	99%	486-21-5	C ₁₁ H ₁₀ O ₅	Room Temp.	378-39952 378-39953	10 mg 20 mg
COSMOSIL Application No.							
Liquiritin	418.39	98+%		C ₂₁ H ₂₂ O ₉	Room Temp.	378-43552 378-43553	10 mg 20 mg
COSMOSIL Application No.							
Loganin	390.38	99%	18524-94-2	C ₁₇ H ₂₆ O ₁₀	2-8°C	378-46052 378-46053	10 mg 20 mg
COSMOSIL Application No.							
Magnolol	266.33	99%	528-43-8	C ₁₈ H ₁₈ O ₂	Room Temp.	378-47992 378-47993	10 mg 20 mg
COSMOSIL Application No. AP-0949 AP-0948 AP-0947 A-M0001 M-M0001							

Product Name	MW	Purity	CAS No.	Formula	Storage	Code No.	PKG Size
Mesaconitine	631.71	98%	166749-51-5	C ₃₃ H ₄₅ NO ₁₁	2-8°C	378-48032 378-48033	10 mg 20 mg
COSMOSIL Application No.	A-M0019	M-M0019					
O-Methyldomesticine	339.39	99%	42971-15-3	C ₂₀ H ₂₁ NO ₄	Room Temp.	378-96022 378-96023	10 mg 20 mg
COSMOSIL Application No.							
Osthole	244.29	99%	484-12-8	C ₁₅ H ₁₆ O ₃	Room Temp.	378-57992 378-57993	10 mg 20 mg
COSMOSIL Application No.	A-O0028	M-O0028					
Paeoniflorin	480.46	99%	23180-57-6	C ₂₃ H ₂₈ O ₁₁	Room Temp.	378-60092 378-60093	10 mg 20 mg
COSMOSIL Application No.	AP-0961	AP-0960	AP-0959	A-P0003	M-P0003		
Paeonol	166.17	99%	552-41-0	C ₉ H ₁₀ O ₃	Room Temp.	378-60152 378-60153	10 mg 20 mg
COSMOSIL Application No.	AP-0952	AP-0951	AP-0951	AP-0130	A-P000	M-P0004	
Palmitine chloride	387.86	99%	10605-02-4	C ₂₁ H ₂₂ ClNO ₄	Room Temp.	378-90092 378-90093	10 mg 20 mg
COSMOSIL Application No.							
Puerarin	416.38	99%	3681-99-0	C ₂₁ H ₂₀ O ₉	Room Temp.	378-60532 378-60533	10 mg 20 mg
COSMOSIL Application No.	AP-0971	AP-0970	AP-0969	J-00098	J-00099		
Resibufogenin	384.51	99%	465-39-4	C ₂₄ H ₃₂ O ₄	2-8°C	378-68742 378-68743	10 mg 20 mg
COSMOSIL Application No.	AP-1012	AP-1001	AP-1000	AP-0999	AP-0204	AP-0203	
Rhynchophylline	384.47	99%	76-66-4	C ₂₂ H ₂₈ N ₂ O ₄	Room Temp.	378-68882 378-68883	10 mg 20 mg
COSMOSIL Application No.							
Saikosaponin b2	780.98	99%	58316-41-9	C ₄₂ H ₆₈ O ₁₃	Room Temp.	378-75282 378-75283	10 mg 20 mg
COSMOSIL Application No.							
Schizandrin	432.51	99%	7432-28-2	C ₂₄ H ₃₂ O ₇	Room Temp.	378-70332 378-70333	10 mg 20 mg
COSMOSIL Application No.							
Scoparone	206.19	99%	120-08-1	C ₁₁ H ₁₀ O ₄	Room Temp.	378-70992 378-70993	10 mg 20 mg
COSMOSIL Application No.	A-D0233	M-D0233					
Sennoside A	862.74	99%	81-27-6	C ₄₂ H ₃₈ O ₂₀	Room Temp.	378-71092 378-71093	10 mg 20 mg
COSMOSIL Application No.	AP-0995	AP-0994	AP-0993	AP-0974	AP-0973	AP-0972	AP-0916
Sennoside B	862.74	99%	128-57-4	C ₄₂ H ₃₈ O ₂₀	Room Temp.	378-75132 378-75133	10 mg 20 mg
COSMOSIL Application No.	AP-0995	AP-0994	AP-0993	A-S0017	M-S0017		
Sinomenine	329.39	99%	115-53-7	C ₁₉ H ₂₃ NO ₄	Room Temp.	378-70892 378-70893	10 mg 20 mg
COSMOSIL Application No.	A-S0020	M-S0020					
Swertiamarin	374.34	99%	17388-39-5	C ₁₆ H ₂₂ O ₁₀	2-8°C	378-72891 378-72892	10 mg 20 mg
COSMOSIL Application No.	AP-0998	AP-0997	AP-0996	A-S0067	M-S0067		
Wogonin	284.26	99%	632-85-9	C ₁₆ H ₁₂ O ₅	Room Temp.	378-85582 378-85583	10 mg 20 mg
COSMOSIL Application No.	A-W0002	M-W0002					

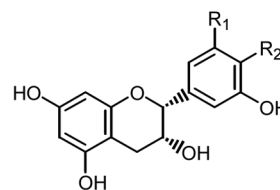
Natural Product Extract Standards Produced by Nagara Science Co., Ltd.

Hundreds of authentic natural products are available, most of them are the world's first commercial products.

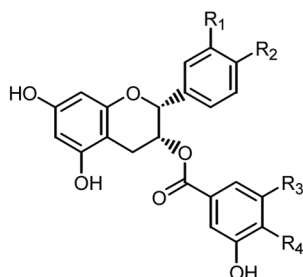
Green Tea



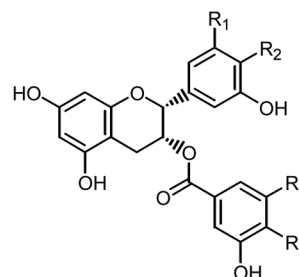
(-)-Epicatechin $R_1=R_2=OH$
 (-)-Epicatechin-3'-O-methylether $R_1=OCH_3, R_2=OH$
 (-)-Epicatechin-4'-O-methylether $R_1=OH, R_2=OCH_3$



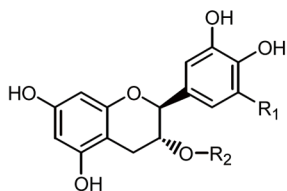
(-)-Epigallocatechin $R_1=R_2=OH$
 (-)-Epigallocatechin-3'-O-methylether $R_1=OCH_3, R_2=OH$
 (-)-Epigallocatechin-4'-O-methylether $R_1=OH, R_2=OCH_3$



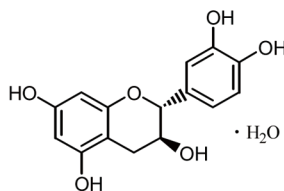
(-)- Epicatechin gallate $R_1=R_2=R_3=R_4=OH$
 (-)- Epicatechin-3'-O-methylether gallate $R_1=OCH_3, R_2=R_3=R_4=OH$
 (-)- Epicatechin-4'-O-methylether gallate $R_2=OCH_3, R_1=R_3=R_4=OH$
 (-)- Epicatechin 3-(3"-O-methyl) gallate $R_3=OCH_3, R_1=R_2=R_4=OH$
 (-)- Epicatechin 3-(4"-O-methyl) gallate $R_4=OCH_3, R_1=R_2=R_3=OH$



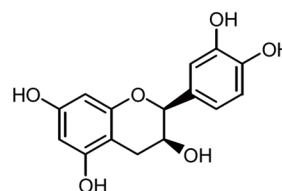
(-)- Epigallocatechin gallate $R_1=R_2=R_3=R_4=OH$
 (-)- Epigallocatechin-3'-O-methylether gallate $R_1=OCH_3, R_2=R_3=R_4=OH$
 (-)- Epigallocatechin-4'-O-methylether gallate $R_2=OCH_3, R_1=R_3=R_4=OH$
 (-)- Epigallocatechin 3-(3"-O-methyl) gallate $R_3=OCH_3, R_1=R_2=R_4=OH$
 (-)- Epigallocatechin 3-(4"-O-methyl) gallate $R_4=OCH_3, R_1=R_2=R_3=OH$



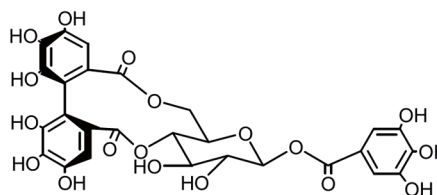
(-)-Catechin $R_1=R_2=H$
 (-)-Gallocatechin $R_1=OH, R_2=H$
 (-)-Catechin gallate $R_1=H, R_2=Galloyl$
 (-)-Gallocatechin gallate $R_1=OH, R_2=Galloyl$



(+)-Catechin hydrate



(+)-Epicatechin



Strictinin

Tea Catechins

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
(-)-Epicatechin [(-)-EC]	490-46-0	C ₁₅ H ₁₄ O ₆	290.27	99%(HPLC)	GR	2-8°C	02547-84 02547-26	10 mg 100 mg
(-)-Epigallocatechin [(-)-EGC]	970-74-1	C ₁₅ H ₁₄ O ₇	306.27	99%(HPLC)	GR	2-8°C	02564-54 02564-96	10 mg 100 mg
(-)-Epicatechin gallate [(-)-ECg]	1257-08-5	C ₂₂ H ₁₈ O ₁₀	442.37	99%(HPLC)	GR	2-8°C	02565-44 02565-86	10 mg 100 mg

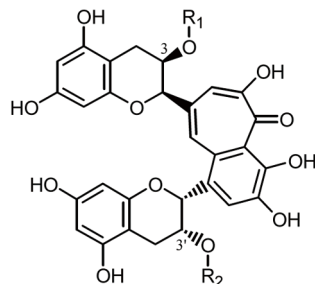
Tea Methylated Catechins

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
(-)-Epigallocatechin gallate [(-)-EGCg]	989-51-5	C ₂₂ H ₁₈ O ₁₁	458.37	98%(HPLC)	GR	2-8°C	02566-76	100 mg
(-)-Epigallocatechin gallate [(-)-EGCg]	989-51-5	C ₂₂ H ₁₈ O ₁₁	458.37	99%(HPLC)		2-8°C	57111-74 57111-16	20 mg 100 mg

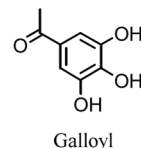
Green Tea (Continued)

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
(+)-Catechin Hydrate [(+)-C]	88191-48-4	C ₁₅ H ₁₄ O ₆ · H ₂ O	308.28	99%(HPLC)	GR	2-8°C	02567-24 02567-66	10 mg 100 mg
(-)-Catechin [(-)-C]	18829-70-4	C ₁₅ H ₁₄ O ₆	290.27	98%(HPLC)	GR	2-8°C	02568-14	10 mg
(-)-Gallocatechin [(-)-GC]	3371-27-5	C ₁₅ H ₁₄ O ₇	306.27	98%(HPLC)	GR	2-8°C	02569-04	10 mg
(-)-Catechin gallate [(-)-Cg]	130405-40-2	C ₂₂ H ₁₈ O ₁₀	442.37	98%(HPLC)	GR	2-8°C	02570-64	10 mg
(-)-Gallocatechin gallate [(-)-GCg]	4233-96-9	C ₂₂ H ₁₈ O ₁₁	458.37	98%(HPLC)	GR	2-8°C	02572-44	10 mg
(+)-Epicatechin [(+)-EC]	35323-91-2	C ₁₅ H ₁₄ O ₆	290.27	98%(HPLC)	GR	2-8°C	02573-34	10 mg
(-)-Epicatechin-3'-O-methylether [(-)-EC-3'-O-Me]		C ₁₆ H ₁₆ O ₆	304.29	98%(HPLC)	EP	-20°C	02574-11	1 mg
(-)-Epicatechin-4'-O-methylether [(-)-EC-4'-O-Me]		C ₁₆ H ₁₆ O ₆	304.29	98%(HPLC)	EP	-20°C	02575-01	1 mg
(-)-Epigallocatechin-3'-O-methylether [(-)-EGC-3'-O-Me]		C ₁₆ H ₁₆ O ₇	320.29	90%(HPLC)	EP	-20°C	02576-91	1 mg
(-)-Epigallocatechin-4'-O-methylether [(-)-EGC-4'-O-Me]	17291-05-3	C ₁₆ H ₁₆ O ₇	320.29	95%(HPLC)	EP	-20°C	02577-81	1 mg
(-)-Epicatechin-3'-O-methylether gallate [(-)-ECg-3'-O-Me]		C ₂₃ H ₂₀ O ₁₀	456.40	98%(HPLC)	EP	-20°C	02578-71	1 mg
(-)-Epicatechin-4'-O-methylether gallate [(-)-ECg-4'-O-Me]		C ₂₃ H ₂₀ O ₁₀	456.40	98%(HPLC)	EP	-20°C	02579-61	1 mg
(-)-Epicatechin-3-(3''-O-methyl) gallate [(-)-ECg-3''-O-Me]	83104-86-3	C ₂₃ H ₂₀ O ₁₀	456.40	98%(HPLC)	EP	-20°C	02580-21	1 mg
(-)-Epicatechin-3-(3''-O-methyl) gallate [(-)-ECg-3''-O-Me]	83104-86-3	C ₂₃ H ₂₀ O ₁₀	456.40	99%(HPLC)		-20°C	57107-44	5 mg
(-)-Epicatechin-3-(4''-O-methyl) gallate [(-)-ECg-4''-O-Me]	108907-44-4	C ₂₃ H ₂₀ O ₁₀	456.40	98%(HPLC)	EP	-20°C	02581-11	1 mg
(-)-Epigallocatechin-3'-O-methylether Gallate[(-)-EGCg-3'-O-Me]	298700-56-8	C ₂₃ H ₂₀ O ₁₁	472.40	98%(HPLC)	EP	-20°C	02582-01	1 mg
(-)-Epigallocatechin-4'-O-methylether Gallate [(-)-EGCg-4'-O-Me]	298700-57-9	C ₂₃ H ₂₀ O ₁₁	472.40	98%(HPLC)	EP	-20°C	02584-81	1 mg
(-)-Epigallocatechin 3-(3''-O-methyl) gallate [(-)-EGCg-3''-O-Me]	83104-87-4	C ₂₃ H ₂₀ O ₁₁	472.40	98%(HPLC)	GR	-20°C	05167-61 05167-16	1 mg 5 mg
(-)-Epigallocatechin 3-(3''-O-methyl) gallate [(-)-EGCg-3''-O-Me]	83104-87-4	C ₂₃ H ₂₀ O ₁₁	472.40	99%(HPLC)		-20°C	57108-34 57108-76	2 mg 10 mg
(-)-Epigallocatechin 3-(4''-O-methyl) gallate [(-)-EGCg-4''-O-Me]	224434-07-5	C ₂₃ H ₂₀ O ₁₁	472.40	98%(HPLC)	GR	-20°C	05168-51	1 mg
(-)-Gallocatechin 3-(3''-O-methyl) gallate [(-)-GCg-3''-O-Me]		C ₂₃ H ₂₀ O ₁₁	472.40	98%(HPLC)		-20°C	57112-51	1 mg
Catechin Mixture {(-)-Epicatechin, (-)-Epigallocatechin, (-)-Epicatechin gallate, (-)-Epigallocatechin gallate}				Total 80 % (HPLC)		2-8°C	05158-81	1 g
Strictinin	517-46-4	C ₂₇ H ₂₂ O ₁₈	634.45	98%(HPLC)	GR	2-8°C	08057-24	5 mg

Black Tea

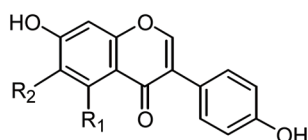


Theaflavin R₁=R₂=H
 Theaflavin 3-O-gallate R₁=Galloyl, R₂=H
 Theaflavin 3'-O-gallate R₁=H, R₂=Galloyl
 Theaflavin 3,3'-di-O-gallate R₁=R₂=Galloyl

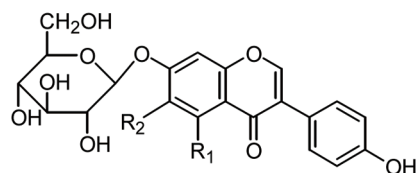


Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Theaflavin	4670-05-7	C ₂₉ H ₂₄ O ₁₂	564.49	98%(HPLC)	EP	-20°C	02587-51	1 mg
Theaflavin 3-O-gallate	30462-34-1	C ₃₆ H ₂₈ O ₁₆	716.60	98%(HPLC)	EP	-20°C	02588-41	1 mg
Theaflavin 3'-O-gallate	28543-07-9	C ₃₆ H ₂₈ O ₁₆	716.60	98%(HPLC)	EP	-20°C	02589-31	1 mg
Theaflavin 3,3'-di-O-gallate	30462-35-2	C ₄₃ H ₃₂ O ₂₀	868.70	98%(HPLC)	EP	-20°C	02591-81	1 mg

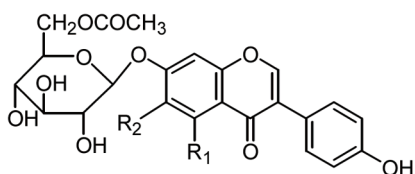
Soy Bean



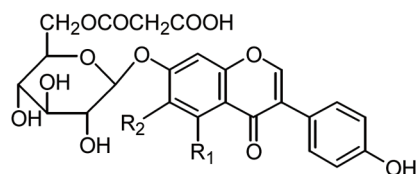
Daidzein $R_1=R_2=H$
Glycitein $R_1=H, R_2=OCH_3$
Genistein $R_1=OH, R_2=H$



Daidzin $R_1=R_2=H$
Glycitin $R_1=H, R_2=OCH_3$
Genistin $R_1=OH, R_2=H$



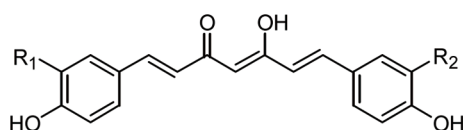
6''-O-Acetyl daidzin $R_1=R_2=H$
6''-O-Acetyl glycitin $R_1=H, R_2=OCH_3$
6''-O-Acetyl genistin $R_1=OH, R_2=H$



6''-O-Malonyl daidzin $R_1=R_2=H$
6''-O-Malonyl glycitin $R_1=H, R_2=OCH_3$
6''-O-Malonyl genistin $R_1=OH, R_2=H$

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Daidzein	486-66-8	$C_{15}H_{10}O_4$	254.24	98%(HPLC)	GR	2-8°C	09388-64 09388-06	10 mg 100 mg
Glycitein	40957-83-3	$C_{16}H_{12}O_5$	284.26	98%(HPLC)	GR	2-8°C	09387-74 09387-16	10 mg 100 mg
Genistein	446-72-0	$C_{15}H_{10}O_5$	270.24	98%(HPLC)	GR	2-8°C	57226-84 57226-26	10 mg 100 mg
Daidzin	552-66-9	$C_{21}H_{20}O_9$	416.38	98%(HPLC)	GR	2-8°C	09389-54 09389-96	10 mg 100 mg
Glycitin	40246-10-4	$C_{22}H_{22}O_{10}$	446.40	98%(HPLC)	GR	2-8°C	09391-04 09391-46	10 mg 100 mg
Genistin	529-59-9	$C_{21}H_{20}O_{10}$	432.38	98%(HPLC)	GR	2-8°C	09386-84 09386-26	10 mg 100 mg
6''-O-Acetyl daidzin	71385-83-6	$C_{23}H_{22}O_{10}$	458.41	98%(HPLC)	EP	-20°C	04580-61	1 mg
6''-O-Acetyl glycitin	134859-96-4	$C_{24}H_{24}O_{11}$	488.44	98%(HPLC)	EP	-20°C	04607-21	1 mg
6''-O-Acetyl genistin	73566-30-0	$C_{23}H_{22}O_{11}$	474.41	98%(HPLC)	EP	-20°C	04613-31	1 mg
6''-O-Malonyl daidzin	124590-31-4	$C_{24}H_{22}O_{12}$	502.42	98%(HPLC)	EP	-20°C	04616-01	1 mg
6''-O-Malonyl glycitin	137705-39-6	$C_{25}H_{24}O_{13}$	532.45	98%(HPLC)	EP	-20°C	04624-91	1 mg
6''-O-Malonyl genistin	51011-05-3	$C_{24}H_{22}O_{13}$	518.42	98%(HPLC)	EP	-20°C	04625-81	1 mg
Isoflavone Aglycon Mixture A (Daidzein 50%), from Soybean				Total 95% (HPLC)		Room Temp.	15356-71	1 g
Isoflavone Aglycon Mixture B (Genistein 50%), from Soybean				Total 95% (HPLC)		Room Temp.	05160-31	1 g
Isoflavone Glucoside Mixture A (Daidzin 50%), from Soybean				Total 95% (HPLC)		Room Temp.	05161-21	1 g
Isoflavone Glucoside Mixture B (Genistein 50%), from Soybean				Total 95% (HPLC)		Room Temp.	05162-11	1 g

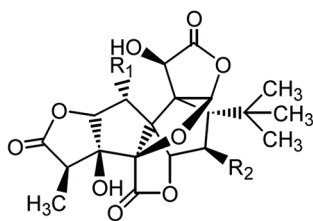
Turmeric



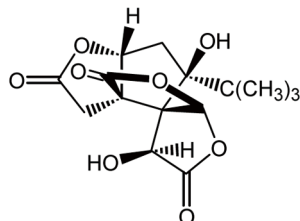
Curcumin 1 $R_1=R_2=OCH_3$
Curcumin 2 $R_1=OCH_3, R_2=H$
Curcumin 3 $R_1=R_2=H$

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Curcumin 1	458-37-7	$C_{21}H_{20}O_6$	368.38	98%(HPLC)	GR	2-8°C	02643-14	100 mg
Curcumin 2	297160-27-1	$C_{20}H_{18}O_5$	338.35	98%(HPLC)	GR	2-8°C	02644-04	10 mg
Curcumin 3	33171-05-0	$C_{19}H_{16}O_4$	308.33	98%(HPLC)	GR	2-8°C	02645-94	10 mg

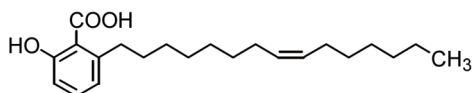
Ginkgo Biloba



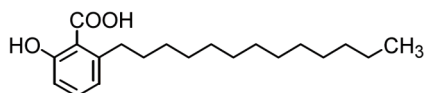
Ginkgolide A $R_1=R_2=H$
 Ginkgolide B $R_1=OH, R_2=H$
 Ginkgolide C $R_1=R_2=OH$



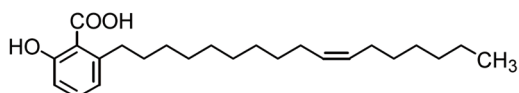
(-)-Bilobalide



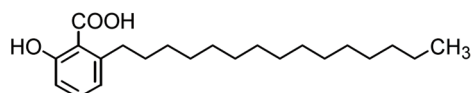
Ginkgolic acid 15:1



Ginkgolic acid 13:0



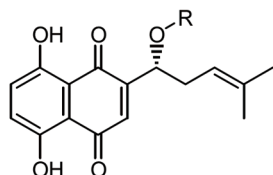
Ginkgolic acid 17:1



Ginkgolic acid 15:0

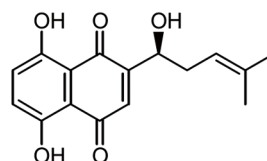
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Ginkgolide A	15291-75-5	$C_{20}H_{24}O_9$	408.40	98%(HPLC)	GR	2-8°C	02592-84 02592-26	10 mg 100 mg
Ginkgolide B	15291-77-7	$C_{20}H_{24}O_{10}$	424.40	98%(HPLC)	GR	2-8°C	02593-74 02593-16	10 mg 100 mg
Ginkgolide C	15291-76-6	$C_{20}H_{24}O_{11}$	440.40	98%(HPLC)	GR	2-8°C	02594-64 02594-06	10 mg 100 mg
(-)-Bilobalide	33570-04-6	$C_{15}H_{18}O_8$	326.30	98%(HPLC)	GR	2-8°C	02642-24 02642-66	10 mg 100 mg
Ginkgolic Acid 15:1 [Ginkgolic Acid, Ginkgolic Acid I]	22910-60-7	$C_{22}H_{34}O_3$	346.50	99%(HPLC)	GR	2-8°C	04067-14	10 mg
Ginkgolic Acid 17:1 [Ginkgolic Acid II]	111047-30-4	$C_{24}H_{38}O_3$	374.56	99%(HPLC)	GR	2-8°C	04068-04	10 mg
Ginkgolic Acid 13:0	20261-38-5	$C_{20}H_{32}O_3$	320.47	99%(HPLC)	GR	2-8°C	04073-24	5 mg
Ginkgolic Acid 15:0	16611-84-0	$C_{22}H_{36}O_3$	348.52	99%(HPLC)	GR	2-8°C	04074-56	10 mg
Ginkgolic Acid 15:1 + 13:0 (4:1)				99%(HPLC)	GR	2-8°C	04071-44	10 mg
Ginkgolic Acid 17:1 + 15:0 (6:1)				99%(HPLC)	GR	2-8°C	04072-34	10 mg

Lithospermum Erythrorhizon



Shikonin
 Acetylshikonin
 Isobutylshikonin
 β -Hydroxyisovalerylshikonin
 Isovalerylshikonin
 α -Methyl-n-butylshikonin
 β, β -Dimethylacrylshikonin

$R=H$
 $R=COCH_3$
 $R=COCH(CH_3)_2$
 $R=COCH_2C(CH_3)_2OH$
 $R=COCH_2CH(CH_3)_2$
 $R=COCH(CH_3)CH_2CH_3$
 $R=COCH=C(CH_3)_2$



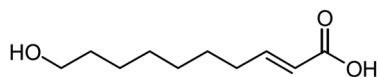
Alkannin

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Shikonin	517-89-5	$C_{16}H_{16}O_5$	288.30	99%(HPLC)	GR	2-8°C	05165-94	10 mg
Shikonin (Shikonin / Alkannin $\approx$ 6:1)		$C_{16}H_{16}O_5$	288.30	98%(HPLC)	GR	2-8°C	04056-54 04056-96 04056-41	10 mg 100 mg 1 g
Shikalkin (Shikonin / Alkannin $\approx$ 1:1)	54952-43-1	$C_{16}H_{16}O_5$	288.30	98%(HPLC)	GR	2-8°C	05375-44	10 mg
Alkannin	517-88-4	$C_{16}H_{16}O_5$	288.30	99%(HPLC)	GR	2-8°C	05164-04	10 mg
Acetylshikonin	24502-78-1	$C_{18}H_{18}O_6$	330.33	98%(HPLC)	GR	2-8°C	04057-44	10 mg

Lithospermum Erythrorhizon (Continued)

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Isobutyrylshikonin	52438-12-7	C ₂₀ H ₂₂ O ₆	358.39	98%(HPLC)	GR	2-8°C	04058-34	10 mg
β-Hydroxyisovalerylshikonin	7415-78-3	C ₂₁ H ₂₄ O ₇	388.41	98%(HPLC)	GR	2-8°C	04059-24	10 mg
Isovalerylshikonin	52387-14-1	C ₂₁ H ₂₄ O ₆	372.41	98%(HPLC)	GR	2-8°C	04060-71	1 mg
α-Methyl- <i>n</i> -butyrylshikonin	92175-42-3	C ₂₁ H ₂₄ O ₆	372.41	98%(HPLC)	GR	2-8°C	04061-61	1 mg
β,β-Dimethylacrylshikonin	24502-79-2	C ₂₁ H ₂₂ O ₆	370.40	98%(HPLC)	GR	2-8°C	57905-84	10 mg

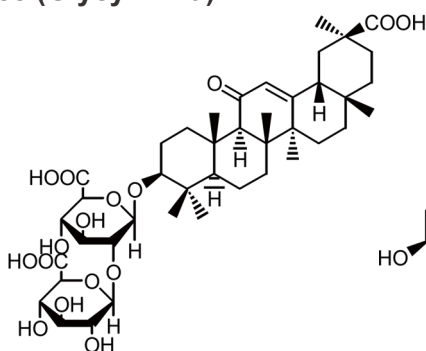
Royal Jelly



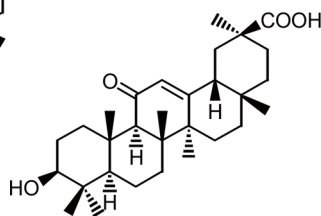
(*E*)-10-Hydroxy-2-decenoic acid

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
(<i>E</i>)-10-Hydroxy-2-decenoic Acid	14113-05-4	C ₁₀ H ₁₈ O ₃	186.25	98%(HPLC)	GR	2-8°C	04063-54 04063-96	10 mg 100 mg

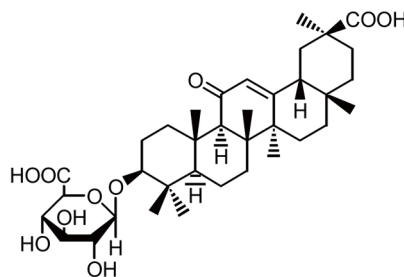
Licorice (Glycyrrhiza)



Glycyrrhizin
(Glycyrrhizic acid)



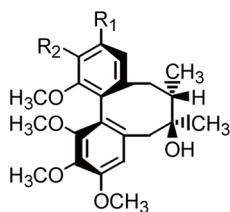
Glycyrrhetic acid



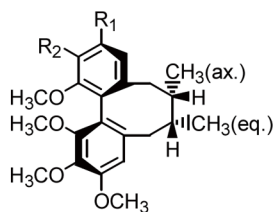
Glycyrrhetic acid 3-*O*-glucuronide

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Glycyrrhizin (Glycyrrhizic Acid)	1405-86-3	C ₄₂ H ₆₂ O ₁₆ • <i>n</i> H ₂ O	822.93+	99%(HPLC)		2-8°C	57168-54 57168-96	20 mg 100 mg
Glycyrrhizic Acid Monoammonium Salt <i>n</i> -Hydate	53956-04-0	C ₄₂ H ₆₁ O ₁₆ NH ₄ • <i>n</i> H ₂ O	839.96+	99%(HPLC)	GR	Room Temp.	04065-34 04065-76	10 mg 100 mg
Glycyrrhizic Acid Dipotassium Salt	68797-35-3	C ₄₂ H ₆₀ K ₂ O ₁₆ • <i>n</i> H ₂ O	899.13	99%(HPLC)	GR	Room Temp.	04066-24 04066-66	10 mg 100 mg
18β-Glycyrrhetic Acid	471-53-4	C ₃₀ H ₄₆ O ₄	470.69	99%(HPLC)	GR	Room Temp.	05088-14 05088-56	10 mg 100 mg
Glycyrrhetic Acid 3- <i>O</i> -Glucuronide	34096-83-8	C ₃₆ H ₅₄ O ₁₀	646.82	99%(HPLC)	GR	Room Temp.	05090-64	10 mg

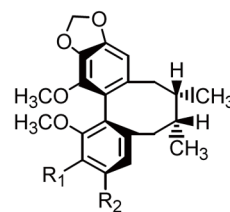
Schisandra Fruit



Schizandrin R₁=OCH₃, R₂=OCH₃
Gomisin A R₁+R₂=OCH₂O



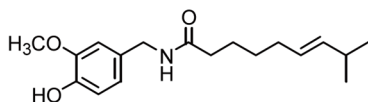
Deoxyschizandrin R₁=OCH₃, R₂=OCH₃
(±)-γ-Schizandrin R₁+R₂=OCH₂O



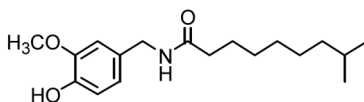
Gomisin N R₁=OCH₃, R₂=OCH₃
Wuweizisu C R₁+R₂=OCH₂O

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Schizandrin	7432-28-2	C ₂₄ H ₃₂ O ₇	432.51	99%(HPLC)	GR	2-8°C	05077-54	10 mg
Gomisin A	58546-54-6	C ₂₃ H ₂₈ O ₇	416.46	99%(HPLC)	GR	2-8°C	05076-64	10 mg
Gomisin N	69176-52-9	C ₂₃ H ₂₈ O ₆	400.46	99%(HPLC)	GR	2-8°C	05075-74	10 mg
Deoxyschizandrin	61281-38-7	C ₂₄ H ₃₂ O ₆	416.51	99%(HPLC)	GR	2-8°C	05078-44	5 mg
(±)-γ-Schizandrin	61281-37-6	C ₂₃ H ₂₄ O ₆	400.46	99%(HPLC)	GR	2-8°C	05079-34	5 mg
Wuweizisu C	61301-33-5	C ₂₂ H ₂₄ O ₆	384.42	99%(HPLC)	GR	2-8°C	05080-94	5 mg

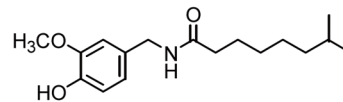
Red Pepper



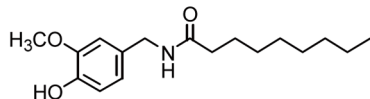
Capsaicin



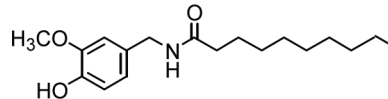
Dihydrocapsaicin



Nordihydrocapsaicin



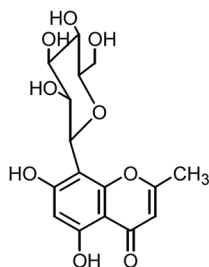
N-Vanillylnonanamide



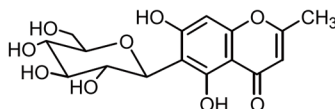
N-Vanillyldecanamide

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Capsaicin 99%	404-86-4	C ₁₈ H ₂₇ NO ₃	305.41	99%(HPLC)	GR	2-8°C	05081-84	10 mg
							05081-26	100 mg
Capsaicin 95%	404-86-4	C ₁₈ H ₂₇ NO ₃	305.41	95%(HPLC)		2-8°C	57146-34	50 mg
							57146-05	500 mg
Dihydrocapsaicin 99%	19408-84-5	C ₁₈ H ₂₉ NO ₃	307.43	99%(HPLC)	GR	2-8°C	05083-64	10 mg
							05083-06	100 mg
Nordihydrocapsaicin	28789-35-7	C ₁₇ H ₂₇ NO ₃	293.40	95%(HPLC)	EP	2-8°C	05085-31	1 mg
<i>N</i> -Vanillyldecanamide	31078-36-1	C ₁₈ H ₂₉ NO ₃	307.43	95%(HPLC)	EP	2-8°C	05087-11	1 mg
<i>N</i> -Vanillylnonanamide	2444-46-4	C ₁₇ H ₂₇ NO ₃	293.40	95%(HPLC)	EP	2-8°C	05086-21	1 mg
<i>N</i> -Vanillylnonanamide [Capsaicin (synthetic)]	2444-46-4	C ₁₇ H ₂₇ NO ₃	293.40	99%(HPLC)		2-8°C	57179-56	10 mg

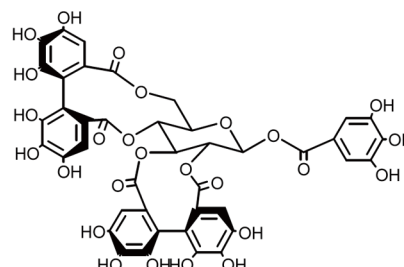
Clove



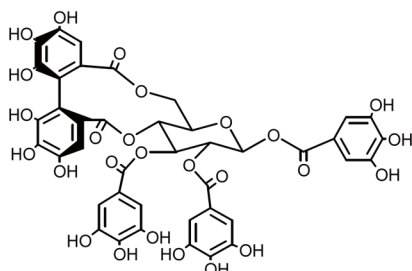
Clove3



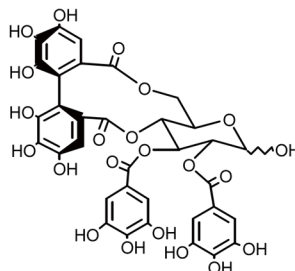
Biflorin



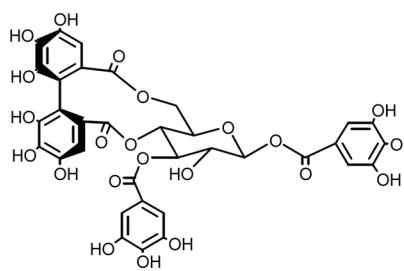
Casuarictin



Eugenii



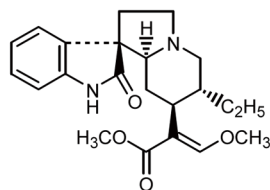
Tellimagrandin I



1,3-Di-O-galloyl-4,6-O-(S)-hexahydroxydiphenoyl-β-D-glucose

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Clove 3	152041-16-2	C ₁₆ H ₁₈ O ₉	354.31	95%(HPLC)		2-8°C	57151-54	5 mg
Biflorin	89701-85-9	C ₁₆ H ₁₈ O ₉	354.31	95%(HPLC)		2-8°C	57145-44	5 mg
Casuarictin	79786-00-8	C ₄₁ H ₂₈ O ₂₆	936.65	95%(HPLC)	EP	2-8°C	08258-94	5 mg
Eugenii	81571-72-4	C ₄₁ H ₃₀ O ₂₆	938.66	95%(HPLC)	EP	2-8°C	08257-04	5 mg
Tellimagrandin I	118014-28-1 118014-29-2	C ₃₄ H ₂₆ O ₂₂	786.56	95%(HPLC)	EP	2-8°C	08259-84	5 mg
1,3-Di-O-galloyl-4,6-O-(S)- hexahydroxydiphenoyl-β-D-glucose		C ₃₄ H ₂₆ O ₂₂	786.56	90%(HPLC)		2-8°C	57124-01	1 mg

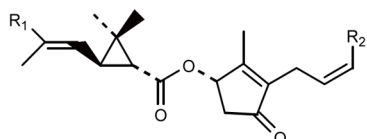
■ Uncaria Rhynchophylla



Rhynchophylline

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Rhynchophylline	76-66-4	C ₂₂ H ₂₈ N ₂ O ₄	384.47	99%(HPLC)		2-8°C	57210-74	10 mg

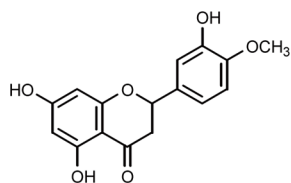
■ Pyrethrum



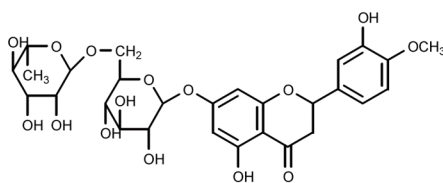
Pyrethrin I : R₁= CH₃ , R₂= CH=CH₂
 Pyrethrin II : R₁= C(O)OCH₃ , R₂= CH=CH₂
 Cinerin I : R₁=R₂= CH₃
 Cinerin II : R₁= C(O)OCH₃ , R₂= CH₃
 Jasmolin I : R₁= CH₃ , R₂= CH₂CH₃
 Jasmolin II : R₁= C(O)OCH₃ , R₂= CH₂CH₃

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Pyrethrin I	121-21-1	C ₂₁ H ₂₆ O ₃	328.45	95%(HPLC)		-20°C	57206-44	10 mg
Pyrethrin II	121-29-9	C ₂₂ H ₂₆ O ₅	372.45	95%(HPLC)		-20°C	57207-34	10 mg
Cinerin I	25402-06-6	C ₂₀ H ₂₆ O ₃	316.43	95%(HPLC)		-20°C	57147-24	10 mg
Cinerin II	121-20-0	C ₂₁ H ₂₈ O ₅	360.44	95%(HPLC)		-20°C	57148-14	10 mg
Jasmolin I	4466-14-2	C ₂₁ H ₃₀ O ₃	330.46	95%(HPLC)		-20°C	57174-64	5 mg
Jasmolin II	1172-63-0	C ₂₂ H ₃₀ O ₅	374.47	95%(HPLC)		-20°C	57173-74	5 mg

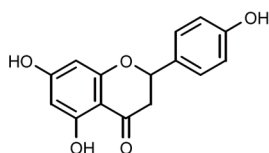
■ Citrus Hesperetin



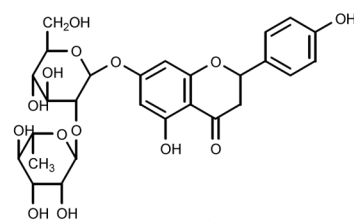
Hesperetin



Hesperidin



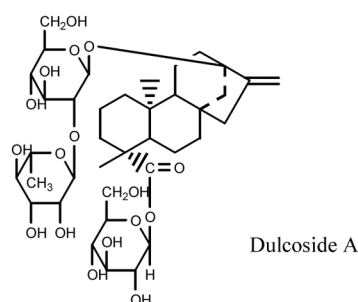
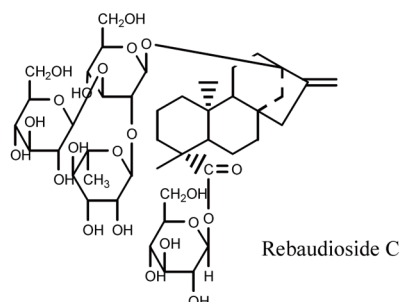
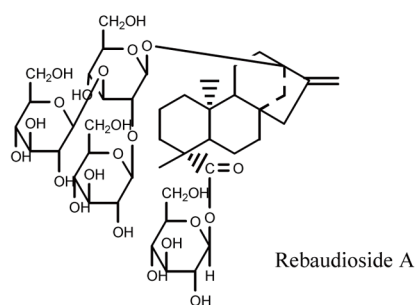
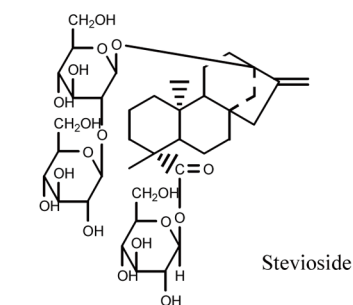
Naringenin



Naringin

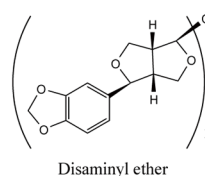
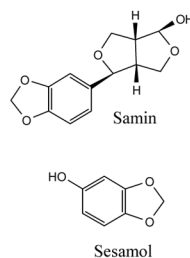
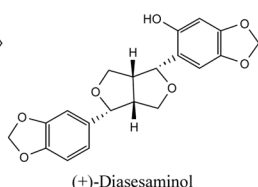
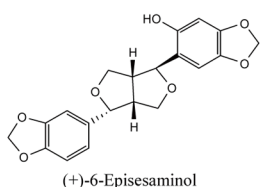
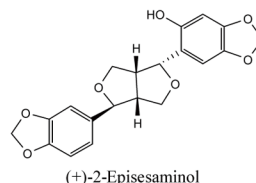
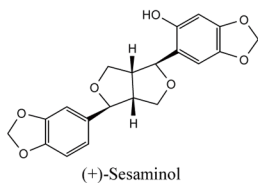
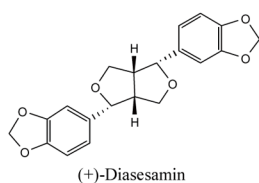
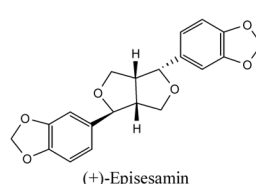
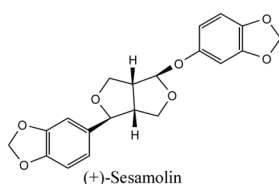
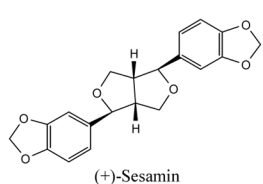
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
(2S)-Hesperidin	520-26-3	C ₂₈ H ₃₄ O ₁₅	610.56	99%(HPLC)		2-8°C	57122-34	10 mg
(2R)-Hesperidin	369593-42-0	C ₂₈ H ₃₄ O ₁₅	610.56	99%(HPLC)		2-8°C	57119-94	10 mg
(2S)-Naringin	10236-47-2	C ₂₇ H ₃₂ O ₁₄	580.53	99%(HPLC)		2-8°C	57123-24	10 mg

Stevia

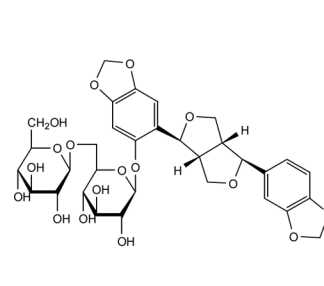
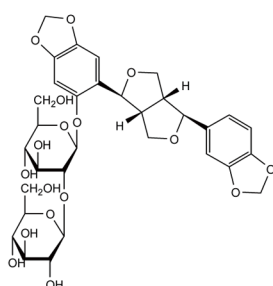
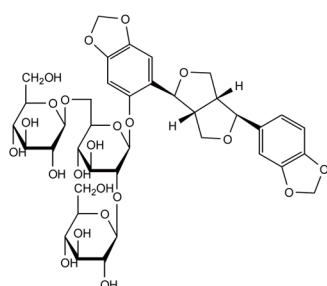


Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Stevioside	57817-89-7	C ₃₈ H ₆₀ O ₁₈	804.87	99%(HPLC)		2-8°C	57219-84	100 mg
Dulcoside A	64432-06-0	C ₃₈ H ₆₀ O ₁₇	788.87	98%(HPLC)		2-8°C	57164-94	2 mg
Rebaudioside A	58543-16-1	C ₄₄ H ₇₀ O ₂₃	967.01	99%(HPLC)		2-8°C	57208-24	100 mg
Rebaudioside C	63550-99-2	C ₄₄ H ₇₀ O ₂₂	951.01	98%(HPLC)		2-8°C	57209-14	5 mg

Sesame Lignan



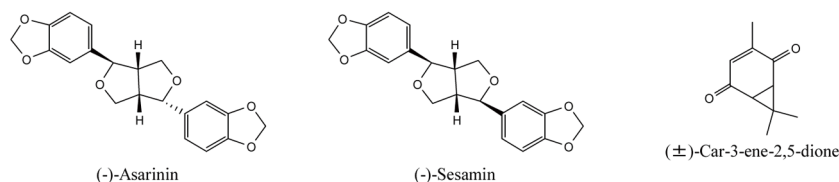
Sesamol



Sesame Lignan (Continued)

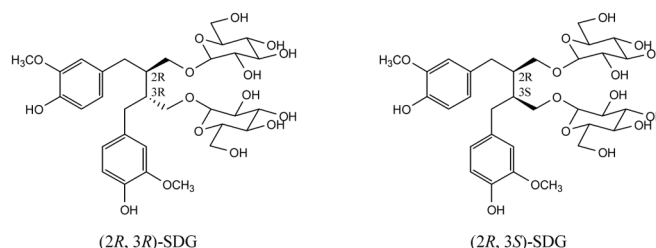
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
(+)-Sesamin	607-80-7	C ₂₀ H ₁₈ O ₆	354.35	99%(HPLC)		-20°C	57116-66	100 mg
(+)-Sesamolin	526-07-8	C ₂₀ H ₁₈ O ₇	370.35	99%(HPLC)		-20°C	57117-14 57117-56	10 mg 100 mg
(+)-Episesamin	133-03-9	C ₂₀ H ₁₈ O ₆	354.35	99%(HPLC)		-20°C	57115-34 57115-76	10 mg 100 mg
Diasesamin	551-30-4	C ₂₀ H ₁₈ O ₆	354.35	99%(HPLC)		-20°C	57156-04	2 mg
Sesaminol	74061-79-3	C ₂₀ H ₁₈ O ₇	370.35	99%(HPLC)		-20°C	57214-34	10 mg
2-Episesaminol	104319-96-2	C ₂₀ H ₁₈ O ₇	370.35	98%(HPLC)		-20°C	57127-84	10 mg
6-Episesaminol	105616-55-5	C ₂₀ H ₁₈ O ₇	370.35	99%(HPLC)		-20°C	57142-74	2 mg
Diasesaminol	110300-35-1	C ₂₀ H ₁₈ O ₇	370.35	98%(HPLC)		-20°C	57157-94	2 mg
Samin	525-07-5	C ₁₃ H ₁₄ O ₅	250.25	99%(HPLC)		-20°C	57211-64	10 mg
Disaminyl ether	30186-93-7	C ₂₆ H ₂₆ O ₉	482.48			-20°C	57158-84	5 mg
Sesamol	533-31-3	C ₇ H ₆ O ₃	138.12	99%(HPLC)		-20°C	57218-94 57218-81	100 mg 1 g
Sesaminol triglucoside	157469-83-5	C ₃₈ H ₄₈ O ₂₂	856.77	99%(HPLC)		-20°C	57217-04	5 mg
Sesaminol (1→2) diglucoside	157469-82-4	C ₃₂ H ₃₈ O ₁₇	694.63	99%(HPLC)		-20°C	57215-11	1 mg
Sesaminol (1→6) diglucoside	474431-66-8	C ₃₂ H ₃₈ O ₁₇	694.63	99%(HPLC)		-20°C	57216-01	1 mg

Asiasarum Root



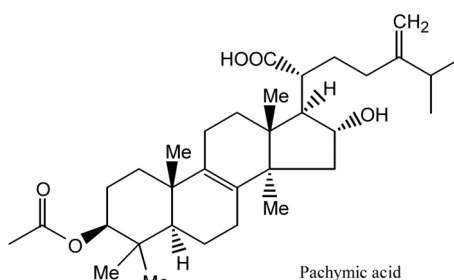
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
(-)-Asarinin	133-04-0	C ₂₀ H ₁₈ O ₆	354.35	99%(HPLC)		-20°C	57217-04	10 mg
(-)-Sesamin/(+)-Sesamin [natural enantiomeric mixture]		C ₂₀ H ₁₈ O ₆	354.35	Total 99% (HPLC)		-20°C	57114-44	5 mg
(-)-Sesamin	13079-95-3	C ₂₀ H ₁₈ O ₆	354.35	99%(HPLC)		-20°C	57113-54	2 mg
(±)-Car-3-ene-2,5-dione		C ₂₀ H ₁₈ O ₆	164.2			-20°C	57118-04	5 mg

Linseed



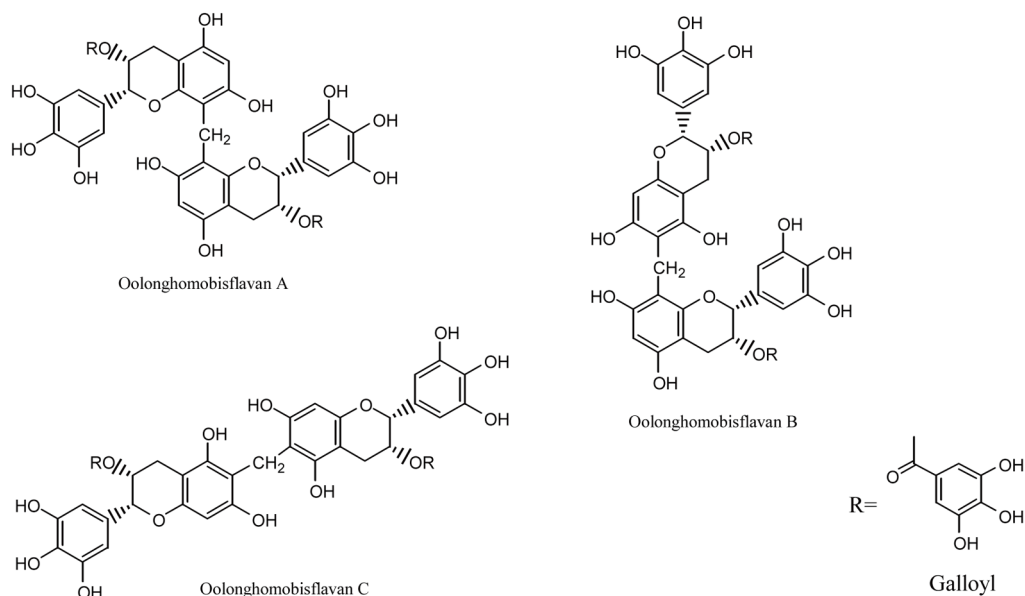
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
SDG Mixture		C ₃₂ H ₄₆ O ₁₆	686.70	Total 99% (HPLC)		-20°C	57212-54 57212-96	10 mg 100 mg
SDG Mixture		C ₃₂ H ₄₆ O ₁₆	686.70	Total 95% (TLC)		-20°C	57213-44 57213-86	10 mg 100 mg
(2R,3R)-SDG	158932-33-3	C ₃₂ H ₄₆ O ₁₆	686.70	99%(HPLC)		-20°C	57120-54	5 mg
(2R,3R)-SDG	492449-92-0	C ₃₂ H ₄₆ O ₁₆	686.70	99%(HPLC)		-20°C	57121-44	2 mg

Hoelen



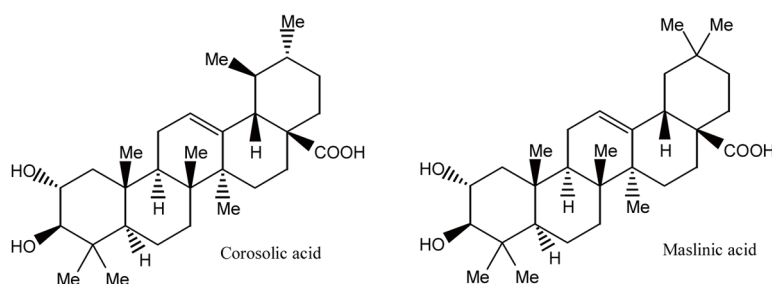
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Pachymic acid	29070-92-6	C ₃₃ H ₅₂ O ₅	528.76	98%(HPLC)		-20°C	57224-04	10 mg

Oolong Tea



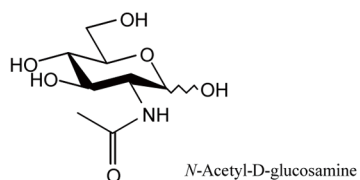
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Oolonghomobisflavan A	126737-60-8	C ₄₅ H ₃₆ O ₂₂	928.75	98%(HPLC)		-20°C	57189-84	5 mg
Oolonghomobisflavan B	176107-91-8 (126715-88-6)	C ₄₅ H ₃₆ O ₂₂	928.75	98%(HPLC)		-20°C	57190-44	5 mg
Oolonghomobisflavan C	126716-06-1	C ₄₅ H ₃₆ O ₂₂	928.75	98%(HPLC)		-20°C	57191-34	2 mg

Lagerstroemia Speciosa



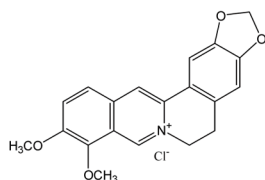
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Corosolic acid (Colosolic acid)	4547-24-4	C ₃₀ H ₄₈ O ₄	472.70	99%(HPLC)		2-8°C	57154-24	10 mg
Maslinic acid	4373-41-5	C ₃₀ H ₄₈ O ₄	472.70	99%(HPLC)		2-8°C	57175-54	2 mg

Shrimp / Crab

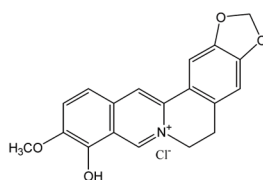


Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
N-Acetyl-D-glucosamine	7512-17-6 (72-87-7, 10036-64-3)	C ₈ H ₁₅ NO ₆	221.21	Total 99.5% (HPLC)		-20°C	57182-54	10 mg
N-Acetyl-D-glucosamine	7512-17-6 (72-87-7, 10036-64-3)	C ₈ H ₁₅ NO ₆	221.21	Tota; 99% (HPLC)		2-8°C	57225-94	100 g

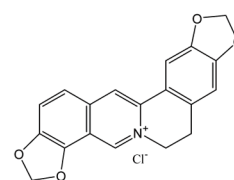
Coptis Root



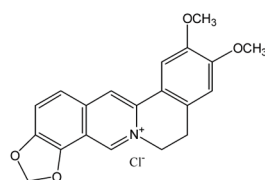
Berberine Chloride



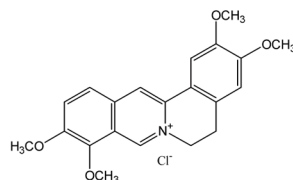
Berberrubine Chloride



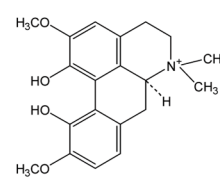
Coptisine Chloride



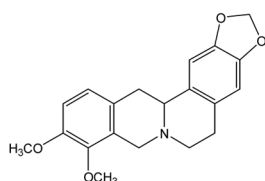
Epiberberine Chloride



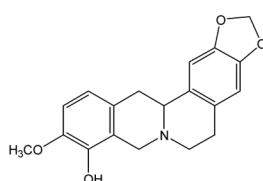
Palmatine Chloride



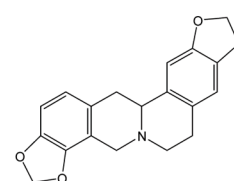
Magnoflorine



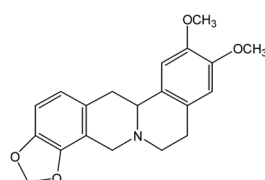
dl-Tetrahydroberberine



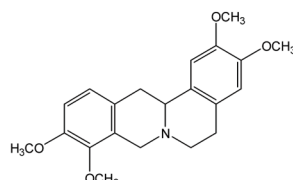
dl-Tetrahydroberberrubine



dl-Tetrahydrocoptisine



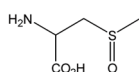
dl-Tetrahydroepiberberine



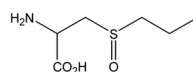
dl-Tetrahydropalmatine

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Berberine Chloride	633-65-8 141433-60-5	C ₂₀ H ₁₈ NO ₄ .Cl	371.81	99%(HPLC)		2-8°C	57143-64	20 mg
Berberrubine Chloride	15401-69-1	C ₁₉ H ₁₆ NO ₄ .Cl	357.79	99%(HPLC)		2-8°C	57144-54	10 mg
Coptisine Chloride	6020-18-4	C ₁₉ H ₁₄ NO ₄ .Cl	355.77	99%(HPLC)		2-8°C	57153-34	10 mg
Epiberberine Chloride	889665-86-5	C ₂₀ H ₁₈ NO ₄ .Cl	371.81	99%(HPLC)		2-8°C	57165-84	10 mg
Palmatine Chloride	10605-02-4	C ₂₁ H ₂₂ NO ₄ .Cl	387.86	99%(HPLC)		2-8°C	57192-24	10 mg
dl-Tetrahydroberberine (dl-Canadine)	522-97-4	C ₂₀ H ₂₁ NO ₄	339.39	99%(HPLC)		2-8°C	57159-74	5 mg
dl-Tetrahydroberberrubine	17388-17-9	C ₁₉ H ₁₉ NO ₄	325.36	99%(HPLC)		2-8°C	57160-34	5 mg
dl-Tetrahydrocoptisine (dl-Stylopine)	4312-32-7	C ₁₉ H ₁₇ NO ₄	323.34	99%(HPLC)		2-8°C	57161-24	5 mg
dl-Tetrahydroepiberberine (dl-Sinactin)	38853-67-7	C ₂₀ H ₂₁ NO ₄	339.34	99%(HPLC)		2-8°C	57163-04	5 mg
dl-Tetrahydropalmatine	2934-97-6	C ₂₁ H ₂₅ NO ₄	355.43	99%(HPLC)		2-8°C	57162-14	5 mg

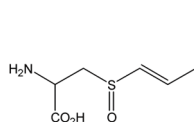
Garlic / Onion



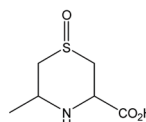
Methiin



Propiin



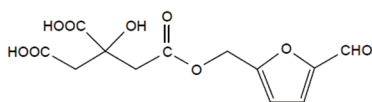
Isoalliin



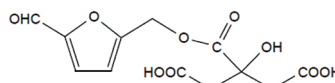
Cycloalliin

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Methiin		C ₄ H ₉ NO ₃ S	151.19	99%(HPLC)		-20°C	57176-31	1 mg
Propiin		C ₆ H ₁₃ NO ₃ S	179.24	99%(HPLC)		-20°C	57198-51	1 mg
Isoalliin		C ₆ H ₁₁ NO ₃ S	177.22	99%(HPLC)		-20°C	57172-71	1 mg
Cycloalliin hydrochloride monohydrate		C ₆ H ₁₁ NO ₃ S • HCl • H ₂ O	231.70	99%(HPLC)		-20°C	57155-14	5 mg

Prunus Mume



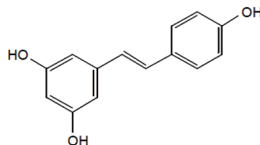
Mumefural



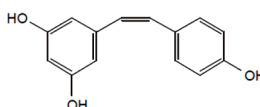
Mumefural isomer

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Mumefural	222973-44-6	C ₁₂ H ₁₂ O ₉	300.22	90%(HPLC)		-20°C	57178-24	5 mg
Mumefural (synthetic)	222973-44-6	C ₁₂ H ₁₂ O ₉		98%(HPLC)		-20°C	60551-14	5 mg
Mumefural isomer (natural)	1025890-42-9	C ₁₂ H ₁₂ O ₉	300.22	95%(HPLC)		-20°C	62148-54	2 mg
Mumefural isomer (synthetic)	1025890-42-9	C ₁₂ H ₁₂ O ₉	300.22	98%(HPLC)		-20°C	62149-44	2 mg

Grape, Japanese Knotweed, and Passion fruit



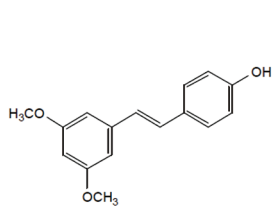
trans-Resveratrol



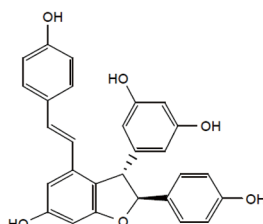
cis-Resveratrol

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
trans-Resveratrol	501-36-0	C ₁₄ H ₁₂ O ₃	228.24	99%(HPLC)		-20°C	57223-14 57223-01	100 mg 1 g
cis-Resveratrol	61434-67-1	C ₁₄ H ₁₂ O ₃	228.24	99%(HPLC)		-20°C	57150-64	10 mg

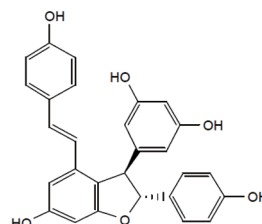
Grape



trans-Pterostilbene



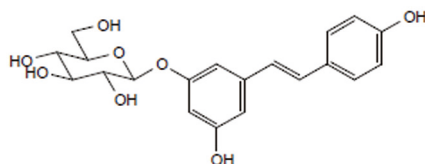
(+)-ε-Viniferin



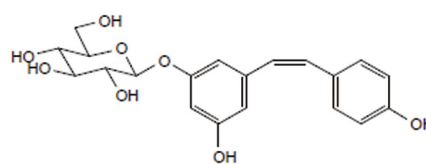
(-)-ε-Viniferin

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
trans-Pterostilbene	537-42-8	C ₁₆ H ₁₆ O ₃	256.30	99%(HPLC)		-20°C	57205-54 57205-96	10 mg 100 mg
(+)-ε-Viniferin	129170-22-5	C ₂₈ H ₂₂ O ₆	454.47	99%(HPLC)		-20°C	62182-94	2 mg
(-)-ε-Viniferin	62218-08-0	C ₂₈ H ₂₂ O ₆	454.47	99%(HPLC)		-20°C	62181-04	2 mg
Ampelopsin A	130608-11-6	C ₂₈ H ₂₂ O ₇	470.47	99% (HPLC)			Inquire	
Miyabenol C		C ₄₂ H ₃₂ O ₉	680.70	99% (HPLC)			Inquire	
Vitisin A	142449-89-6	C ₅₆ H ₄₂ O ₁₂	906.93	99% (HPLC)			Inquire	
Vitisin B	142449-90-9	C ₅₆ H ₄₂ O ₁₂	906.93	99% (HPLC)			Inquire	
Hopeaphenol	388582-37-4	C ₅₆ H ₄₂ O ₁₂	906.93	99% (HPLC)			Inquire	
Isohopeaphenol	197446-77-8	C ₅₆ H ₄₂ O ₁₂	906.93	99% (HPLC)			Inquire	

Polygonum Cuspidatum



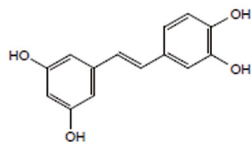
trans-Polydatin



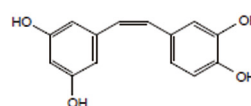
cis-Polydatin

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
trans-Polydatin (trans-Piceid)	27208-80-6 65914-17-2	C ₂₀ H ₂₂ O ₈	390.38	99%(HPLC)		-20°C	57222-24	10 mg
cis-Polydatin (cis-Piceid)	148766-36-3	C ₂₀ H ₂₂ O ₈	390.38	99%(HPLC)		-20°C	57149-04	10 mg

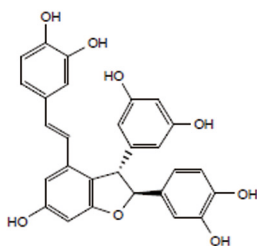
Passionfruit



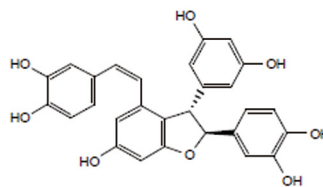
trans-Piceatannol



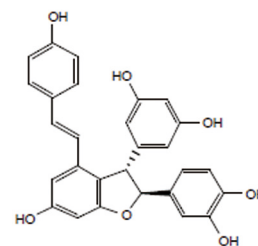
cis-Piceatannol



trans-Scirpusin B



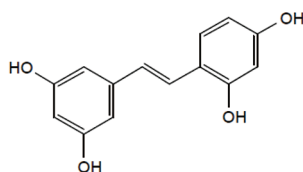
cis-Scirpusin B



trans-Scirpusin A

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
trans-Piceatannol	10083-24-6	C ₁₄ H ₁₂ O ₄	244.25	99% (HPLC)		-20°C	57197-74 57197-16	10 mg 100 mg
cis-Piceatannol	106325-86-4	C ₁₄ H ₁₂ O ₄	244.25	99%(HPLC)		-20°C	57350-44	10 mg
trans-Scirpusin B	483363-92-4	C ₂₈ H ₂₂ O ₈	486.47	98%(HPLC)		-20°C	57348-94	10 mg
cis-Scirpusin B	288846-83-3	C ₂₈ H ₂₂ O ₈	486.47	98%(HPLC)		-20°C	57468-24	2 mg
trans-Scirpusin A	69297-51-4	C ₂₈ H ₂₂ O ₇	470.47	99%(HPLC)		-20°C	57349-84	2 mg

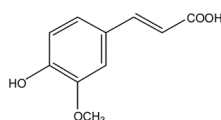
Mulberry



trans-Oxyresveratrol

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
trans-Oxyresveratrol	29700-22-9	C ₁₄ H ₁₂ O ₄	244.24	98%(HPLC)		-20°C	57469-14	10 mg

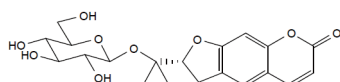
Ferulic Acid from Rice Bran



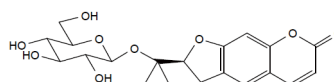
trans-Ferulic acid

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
trans-Ferulic acid	537-98-4	C ₁₀ H ₁₀ O ₄	194.18	99%(HPLC)		2-8°C	57221-34 57221-21	100 mg 1 g

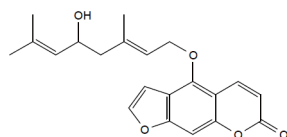
Notopterygium Incisum



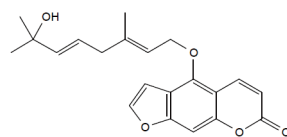
Nodakenin



Marnesinin



Notoptol

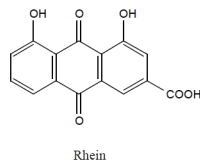


Notoptol

■ Notopterygium Incisum (Continued)

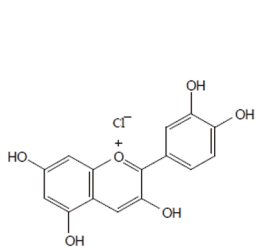
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Nodakenin	495-31-8	C ₂₀ H ₂₄ O ₉	408.40	99%(HPLC)		2-8°C	57351-34	5 mg
Marmesinin	495-30-7	C ₂₀ H ₂₄ O ₉	408.40	99%(HPLC)		2-8°C	57352-24	2 mg
Nopterol	88206-46-6	C ₂₁ H ₂₂ O ₅	354.40	99%(HPLC)		2-8°C	57353-14	10 mg
Noptol	88206-49-9	C ₂₁ H ₂₂ O ₅	354.40	99%(HPLC)		2-8°C	57354-04	5 mg

■ Rheum Palmatum

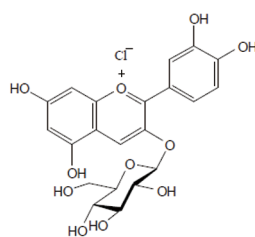


Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Rhein	478-43-3	C ₁₅ H ₈ O ₆	284.22	99%(HPLC)		2-8°C	57355-94 57355-36	20 mg 100 mg

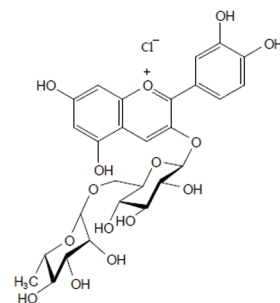
■ Black Currant, Black Soybean and others



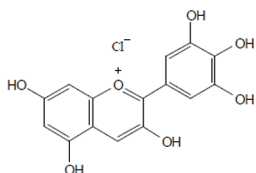
Cyanidin chloride



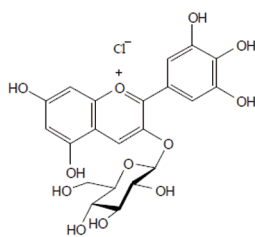
Cyanidin 3-glucoside chloride



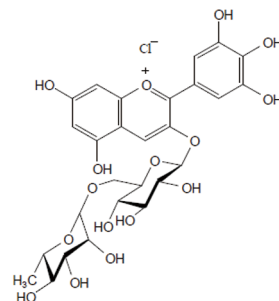
Cyanidin 3-rutinoside chloride



Delphinidin chloride



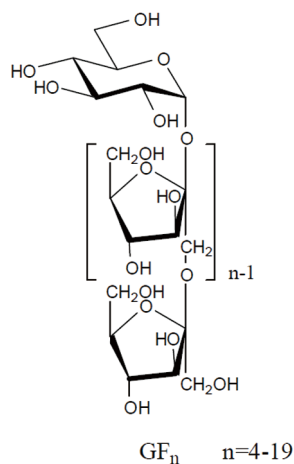
Delphinidin 3-glucoside chloride



Delphinidin 3-rutinoside chloride

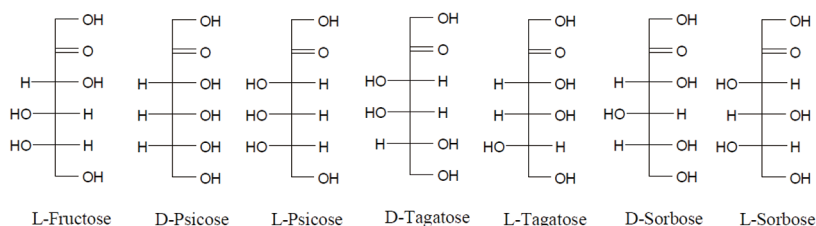
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Cyanidin Chloride	528-58-5	C ₁₅ H ₁₁ O ₆ · Cl		99%(HPLC)		-20°C	60552-04	5 mg
Cyanidin 3-Glucoside Chloride [Kuromanin Chloride]	7084-24-4	C ₂₁ H ₂₁ O ₁₁ · Cl		99%(HPLC)		-20°C	57911-94 57911-36	5 mg 10 mg
Cyanidin 3-Rutinoside Chloride [Keracyanin Chloride]	18719-76-1	C ₂₇ H ₃₁ O ₁₅ · Cl		99%(HPLC)		-20°C	57912-84	10 mg
Delphinidin Chloride	528-53-0	C ₁₅ H ₁₁ O ₇ · Cl		99%(HPLC)		-20°C	60553-94	5 mg
Delphinidin 3-Glucoside Chloride [Mirtillin Chloride]	6906-38-3	C ₂₁ H ₂₁ O ₁₂ · Cl		99%(HPLC)		-20°C	57913-16	10 mg
Delphinidin 3-Rutinoside Chloride [Tulipanin Chloride]	15674-58-5	C ₂₇ H ₃₁ O ₁₆ · Cl		99%(HPLC)		-20°C	57914-64 57914-06	5 mg 10 mg

Inulins



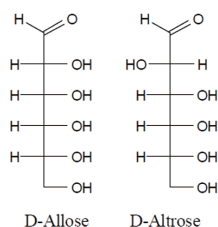
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Fructo-oligosaccharide DP5(GF4) [Fructofuranosyl-nystose]		$C_{30}H_{52}O_{26}$		99%(HPLC)		2-8°C	57915-54	5 mg
Fructo-oligosaccharide DP6(GF5) [1-F-(1-β-Fructofuranosyl)-2-nystose]		$C_{36}H_{62}O_{31}$		99%(HPLC)		2-8°C	57916-31	1 mg
Fructo-oligosaccharide DP7(GF6) [1-F-(1-β-Fructofuranosyl)-3-nystose]		$C_{42}H_{72}O_{36}$		99%(HPLC)		2-8°C	57917-21	1 mg
Fructo-oligosaccharide DP8(GF7)		$C_{48}H_{82}O_{41}$		99%(HPLC)		2-8°C	57918-11	1 mg
Fructo-oligosaccharide DP9(GF8)		$C_{54}H_{92}O_{46}$		99%(HPLC)		2-8°C	57919-01	1 mg
Fructo-oligosaccharide DP10(GF9)		$C_{60}H_{102}O_{51}$		99%(HPLC)		2-8°C	57920-61	1 mg
Fructo-oligosaccharide DP11(GF10)		$C_{66}H_{112}O_{56}$		99%(HPLC)		2-8°C	57921-51	1 mg
Fructo-oligosaccharide DP12(GF11)		$C_{72}H_{122}O_{61}$		99%(HPLC)		2-8°C	60555-61	1 mg
Fructo-oligosaccharide DP13(GF12)		$C_{78}H_{132}O_{66}$		99%(HPLC)		2-8°C	60556-51	1 mg
Fructo-oligosaccharide DP14(GF13)		$C_{84}H_{142}O_{71}$		99%(HPLC)		2-8°C	60557-41	1 mg
Fructo-oligosaccharide DP15(GF14)		$C_{90}H_{152}O_{76}$		99%(HPLC)		2-8°C	60558-31	1 mg
Fructo-oligosaccharide DP16(GF15)		$C_{96}H_{162}O_{81}$		99%(HPLC)		2-8°C	60559-21	1 mg
Fructo-oligosaccharide DP17(GF16)		$C_{102}H_{172}O_{86}$		99%(HPLC)		2-8°C	60560-81	1 mg
Fructo-oligosaccharide DP18(GF17)		$C_{108}H_{182}O_{91}$		95%(HPLC)		2-8°C	60561-84	0.2 mg
Fructo-oligosaccharide DP19(GF18)		$C_{114}H_{192}O_{96}$		95%(HPLC)		2-8°C	60562-74	0.2 mg
Fructo-oligosaccharide DP20(GF19)		$C_{120}H_{202}O_{101}$		95%(HPLC)		2-8°C	60563-64	0.2 mg
Fructo-oligosaccharides Kit(DP3~DP11, GF2~GF10)						2-8°C	57922-41	1SET
Fructo-oligosaccharides Kit(DP12~DP20, GF11~GF19)						2-8°C	60564-41	1SET

Rare sugars (Keto-hexoses)



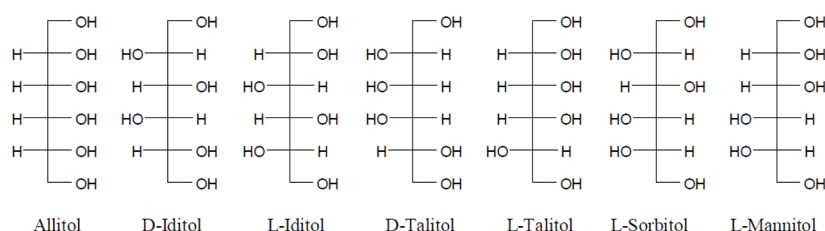
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
D-Psicose	551-68-8	$C_6H_{12}O_6$		99.5%(HPLC)		2-8°C	60566-34	100 mg
D-Psicose	551-68-8	$C_6H_{12}O_6$		99%(HPLC)		2-8°C	60554-71	1 g
L-Psicose	16354-64-6	$C_6H_{12}O_6$		99.5%(HPLC)		2-8°C	60577-94	100 mg
L-Psicose	16354-64-6	$C_6H_{12}O_6$		99%(HPLC)		2-8°C	60568-14	100 mg
L-Fructose	7776-48-9	$C_6H_{12}O_6$		99.5%(HPLC)		2-8°C	60579-74	100 mg
L-Fructose	7776-48-9	$C_6H_{12}O_6$		98%(HPLC)		2-8°C	60578-71	1 g
D-Sorbose	3615-56-3	$C_6H_{12}O_6$		99.5%(HPLC)		2-8°C	60581-24	100 mg
D-Sorbose	3615-56-3	$C_6H_{12}O_6$		99%(HPLC)		2-8°C	60580-21	1 g
L-Sorbose	87-79-6	$C_6H_{12}O_6$		99.5%(HPLC)		2-8°C	60583-04	100 mg
L-Sorbose	87-79-6	$C_6H_{12}O_6$		99%(HPLC)		2-8°C	60582-72	25 g
D-Tagatose	87-81-0	$C_6H_{12}O_6$		99.5%(HPLC)		2-8°C	60585-84	100 mg
D-Tagatose	87-81-0	$C_6H_{12}O_6$		98%(HPLC)		2-8°C	60584-81	1 g
L-Tagatose	17598-82-2	$C_6H_{12}O_6$		99.5%(HPLC)		2-8°C	60587-64	100 mg
L-Tagatose	17598-82-2	$C_6H_{12}O_6$		98%(HPLC)		2-8°C	60586-74	100 mg

Rare sugars (Aldo-hexoses)



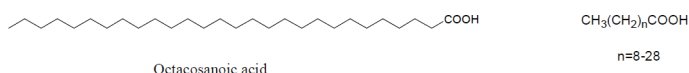
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
D-Allose	2595-97-3	C ₆ H ₁₂ O ₆		99.5%(HPLC)		2-8°C	60589-44	100 mg
D-Allose	2595-97-3	C ₆ H ₁₂ O ₆		99%(HPLC)		2-8°C	60588-41	1 g
D-Altrose	1990-29-0	C ₆ H ₁₂ O ₆		99.5%(HPLC)		2-8°C	60591-94	100 mg
D-Altrose	1990-29-0	C ₆ H ₁₂ O ₆		99%(HPLC)		2-8°C	60590-91	1 g

Rare sugars (Sugar alcohols)



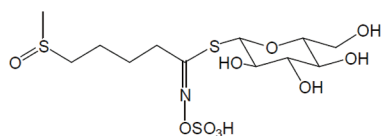
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Allitol	488-44-8	C ₆ H ₁₄ O ₆	182.17	99.5%(HPLC)		2-8°C	62139-74	100 mg
Allitol	488-44-8	C ₆ H ₁₄ O ₆		99%(HPLC)		2-8°C	60592-71	1 g
D-Iditol	25878-23-3	C ₆ H ₁₄ O ₆	182.17	99.5%(HPLC)		2-8°C	62140-34	100 mg
D-Iditol	25878-23-3	C ₆ H ₁₄ O ₆		99%(HPLC)		2-8°C	60594-51	1 g
L-Iditol	488-45-9	C ₆ H ₁₄ O ₆	182.17	99.5%(HPLC)		2-8°C	62141-24	100 mg
L-Iditol	488-45-9	C ₆ H ₁₄ O ₆		99%(HPLC)		2-8°C	60596-31	1 g
D-Talitol	643-03-8	C ₆ H ₁₄ O ₆	182.17	99.5%(HPLC)		2-8°C	62142-14	100 mg
D-Talitol	643-03-8	C ₆ H ₁₄ O ₆		99%(HPLC)		2-8°C	60598-24	0.5 g
L-Talitol	60660-58-4	C ₆ H ₁₄ O ₆	182.17	99.5%(HPLC)		2-8°C	62143-04	100 mg
L-Talitol	60660-58-4	C ₆ H ₁₄ O ₆		99%(HPLC)		2-8°C	60600-64	200 mg
L-Sorbitol	6706-59-8	C ₆ H ₁₄ O ₆	182.17	99.5%(HPLC)		2-8°C	62144-94	100 mg
L-Sorbitol	6706-59-8	C ₆ H ₁₄ O ₆		99%(HPLC)		2-8°C	60602-44	100 mg
L-Mannitol	643-01-6	C ₆ H ₁₄ O ₆	182.17	99.5%(HPLC)		2-8°C	62145-84	100 mg
L-Mannitol	643-01-6	C ₆ H ₁₄ O ₆		99%(HPLC)		2-8°C	60604-11	1 g

Saturated fatty acids

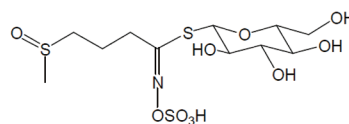


Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Decanoic Acid [Capric Acid]	334-48-5	C ₁₀ H ₂₀ O ₂		99.5%(HPLC)		2-8°C	60606-04	10 g
Dodecanoic Acid [Lauric Acid]	143-07-7	C ₁₂ H ₂₄ O ₂		99.5%(HPLC)		2-8°C	60607-94	10 g
Tridecanoic Acid	638-53-9	C ₁₃ H ₂₆ O ₂	214.35	99.5% (HPLC)		2-8°C	62180-14	10 g
Myristic Acid	544-63-8	C ₁₄ H ₂₈ O ₂		99.5%(HPLC)		2-8°C	60609-74	10 g
Pentadecanoic Acid	1002-84-2	C ₁₅ H ₃₀ O ₂	242.40	99.5% (HPLC)		2-8°C	62171-34	10 g
Palmitic Acid	57-10-3	C ₁₆ H ₃₂ O ₂		99.5%(HPLC)		2-8°C	60610-34	10 g
Heptadecanoic Acid	506-12-7	C ₁₇ H ₃₄ O ₂	270.46	99.5% (HPLC)		2-8°C	62165-24	5 g
Stearic Acid	57-11-4	C ₁₈ H ₃₆ O ₂		99.5%(HPLC)		2-8°C	60611-24	10 g
Nonadecanoic Acid	646-30-0	C ₁₉ H ₃₈ O ₂	298.51	99.5% (HPLC)		2-8°C	62169-84	2 g
Arachidic Acid	506-30-9	C ₂₀ H ₄₀ O ₂		99.5%(HPLC)		2-8°C	60612-01	1 g
Heneicosanoic Acid	2363-71-5	C ₂₁ H ₄₂ O ₂	326.57	99.5% (HPLC)		2-8°C	62163-44	200 mg
Behenic Acid	112-85-6	C ₂₂ H ₄₄ O ₂		99.5%(HPLC)		2-8°C	60613-91	1 g
Tricosanoic Acid	2433-96-7	C ₂₃ H ₄₆ O ₂	354.62	99.5% (HPLC)		2-8°C	62179-54	100 mg
Lignoceric Acid	557-59-5	C ₂₄ H ₄₈ O ₂		99.5%(HPLC)		2-8°C	60614-81	1 g
Pentacosanoic Acid	506-38-7	C ₂₅ H ₅₀ O ₂	382.67	99.5% (HPLC)		2-8°C	62170-44	100 mg
Hexacosanoic Acid	506-46-7	C ₂₆ H ₅₂ O ₂		99.5%(HPLC)		2-8°C	60615-55	500 mg
Heptacosanoic Acid	7138-40-1	C ₂₇ H ₅₄ O ₂	410.73	99.5% (HPLC)		2-8°C	62164-34	100 mg
Octacosanoic Acid	506-48-9	C ₂₈ H ₅₆ O ₂		99.5%(HPLC)		2-8°C	60616-74	100 mg
Nonacosanoic Acid	4250-38-8	C ₂₉ H ₅₈ O ₂	438.78	99.5% (HPLC)		2-8°C	62168-94	100 mg
Melissic acid	506-50-3	C ₃₀ H ₆₀ O ₂	452.81	99.5% (HPLC)		2-8°C	62167-04	100 mg

Broccoli



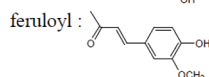
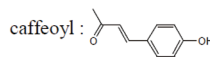
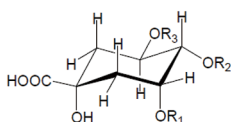
Glucoraphanin



Glucoiberin

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Glucoraphanin	21414-41-5	C ₁₂ H ₂₃ NO ₁₀ S ₃	437.51	98%(HPLC)		-20°C	62150-04 62150-46	10 mg 100 mg
Glucoiberin	554-88-1	C ₁₁ H ₂₁ NO ₁₀ S	423.48	98%(HPLC)		-20°C	62151-94	2 mg

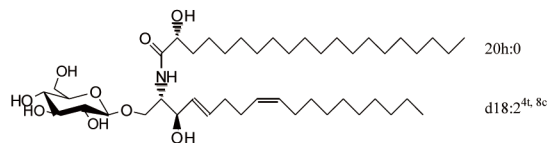
Coffee



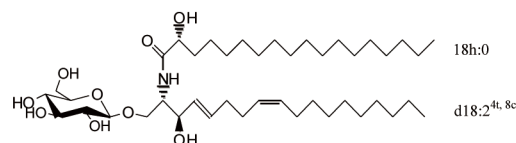
3-CQA R₁=caffeoyl, R₂=R₃=H
 4-CQA R₂=caffeoyl, R₁=R₃=H
 5-CQA R₃=caffeoyl, R₁=R₂=H
 3-FQA R₁=feruloyl, R₂=R₃=H
 4-FQA R₂=feruloyl, R₁=R₃=H
 5-FQA R₃=feruloyl, R₁=R₂=H

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
3-O-Caffeoylquinic Acid [Neochlorogenic Acid]		C ₁₆ H ₁₈ O ₉	354.31	98%(HPLC)		-20°C	62152-84	5 mg
4-O-Caffeoylquinic Acid		C ₁₆ H ₁₈ O ₉	354.31	98%(HPLC)		-20°C	62153-74	5 mg
Chlorogenic Acid [5-O-Caffeoylquinic Acid]		C ₁₆ H ₁₈ O ₉	354.31	99%(HPLC)		-20°C	62154-64	10 mg
3-O-Feruloylquinic Acid		C ₁₇ H ₂₀ O ₉	368.34	98%(HPLC)		-20°C	62155-41	1 mg
4-O-Feruloylquinic Acid		C ₁₇ H ₂₀ O ₉	368.34	98%(HPLC)		-20°C	62156-31	1 mg
5-O-Feruloylquinic Acid		C ₁₇ H ₂₀ O ₉	368.34	98%(HPLC)		-20°C	62157-34	5 mg

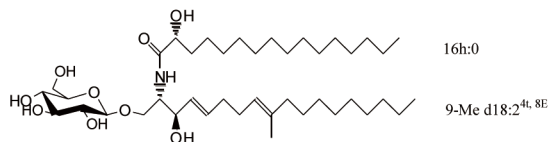
Glucosylceramide



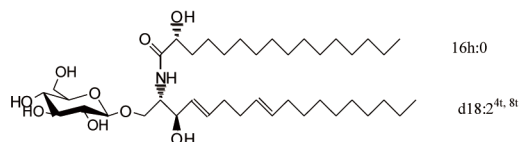
Glucosylceramide, from Rice or Maize (main components)



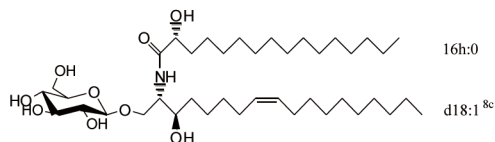
Glucosylceramide, from Konjac (main components)



Glucosylceramide, from Maitake or Tamogitake (main components)



Glucosylceramide, from Soy bean or Sugar beat (main components)



Glucosylceramide, from Wheat (main components)

• Plant / Fungus

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Glucosylceramide, from Rice (Glucosylceramide mix.)				99%(TLC)		2-8°C	57319-16 57319-74	10 mg 100 mg
Glucosylceramide, from Maize (Glucosylceramide mix.)				99%(TLC)		2-8°C	57470-16 57470-74	10 mg 100 mg
Glucosylceramide, from Konjac (Glucosylceramide mix.)				99%(TLC)		2-8°C	57471-64 57471-06	10 mg 100 mg
Glucosylceramide, from Hen of the Woods (Maitake)(Glucosylceramide mix.)				99%(TLC)		2-8°C	57472-54 57472-96	10 mg 100 mg
Glucosylceramide, from Tamogitake (Glucosylceramide mix.)				99%(TLC)		2-8°C	57473-44 57473-86	10 mg 100 mg
Glucosylceramide, from Soybean (Glucosylceramide mix.)				99%(TLC)		2-8°C	57474-34 57474-76	10 mg 100 mg

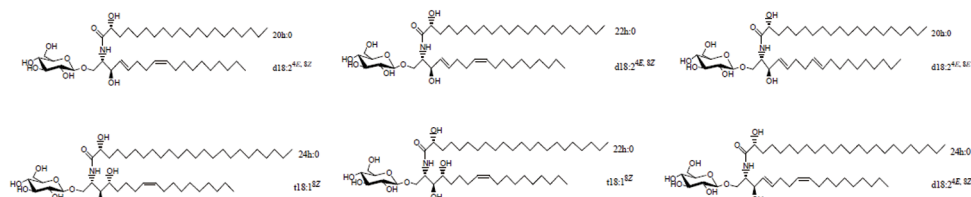
Glucosylceramide (Continued)

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Glucosylceramide, from Wheat (Glucosylceramide mix.)				99%(TLC)		2-8°C	57475-24 57475-66	10 mg 100 mg
Glucosylceramide, from Sugar beet (Glucosylceramide mix.)				99%(TLC)		2-8°C	60565-44 60565-86	10 mg 100 mg
Ceramide, from Acetobacter malorum (Ceramide mix.)				99%(TLC)		2-8°C	60567-24 60567-66	10 mg 100 mg

• Milk

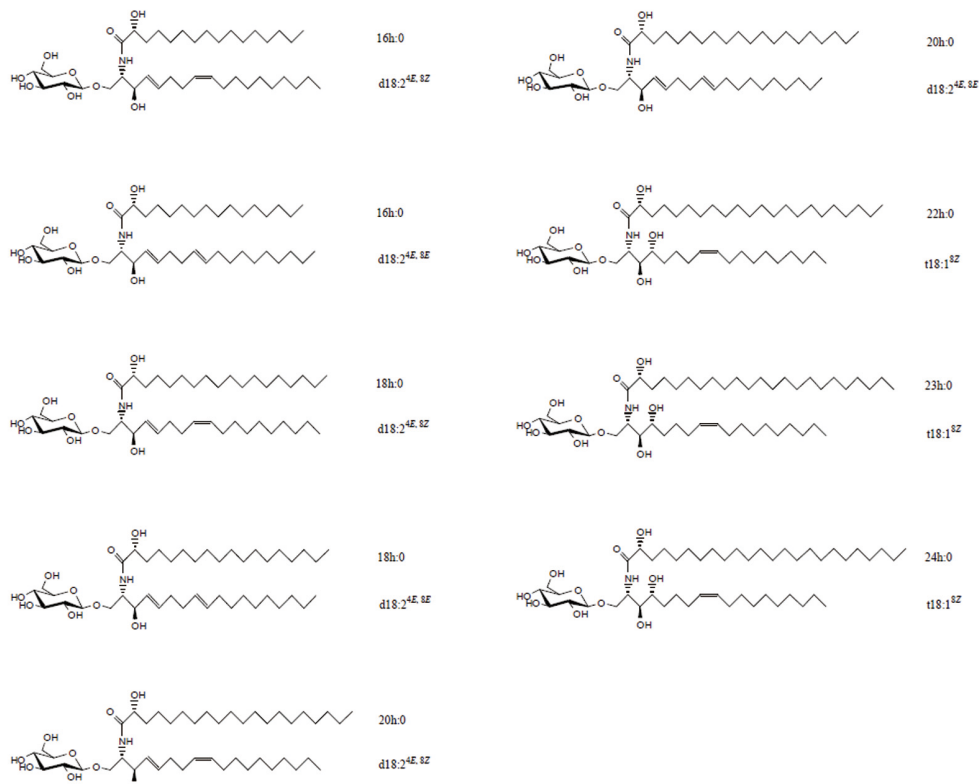
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Glucosylceramide, from Milk (Glucosylceramide mix.)				99%(TLC)		2-8°C	57321-24 57321-66	10 mg 100 mg
Lactosylceramide, from Milk (Lactosylceramide mix.)				99%(TLC)		2-8°C	57322-14 57322-56	10 mg 100 mg

Glycosylceramides from Rice



Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Glucosylceramide(d18:24E,8Z-C20h:0) from Rice		C ₄₄ H ₈₃ NO ₉		99%(HPLC)		2-8°C	58010-64	2 mg
Glucosylceramide(d18:24E,8E-C20h:0) from Rice		C ₄₄ H ₈₃ NO ₉		99%(HPLC)		2-8°C	58003-51	1 mg
Glucosylceramide(t18:18Z-C22h:0) from Rice		C ₄₆ H ₈₉ NO ₁₀		99%(HPLC)		2-8°C	58004-41	1 mg
Glucosylceramide(d18:24E,8Z-C22h:0) from Rice		C ₄₆ H ₈₇ NO ₉		99%(HPLC)		2-8°C	58005-31	1 mg
Glucosylceramide(t18:18Z-C24h:0) from Rice		C ₄₈ H ₉₃ NO ₁₀		99%(HPLC)		2-8°C	58006-21	1 mg
Glucosylceramide(d18:24E,8Z-C24h:0) from Rice		C ₄₈ H ₉₁ NO ₉		99%(HPLC)		2-8°C	58007-11	1 mg

Glycosylceramides from Konjac



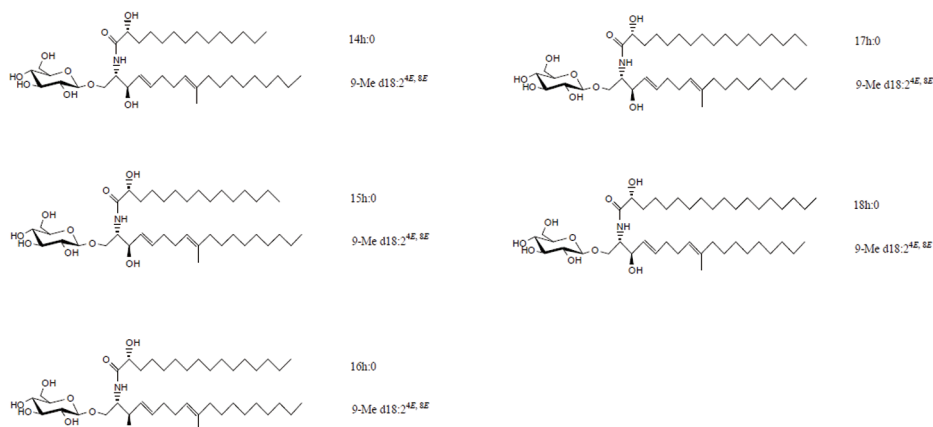
Glycosylceramides from Konjac (Continued)

Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Glucosylceramide(d18:24E,8Z-C16h:0) from Konjac		C ₄₀ H ₇₅ NO ₉		99%(HPLC)		2-8°C	58171-64	2 mg
Glucosylceramide(d18:24E,8E-C16h:0) from Konjac		C ₄₀ H ₇₅ NO ₉		99%(HPLC)		2-8°C	57900-21	1 mg
Glucosylceramide(d18:24E,8Z-C18h:0) from Konjac		C ₄₂ H ₇₉ NO ₉		99%(HPLC)		2-8°C	58173-44	2 mg
Glucosylceramide(d18:24E,8E-C18h:0) from Konjac		C ₄₂ H ₇₉ NO ₉		99%(HPLC)		2-8°C	58172-41	1 mg
Glucosylceramide(d18:24E,8Z-C20h:0) from Konjac		C ₄₄ H ₈₃ NO ₉		99%(HPLC)		2-8°C	58175-11	1 mg
Glucosylceramide(d18:24E,8E-C20h:0) from Konjac		C ₄₄ H ₈₃ NO ₉		99%(HPLC)		2-8°C	58174-21	1 mg
Glucosylceramide(t18:18Z-C22h:0) from Konjac		C ₄₆ H ₈₉ NO ₁₀		99%(HPLC)		2-8°C	58176-14	2 mg
Glucosylceramide(t18:18Z-C23h:0) from Konjac		C ₄₇ H ₉₁ NO ₁₀		99%(HPLC)		2-8°C	58177-91	1 mg
Glucosylceramide(t18:18Z-C24h:0) from Konjac		C ₄₈ H ₉₃ NO ₁₀		99%(HPLC)		2-8°C	58178-81	1 mg

Glycosylceramides from Hen of the Woods (Maitake)

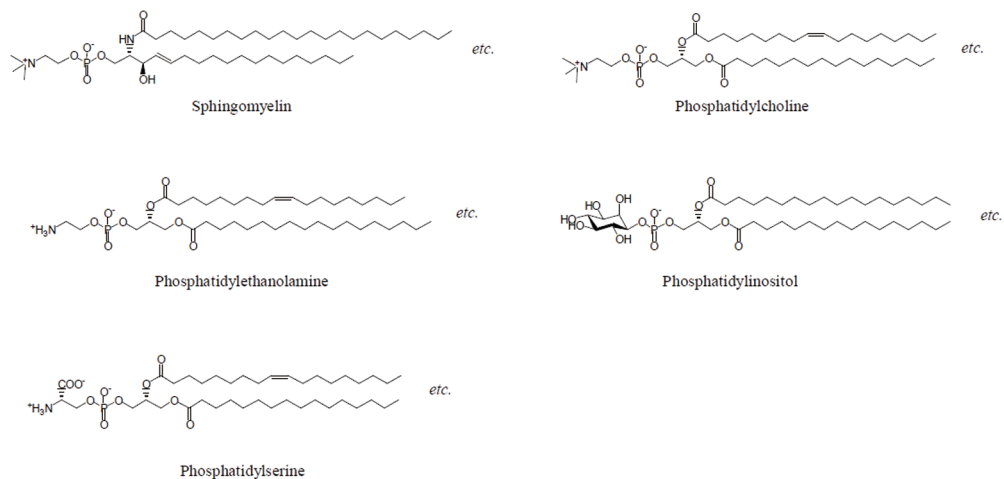
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
9-Me d18:24E, 8E -C14h:0 Glucosylceramide, from Hen of the Woods (Maitake)		C ₃₉ H ₇₃ NO ₉	700	99% (HPLC)		2-8°C	Inquire	
Glucosylceramide(9-Me d18:24E, 8E-C15h:0) from Hen of the Woods(Maitake)		C ₄₀ H ₇₅ NO ₉		99%(HPLC)		2-8°C	58002-61	1 mg
Glucosylceramide(9-Me d18:24E, 8E-C16h:0) from Hen of the Woods(Maitake)		C ₄₁ H ₇₇ NO ₉		99%(HPLC)		2-8°C	58011-54	5 mg
Glucosylceramide(9-Me d18:24E, 8E-C17h:0) from Hen of the Woods(Maitake)		C ₄₂ H ₇₉ NO ₉		99%(HPLC)		2-8°C	58008-01	1 mg
Glucosylceramide(9-Me d18:24E, 8E-C18h:0) from Hen of the Woods(Maitake)		C ₄₃ H ₈₁ NO ₉		99%(HPLC)		2-8°C	58009-91	1 mg

Glycosylceramides from Tamogitake



Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
9-Me d18:24E, 8E -C15h:0 Glucosylceramide, from Tamogitake		C ₄₀ H ₇₅ NO ₉	714.02	99% (HPLC)		2-8°C	Inquire	
Glucosylceramide(9-Me d18:24E,8E-C16h:0) from Tamogitake		C ₄₁ H ₇₇ NO ₉		99%(HPLC)		2-8°C	58012-44	5 mg
9-Me d18:24E, 8E -C17h:0 Glucosylceramide, from Tamogitake		C ₄₂ H ₇₉ NO ₉	742.08	99% (HPLC)		2-8°C	Inquire	
9-Me d18:24E, 8E -C18h:0 Glucosylceramide, from Tamogitake		C ₄₃ H ₈₁ NO ₉	756.10	99% (HPLC)		2-8°C	58013-21	1 mg

Phospholipids from Milk

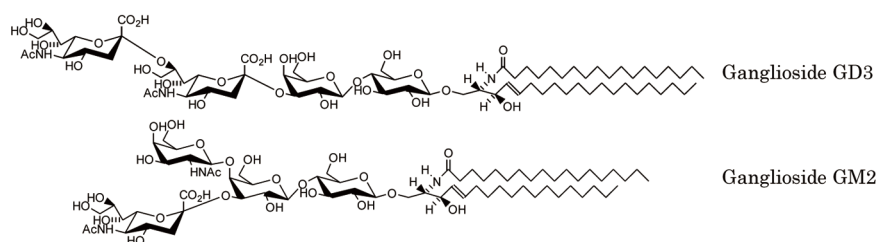


Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Sphingomyelin, from Milk (Sphingomyelin mix.)				99%(TLC)		-20°C	57320-76 57320-34	20 mg 100 mg
Phosphatidylcholine from Milk (Phosphatidylcholine mix.)				98%(TLC)		-20°C	57907-06	10 mg
Phosphatidylethanolamine from Milk (Phosphatidylethanolamine mix.)				98%(TLC)		-20°C	57908-96	10 mg
Phosphatidylinositol from Milk (Phosphatidylinositol mix.)				98%(TLC)		-20°C	57909-86	10 mg
Phosphatidylserine from Milk (Phosphatidylserine mix.)				98%(TLC)		-20°C	57910-04	10 mg
Lactosyl phosphatidylethanolamine, from Milk (Lactosyl phosphatidylethanolamine mix.)				98%(TLC)		-20°C	Inquire	5 mg

Phospholipids from Egg Yolk

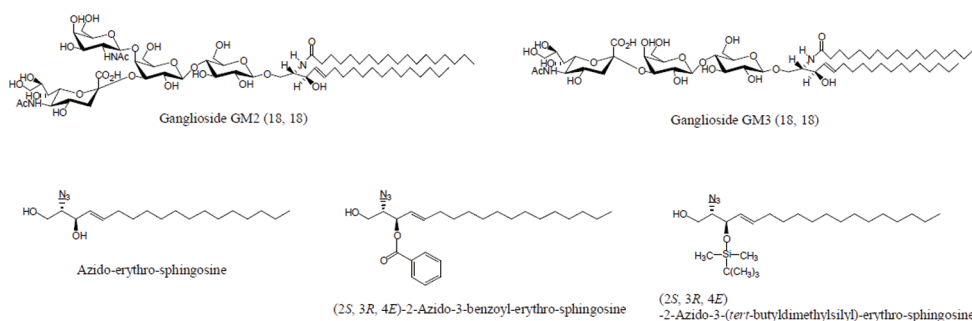
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Sphingomyelin, from Egg yolk (Sphingomyelin mix.)				99%(TLC)		-20°C	60570-64	20 mg
Sphingomyelin, from Egg yolk (Sphingomyelin mix.)				98%(TLC)		-20°C	60571-41	1 g

Ganglioside from Milk



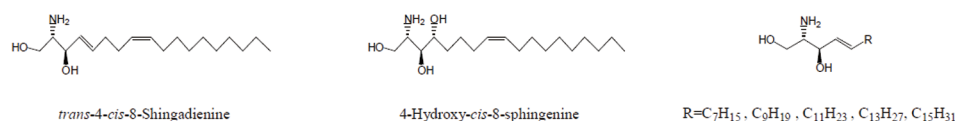
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Ganglioside GM3						-20°C	57323-04	5 mg
Ganglioside GD3, ammonium salt						-20°C	57324-94	5 mg

Gangliosides (Synthetic)



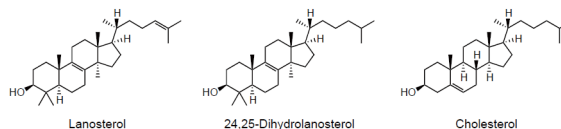
Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Ganglioside GM2 (18, 18)	127663-77-8	C ₆₇ H ₁₂₁ N ₃ O ₂₆	1384.68			-20°C	60572-44	0.2 mg
Ganglioside GM3 (18, 2)	11545-33-6	C ₄₃ H ₇₆ N ₂ O ₂₁	957.06			-20°C	60573-34	0.2 mg
Ganglioside GM3 (18, 8)		C ₄₉ H ₈₈ N ₂ O ₂₁	1041.22			-20°C	57315-14	0.2 mg
Ganglioside GM3 (18, 12)		C ₅₃ H ₉₆ N ₂ O ₂₁	1097.33			-20°C	60574-24	0.2 mg
Ganglioside GM3 (18, 16)	138749-26-5	C ₅₇ H ₁₀₄ N ₂ O ₂₁	1153.44			-20°C	57316-04	0.2 mg
Ganglioside GM3 (18, 18)	20237-00-7	C ₅₉ H ₁₀₈ N ₂ O ₂₁	1181.49			-20°C	57317-94	0.2 mg
Ganglioside GM3 (18, 24)	98460-64-4	C ₆₅ H ₁₂₀ N ₂ O ₂₁	1265.65			-20°C	57476-14	0.2 mg
Azido-erythro-sphingosine	103348-49-8	C ₁₈ H ₃₅ N ₃ O ₂	325.49	99%(TLC)		-20°C	57477-04 57477-46 57477-75	50 mg 100 mg 500 mg
(2S, 3R, 4E)-2-Azido-3-benzoyl-erythro-sphingosine	103348-50-1	C ₂₅ H ₃₉ N ₃ O ₃	429.60	99%(TLC)		-20°C	60575-14 60575-56	10 mg 100 mg
(2S, 3R, 4E)-2-Azido-3-(<i>tert</i> -butyldimethylsilyl)-erythro-sphingosine	114299-64-8	C ₂₄ H ₄₉ N ₃ O ₂ Si	439.75	99%(TLC)		-20°C	60576-04 60576-46	10 mg 100 mg

Sphingoid Bases



Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
<i>trans</i> -4- <i>cis</i> -8-Sphingadienine	41679-33-8	C ₁₈ H ₃₅ NO ₂	297.48	98%(HPLC)		-20°C	62158-11 62158-24	1 mg 5 mg
4-Hydroxy- <i>cis</i> -8-sphingenine	218786-92-6	C ₁₈ H ₃₇ NO ₃	315.49	98%(HPLC)		-20°C	62159-01 62159-14	1 mg 5 mg
C12-Sphingosine	128427-86-1	C ₁₂ H ₂₅ NO ₂	215.33	99% (HPLC)		-20°C	62173-14	10 mg
C14-Sphingosine	24558-60-9	C ₁₄ H ₂₉ NO ₂	243.39	99% (HPLC)		-20°C	62174-04	10 mg
C16-Sphingosine	6982-09-8	C ₁₆ H ₃₃ NO ₂	271.44	99% (HPLC)		-20°C	62175-94	10 mg
C18-Sphingosine	123-78-4	C ₁₈ H ₃₇ NO ₂	299.49	99% (HPLC)		-20°C	62176-42	25 mg
C20-Sphingosine	6918-49-6	C ₂₀ H ₄₁ NO ₂	327.55	99% (HPLC)		-20°C	62177-74	10 mg

Steroids



Product Name	CAS No.	Formula	M.W.	Purity	Grade	Storage	Product No.	PKG Size
Lanosterol	79-63-0	C ₃₀ H ₅₀ O	426.72	99.5% (HPLC)		-20°C	62166-14 62166-56	5 mg 10 mg
24,25-Dihydrolanosterol	911660-54-3	C ₃₀ H ₅₂ O	428.73	99.5% (HPLC)		-20°C	62161-64 62161-06	5 mg 10 mg
Cholesterol	57-88-5	C ₂₇ H ₄₆ O	386.65	99.5% (HPLC)		-20°C	62160-74 62160-61	100 mg 1 g

Plant Extract Standards Produced by TOKIWA Phytochemical Co., Ltd.

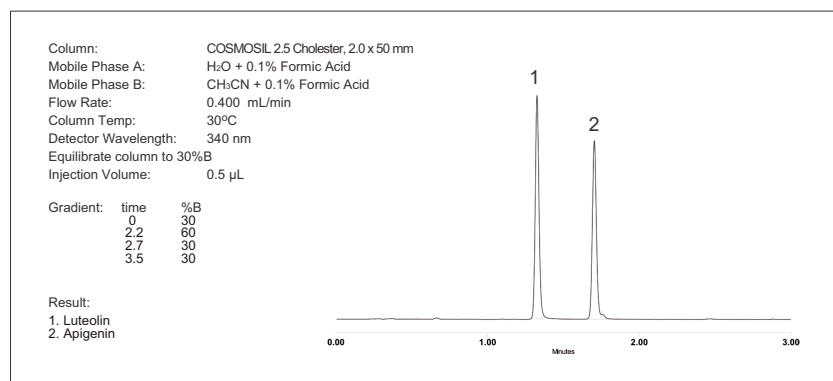
Product Name	MW	Purity	CAS.No.	Formula	Storage	Code No.	PKG Size
Arctiin	534.56	98%	20362-31-6	C ₂₇ H ₃₄ O ₁₁	4°C	P2903	10 mg
Bilobalide	326.3	98%	33570-04-6	C ₁₅ H ₁₈ O ₈	4°C	P2307	10 mg
Bisdemethoxycurcumin	308.33	98%	33171-05-0	C ₁₉ H ₁₆ O ₄	2-10°C	P2928	10 mg
Calycosin 7-o-Glucoside	446.4	98%	20633-67-4	C ₂₂ H ₂₂ O ₁₀	4°C	P2246	10 mg
(+)-Catechin	290.27	98%	88191-48-4	C ₁₅ H ₁₄ O ₆	4°C	P2221	10 mg
Coptisine Chloride	355.78	98%	6020-18-4	C ₁₉ H ₁₄ ClNO ₄	-20°C	P2809	10 mg
Corosolic acid	472.71	98%	4547-24-4	C ₃₀ H ₄₈ O ₄	4°C	P2302	10 mg
Cryptochlorogenic acid	354.31	98%	905-99-7	C ₁₆ H ₁₈ O ₉	-20°C	P2914	10 mg
Curcumin	368.38	98%	458-37-4	C ₂₁ H ₂₀ O ₆	2-10°C	P2927	10 mg
Cyanidin 3-(2G-glucosylrutinoside) chloride	793.12	97%	55028-57-4	C ₃₃ H ₄₁ O ₂₀ Cl	-20°C	P2114	5 mg
Cyanidin 3-arabinoside chloride	454.81	95%	57186-11-5	C ₂₀ H ₁₉ O ₁₀ Cl	-20°C	P2130	5 mg
Cyanidin 3-galactoside chloride	484.84	98%	27661-36-5	C ₂₁ H ₂₁ O ₁₁ Cl	-20°C	P2116	5 mg
Cyanidin 3-glucoside chloride	484.84	98%	7084-24-4	C ₂₁ H ₂₁ O ₁₁ Cl	-20°C	P2102	5 mg
						P2112	10 mg
Cyanidin 3-rutinoside chloride	630.98	98%	18719-76-1	C ₂₇ H ₃₁ O ₁₅ Cl	-20°C	P2107	10 mg
Cyanidin 3-sambubioside chloride	616.96	98%	33012-73-6	C ₂₆ H ₂₉ O ₁₅ Cl	-20°C	P2128	5 mg
Cyanidin 3-sambubioside-5-glucoside chloride	779.1	98%	53925-33-0	C ₃₂ H ₃₉ O ₂₀ Cl	-20°C	P2127	5 mg
Cyanidin 3-sophoroside chloride	646.98	98%	38820-68-7	C ₂₇ H ₃₁ O ₁₆ Cl	-20°C	P2113	5 mg
						P2135	10 mg
Cyanidin chloride	322.7	98%	528-58-5	C ₁₅ H ₁₁ O ₆ Cl	4°C	P2109	5 mg
Daidzin	416.38	98%	552-66-9	C ₂₁ H ₂₀ O ₉	4°C	P2211	10 mg
Deacylgymnemic acid	682.84	98%	121686-42-8	C ₃₆ H ₅₈ O ₁₂	2-10°C	P2507	10 mg
Delphinidin 3,5-diglucoside chloride	662.98	98%	17670-06-3	C ₂₇ H ₃₁ O ₁₇ Cl	-20°C	P2126	5 mg
Delphinidin 3-arabinoside chloride	470.81	95%	28500-01-8	C ₂₀ H ₁₉ O ₁₁ Cl	-20°C	P2129	5 mg
Delphinidin 3-galactoside chloride	500.84	98%	68852-84-6	C ₂₁ H ₂₁ O ₁₂ Cl	-20°C	P2115	5 mg
Delphinidin 3-glucoside chloride	500.84	98%	6906-38-3	C ₂₁ H ₂₁ O ₁₂ Cl	-20°C	P2101	5 mg
						P2111	10 mg
Delphinidin 3-rutinoside chloride	646.98	98%	15674-58-5	C ₂₇ H ₃₁ O ₁₆ Cl	-20°C	P2106	5 mg
						P2134	10 mg
Delphinidin 3-sambubioside chloride	632.95	98%	53158-73-9	C ₂₆ H ₂₉ O ₁₆ Cl	-20°C	P2125	5 mg
Delphinidin 3-sambubioside-5-glucoside chloride	795.1	98%	36415-91-5	C ₃₂ H ₃₉ O ₂₁ Cl	-20°C	P2124	5 mg
Delphinidin chloride	338.7	98%	528-53-0	C ₁₅ H ₁₁ O ₇ Cl	4°C	P2108	5 mg
Demethoxycurcumin	338.35	98%	22608-11-3	C ₂₀ H ₁₈ O ₅	2-10°C	P2929	10 mg
5,7-Dimethoxyflavone	282.3	98%	21392-57-4	C ₁₇ H ₁₄ O ₄	4°C	P2237	10 mg
Echinacoside	786.73	98%	8284-37-3	C ₃₅ H ₄₆ O ₂₀	4°C	P2906	5 mg
(-)-Epicatechin	290.27	98%	490-46-0	C ₁₅ H ₁₄ O ₆	4°C	P2222	10 mg
(-)-Epicatechin 3-(3"-O-methyl)gallate	456.4	98%	83104-86-3	C ₂₃ H ₂₀ O ₁₀	-20°C	P2233	1 mg
						P2234	5 mg
(-)-Epicatechin gallate	442.37	98%	1257-08-5	C ₂₂ H ₁₈ O ₁₀	4°C	P2224	10 mg
(-)-Epigallocatechin	306.27	98%	970-74-1	C ₁₅ H ₁₄ O ₇	4°C	P2223	10 mg
(-)-Epigallocatechin 3-(3"-O-methyl)	472.4	98%	83104-87-4	C ₂₃ H ₂₀ O ₁₁	-20°C	P2226	1 mg
						P2229	5 mg
(-)-Epigallocatechin 3-O-(3"-O-methyl) gallate	472.4	98%	83104-87-4	C ₂₃ H ₂₀ O ₁₁	-20°C	P2250	10 mg
(-)-Epigallocatechin gallate	458.37	98%	989-51-5	C ₂₂ H ₁₈ O ₁₁	4°C	P2225	10 mg
(-)-Galocatechin 3-O-(3"-O-methyl) gallate					-20°C	P2252	1 mg
						P2251	5 mg
Ganoderic acid A	516.67	98%	81907-62-2	C ₃₀ H ₄₄ O ₇	2-10°C	P2301	5 mg
Geniposide	388.37	98%	24512-63-8	C ₁₇ H ₂₄ O ₁₀	4°C	P2902	10 mg
Genistein	270.23	98%	446-72-0	C ₁₅ H ₁₀ O ₅	4°C	P2216	10 mg
10-Gingerol	350.49	98%	23513-15-7	C ₂₁ H ₃₄ O ₄	-20°C	P2910	10 mg
6-Gingerol	294.39	98%	23513-14-6	C ₁₇ H ₂₆ O ₄	-20°C	P2908	10 mg
8-Gingerol	322.44	98%	23513-08-8	C ₁₉ H ₃₀ O ₄	-20°C	P2909	10 mg
Ginkgolide A	408.4	98%	15291-75-5	C ₂₀ H ₂₄ O ₉	4°C	P2308	10 mg
Ginkgolide B	424.4	98%	15291-77-7	C ₂₀ H ₂₄ O ₁₀	4°C	P2309	10 mg
Ginkgolide C	440.4	98%	15291-76-6	C ₂₀ H ₂₄ O ₁₁	4°C	P2310	10 mg
18β-Glycyrrhetic acid	470.69	98%	471-53-4	C ₃₀ H ₄₆ O ₄	2-10°C	P2305	10 mg
						P2306	50 mg
Glycyrrhizic acid (Glycyrrhizin)	822.94	98%	1405-86-3	C ₄₂ H ₆₂ O ₁₆	2-10°C	P2501	10 mg
						P2504	100 mg
Hesperidin	610.56	98%	520-26-3	C ₂₈ H ₃₄ O ₁₅	4°C	P2243	10 mg
6-Hydroxygenistein 6,7-Diglucoside	610.52	98%		C ₂₇ H ₃₀ O ₁₆	2-10°C	P2206	5 mg
Hyperoside	464.38	95%	482-36-0	C ₂₁ H ₂₀ O ₁₂	4°C	P2202	10 mg
Hyperoside [Quercetin-3-galactoside]	464.38	98%	482-36-0	C ₂₁ H ₂₀ O ₁₂	4°C	P2218	10 mg
Isoacteoside	624.59	98%	61303-13-7	C ₂₆ H ₃₈ O ₁₅	4°C	P2907	5 mg

Product Name	MW	Purity	CAS.No.	Formula	Storage	Code No.	PKG Size
Isochlorogenic acid A	516.45	98%	2450-53-5	C ₂₅ H ₂₄ O ₁₂	-20°C	P2920	5 mg
Isochlorogenic acid B	516.45	98%	14534-61-3	C ₂₅ H ₂₄ O ₁₂	-20°C	P2921	5 mg
Isochlorogenic acid C	516.45	98%	32451-88-0	C ₂₅ H ₂₄ O ₁₂	-20°C	P2922	5 mg
Isopteropodine <Uncarine E>	368.43	98%	5171-37-9	C ₂₁ H ₂₄ N ₂ O ₄	-20°C	P2802	5 mg
Isoquercitrin	464.38	95%	482-35-9	C ₂₁ H ₂₀ O ₁₂	4°C	P2203	10 mg
Isoquercitrin [Quercetin-3-glucoside]	464.38	98%	482-35-9	C ₂₁ H ₂₀ O ₁₂	4°C	P2219	10 mg
Kaempferol 3-Glucoside	448.38	98%	480-10-4	C ₂₁ H ₂₀ O ₁₁	4°C	P2247	5 mg
Licochalcone A	338.4	98%	58749-22-7	C ₂₁ H ₂₂ O ₄	-20°C	P2210	10 mg
Licoricesaponin G2	838.94	98%		C ₄₂ H ₆₂ O ₁₇	2-10°C	P2502	10 mg
Licoricesaponin H2	822.94	98%	135815-61-1	C ₄₂ H ₆₂ O ₁₆	2-10°C	P2503	10 mg
Liquiritigenin	256.25	98%	578-86-9	C ₁₅ H ₁₂ O ₄	4°C	P2241	10 mg
Liquiritin	418.39	98%	551-15-5	C ₂₁ H ₂₂ O ₉	4°C	P2240	10 mg
Luteolin	286.24	98%	491-70-3	C ₁₅ H ₁₀ O ₆	4°C	P2220	10 mg
Magnoflorine iodide	469.31	98%	4277-43-4	C ₂₀ H ₂₄ NO ₄ I	-20°C	P2808	10 mg
Malvidin 3-arabinoside chloride	498.86	95%	28500-04-1	C ₂₂ H ₂₃ O ₁₁ Cl	-20°C	P2133	5 mg
Malvidin 3-galactoside chloride	528.89	97%	30113-37-2	C ₂₃ H ₂₅ O ₁₂ Cl	-20°C	P2119	5 mg
Malvidin 3-glucoside chloride	528.89	98%	7228-78-6	C ₂₃ H ₂₅ O ₁₂ Cl	-20°C	P2105	5 mg
Malvidin chloride	366.75	98%	643-84-5	C ₁₇ H ₁₅ O ₇ Cl	4°C	P2123	5 mg
Mangiferin	422.34	98%	4773-96-0	C ₁₉ H ₁₈ O ₁₁	2-10°C	P2926	5 mg
Mitraphylline	368.43	98%	509-80-8	C ₂₁ H ₂₄ N ₂ O ₄	-20°C	P2803	10 mg
Narirutin	580.53	98%	14259-46-2	C ₂₇ H ₃₂ O ₁₄	4°C	P2244	10 mg
Neochlorogenic acid	354.31	98%	906-33-2	C ₁₆ H ₁₈ O ₉	-20°C	P2915	10 mg
Neohesperidin	610.56	98%	13241-33-3	C ₂₈ H ₃₄ O ₁₅	4°C	P2245	10 mg
Pelargonidin 3-O-[6-O-(E)-caffeoyl-2-O-β-D-glucopyranosyl]- (1→2)-β-D-glucopyranoside-5-O-(β-D-glucopyranoside)	919.82	95%		C ₄₂ H ₄₇ O ₂₃	-20°C	P2121	5 mg
3,5,7,3',4'-Pentamethoxyflavone	372.37	98%	1247-97-8	C ₂₀ H ₂₀ O ₇	4°C	P2235	10 mg
Peonidin 3-arabinoside chloride	468.84	95%	27214-74-0	C ₂₁ H ₂₁ O ₁₀ Cl	-20°C	P2132	5 mg
Peonidin 3-galactoside chloride	498.87	98%	28148-89-2	C ₂₂ H ₂₃ O ₁₁ Cl	-20°C	P2118	5 mg
Peonidin 3-glucoside chloride	498.87	98%	6906-39-4	C ₂₂ H ₂₃ O ₁₁ Cl	-20°C	P2104	5 mg
Peonidin chloride	336.73	98%	134-01-0	C ₁₆ H ₁₃ O ₆ Cl	4°C	P2122	5 mg
Petunidin 3-arabinoside chloride	484.84	95%	28500-03-0	C ₂₁ H ₂₁ O ₁₁ Cl	-20°C	P2131	5 mg
Petunidin 3-galactoside chloride	514.87	98%	28500-02-9	C ₂₂ H ₂₃ O ₁₂ Cl	-20°C	P2117	5 mg
Petunidin 3-glucoside chloride	514.87	98%	6988-81-4	C ₂₂ H ₂₃ O ₁₂ Cl	-20°C	P2103	5 mg
Petunidin chloride	352.73	98%	1429-30-7	C ₁₆ H ₁₃ O ₇ Cl	4°C	P2110	5 mg
(±)-Praeruptorin A	386.4	98%	73069-25-7	C ₂₁ H ₂₂ O ₇	2-10°C	P2931	10 mg
Procyanidin B1	578.53	98%	20315-25-7	C ₃₀ H ₂₆ O ₁₂	-20°C	P2208	1 mg
						P2201	5 mg
						P2209	10 mg
Pteropodine <Uncarine C>	368.43	98%	5629-60-7	C ₂₁ H ₂₄ N ₂ O ₄	-20°C	P2801	5 mg
Quercetin 3,4'-diglucoside	626.53	98%	29125-80-2	C ₂₇ H ₃₀ O ₁₇	4°C	P2228	5 mg
Quercetin 3-O-[2"-O-b-D-Glucopyranosyl]-a-L-Rhamnopyranoside	610.52	95%		C ₂₇ H ₃₀ O ₁₆	4°C	P2249	5 mg
Quercetin 3-O-[2"-O-(6"-O-p-Coumaroyl)-b-D-Glucopyranosyl]- -a-L-Rhamnopyranoside	756.19	95%		C ₃₆ H ₃₆ O ₁₈	4°C	P2248	5 mg
Quercetin 4'-glucoside	464.38	98%	20229-56-5	C ₂₁ H ₂₀ O ₁₂	4°C	P2227	5 mg
Rhynchophylline	384.47	98%	76-66-4	C ₂₂ H ₂₈ N ₂ O ₄	-20°C	P2806	5 mg
SaikosaponinA	780.98	98%	20736-09-8	C ₄₂ H ₆₈ O ₁₃	4°C	P2508	10 mg
Sarsasapogenin	416.64	98%	126-19-2	C ₂₇ H ₄₄ O ₃	4°C	P2509	10 mg
6-Shogaol	276.37	98%	555-66-8	C ₁₇ H ₂₄ O ₃	-20°C	P2911	5 mg
Soyasapogenol A	474.73	98%	508-01-0	C ₃₀ H ₅₀ O ₃	4°C	P2303	10 mg
Soyasapogenol B	458.73	98%	595-15-3	C ₃₀ H ₅₀ O ₃	4°C	P2304	10 mg
Soyasaponin I	943.12	98%	51330-27-9	C ₄₈ H ₇₈ O ₁₈	4°C	P2505	10 mg
Soyasaponin V	959.13	98%	114590-20-4	C ₄₈ H ₇₈ O ₁₉	4°C	P2506	10 mg
Speciophylline (Uncarine D)	368.43	95%	4697-68-1	C ₂₁ H ₂₄ N ₂ O ₄	-20°C	P2804	1 mg
Swertiamarin	374.34	98%	17388-39-5	C ₁₆ H ₂₂ O ₁₀	2-10°C	P2930	10 mg
Tectoridin	462.41	98%	611-40-5	C ₂₂ H ₂₂ O ₁₁	2-10°C	P2204	10 mg
Tectorigenin	300.27	98%	548-77-6	C ₁₆ H ₁₂ O ₆	2-10°C	P2205	5 mg
Tectorigenin 7-o-xylosylglucoside	594.52	98%		C ₂₇ H ₃₀ O ₁₅	2-10°C	P2207	10 mg
3,5,7,4'-Tetramethoxyflavone	342.34	98%		C ₁₉ H ₁₈ O ₆	4°C	P2239	5 mg
Theaflavin	564.49	98%	4670-05-7	C ₂₈ H ₂₄ O ₁₂	-20°C	P2932	5 mg
3,5,7-Trimethoxyflavone	312.32	98%	26964-29-4	C ₁₈ H ₁₆ O ₅	4°C	P2238	5 mg
5,7,4'-Trimethoxyflavone	312.32	98%	5631-70-9	C ₁₈ H ₁₆ O ₅	4°C	P2236	10 mg
Uncarine F	368.43	95%	14019-66-0	C ₂₁ H ₂₄ N ₂ O ₄	-20°C	P2805	1 mg
Verbascoside [Acteoside]	624.59	98%	61276-17-3	C ₂₉ H ₃₆ O ₁₅	4°C	P2901	5 mg
Withaferin A	470.61	98%	5119-48-2	C ₂₈ H ₃₈ O ₆	4°C	P2601	5 mg
Xanthohumol	354.4	98%	569-83-5	C ₂₁ H ₂₂ O ₅	4°C	P2217	5 mg

Plant Extract Standards *Produced by LKT Laboratories, Inc.*

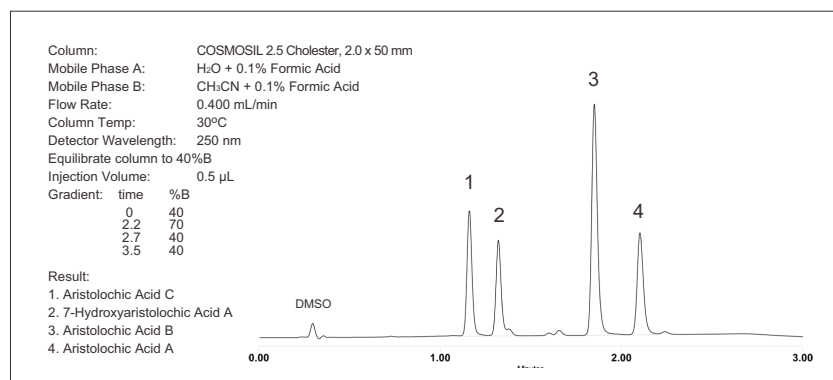
Relevant standards for your natural product extracts are available from LKT Laboratories, Inc.

Chamomile Flavonoids



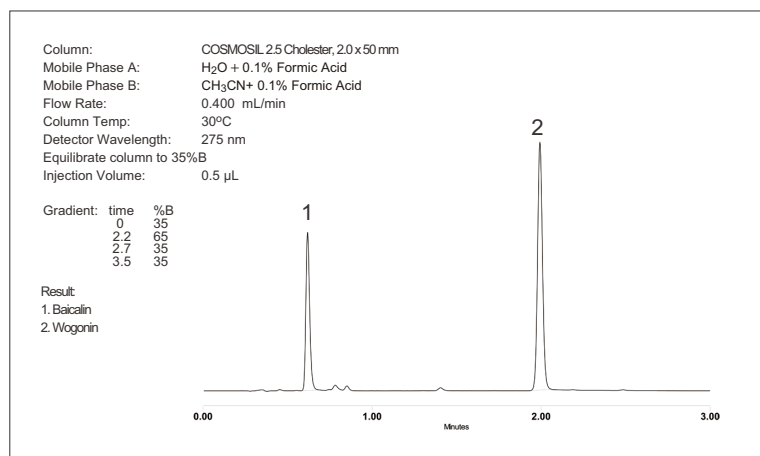
Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
Apigenin	520-36-5	270.24	≥98%	4-15°C	A6234	5 mg 25 mg 100 mg	AS101
Luteolin	491-70-3	286.24	≥95%	2-8°C	L8377	100 mg 500 mg	

Aristolochic Acids



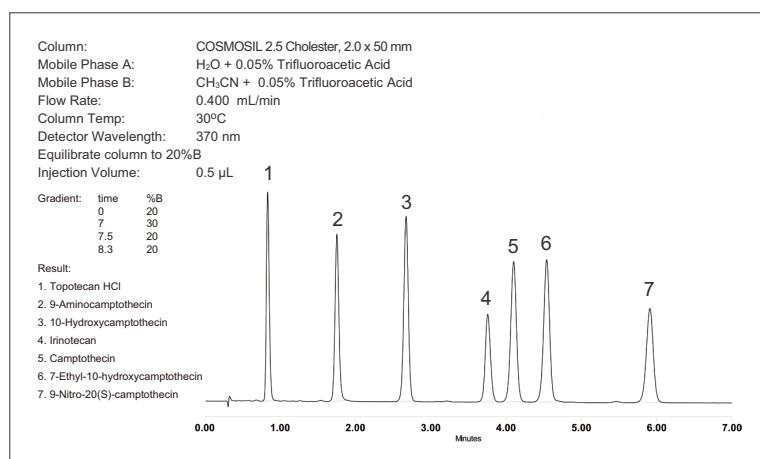
Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
Aristolochic Acid A	313-67-7	341.27	95%	-20°C	A6932	1 mg 5 mg 10 mg	AS102
Aristolochic Acid B		311.25	≥95%	-20°C	A6933	1 mg	
Aristolochic Acid C		327.25	≥94%	-20°C	A6934	1 mg 5 mg 10 mg	
7-Hydroxyaristolochic Acid A	475-80-9	357.27	≥95%	-20°C	H9620	1 mg 5 mg 10 mg	

Skullcap Standards



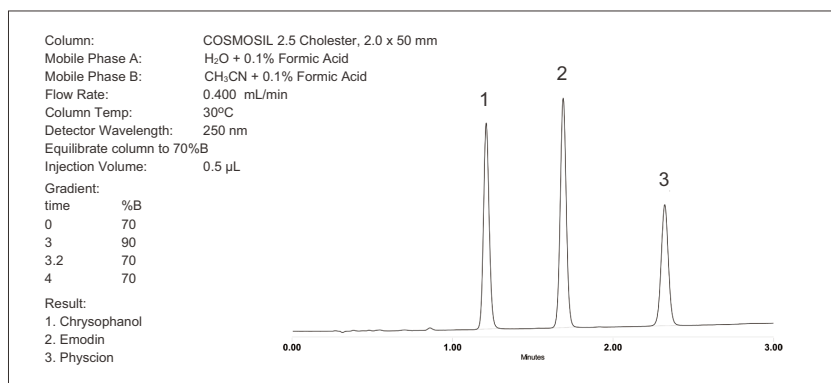
Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
Baicalin	21967-41-9	446.36	95%	-20°C	B0133	10 mg 25 mg 100 mg	AS103
Wogonin	632-85-9	284.26		2-8°C	W5726	5 mg 10 mg 25 mg	

Camptothecins



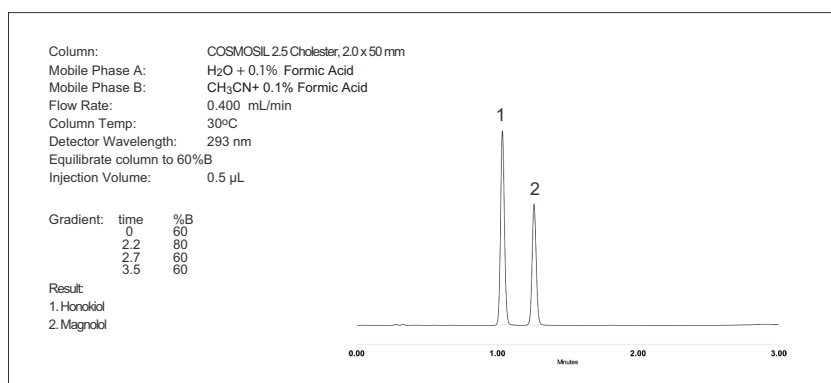
Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
Camptothecin, 9-amino (9-Aminocamptothecin)	91421-43-1	363.37	≥98%	-20°C	C0152	1 mg 10 mg 25 mg 50 mg	AS104
Camptothecin	7689-03-4	348.35	≥98%	-20°C	C0150	25 mg 100 mg 250 mg 500 mg	
7-Ethyl-10-hydroxycamptothecin (Camptothecin, 7-ethyl-10-hydroxy (SN-38))	86639-52-3	392.40	≥98%	-20°C	C0154	10 mg 25 mg 50 mg 100 mg 100 mg	
Irinotecan	97682-44-5	586.68	≥98%	2-8°C	I6932	5 mg 10 mg 25 mg 100 mg 250 mg	
9-Nitro-20(S)-camptothecin (Camptothecin, 9-nitro-20(S))	91421-42-0	393.35	≥98%	-20°C	C0156	25 mg 50 mg 100 mg	
Topotecan Hydrochloride	119413-54-6	457.90	≥98%	2-8°C	T5761	1 mg 5 mg 10 mg 50 mg	

Buckthorn



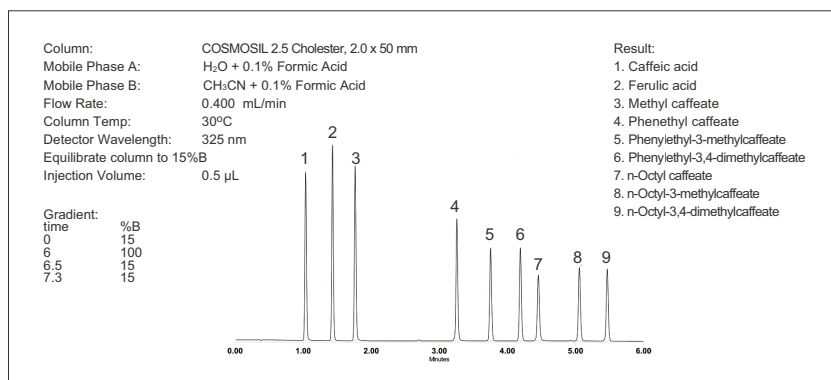
Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
Chrysophanol	481-74-3	254.24	≥98%	2-8°C	C2970	10 mg 25 mg 100 mg	AS105
Emodin	518-82-1	270.24			E5057	100 mg 250 mg	
Physcion	521-61-9	284.26	96%	2-8°C	P2995	10 mg 25 mg 100 mg	

Magnolia



Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
Honokiol	35354-74-6	266.33	≥98%	2-8°C	H5654	10 mg 25 mg 100 mg	AS106
Magnolol	528-43-8	266.34	≥98%	2-8°C	M0125	10 mg 25 mg 100 mg	

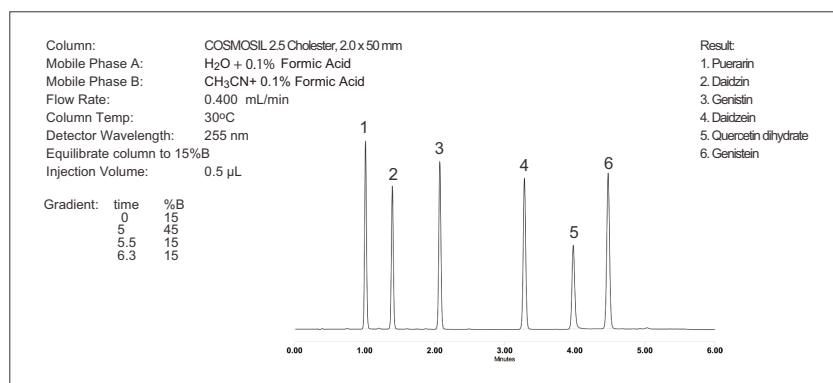
Caffeic Acid Esters



Caffeic Acid Esters (Continued)

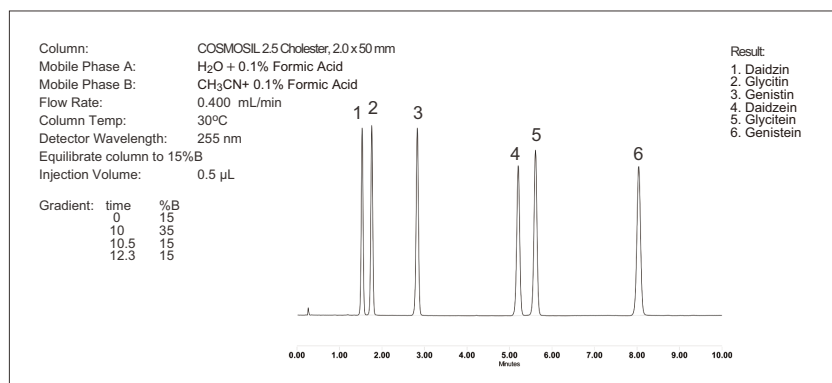
Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
Caffeic acid	331-39-5	180.16	≥98%		C0121	5 g	AS107
Ferulic acid	1135-24-6	194.18	≥98%		F1669	5 g	
Methyl caffeate	3843-74-1	194.19	≥98%	-20°C	M1560	50 mg 100 mg 500 mg	
Phenethyl caffeate	104594-70-9	284.31	≥98%	-20°C	P2400	50 mg 100 mg 500 mg	
Phenylethyl 3-methylcaffeate	71835-85-3	298.33	≥97%	2-8°C	P1917	50 mg 100 mg 500 mg	
Phenethyl dimethyl caffeate	14551-14-0	312.37	≥98%		P2410	50 mg 100 mg 500 mg	
n-Octyl Caffeate		292.37		2-8°C	O1176	5 mg 25 mg	
n-Octyl-3-methylcaffeate		306.40		2-8°C	O1178	5 mg 25 mg	
n-Octyl dimethylcaffeate (n-Octyl-3,4-Dimethylcaffeate)		320.42		2-8°C	O1177	5 mg 25 mg	

Kudzu Flavonoid



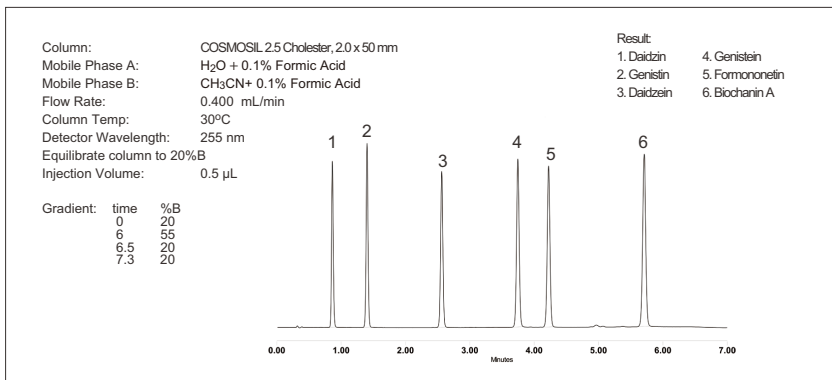
Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
Daidzein	486-66-8	254.24	97%		D0032	250 mg 1 g 5 g	AS108
Daidzin	552-66-9	416.38			D0033	1 mg 5 mg	
Genistein	446-72-0	270.24	≥98%	-20°C	G1652	100 mg 500 mg 1 g	
Genistin	529-59-9	432.38			G1653	1 mg 5 mg	
Puerarin, 99%	3681-99-0	416.38	≥98%	2-8°C	P8117	5 mg 10 mg 25 mg	
Quercetin dihydrate	6151-25-3	338.26	≥95%		Q8016	25 g	

Soy Isoflavones



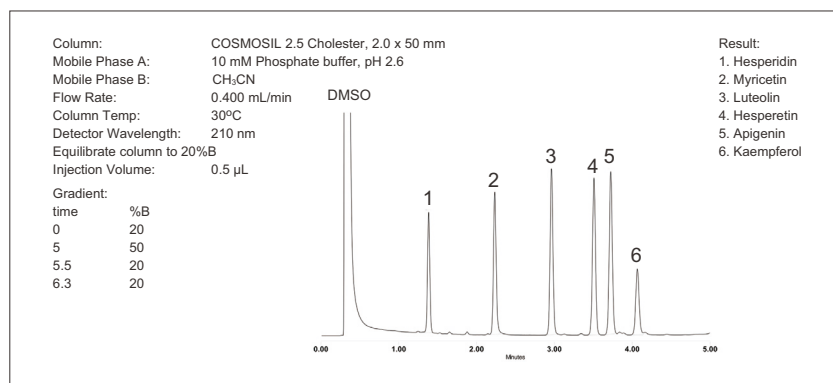
Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
Daidzein	486-66-8	254.24	97%		D0032	250 mg 1 g 5 g	AS109
Daidzin	552-66-9	416.38			D0033	1 mg 5 mg	
Genistein	446-72-0	270.24	≥98%	-20°C	G1652	100 mg 500 mg 1 g	
Genistin	529-59-9	432.38			G1653	1 mg 5 mg	
Glycitein	40957-83-3	284.26			G4798	5 mg 10 mg 25 mg	
Glycitin	40246-10-4	446.40			G4799	5 mg 25 mg	

Red Clover



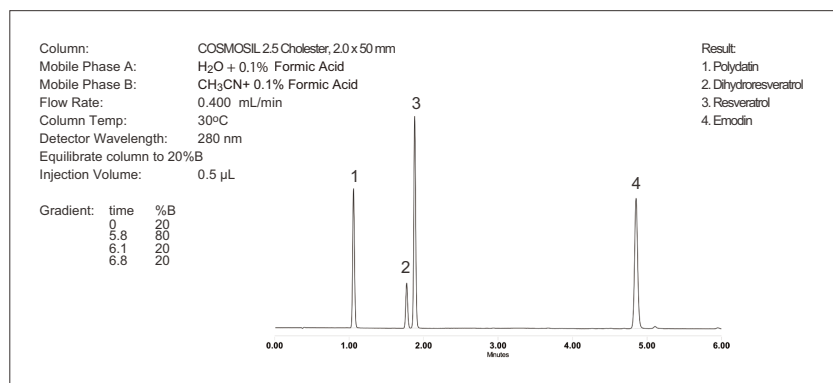
Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
Biochanin A	491-80-5	284.27	≥98%	2-8°C	B3358	100 mg 250 mg 1 g	AS110
Daidzein	486-66-8	254.24	97%		D0032	250 mg 1 g 5 g	
Daidzin	552-66-9	416.38			D0033	1 mg 5 mg	
Formononetin	485-72-3	268.26	≥90%		F5770	100 mg 500 mg 1 g	
Genistein	446-72-0	270.24	≥98%	-20°C	G1652	100 mg 500 mg 1 g	
Genistin	529-59-9	432.38			G1653	1 mg 5 mg	

Berry Flavonoids



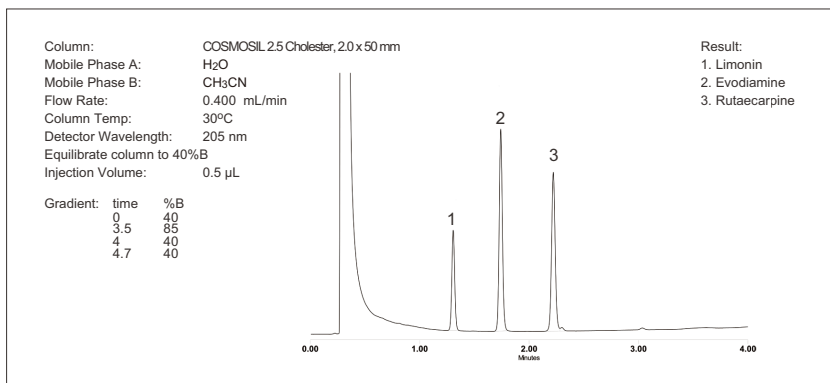
Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
Apigenin	520-36-5	270.24	≥98%	4-15°C	A6234	25 mg 100 mg	AS111
Hesperetin	520-33-2	302.28	≥95%		H1672	1 g 5 g 10 g 25 g 100 g	
Kaempferol, 95%	520-18-3	286.24	≥95%	-20°C	K0117	1 mg 5 mg 10 mg	
Luteolin	491-70-3	286.24	≥95%	2-8°C	L8377	100 mg 500 mg 1 g	
Myricetin	529-44-2	318.23	≥98%	2-8°C	M9367	10 mg 25 mg	

Grape Skin



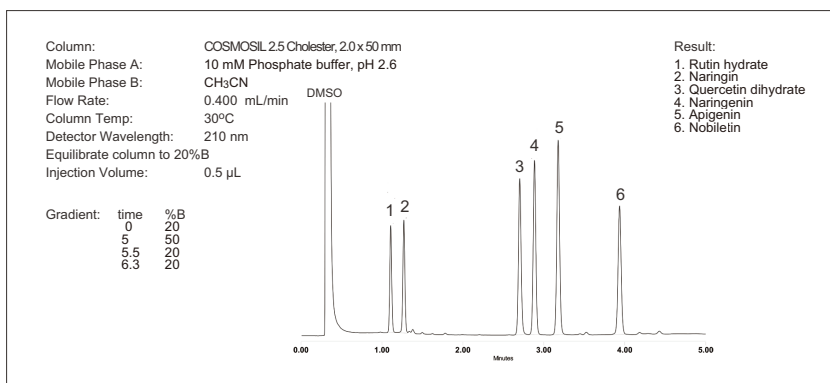
Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
a, b-Dihydroresveratrol	58436-28-5	230.26		-20°C	D3331	10 mg 25 mg 100 mg	AS112
Emodin	518-82-1	270.24			E5057	100 mg 250 mg 1 g	
Polydatin	65914-17-2	390.38	97%		P5845	250 mg 1 g	
Resveratrol	501-36-0	228.24	≥98%	-20°C	R1776	100 mg 500 mg	

Evodia



Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
Evodiamine	518-17-2	303.36		Room Temp.	E8657	100 mg 250 mg	AS113
Limonin	1180-71-8	470.52	≥98%	Room Temp.	L3550	50 mg 100 mg 500 mg	
Rutaecarpine	84-26-4	287.32	≥98%	2-8°C	R8178	10 mg 25 mg 100 mg	

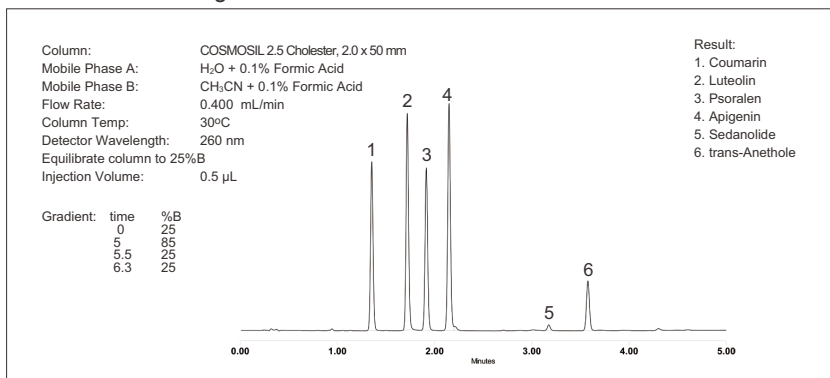
Citrus Flavonoids



Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
Apigenin	520-36-5	270.24	≥98%	4-15°C	A6234	5 mg 25 mg 100 mg	AS114
Naringenin	480-41-1	272.25	≥98%		N0068	5 g 10 g	
Naringin	10236-47-2	580.53	97%		N0069	25 g	
Nobiletin	478-01-3		≥97.5%		N5605	25 mg 100 mg	
Quercetin dihydrate	6151-25-3	338.26	≥95%		Q8016	25 g	
Rutin Hydrate	153-18-4	610.52	93%	Room Temp.	R8076	50 g	

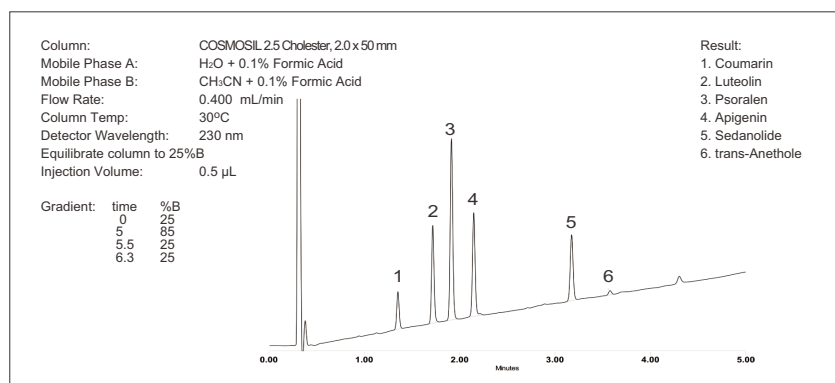
Celery

• Detector Wavelength: 260 nm



Celery (Continued)

• Detector Wavelength:230 nm



Product Name	Cas No.	M.W.	Purity	Storage	Product No.	PKG Size	KIT No.
trans-Anethole	4180-23-8	148.20	≥98%	Room Temp.	A5217	50ml	AS115
Apigenin	520-36-5	270.24	≥98%	4-15°C	A6234	5 mg 25 mg 100 mg	
Coumarin	91-64-5	146.14	≥98%		C5782	10g 50g	
Luteolin	491-70-3	286.24	≥95%	2-8°C	L8377	100 mg 500 mg 1 g	
Psoralen (Ficusin)	66-97-7	186.16		Room Temp.	P7358	10 mg 25 mg 100 mg	
Sedanolide	6415-59-4	194.13		-20°C	S1612	100 mg 500 mg 1 g	

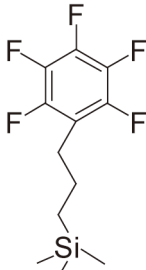
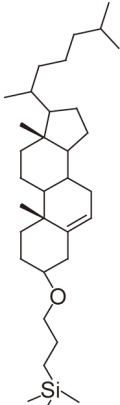
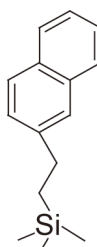
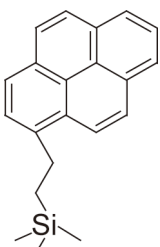
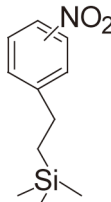
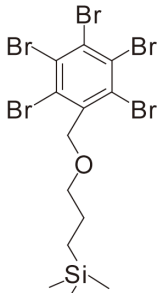
For more information on COSMOSIL 2.5Cholest, please visit our website at <http://www.nacalai.com>



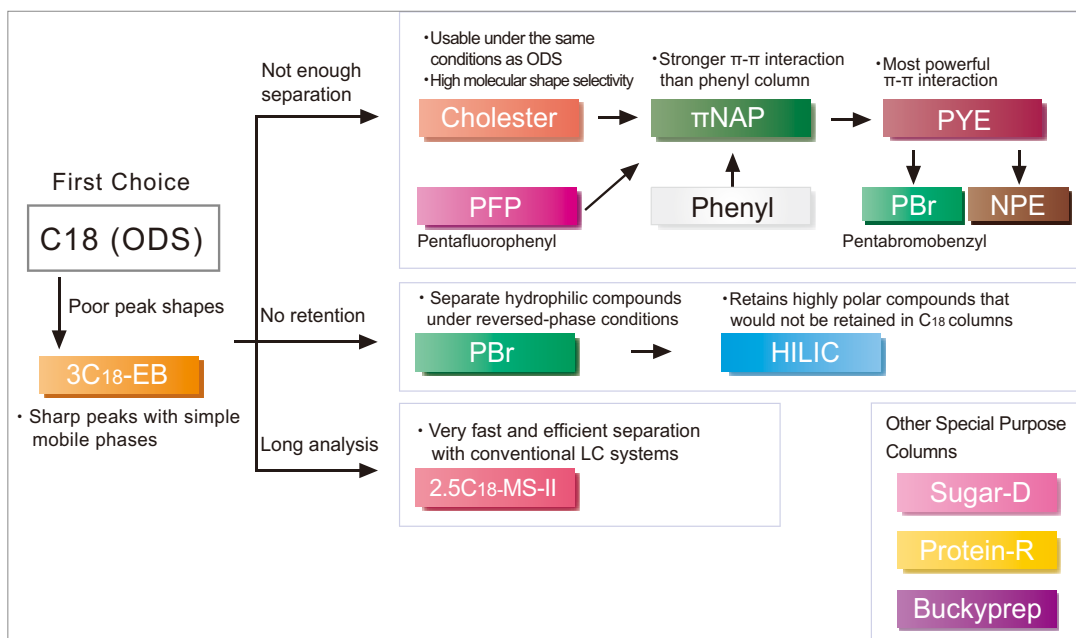
◆ Specialty Columns with Alternative Selectivity to C₁₈

Nacalai Tesque offers the following specialty columns with alternative selectivity to C₁₈ columns.

• Reversed Phase Specialty Columns

Product Name	PFP	Cholesteryl	PE-MS	πNAP	PYE	NPE	PBr
Stationary phase structure							
Stationary phase	Pentafluorophenyl group	Cholesteryl group	Phenylethyl group	Naphtylethyl group	Pyrenylethyl group	Nitophenylethyl group	Pentabromobenzyl group
Main interactions	Hydrophobic interaction π-π interaction Dipole-dipole interaction	Hydrophobic interaction Molecular shape selectivity	Hydrophobic interaction π-π interaction	Hydrophobic interaction π-π interaction	Hydrophobic interaction π-π interaction Dispersion force Molecular shape selectivity	Hydrophobic interaction π-π interaction Dipole-dipole interaction	Hydrophobic interaction Dispersion force
Features	Separation by dipole-dipole interactions.	- Usable under the same conditions as C₁₈ - High molecular shape selectivity	Weak π-π interaction	Stronger π-π interaction than phenyl column	Strongest π-π interaction	Strong dipole-dipole Interaction	- Separation by dispersion force - Separate hydrophilic compounds in reversed phase conditions.

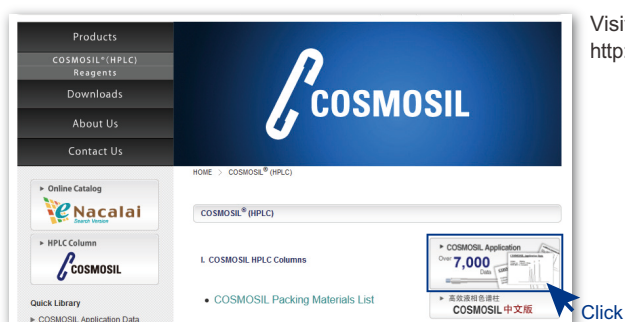
◆ COSMOSIL Selection Guide



COSMOSIL Applications

COSMOSIL has more than 7,000 applications using COSMOSIL columns. Setting optimal HPLC experimental parameters is an important process, and it requires experience and time. COSMOSIL Applications provide you with sample analysis conditions with widely used ODS columns and other specialty columns.

- Over 7,000 applications
- Easy to search



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Applications are searchable by

1. Sample Category
2. Sample Name
3. CAS No.
4. Application No.
5. Column Name
6. Particle Size

Category: (dropdown menu with options: Amino acids & derivatives, Peptides & Proteins, Nucleic acids & relative compounds, Drugs & related compounds, Antibiotics, Vitamins)

Column name: (dropdown menu with options: C18-EB, C18-MS-II, C18-AR-II, C18-PAQ, Cholesterol, mNap)

Sample Name: contains (Keyword search)

CAS number: (ex: 498-02-2)

Application No.: (ex: AP-1206)

Particle Size: (dropdown menu)

Result/Page: (dropdown menu)

Click

Search Result

COSMOSIL Application

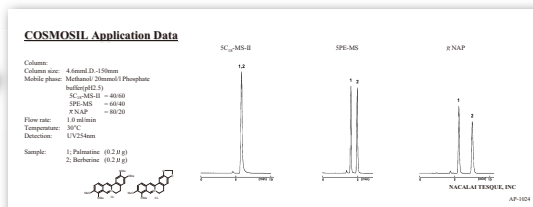
Search condition [Column=mNap]

[TOP] Results 24 (1-20) [Next]

Data No.	Data Name	Sample	Particle Size (μm)	Column	CAS No.
AP-1206	Dichlorophenol	2,3-Dichlorophenol	5	mNAP	576-24-9
		2,4-Dichlorophenol			120-83-2
		2,5-Dichlorophenol			583-78-8
		2,6-Dichlorophenol			87-65-0

Click

COSMOSIL Application



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