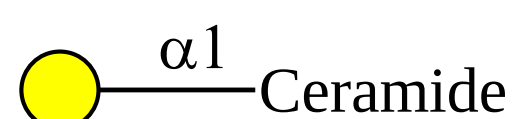
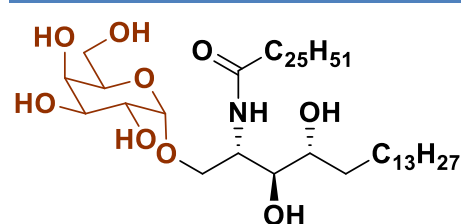




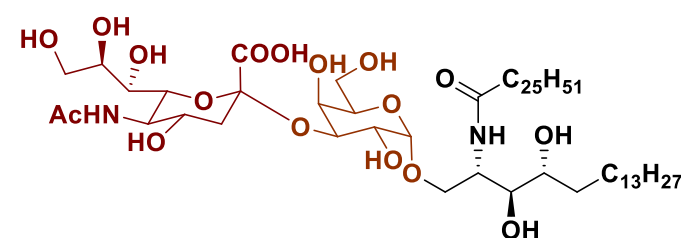
α -Galactosylceramide (α -GalCer) or the common name of KRN7000 was isolated from an extract of the Okinawan marine sponge *Agelas mauritianus*. The Alpha-GalCer structure consist of a galactose combined with a ceramide in an alpha-configuration. Alpha-GalCer is a specific ligand for human and mouse natural killer T (NKT) cells and KRN7000 exhibits potent anti-tumor activity with murine in vivo experiments including subcutaneous implanted model and metastatic models in the liver and lung. In the liver metastatic models, treatment with KRN7000 suppressed the growth of tumors and prolonged the survival term of the tumor-bearing mice. KRN7000 has been reported to show various immunological effects in infectious diseases, autoimmune disease and graft verse host disease in mice.

 α GalCer
GSL001 (2S,3S,4R)-1-O-(α -D-Galactopyranosyl)-N-hexacosanoyl-2-amino-1,3,4-octadecanetriol
 Synonym: α -GalCer, α -Galactosylceramide, KRN7000


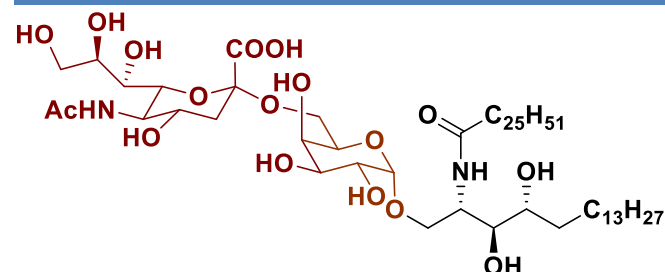
Chemical Formula:	C ₅₀ H ₉₉ NO ₉
Molecular Weight:	858.32
CAS No.:	158021-47-7
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

Selected References:

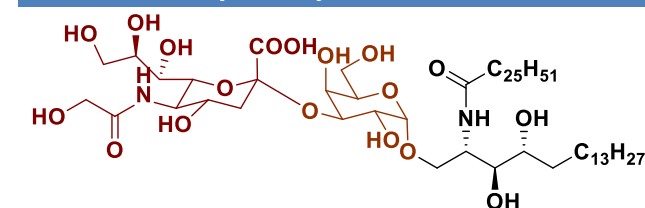
1. Aline Banchet-Cadeddu et.al "[The stimulating adventure of KRN 7000](#)" *Organic & Biomolecular Chemistry*, 9(9), 3080-3104 (2011)
2. Linda V Sinclair et. al "[Control of amino-acid transport by antigen receptors coordinates the metabolic reprogramming essential for T cell differentiation](#)" *Nature Immunology*, 14(5), 500-508 (2013)

GSL002 Neu5Ac α 2,3-D-Galactopyranosyl-N-hexacosanoyl-2-amino-1,3,4-octadecanetriol
 Synonym: Neu5Ac α 2,3-D-Galactosyl Ceramide


Chemical Formula:	C ₆₁ H ₁₁₆ N ₂ O ₁₇
Molecular Weight:	1149.60
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL003 Neu5Ac α 2,6-D-Galactopyranosyl-N-hexacosanoyl-2-amino-1,3,4-octadecanetriol
 Synonym: Neu5Ac α 2,6-D-Galactosyl Ceramide


Chemical Formula:	C ₆₁ H ₁₁₆ N ₂ O ₁₇
Molecular Weight:	1149.60
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL004 Neu5Gc α 2,3-D-Galactopyranosyl-N-hexacosanoyl-2-amino-1,3,4-octadecanetriol
 Synonym: Neu5Gc α 2,3-D-Galactosyl Ceramide


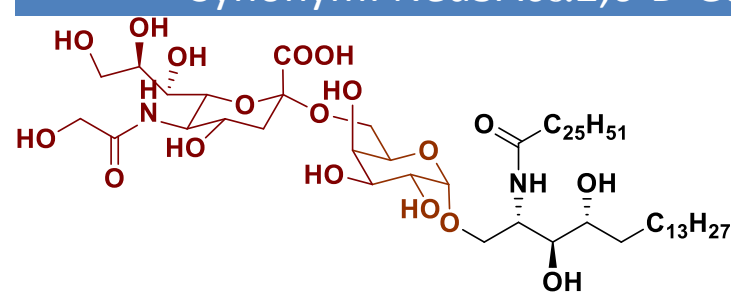
Chemical Formula:	C ₆₁ H ₁₁₆ N ₂ O ₁₈
Molecular Weight:	1165.60
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg





GSL005 Neu5Gc α 2,6-D-Galactopyranosyl-N-hexacosanoyl-2-amino-1,3,4-octadecanetriol

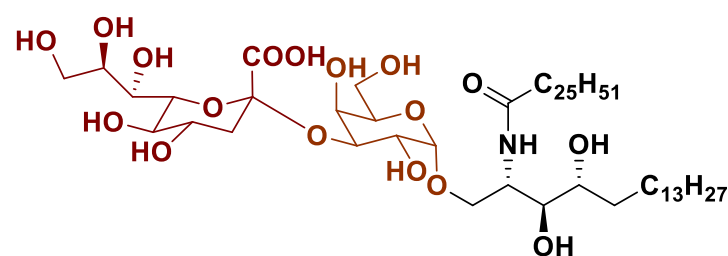
Synonym: Neu5Ac α 2,6-D-Galactosyl Ceramide



Chemical Formula:	C ₆₁ H ₁₁₆ N ₂ O ₁₈
Molecular Weight:	1165.60
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL006 KDN α 2,3-D-Galactopyranosyl-N-hexacosanoyl-2-amino-1,3,4-octadecanetriol

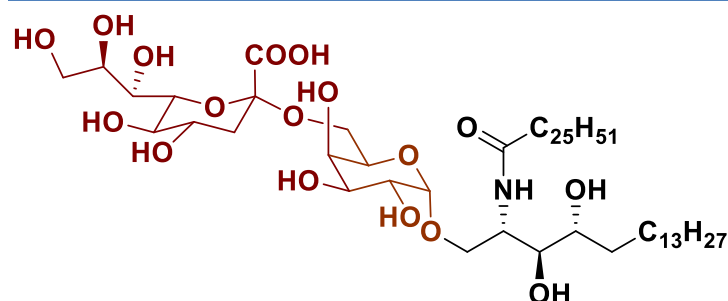
Synonym: KDN α 2,3-D-Galactosyl Ceramide



Chemical Formula:	C ₅₉ H ₁₁₃ NO ₁₇
Molecular Weight:	1108.54
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL006 KDN α 2,6-D-Galactopyranosyl-N-hexacosanoyl-2-amino-1,3,4-octadecanetriol

Synonym: KDN α 2,3-D-Galactosyl Ceramide



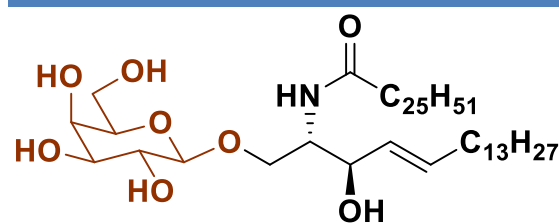
Chemical Formula:	C ₅₉ H ₁₁₃ NO ₁₇
Molecular Weight:	1108.54
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

Continued →



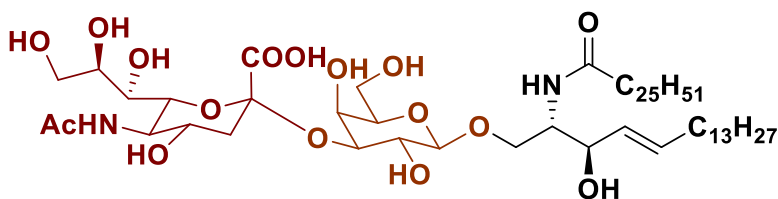


GSL101 (2S,3S,4R)-1-O-β-D-Galactopyranosyl-1,1'-N-hexacosanoyl-2'-hexacosamide-4'-octadecene-1',3'-diol
Synonym: β-GalCer, β-Galactosylceramide



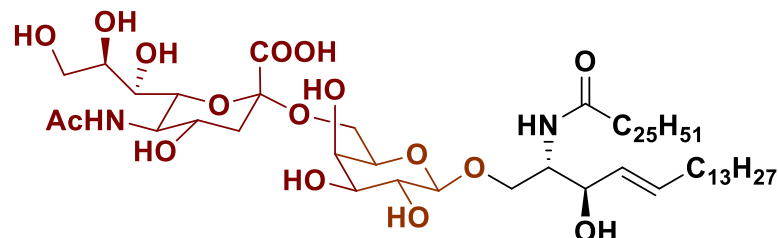
Chemical Formula:	C ₅₀ H ₉₇ NO ₈
Molecular Weight:	840.33
CAS No.:	148439-48-9
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL102 αNeu5Ac2,3-β-D-Galactopyranosyl-1,1'-N-hexacosanoyl-2'-hexacosamide-4'-octadecene-1',3'-diol
Synonym: GM4



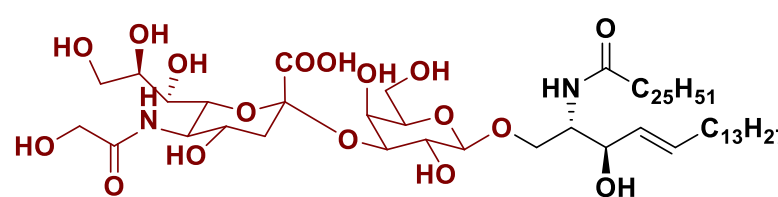
Chemical Formula:	C ₆₁ H ₁₁₄ N ₂ O ₁₆
Molecular Weight:	1131.58
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL103 αNeu5Ac2,6-β-D-Galactopyranosyl-1,1'-N-hexacosanoyl-2'-hexacosamide-4'-octadecene-1',3'-diol
Synonym: Neu5Acα2,6-D-Galactosyl Ceramide



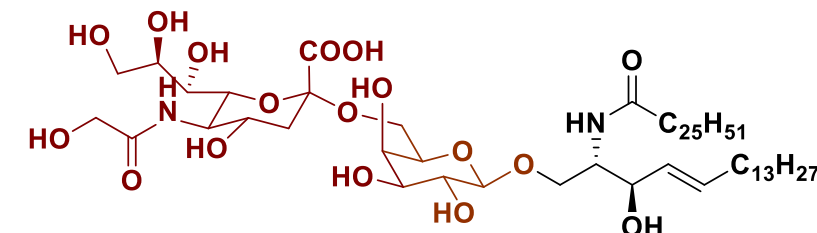
Chemical Formula:	C ₆₁ H ₁₁₄ N ₂ O ₁₆
Molecular Weight:	1131.58
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL104 αNeu5Gc2,3-β-D-Galactopyranosyl-1,1'-N-hexacosanoyl-2'-hexacosamide-4'-octadecene-1',3'-diol
Synonym: αNeu5Gc2,3-D-Galactosyl Ceramide



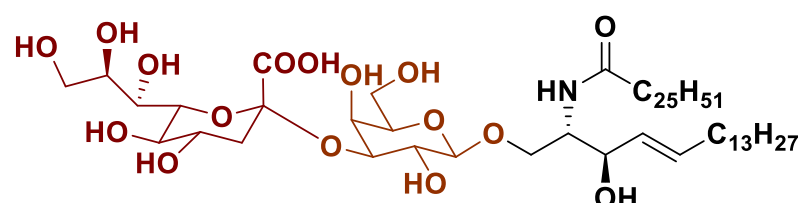
Chemical Formula:	C ₆₁ H ₁₁₄ N ₂ O ₁₇
Molecular Weight:	1147.58
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL105 αNeu5Gc2,6-D-Galactopyranosyl-N-hexacosanoyl-2-amino-1,3,4-octadecanetriol
Synonym: Neu5Acα2,6-D-Galactosyl Ceramide



Chemical Formula:	C ₆₁ H ₁₁₆ N ₂ O ₁₇
Molecular Weight:	1147.58
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL106 αKDN2,3-β-D-Galactopyranosyl-N-hexacosanoyl-2-amino-1,3,4-octadecanetriol
Synonym: KDNα2,3-D-Galactosyl Ceramide

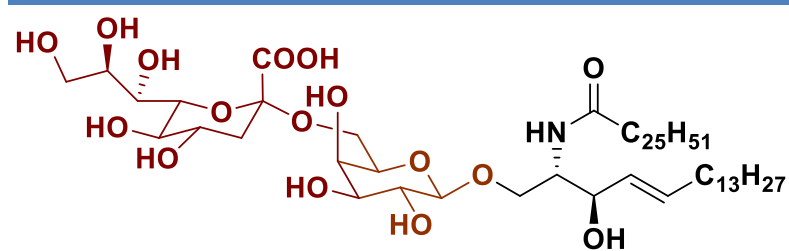


Chemical Formula:	C ₅₉ H ₁₁₁ NO ₁₆
Molecular Weight:	1090.59
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg



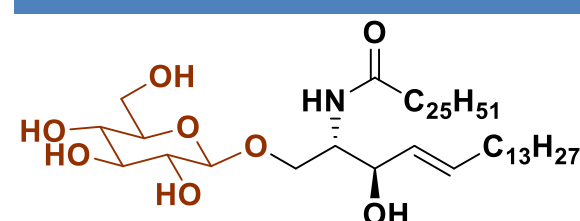


GSL107 KDN α 2,3-D-Galactopyranosyl-N-hexacosanoyl-2-amino-1,3,4-octadecanetriol
Synonym: KDN α 2,3-D-Galactosyl Ceramide



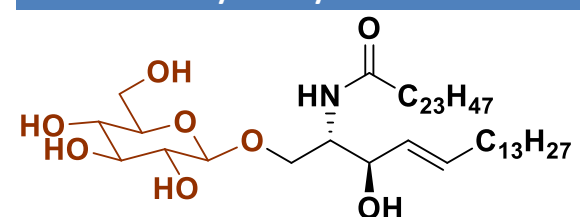
Chemical Formula:	C ₅₉ H ₁₁₁ NO ₁₆
Molecular Weight:	1090.59
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL201 β -D-Glucopyranosyl-1,1'-N-hexacosanoyl-2'-hexacosamide-4'-octadecene-1',3'-diol
Synonym: β -GlcCer



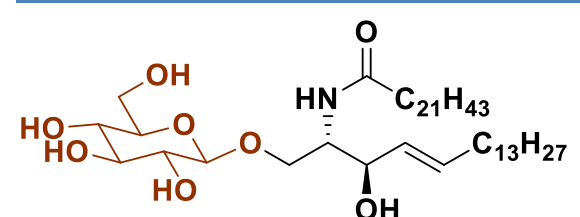
Chemical Formula:	C ₅₀ H ₉₇ NO ₈
Molecular Weight:	840.33
CAS No.:	1346518-10-2
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL202 β -D-Glucopyranosyl-1,1'-N-Tetracosanoyl-2'-Tetracosanamide-4'-octadecene-1',3'-diol
Synonym:



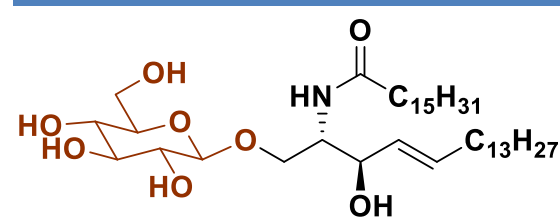
Chemical Formula:	C ₄₈ H ₉₃ NO ₈
Molecular Weight:	812.27
CAS No.:	82014-84-4
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL203 β -D-Glucopyranosyl-1,1'-N-Docosanoyl-2'-Docosanamide-4'-octadecene-1',3'-diol
Synonym:



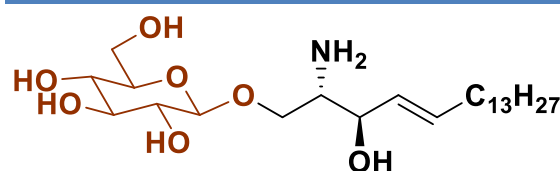
Chemical Formula:	C ₄₆ H ₈₉ NO ₈
Molecular Weight:	784.22
CAS No.:	119242-44-3
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL204 β -D-Glucopyranosyl-1,1'-N-Hexadecanoyl-2'-Hexadecanamide-4'-octadecene-1',3'-diol
Synonym: D-Glucosyl- β -1,1'-N-palmitoylsphingosine



Chemical Formula:	C ₄₀ H ₇₇ NO ₈
Molecular Weight:	700.06
CAS No.:	74365-77-8
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL205 β -D-Glucopyranosyl-1,1'-2'-amino-4'-octadecene-1',3'-diol
Synonym: Glucosylsphingosine



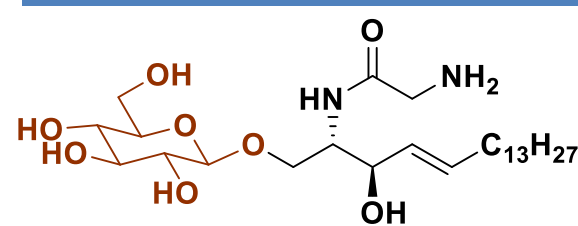
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Molecular Weight:	461.64
CAS No.:	52050-17-6
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg





GSL206 N-Glycinated glucosylsphingosine

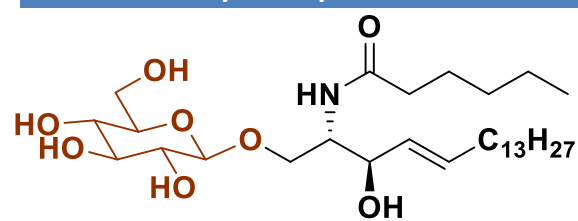
Synonym: N-Glycine glucopsychosine



Chemical Formula:	C ₂₆ H ₅₀ N ₂ O ₈
Molecular Weight:	518.69
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL207 N-Hexanoyl-glucosylceramide

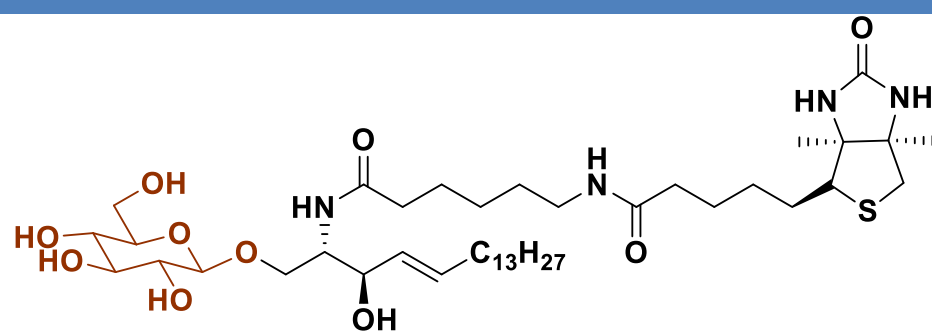
Synonym: N-C6:0-Glucocerebroside



Chemical Formula:	C ₃₀ H ₅₅ NO ₈
Molecular Weight:	559.79
CAS No.:	111956-46-8
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL208 N-Hexanoyl-biotin-glucosylceramide

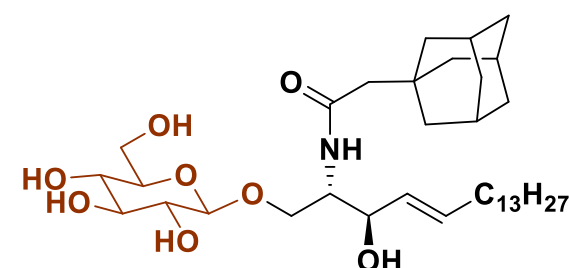
Synonym: N-C6:0-Biotin-glucosylceramide



Chemical Formula:	C ₄₂ H ₇₆ N ₄ O ₁₀ S
Molecular Weight:	829.15
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL209 N-(1-Adamantaneacetyl)-glucosylceramide

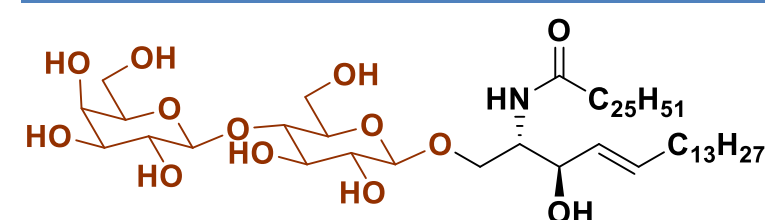
Synonym:



Chemical Formula:	C ₃₆ H ₆₃ NO ₈
Molecular Weight:	637.90
CAS No.:	1314782-67-6
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL301 β-Lactosyl-1,1'-N-hexacosanoyl-2'-hexacosamide-4'-octadecene-1',3'-diol

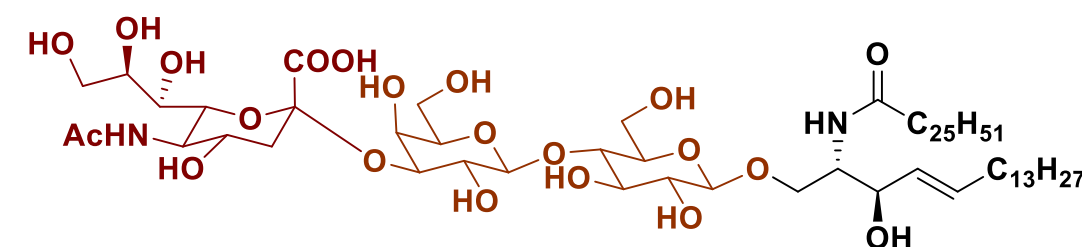
Synonym: β-LacCer



Chemical Formula:	C ₅₆ H ₁₀₇ NO ₁₃
Molecular Weight:	1002.47
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL302 Neu5Acα2,3Galβ1,4Glc Ceramide

Synonym: GM3 Cer

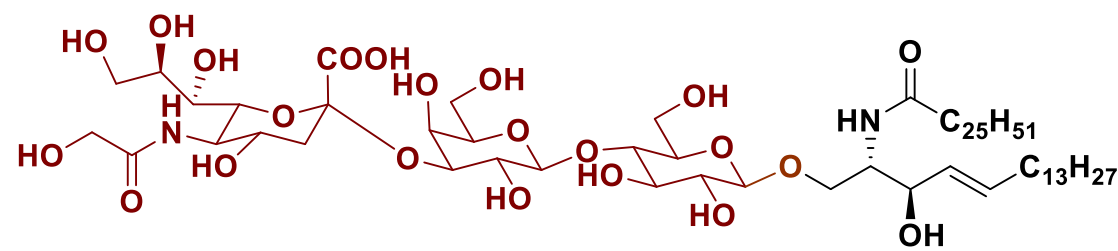


Chemical Formula:	C ₆₇ H ₁₂₄ N ₂ O ₂₁
Molecular Weight:	1293.72
CAS No.:	1985644-13-0
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg



GSL303 Neu5Gc α 2,3Gal β 1,4Glc Ceramide

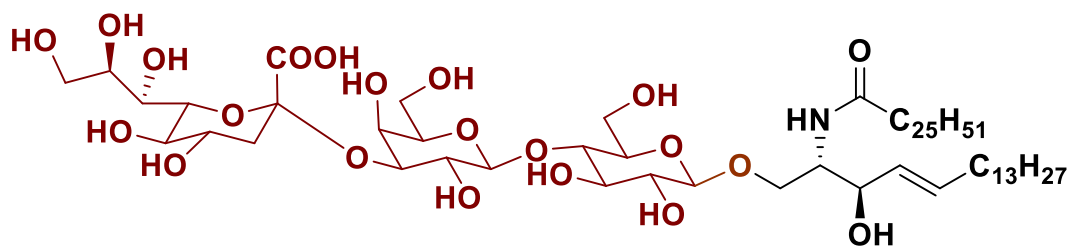
Synonym:



Chemical Formula:	C ₆₇ H ₁₂₄ N ₂ O ₂₁
Molecular Weight:	1309.72
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL304 KDN α 2,3Gal β 1,4Glc Ceramide

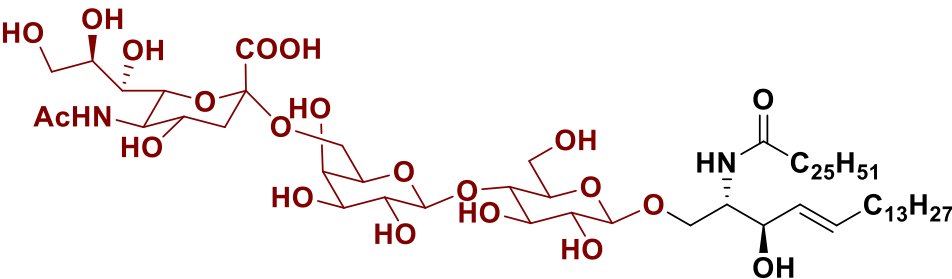
Synonym:



Chemical Formula:	C ₆₅ H ₁₂₁ NO ₂₁
Molecular Weight:	1252.67
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL305 Neu5Ac α 2,6Gal β 1,4Glc Ceramide

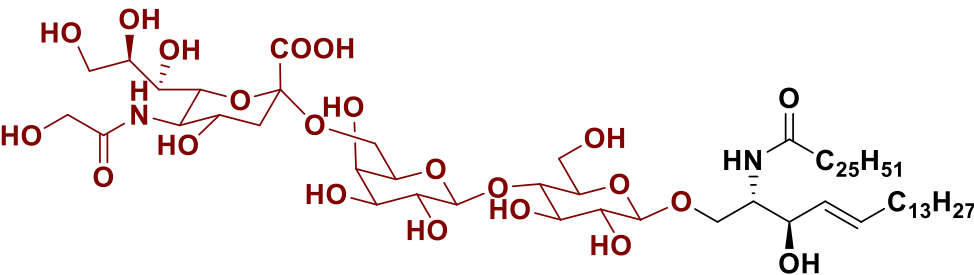
Synonym: GM3 Cer



Chemical Formula:	C ₆₇ H ₁₂₄ N ₂ O ₂₁
Molecular Weight:	1293.72
CAS No.:	1985644-13-0
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL306 Neu5Gc α 2,6Gal β 1,4Glc Ceramide

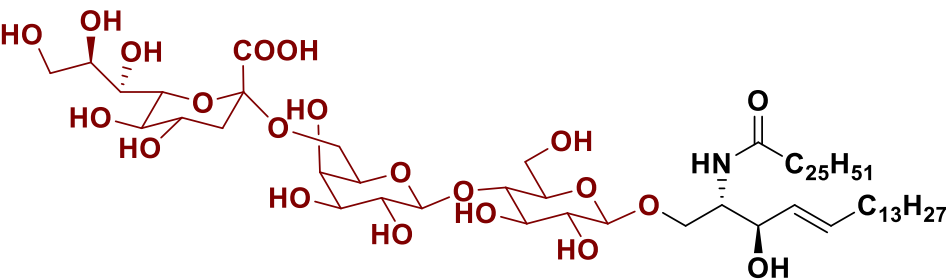
Synonym:



Chemical Formula:	C ₆₇ H ₁₂₄ N ₂ O ₂₁
Molecular Weight:	1309.72
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL307 KDN α 2,3Gal β 1,4Glc Ceramide

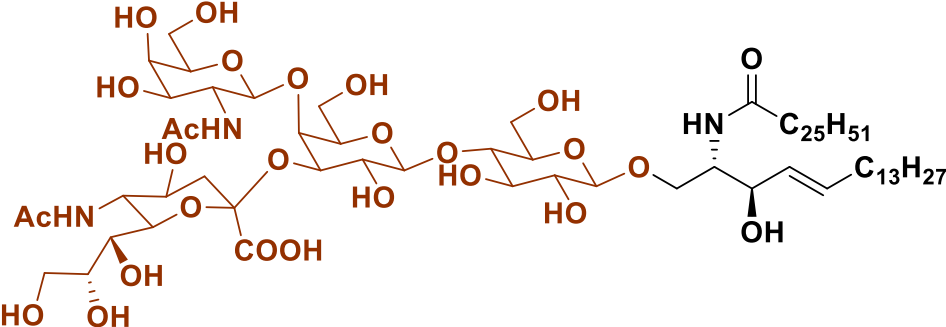
Synonym:



Chemical Formula:	C ₆₅ H ₁₂₁ NO ₂₁
Molecular Weight:	1252.67
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL308 Neu5Ac α 2,3(GalNAc β 1,4)Gal β 1,4Glc Ceramide

Synonym: GM2 Cer



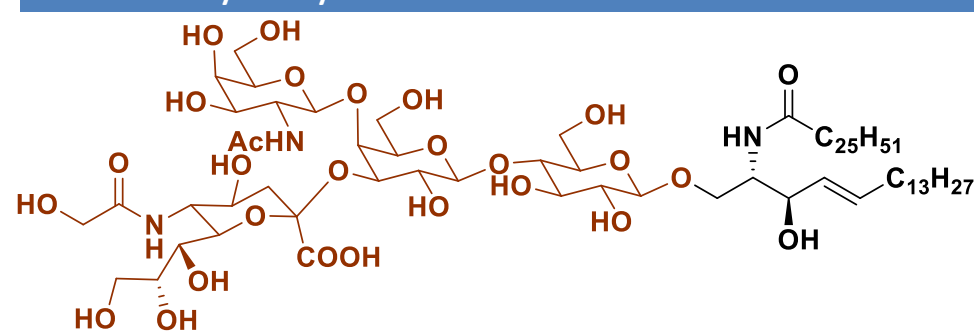
Chemical Formula:	C ₇₅ H ₁₃₇ N ₃ O ₂₆
Molecular Weight:	1496.92
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg





GSL309 Neu5Gc α 2,3(GalNAc β 1,4)Gal β 1,4Glc Ceramide

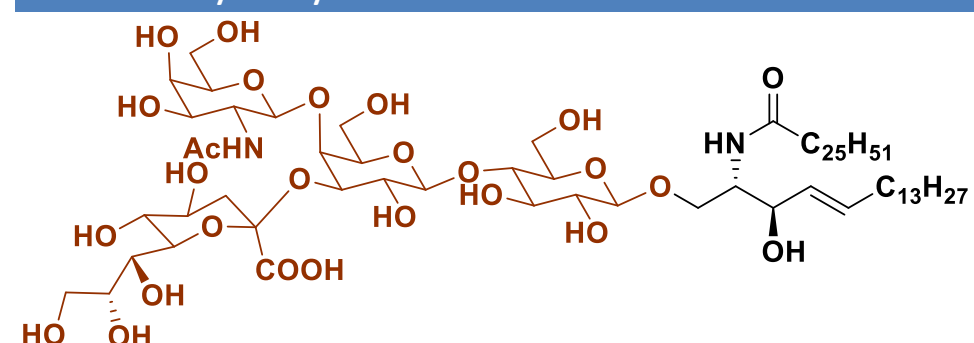
Synonym:



Chemical Formula:	C ₇₅ H ₁₃₇ N ₃ O ₂₇
Molecular Weight:	1512.92
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL310 KDN α 2,3(GalNAc β 1,4)Gal β 1,4Glc Ceramide

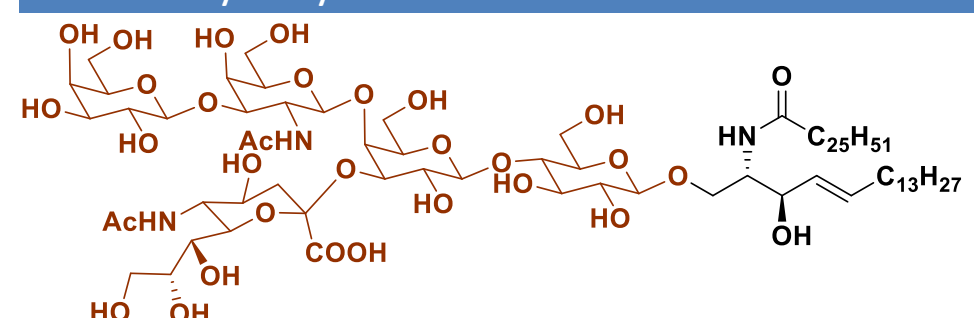
Synonym:



Chemical Formula:	C ₇₃ H ₁₃₄ N ₂ O ₂₆
Molecular Weight:	1455.86
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL311 Neu5Ac α 2,3(Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

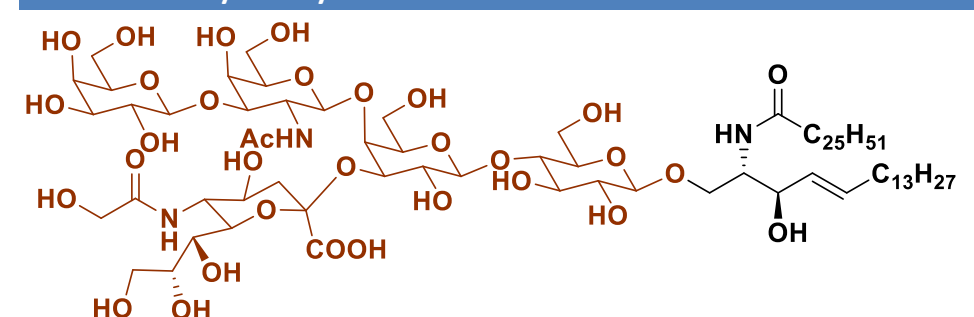
Synonym: GM1 Cer



Chemical Formula:	C ₈₁ H ₁₄₇ N ₃ O ₃₁
Molecular Weight:	1659.06
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL312 Neu5Gc α 2,3(Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

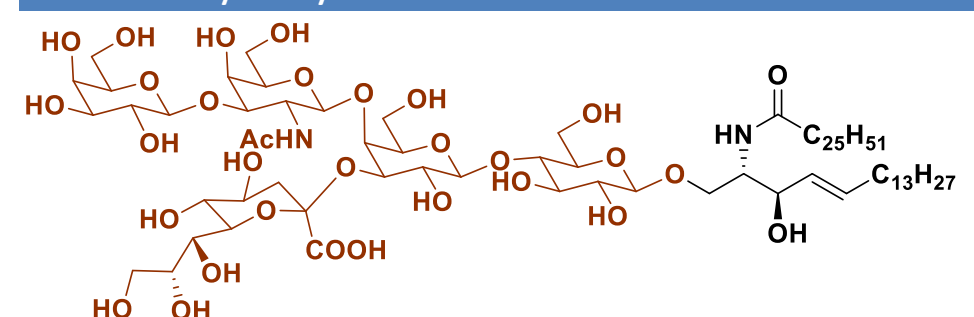
Synonym:



Chemical Formula:	C ₈₁ H ₁₄₇ N ₂ O ₃₂
Molecular Weight:	1675.06
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL313 KDN α 2,3(Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

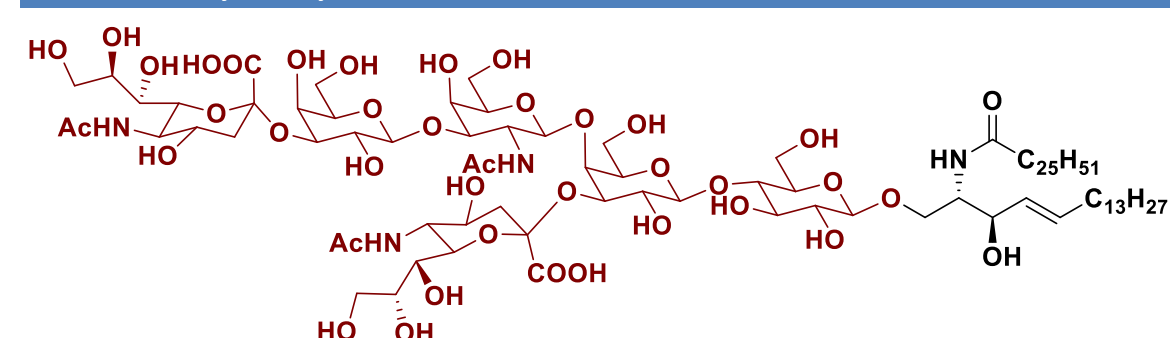
Synonym:



Chemical Formula:	C ₇₉ H ₁₄₄ N ₂ O ₃₁
Molecular Weight:	1618.00
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL314 Neu5Ac α 2,3(Neu5Ac α 2,3Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

Synonym: GD1aCer



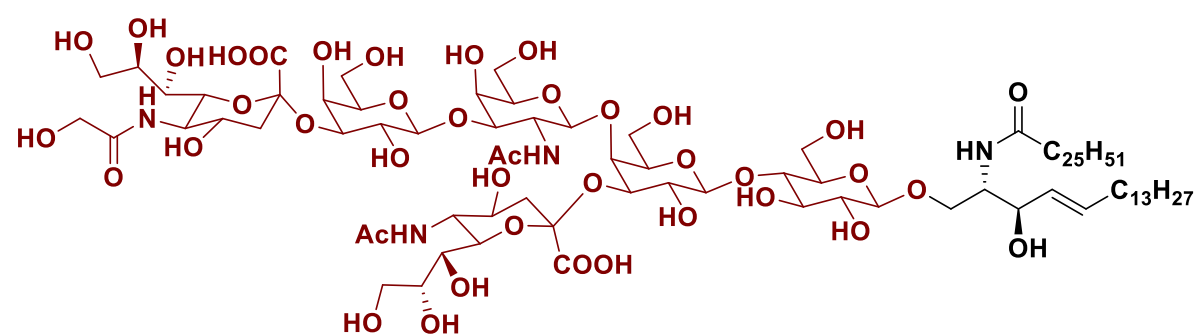
Chemical Formula:	C ₉₂ H ₁₆₄ N ₄ O ₃₉
Molecular Weight:	1950.31
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg





GSL315 Neu5Ac α 2,3(Neu5Gc α 2,3Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

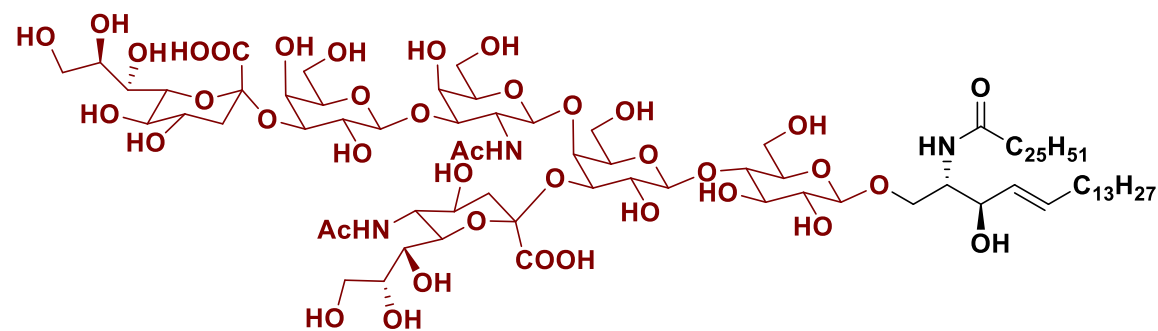
Synonym:



Chemical Formula:	C ₉₂ H ₁₆₄ N ₄ O ₄₀
Molecular Weight:	1966.31
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL316 Neu5Ac α 2,3(KDN α 2,3Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

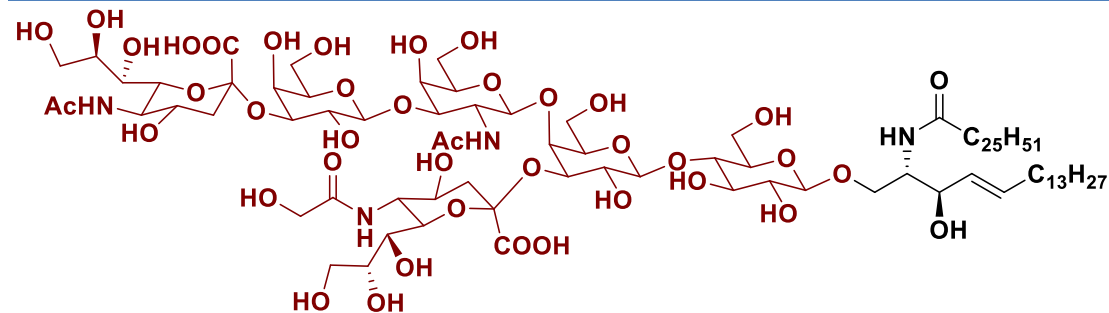
Synonym:



Chemical Formula:	C ₉₀ H ₁₆₁ N ₃ O ₃₉
Molecular Weight:	1909.26
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL317 Neu5Gc α 2,3(Neu5Ac α 2,3Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

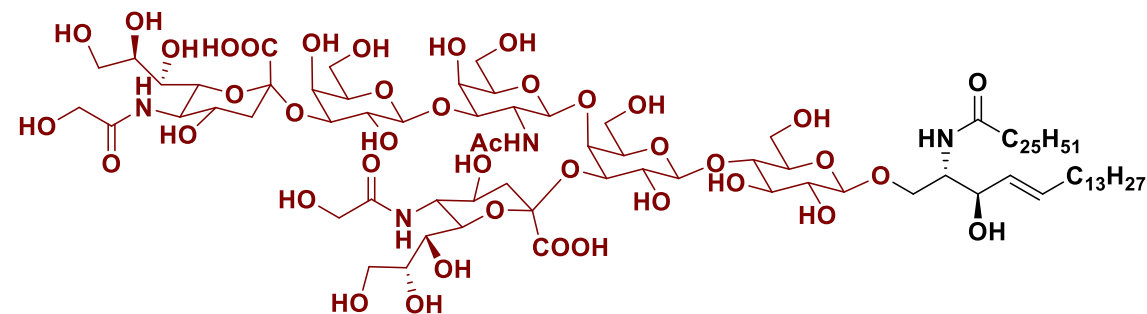
Synonym:



Chemical Formula:	C ₉₂ H ₁₆₄ N ₄ O ₄₀
Molecular Weight:	1968.31
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL318 Neu5Gc α 2,3(Neu5Gc α 2,3Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

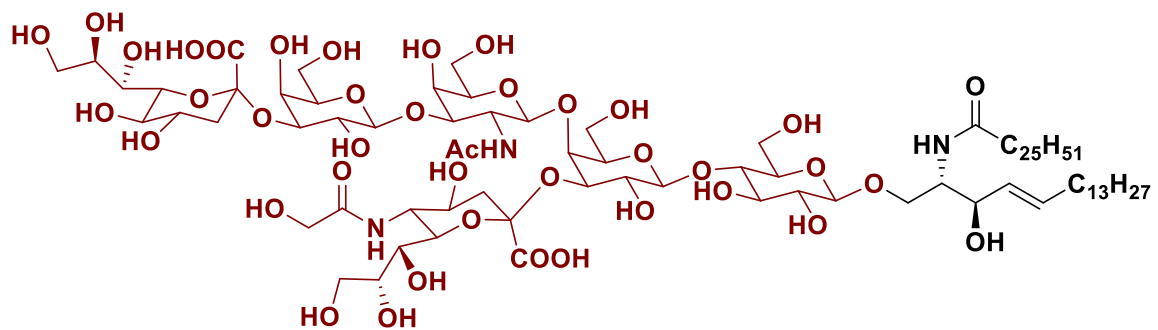
Synonym:



Chemical Formula:	C ₉₂ H ₁₆₄ N ₄ O ₄₁
Molecular Weight:	1982.31
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL319 Neu5Gc α 2,3(KDN α 2,3Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

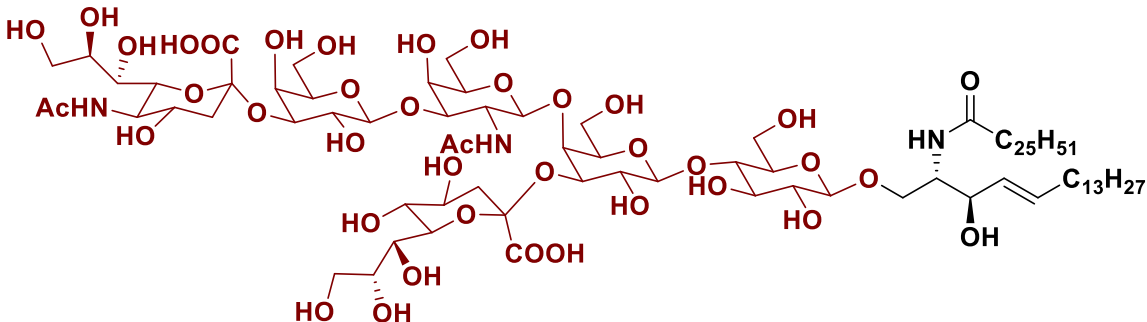
Synonym:



Chemical Formula:	C ₉₀ H ₁₆₁ N ₃ O ₄₀
Molecular Weight:	1925.26
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL320 KDN α 2,3(Neu5Ac α 2,3Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

Synonym:



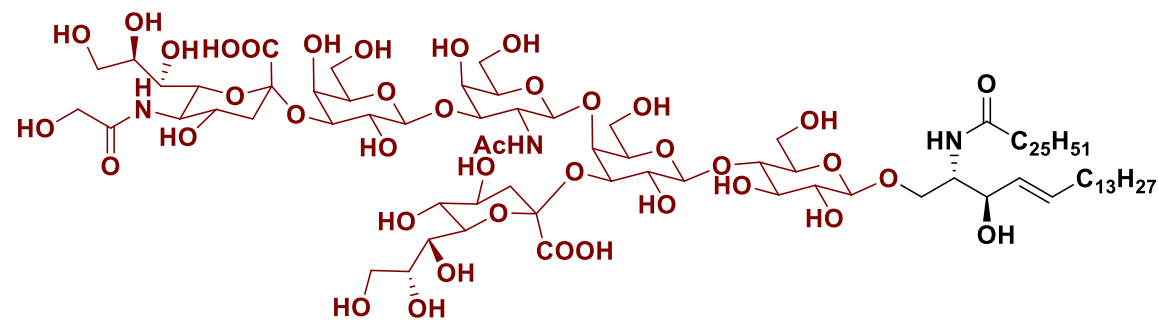
Chemical Formula:	C ₉₀ H ₁₆₁ N ₃ O ₃₉
Molecular Weight:	1909.26
CAS No.:	



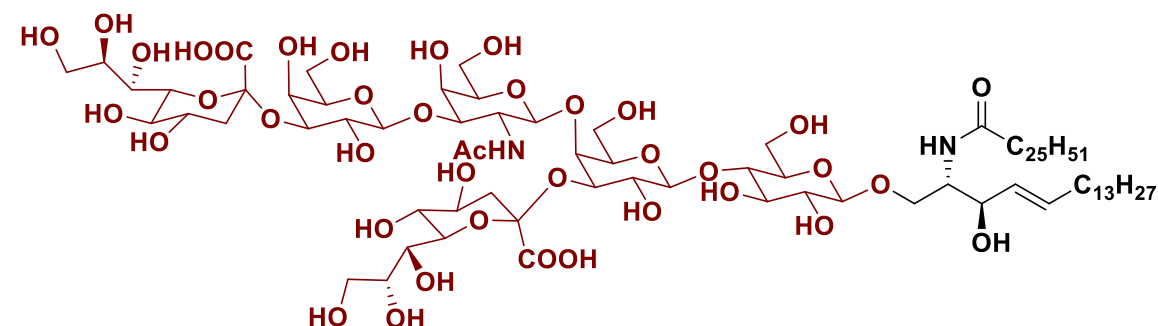


GSL321 KDN α 2,3(Neu5Gc α 2,3Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

Synonym: GM1 Cer



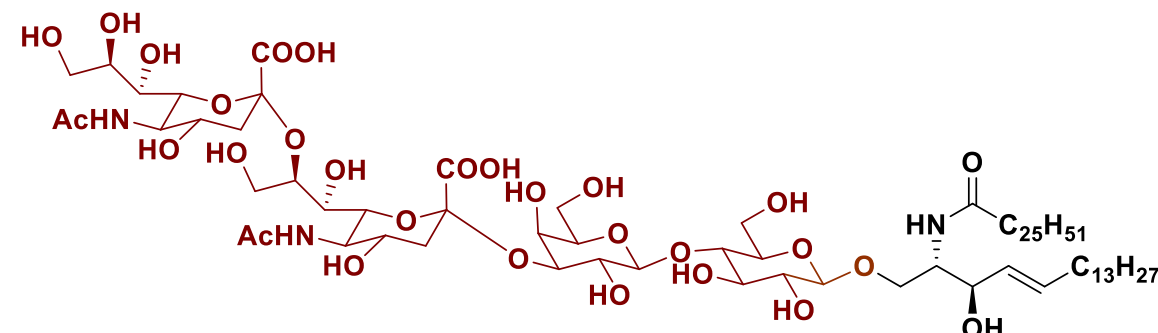
Chemical Formula:	C ₉₀ H ₁₆₁ N ₃ O ₄₀
Molecular Weight:	1925.26
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg



Chemical Formula:	C ₈₈ H ₁₅₈ N ₂ O ₃₉
Molecular Weight:	1868.21
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL323 Neu5Ac α 2,8Neu5Ac α 2,3Gal β 1,4Glc Ceramide

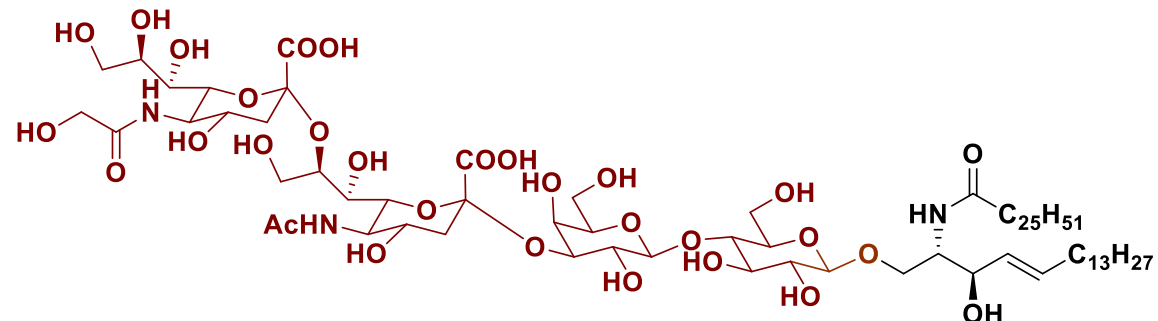
Synonym: GD3Cer



Chemical Formula:	C ₇₈ H ₁₄₁ N ₃ O ₂₉
Molecular Weight:	1584.98
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL324 Neu5Gc α 2,8Neu5Ac α 2,3Gal β 1,4Glc Ceramide

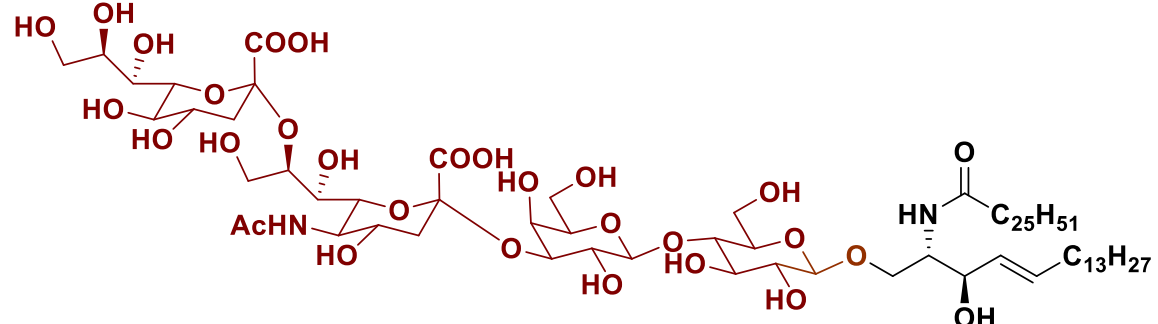
Synonym:



Chemical Formula:	C ₇₈ H ₁₄₁ N ₃ O ₃₀
Molecular Weight:	1600.98
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL325 KDN α 2,8Neu5Ac α 2,3Gal β 1,4Glc Ceramide

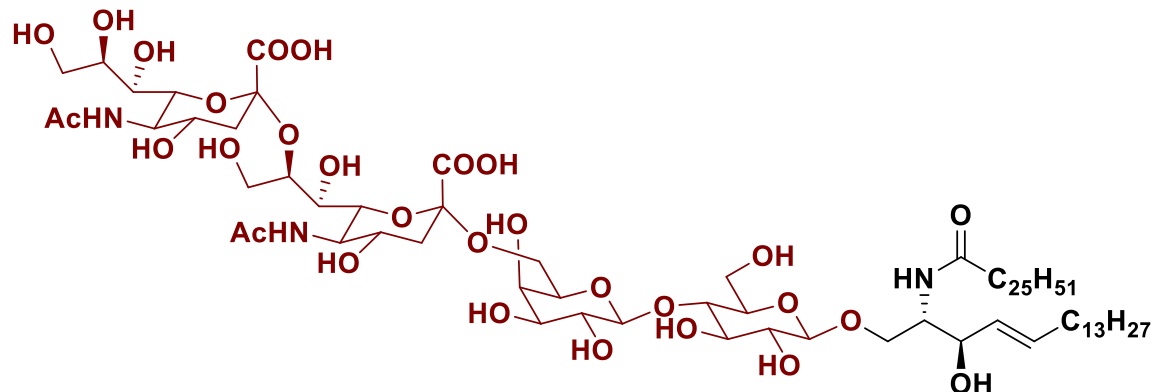
Synonym:



Chemical Formula:	C ₇₆ H ₁₃₈ N ₂ O ₂₉
Molecular Weight:	1543.93
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL326 Neu5Ac α 2,8Neu5Ac α 2,6Gal β 1,4Glc Ceramide

Synonym:



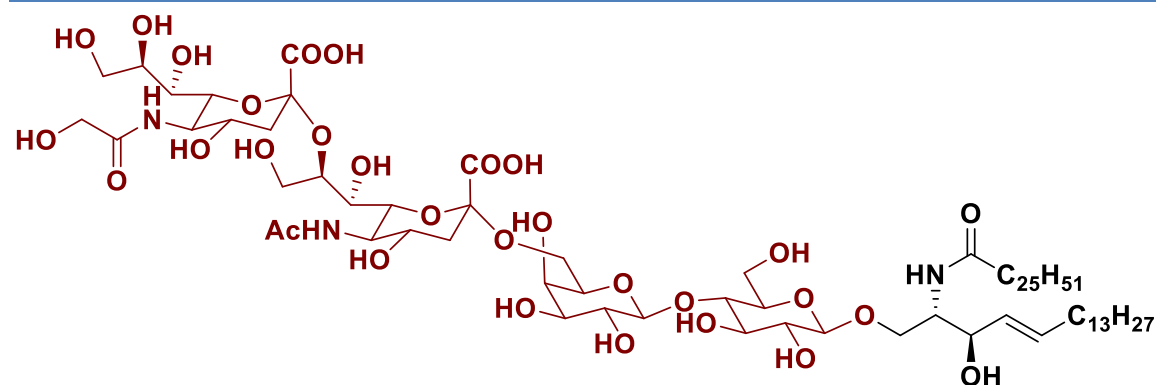
Chemical Formula:	C ₇₈ H ₁₄₁ N ₃ O ₂₉
Molecular Weight:	1584.98
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg





GSL327 Neu5Gc α 2,8Neu5Ac α 2,6Gal β 1,4Glc Ceramide

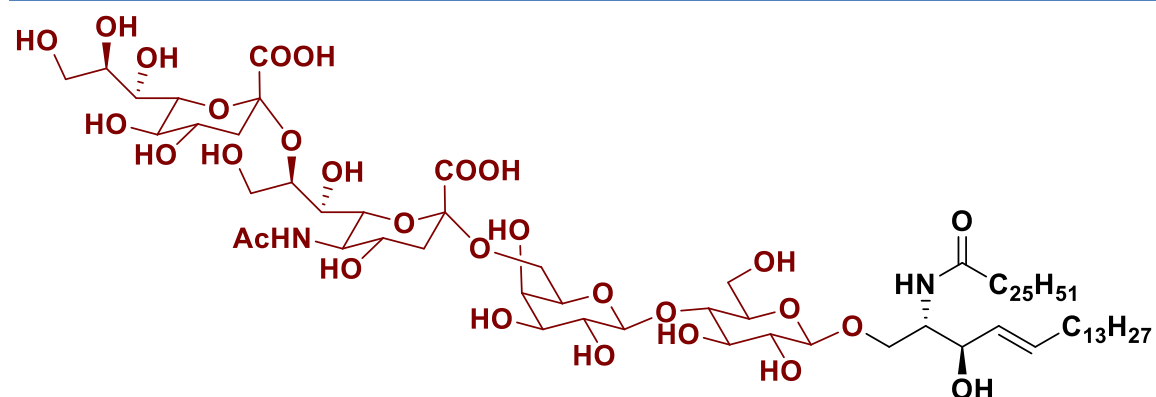
Synonym:



Chemical Formula:	C ₇₈ H ₁₄₁ N ₃ O ₃₀
Molecular Weight:	1600.98
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL328 KDN α 2,8Neu5Ac α 2,6Gal β 1,4Glc Ceramide

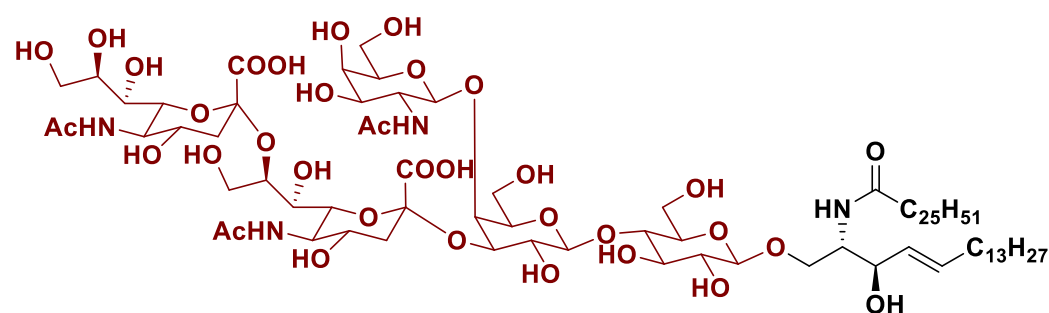
Synonym:



Chemical Formula:	C ₇₆ H ₁₃₈ N ₂ O ₂₉
Molecular Weight:	1543.98
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL329 Neu5Ac α 2,8Neu5Ac α 2,3(GalNAc β 1,4)Gal β 1,4Glc Ceramide

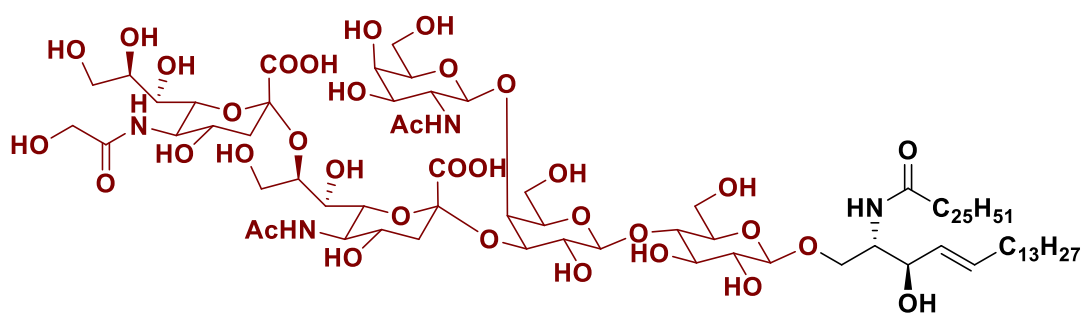
Synonym: GM2 Cer



Chemical Formula:	C ₈₆ H ₁₅₄ N ₄ O ₃₄
Molecular Weight:	1788.17
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL330 Neu5Gc α 2,8Neu5Ac α 2,3(GalNAc β 1,4)Gal β 1,4Glc Ceramide

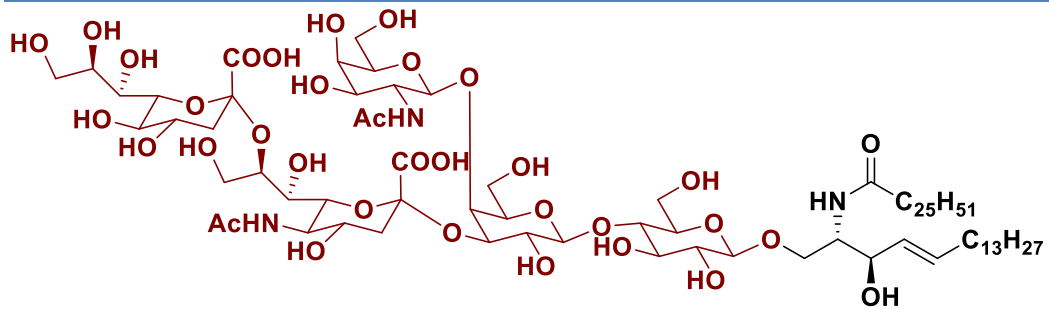
Synonym:



Chemical Formula:	C ₈₆ H ₁₅₄ N ₄ O ₃₅
Molecular Weight:	1804.17
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL331 KDN α 2,8Neu5Ac α 2,3(GalNAc β 1,4)Gal β 1,4Glc Ceramide

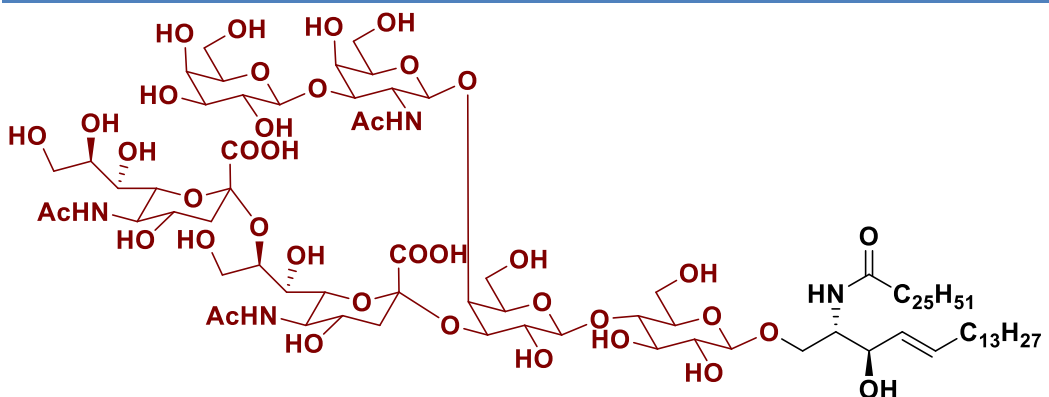
Synonym:



Chemical Formula:	C ₈₄ H ₁₅₁ N ₃ O ₃₄
Molecular Weight:	1747.12
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL332 Neu5Ac α 2,8Neu5Ac α 2,3(Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

Synonym: GD1bCer



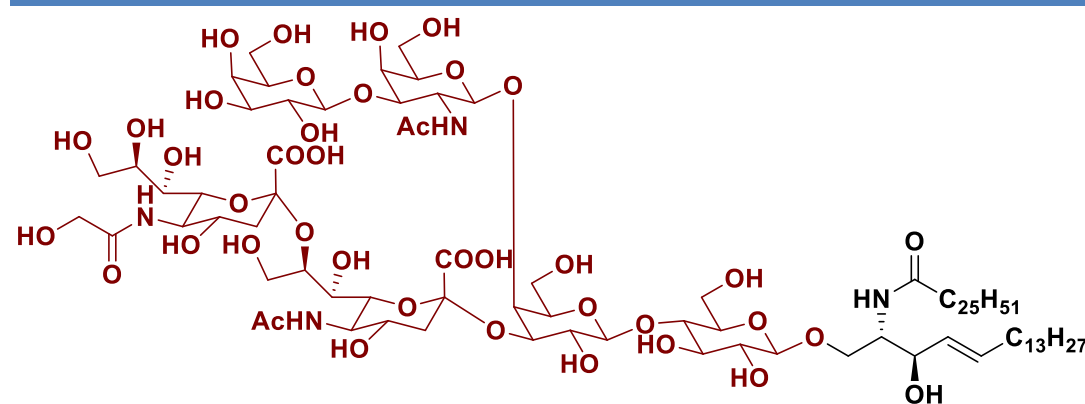
Chemical Formula:	C ₉₂ H ₁₆₄ N ₄ O ₃₉
Molecular Weight:	1950.31
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg





GSL333 Neu5Gc α 2,8Neu5Ac α 2,3(Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

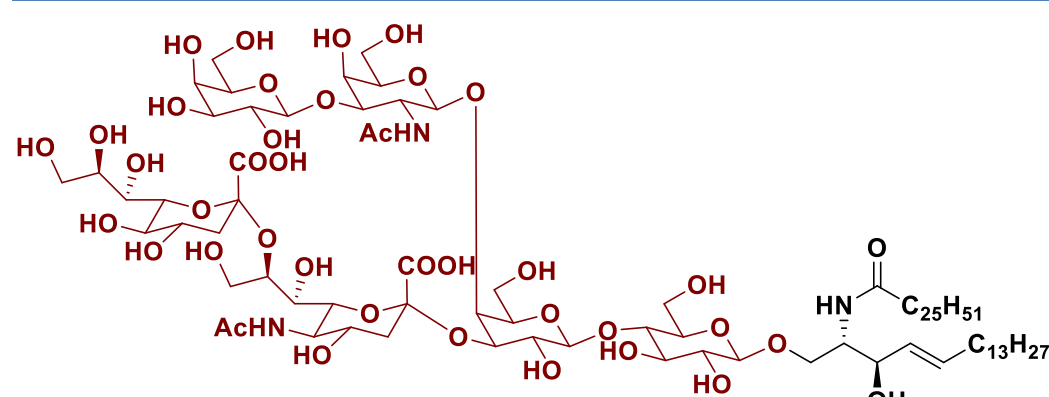
Synonym:



Chemical Formula:	C ₉₂ H ₁₆₄ N ₄ O ₄₀
Molecular Weight:	1966.31
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL334 KDN α 2,8Neu5Ac α 2,3(Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

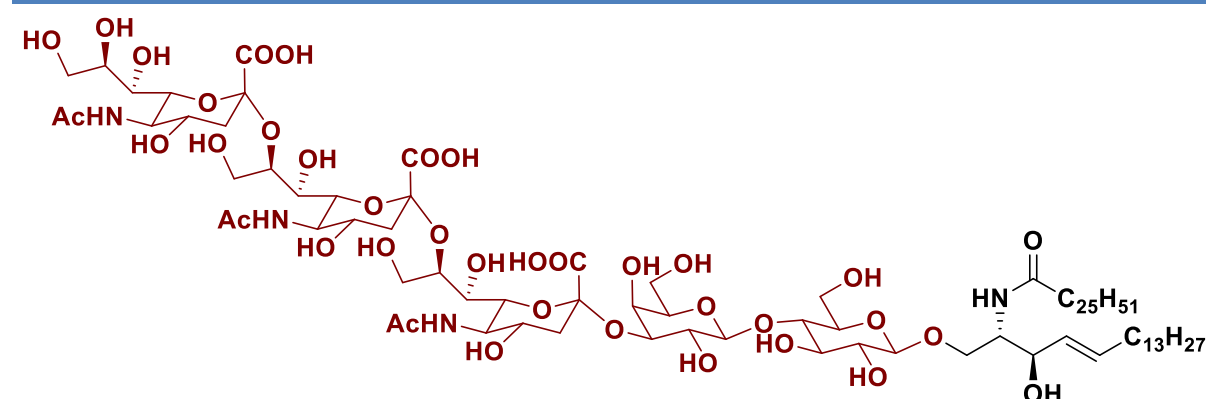
Synonym:



Chemical Formula:	C ₉₀ H ₁₆₁ N ₃ O ₃₉
Molecular Weight:	1909.26
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL335 Neu5Ac α 2,8Neu5Ac α 2,8Neu5Ac α 2,3Gal β 1,4Glc Ceramide

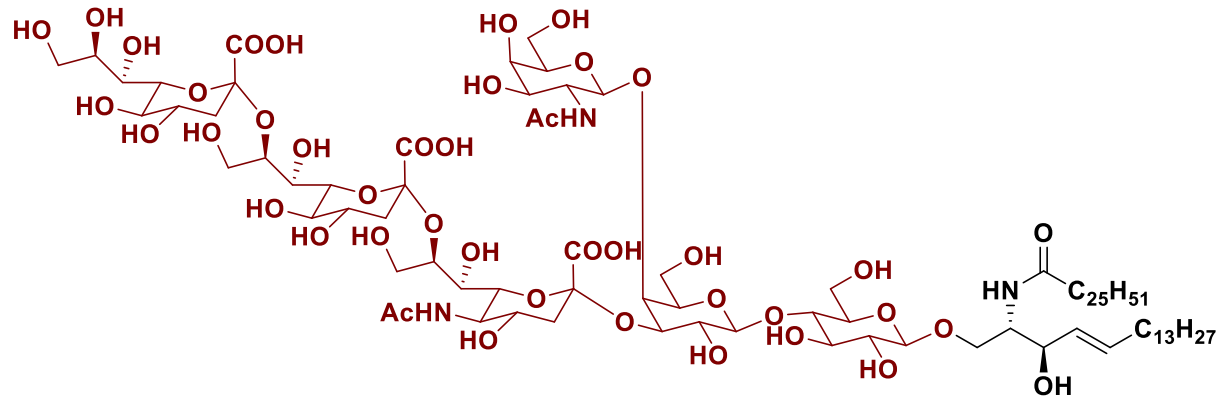
Synonym: GT3Cer



Chemical Formula:	C ₈₉ H ₁₅₈ N ₄ O ₃₉
Molecular Weight:	1876.23
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL336 KDN α 2,8KDN α 2,8Neu5Ac α 2,3(GalNAc β 1,4)Gal β 1,4Glc Ceramide

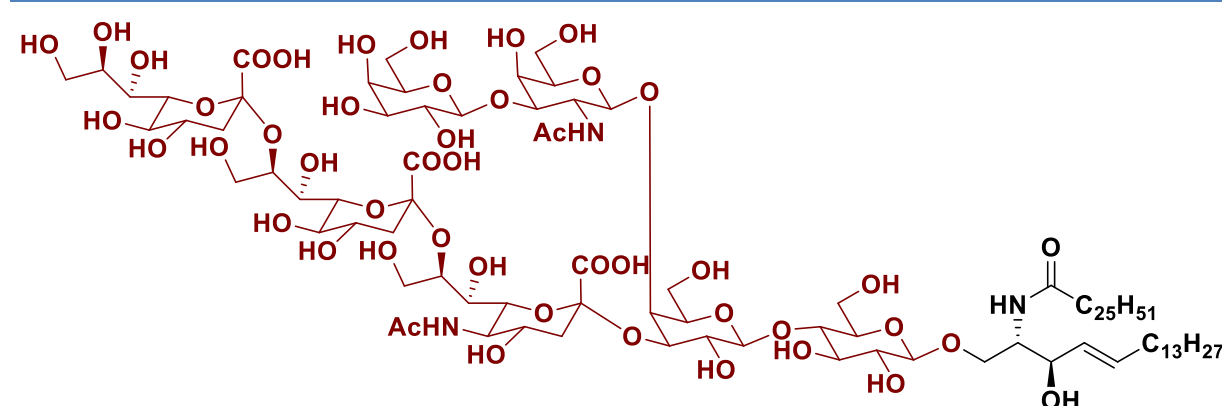
Synonym: GT2Cer



Chemical Formula:	C ₉₃ H ₁₆₅ N ₃ O ₄₂
Molecular Weight:	1997.32
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL337 KDN α 2,8KDN α 2,8Neu5Ac α 2,3(Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

Synonym: GT1cCer



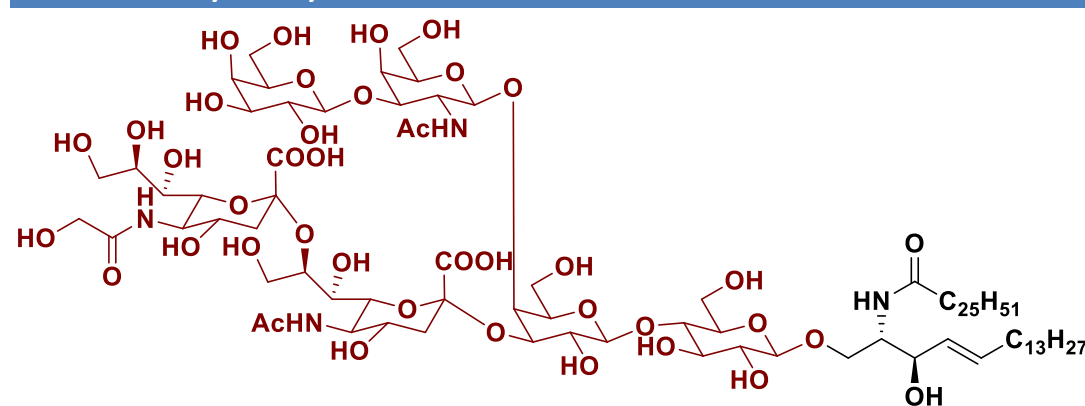
Chemical Formula:	C ₉₉ H ₁₇₅ N ₃ O ₄₇
Molecular Weight:	2159.46
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg





GSL333 Neu5Gc α 2,8Neu5Ac α 2,3(Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

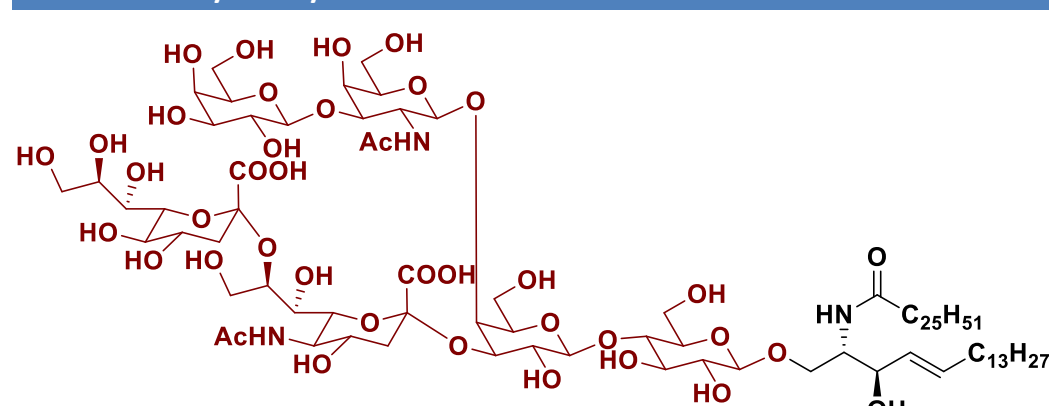
Synonym:



Chemical Formula:	C ₉₂ H ₁₆₄ N ₄ O ₄₀
Molecular Weight:	1966.31
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL334 KDN α 2,8Neu5Ac α 2,3(Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

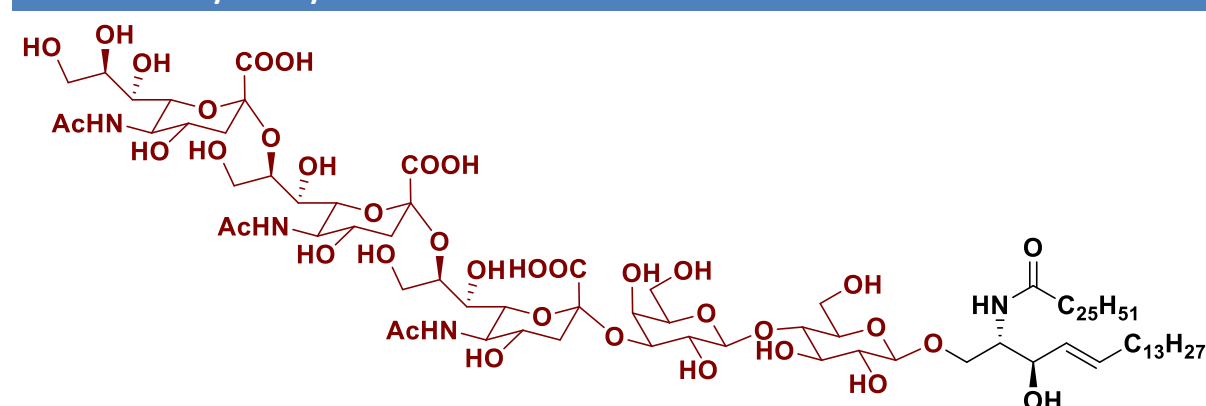
Synonym:



Chemical Formula:	C ₉₀ H ₁₆₁ N ₃ O ₃₉
Molecular Weight:	1909.26
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL335 Neu5Ac α 2,8Neu5Ac α 2,8Neu5Ac α 2,3Gal β 1,4Glc Ceramide

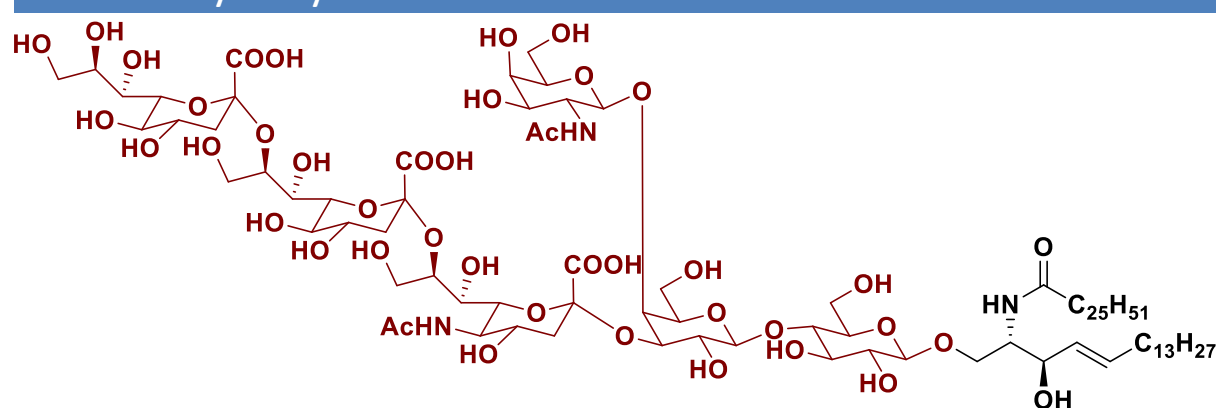
Synonym: GT3Cer



Chemical Formula:	C ₈₉ H ₁₅₈ N ₄ O ₃₉
Molecular Weight:	1876.23
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL336 KDN α 2,8KDN α 2,8Neu5Ac α 2,3(GalNAc β 1,4)Gal β 1,4Glc Ceramide

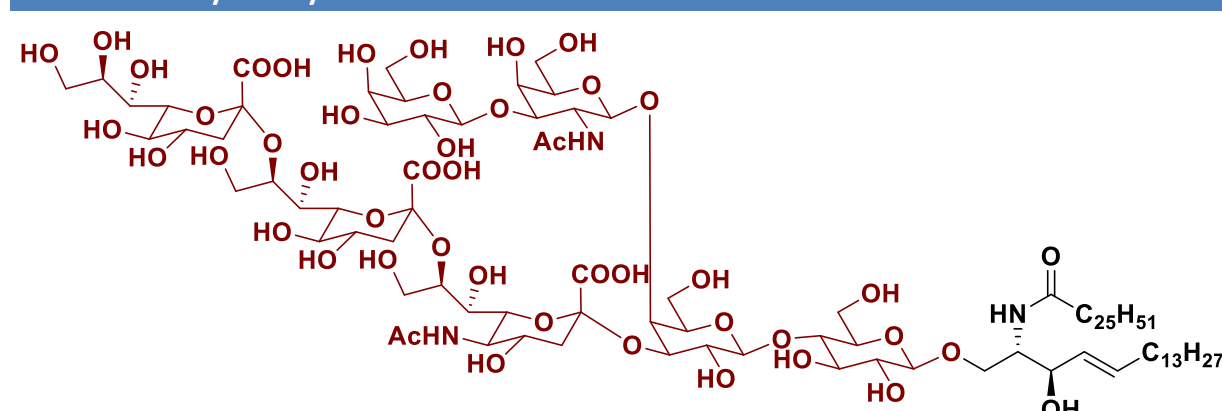
Synonym: GT2Cer



Chemical Formula:	C ₉₃ H ₁₆₅ N ₃ O ₄₂
Molecular Weight:	1997.32
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL337 KDN α 2,8KDN α 2,8Neu5Ac α 2,3(Gal β 1,3GalNAc β 1,4)Gal β 1,4Glc Ceramide

Synonym: GT1cCer



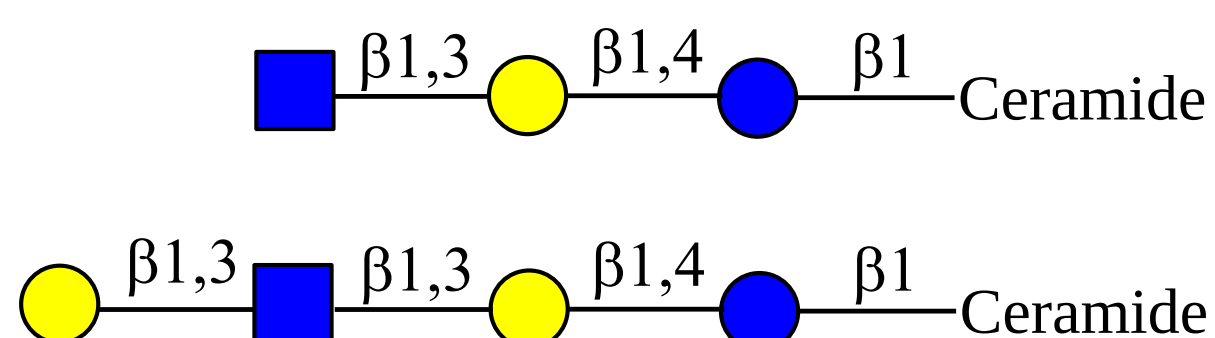
Chemical Formula:	C ₉₉ H ₁₇₅ N ₃ O ₄₇
Molecular Weight:	2159.46
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg



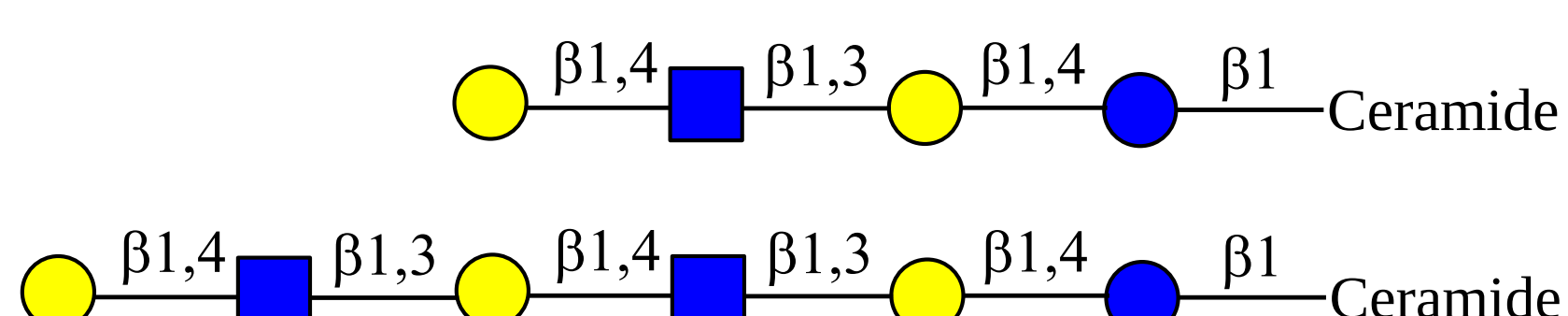


(Neo)lacto-series GSLs have been found on the surface of human hematopoietic cells and involve in the differentiation of hematopoietic cells. Among the members studied, nLc₄, nLc₆, and nLc₈ containing 1-3 repeating β 1-3-linked LacNAc sequences have been found in elevated levels on tumor cells and in sera of cancer patients. The levels of nLc₄, nLc₆, and nLc₈ can be elevated during corneal epithelial cell migration, indicating their roles in corneal epithelial cell migration and wound healing by influencing cell-cell and cell-matrix interactions. nLc₄, nLc₆, and nLc₈ also serve as receptors for some bacteria and bacterial products. nLcs are also common core structures for more complex glycolipids. They can serve as precursors for Lex-GSLs which have been shown to mediate cell-cell interactions.

Lacto-Series

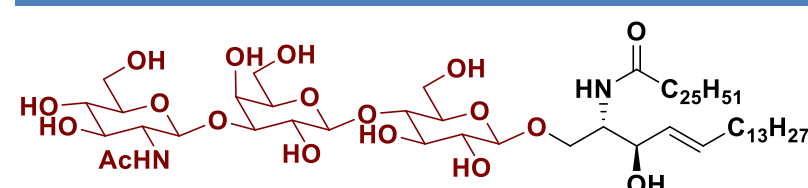


Neolacto-Series



GSL401 Glc β 1,3Gal β 1,4Glc Ceramide

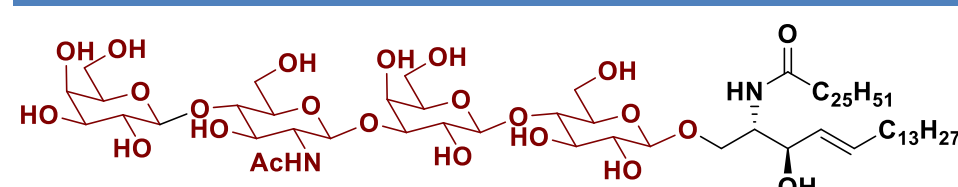
Synonym:



Chemical Formula:	C ₆₄ H ₁₂₀ N ₂ O ₁₈
Molecular Weight:	1205.66
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL402 Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

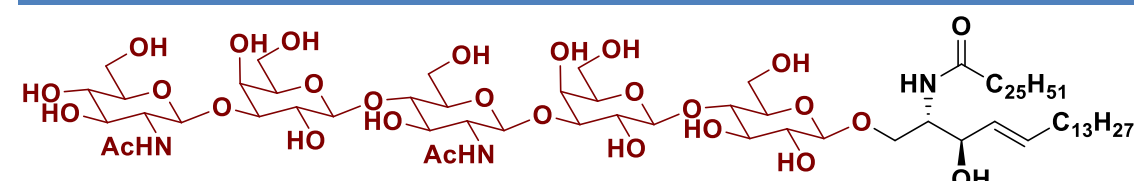
Synonym:



Chemical Formula:	C ₇₀ H ₁₃₀ N ₂ O ₂₃
Molecular Weight:	1367.80
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL403 GlcNAc β 1,4Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

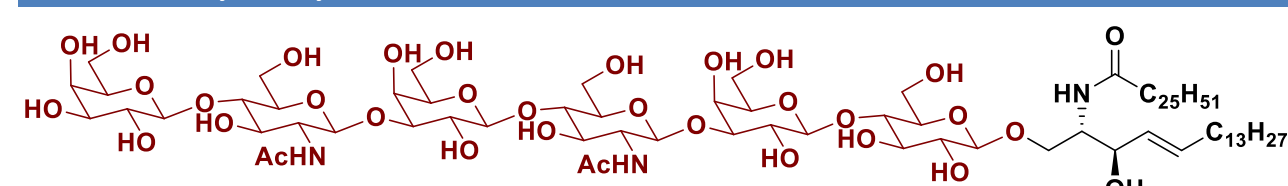
Synonym:



Chemical Formula:	C ₇₈ H ₁₄₃ N ₃ O ₂₈
Molecular Weight:	1571.00
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL404 Gal β 1,4GlcNAc β 1,4Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

Synonym:



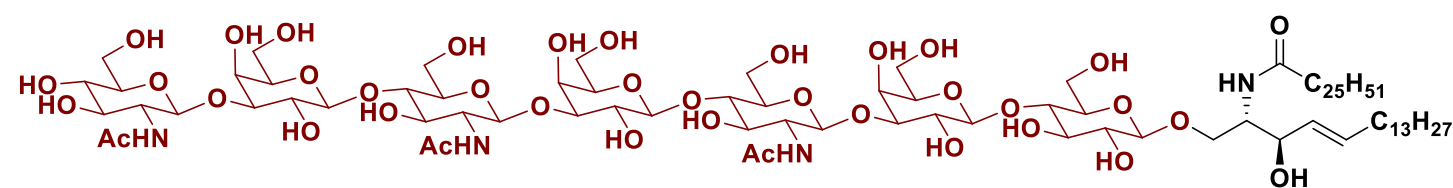
Chemical Formula:	C ₈₄ H ₁₅₃ N ₃ O ₃₃
Molecular Weight:	1733.14
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg





GSL405 GlcNAc β 1,3Gal β 1,4GlcNAc β 1,4Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

Synonym:



Chemical Formula: $C_{92}H_{166}N_4O_{38}$

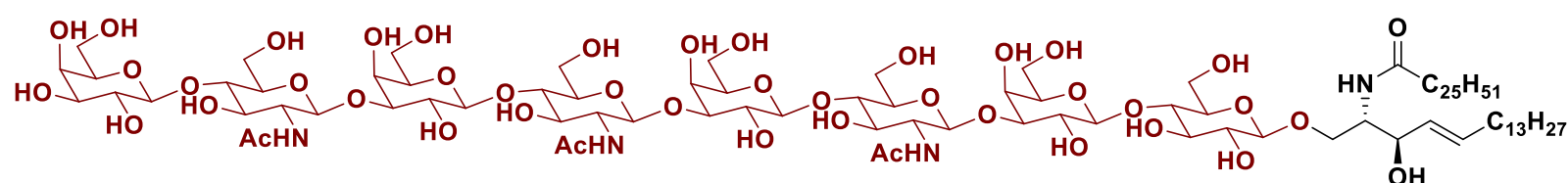
Molecular Weight: 1936.33

CAS No.:

Pack size: 1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL406 Gal β 1,4GlcNAc β 1,3Gal β 1,4GlcNAc β 1,4Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

Synonym:



Chemical Formula: $C_{98}H_{176}N_4O_{43}$

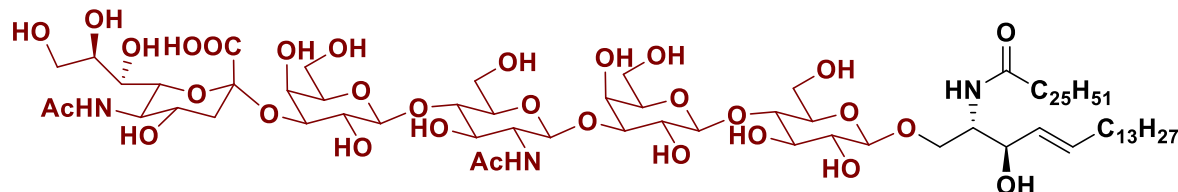
Molecular Weight: 2098.47

CAS No.:

Pack size: 1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL407 Neu5Ac α 2,3Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

Synonym:



Chemical Formula: $C_{81}H_{147}N_3O_{31}$

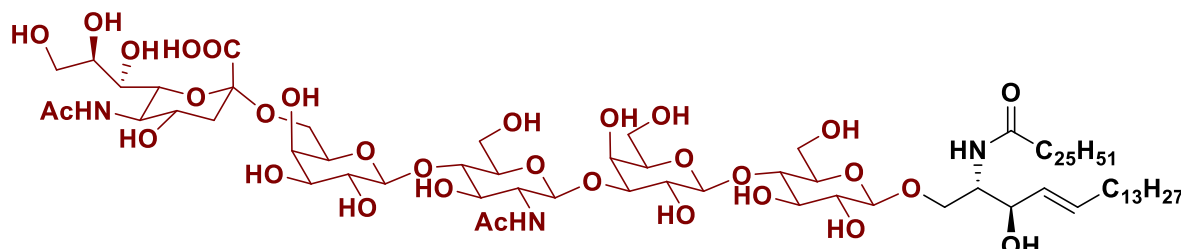
Molecular Weight: 1659.06

CAS No.:

Pack size: 1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL408 Neu5Ac α 2,6Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

Synonym:



Chemical Formula: $C_{81}H_{147}N_3O_{31}$

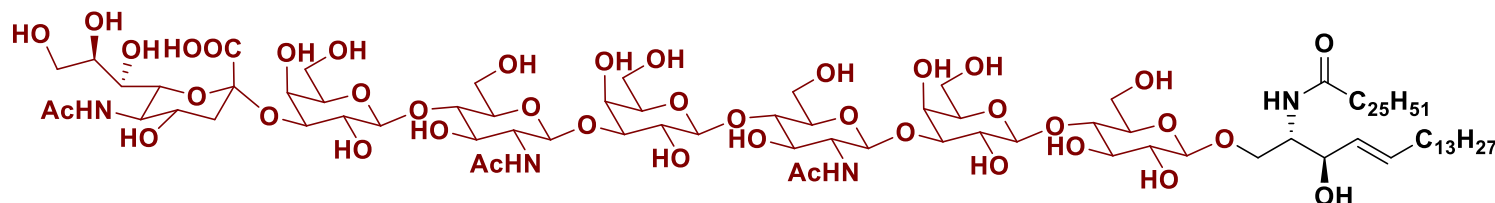
Molecular Weight: 1659.06

CAS No.:

Pack size: 1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL409 Neu5Ac α 2,3Gal β 1,4GlcNAc β 1,3Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

Synonym:



Chemical Formula: $C_{95}H_{170}N_4O_{41}$

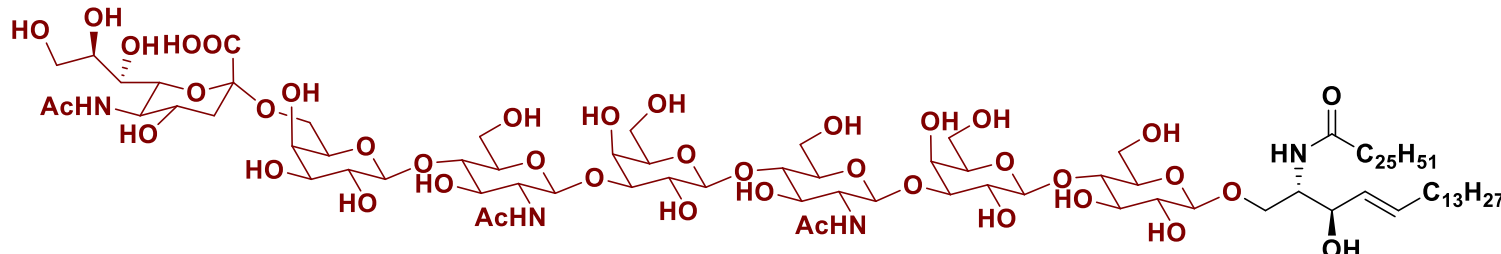
Molecular Weight: 2024.39

CAS No.:

Pack size: 1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL410 Neu5Ac α 2,6Gal β 1,4GlcNAc β 1,3Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

Synonym:



Chemical Formula: $C_{95}H_{170}N_4O_{41}$

Molecular Weight: 2024.39

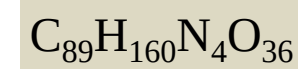
CAS No.:

Pack size: 1 mg, 5 mg, 10 mg, 50 mg, 100 mg





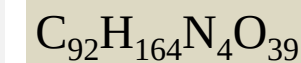
Synonym:



1862.25

1 mg, 5 mg, 10 mg, 50 mg, 100 mg

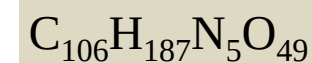
Synonym:



1950.31

1 mg, 5 mg, 10 mg, 50 mg, 100 mg

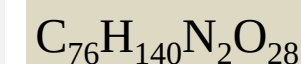
Synonym:



2315.65

1 mg, 5 mg, 10 mg, 50 mg, 100 mg

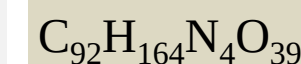
Synonym:



1529.94

1 mg, 5 mg, 10 mg, 50 mg, 100 mg

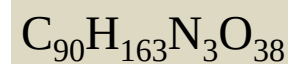
Synonym:



1529.94

1 mg, 5 mg, 10 mg, 50 mg, 100 mg

Synonym:



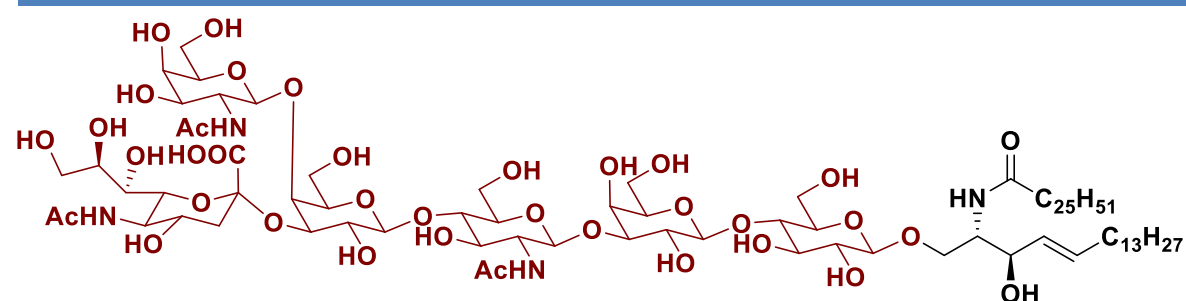
1895.28

1 mg, 5 mg, 10 mg, 50 mg, 100 mg



GSL411 Neu5Ac α 2,3Gal(β 1,4GalNAc) β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

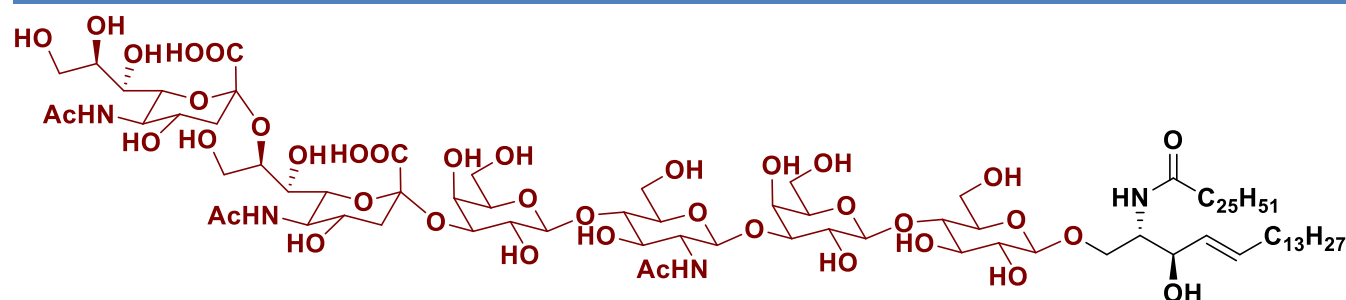
Synonym:



Chemical Formula:	C ₈₉ H ₁₆₀ N ₄ O ₃₆
Molecular Weight:	1862.25
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL412 Neu5Ac α 2,8Neu5Ac α 2,3Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

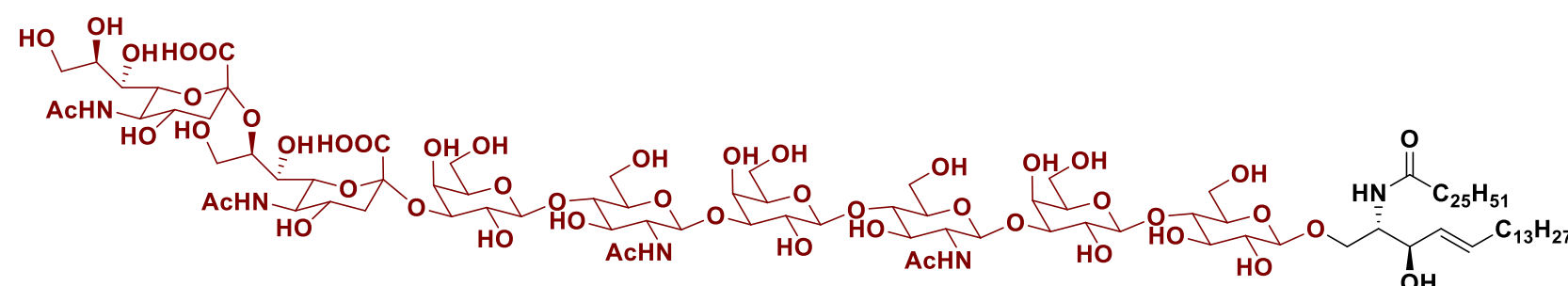
Synonym:



Chemical Formula:	C ₉₂ H ₁₆₄ N ₄ O ₃₉
Molecular Weight:	1950.31
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL413 Neu5Ac α 2,8Neu5Ac α 2,3Gal β 1,4GlcNAc β 1,3Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

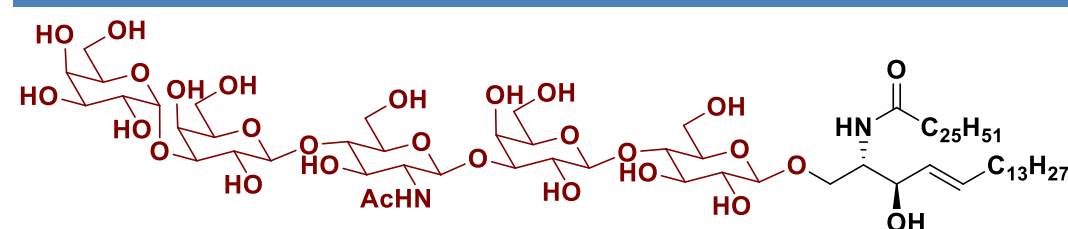
Synonym:



Chemical Formula:	C ₁₀₆ H ₁₈₇ N ₅ O ₄₉
Molecular Weight:	2315.65
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL414 Gal α 1,3Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

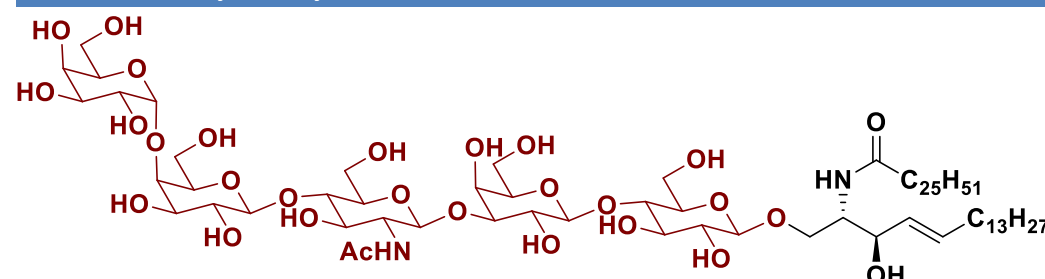
Synonym:



Chemical Formula:	C ₇₆ H ₁₄₀ N ₂ O ₂₈
Molecular Weight:	1529.94
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL415 Gal α 1,4Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

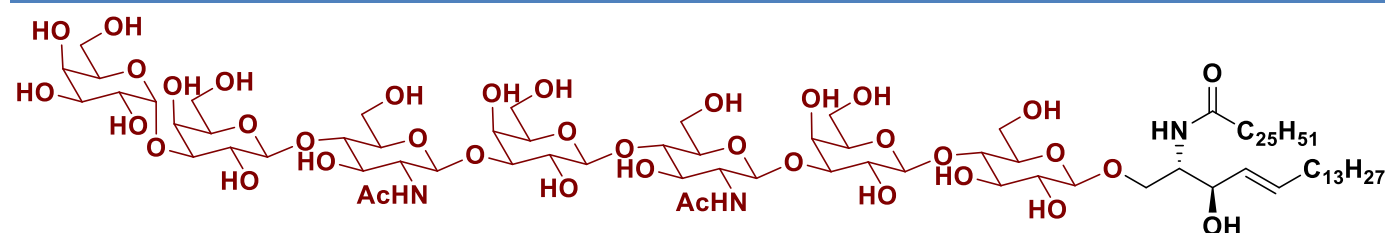
Synonym:



Chemical Formula:	C ₉₂ H ₁₆₄ N ₄ O ₃₉
Molecular Weight:	1529.94
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL416 Gal α 1,3Gal β 1,4GlcNAc β 1,3Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

Synonym:



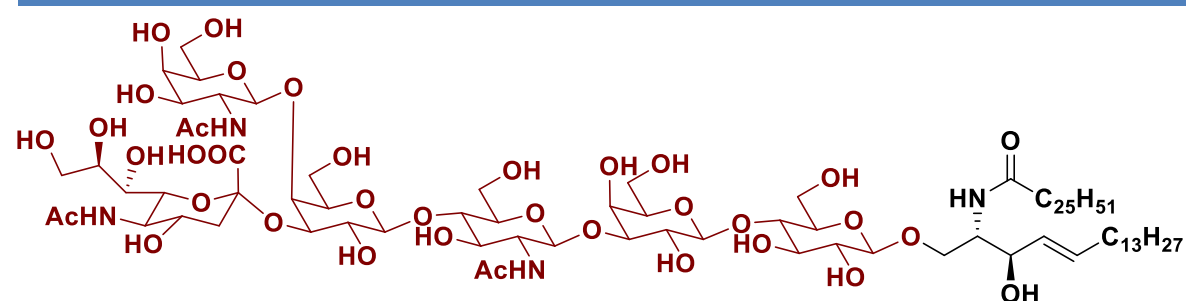
Chemical Formula:	C ₉₀ H ₁₆₃ N ₃ O ₃₈
Molecular Weight:	1895.28
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg





GSL411 Neu5Ac α 2,3Gal(β 1,4GalNAc) β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

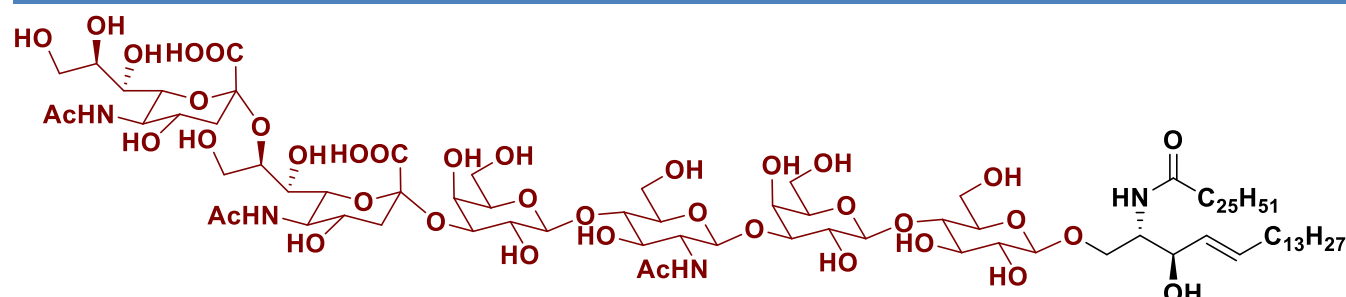
Synonym:



Chemical Formula:	C ₈₉ H ₁₆₀ N ₄ O ₃₆
Molecular Weight:	1862.25
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL412 Neu5Ac α 2,8Neu5Ac α 2,3Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

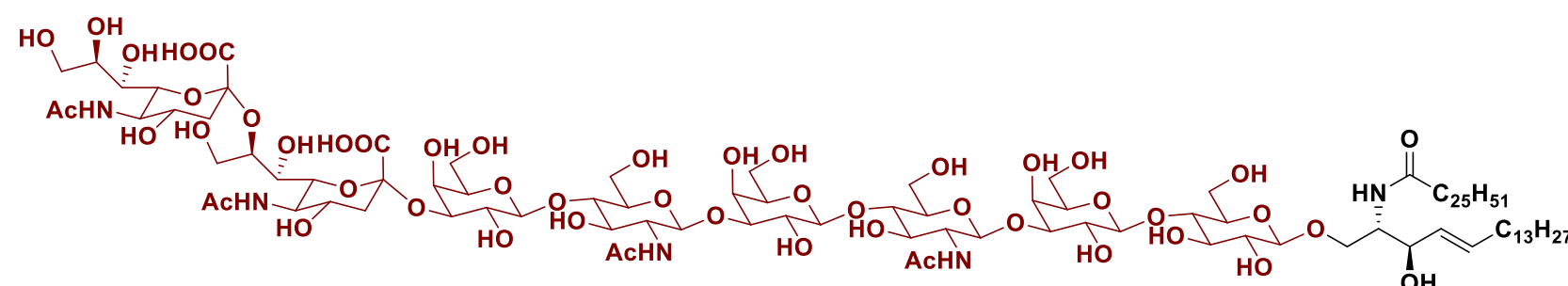
Synonym:



Chemical Formula:	C ₉₂ H ₁₆₄ N ₄ O ₃₉
Molecular Weight:	1950.31
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL413 Neu5Ac α 2,8Neu5Ac α 2,3Gal β 1,4GlcNAc β 1,3Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

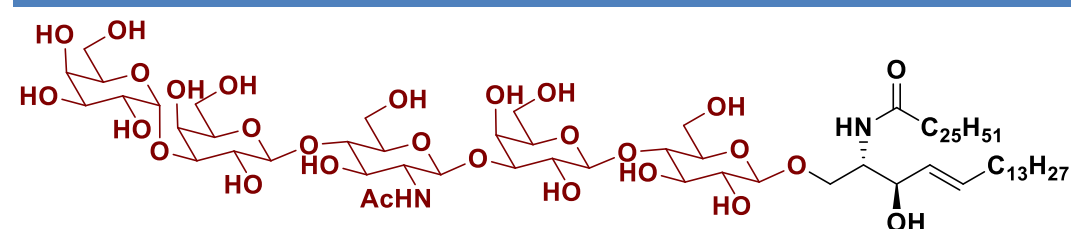
Synonym:



Chemical Formula:	C ₁₀₆ H ₁₈₇ N ₅ O ₄₉
Molecular Weight:	2315.65
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL414 Gal α 1,3Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

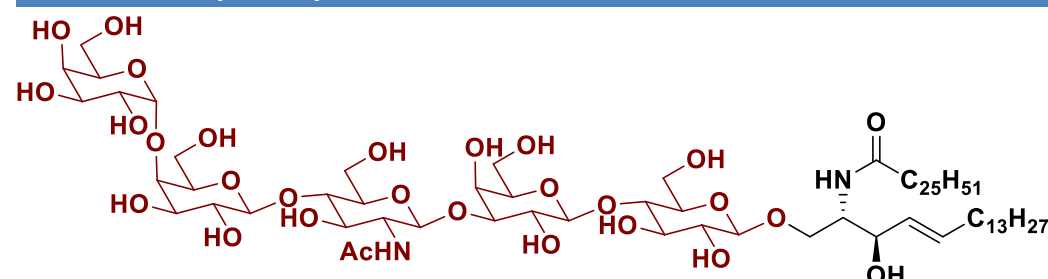
Synonym:



Chemical Formula:	C ₇₆ H ₁₄₀ N ₂ O ₂₈
Molecular Weight:	1529.94
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL415 Gal α 1,4Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

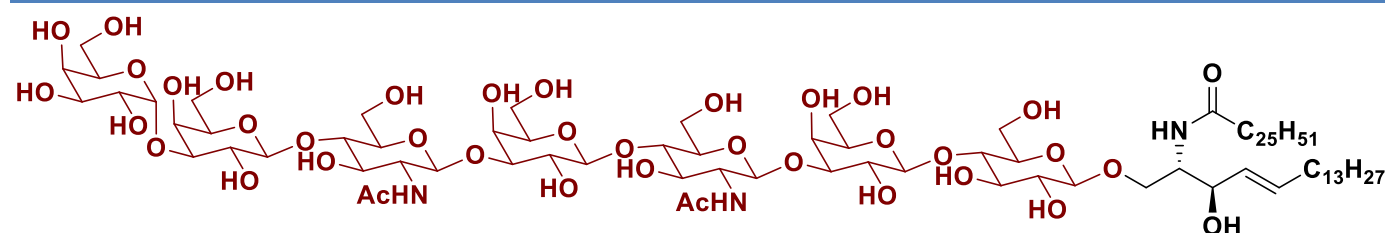
Synonym:



Chemical Formula:	C ₉₂ H ₁₆₄ N ₄ O ₃₉
Molecular Weight:	1529.94
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL416 Gal α 1,3Gal β 1,4GlcNAc β 1,3Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

Synonym:



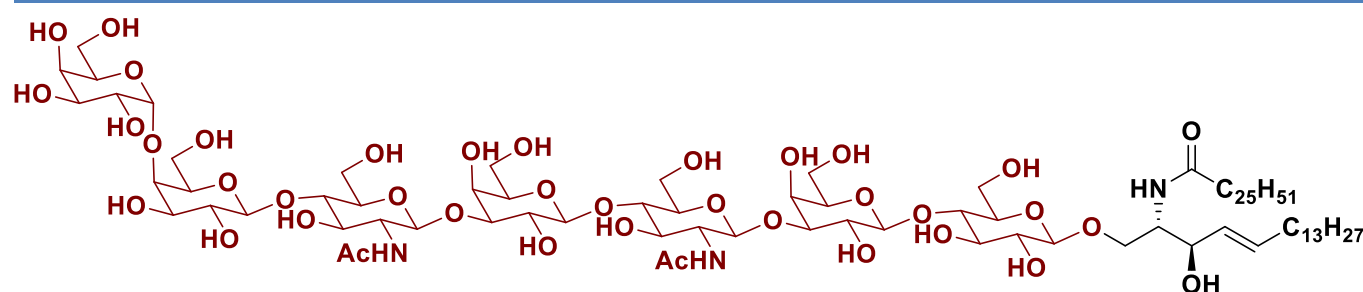
Chemical Formula:	C ₉₀ H ₁₆₃ N ₃ O ₃₈
Molecular Weight:	1895.28
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg





GSL417 Gal α 1,4Gal β 1,4GlcNAc β 1,3Gal β 1,4GlcNAc β 1,3Gal β 1,4Glc Ceramide

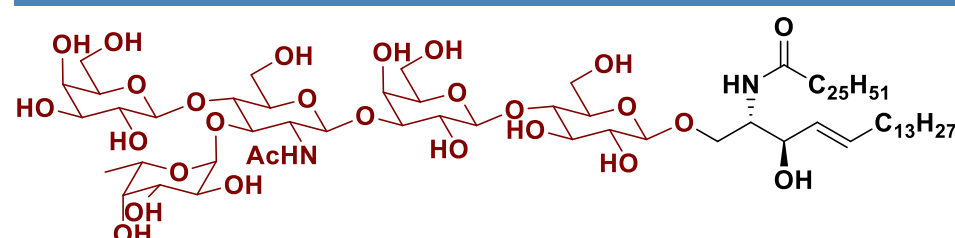
Synonym:



Chemical Formula:	C ₉₀ H ₁₆₃ N ₃ O ₃₈
Molecular Weight:	1895.28
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL418 Fuc α 1,3(Gal β 1,4)GlcNAc β 1,3Gal β 1,4Glc Ceramide

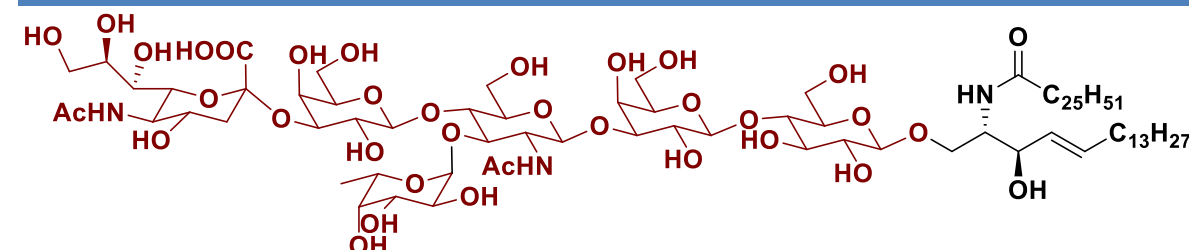
Synonym:



Chemical Formula:	C ₇₆ H ₁₄₀ N ₂ O ₂₇
Molecular Weight:	1513.94
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL419 Fuc α 1,3(Neu5Ac α 2,3Gal β 1,4)GlcNAc β 1,3Gal β 1,4Glc Ceramide

Synonym:



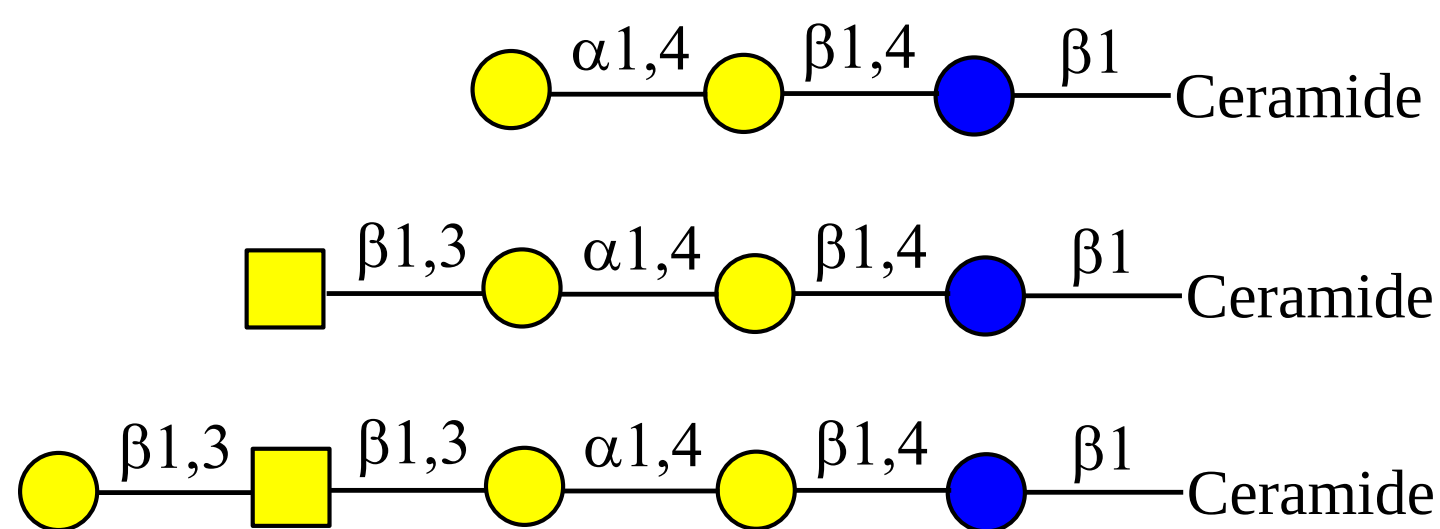
Chemical Formula:	C ₈₇ H ₁₅₇ N ₃ O ₃₅
Molecular Weight:	1805.20
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg



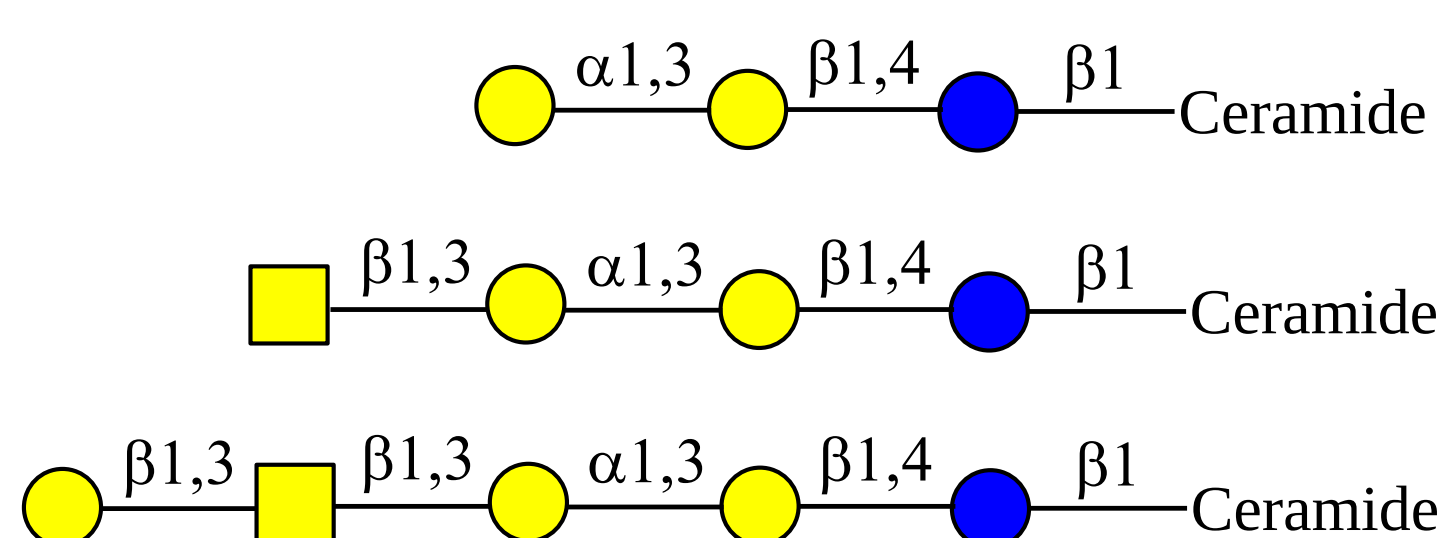


Globo- and isoglobo-series GSLs are membrane-associated antigens. They are recognized by both adhesive proteins such as proteins of pathogenic *E. coli* in human epithelial cells of the urinary tract and toxins including bacterial lectins. Many globo-GSLs have been identified as tumor-specific antigens, exemplified by the observation of elevated globotriaosylceramide levels in Burkitt's lymphoma. Tumor-associated Globo H antigen was initially identified from human breast cancer cell line MCF-7120 and later found in several human cancers. Globo H-based synthetic vaccines have shown promising results in clinical trials for breast and prostate cancers.

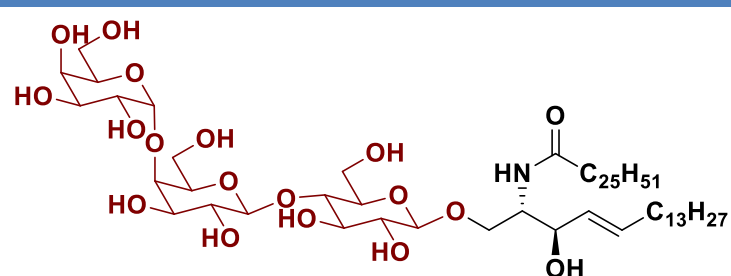
Globo-Series



Isoglobo-Series

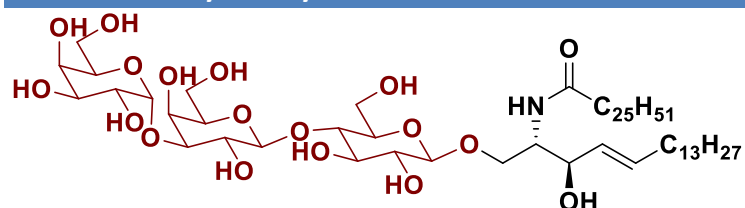


GSL501 Gal $\alpha 1,4$ Gal $\beta 1,4$ Glc Ceramide Synonym: Gb3Cer



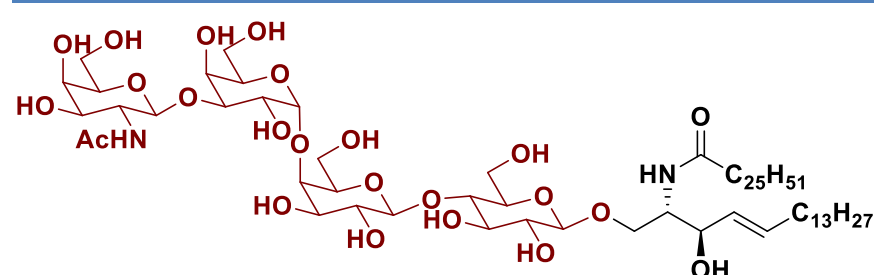
Chemical Formula:	C ₆₂ H ₁₁₇ NO ₁₈
Molecular Weight:	1164.61
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL502 Gal $\alpha 1,3$ Gal $\beta 1,4$ Glc Ceramide Synonym: iGb3Cer



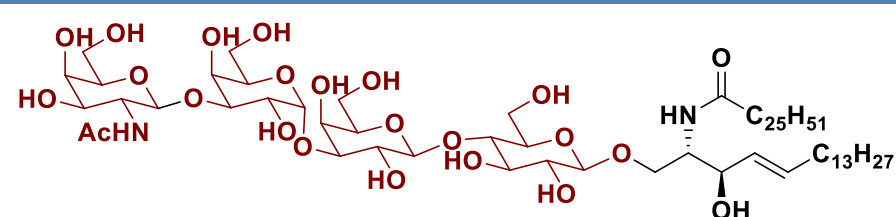
Chemical Formula:	C ₆₂ H ₁₁₇ NO ₁₈
Molecular Weight:	1164.61
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL503 GalNAc $\beta 1,3$ Gal $\alpha 1,4$ Gal $\beta 1,4$ Glc Ceramide Synonym: Gb4Cer



Chemical Formula:	C ₇₀ H ₁₃₀ N ₂ O ₂₃
Molecular Weight:	1367.80
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL504 GalNAc $\beta 1,3$ Gal $\alpha 1,3$ Gal $\beta 1,4$ Glc Ceramide Synonym: iGb4Cer



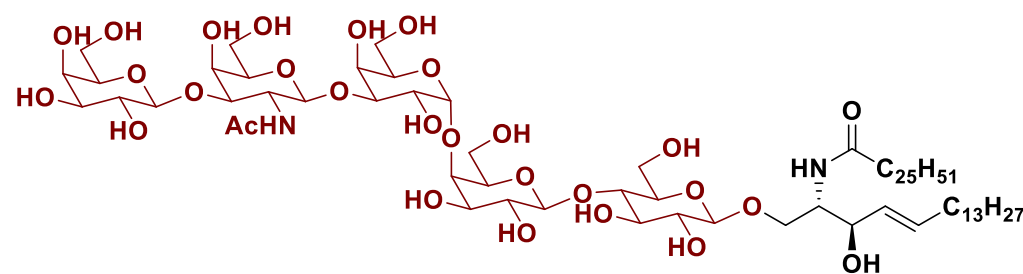
Chemical Formula:	C ₇₀ H ₁₃₀ N ₂ O ₂₃
Molecular Weight:	1367.80
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg





GSL505 Gal β 1,3GalNAc β 1,3Gal α 1,4Gal β 1,4Glc Ceramide

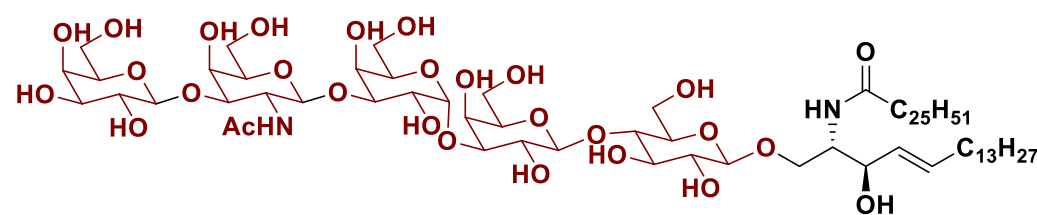
Synonym: Gb5Cer



Chemical Formula:	C ₇₆ H ₁₄₀ N ₂ O ₂₈
Molecular Weight:	1529.94
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL506 Gal β 1,3GalNAc β 1,3Gal α 1,3Gal β 1,4Glc Ceramide

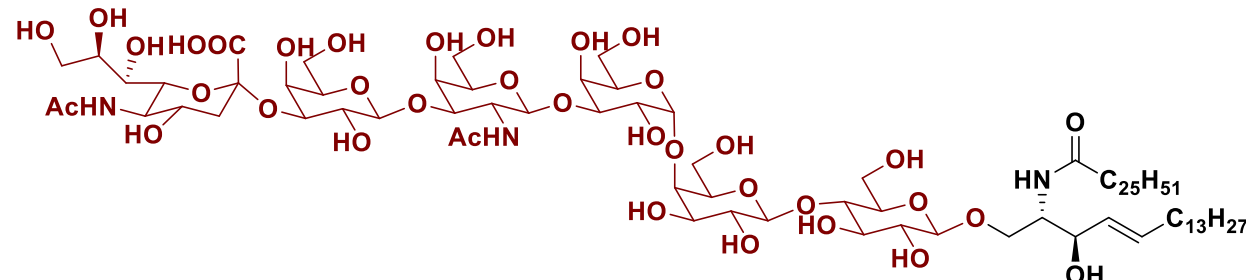
Synonym: iGb5Cer



Chemical Formula:	C ₇₀ H ₁₃₀ N ₂ O ₂₃
Molecular Weight:	1367.80
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL507 Neu5Ac α 2,3Gal β 1,3GalNAc β 1,3Gal α 1,4Gal β 1,4Glc Ceramide

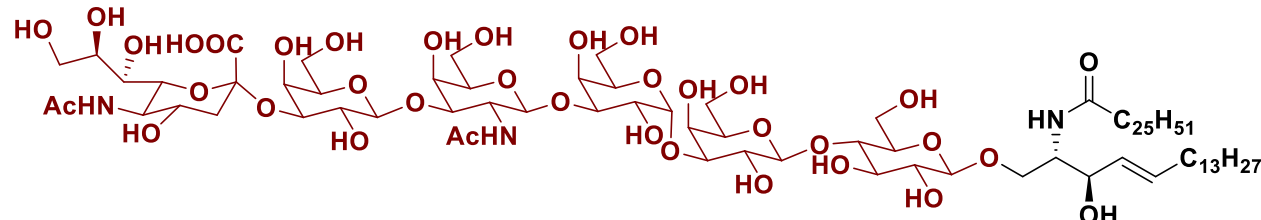
Synonym:



Chemical Formula:	C ₈₇ H ₁₅₇ N ₃ O ₃₆
Molecular Weight:	1821.20
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL508 Neu5Ac α 2,3Gal β 1,3GalNAc β 1,3Gal α 1,3Gal β 1,4Glc Ceramide

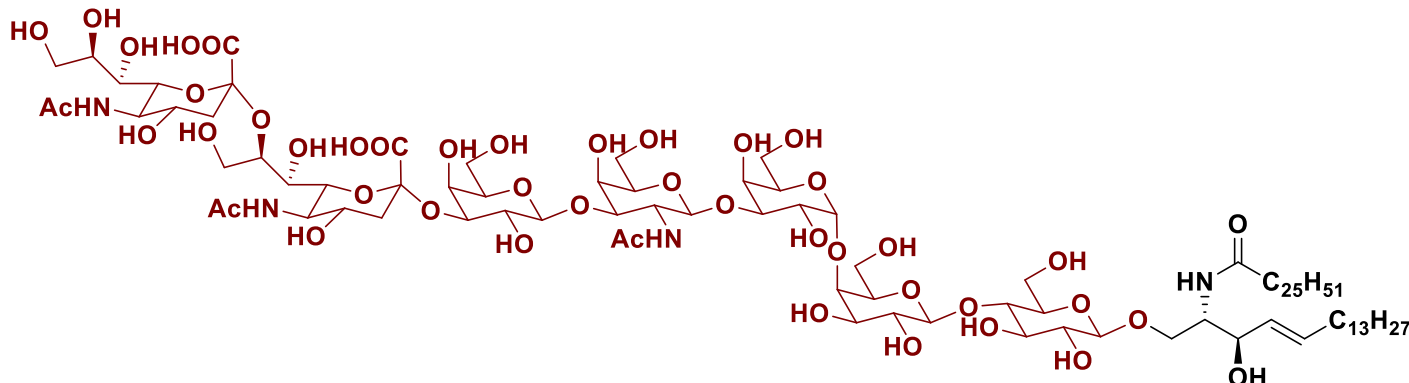
Synonym:



Chemical Formula:	C ₈₇ H ₁₅₇ N ₃ O ₃₆
Molecular Weight:	1821.20
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL509 Neu5Ac α 2,8Neu5Ac α 2,3Gal β 1,3GalNAc β 1,3Gal α 1,4Gal β 1,4Glc Ceramide

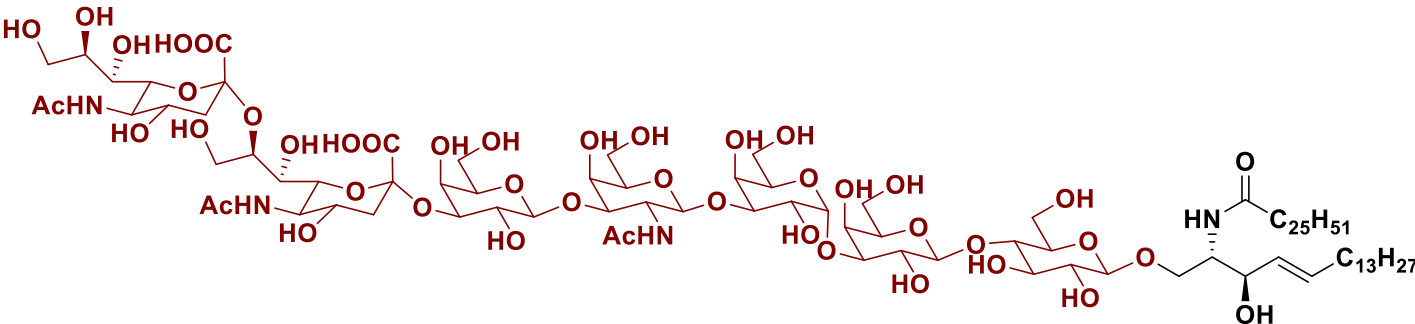
Synonym:



Chemical Formula:	C ₉₈ H ₁₇₄ N ₄ O ₄₄
Molecular Weight:	2112.45
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL510 Neu5Ac α 2,8Neu5Ac α 2,3Gal β 1,3GalNAc β 1,3Gal α 1,3Gal β 1,4Glc Ceramide

Synonym:



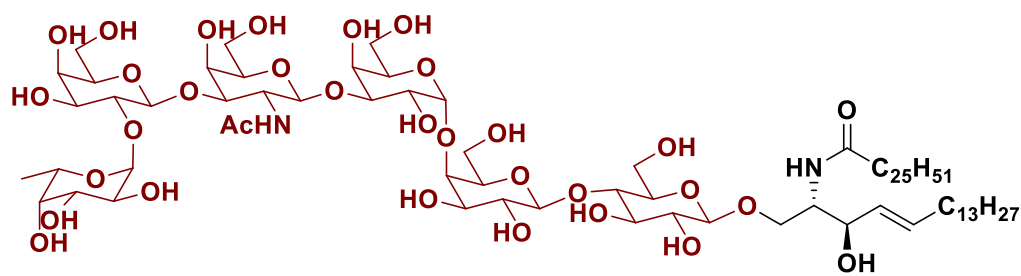
Chemical Formula:	C ₉₈ H ₁₇₄ N ₄ O ₄₄
Molecular Weight:	2112.45
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg





GSL511 Fucα1,2Galβ1,3GalNAcβ1,3Galα1,4Galβ1,4Glc Ceramide

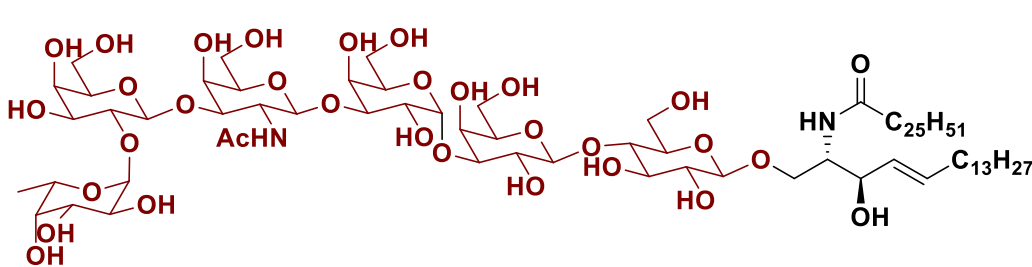
Synonym:



Chemical Formula:	C ₈₂ H ₁₅₀ N ₂ O ₃₂
Molecular Weight:	1676.08
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

GSL512 Fucα1,2Galβ1,3GalNAcβ1,3Galα1,3Galβ1,4Glc Ceramide

Synonym:



Chemical Formula:	C ₈₂ H ₁₅₀ N ₂ O ₃₂
Molecular Weight:	1676.08
CAS No.:	
Pack size:	1 mg, 5 mg, 10 mg, 50 mg, 100 mg

