

	BbGL-I	BbGL-I-Ac ₃	Cholesterol	BbGL-II	BbGL-II-Ac ₄	MGDG	Palmitic acid	Oleic acid	1,2-Dipalmitin	Me- α -D-Galp (in D ₂ O)	Me- β -D-Galp (in D ₂ O)
C-25	28.03	28.03	28.02								
C-26	22.57	22.57	22.57								
C-27	22.82	22.82	22.81								
C-1' (Gal)	101.43	100.31		99.32	96.62	104.20				102.27	106.69
C-2'	71.90 ^a	69.18		69.37	67.99	71.40				72.33	73.59
C-3'	73.30 ^a	71.07		70.88	67.50	73.57				71.04	75.65
C-4'	68.35, 68.32	67.17, 67.15		70.31	67.89	68.98				72.08	71.54
C-5'	72.27, 72.25	70.69		70.04	66.51	75.25				73.59	78.00
C-6'	62.46, 62.42	61.27, 61.24		63.06	61.61	61.59				64.09	63.84
OMe										57.88	60.02
Ac (Me)		20.83, 20.69,			20.70, 20.66						
		20.61			20.65, 20.62						
Ac (C = O)		170.36, 170.26,			170.42, 170.32						
		169.50			170.17, 169.95						
C-1'' (C = O)	173.82 ^b	173.32 ^c		173.59 ^d , 173.56 ^d	173.27 ^e , 173.24 ^e	174.33, 174.03 ^f	179.82			173.79, 173.43	
C-2''	34.27 ^g	34.08 ^h		34.28	34.22 ^j	34.48, 34.34	34.00			34.33, 34.14	
C-3''	24.98 ^k	24.86		24.90	24.90	25.08	24.69			24.97, 24.92	
C-4''-C-13''	29.77-29.18	29.79-29.12		29.78-29.11	29.78-29.09	29.88-29.29	29.69-29.08			29.72-29.12	
C-14''	31.95	31.96		31.94 ^l	31.94 ^m	32.11	31.95			31.95	
C-15''	22.70 ⁿ	22.70 ^o		22.70	22.70	22.86	22.69			22.71	
C-16''	14.13	14.12		14.12	14.12	14.17	14.12			14.12	
C-1''' (C = O)	173.80 ^b	173.29 ^c		173.26 ^d	172.97 ^e			179.87			
C-2'''	34.24 ^e	34.05 ^h		34.10	34.05 ^j			34.01			
C-3'''	24.95 ^k	24.86		24.90	24.90			24.68			
C-4'''-C-15'''	29.77-29.18	29.79-29.12		29.78-29.11	29.78-29.09			29.79-29.05			
C-16'''	31.95	31.96		31.92 ^l	31.92 ^m			31.92			
C-17'''	22.71 ⁿ	22.60 ^o		22.70	22.70			22.69			
C-18'''	14.13	14.12		14.12	14.12			14.11			
C-9''' = C-10'''	130.07, 129.70	130.03, 129.75		130.06, 129.70	130.04, 129.71			130.04, 129.74			
C-8'''-C = C,	27.25 ^p	27.24		27.24 ^q	27.24 ^r			27.24 ^s			
C-11'''-C = C	27.21 ^p	27.24		27.20 ^q	27.20 ^r			27.17 ^s			

	BbGL-I	BbGL-I-Ac ₃	Cholesterol	BbGL-II	BbGL-II-Ac ₄	MGDG	Palmitic acid	Oleic acid	1,2-Dipalmitin	Me- α -D-Galp (in D ₂ O)	Me- β -D - Galp (in D ₂ O)
C-1 ^{'''} (Gro)				62.11	62.04	63.04			62.02		
C-2 ^{'''}				69.90	69.81	70.58			72.16		
C-3 ^{'''}				66.76	66.64	68.06			61.62		

BbGL-I, , *Borrelia burgdorferi* glycolipid I; BbGL-II, , *Borrelia burgdorferi* glycolipid II; MGDG, monogalactosyl diglyceride; Me- α -D-Galp, methyl α -D-galactopyranoside; Me- β -D-Galp, methyl β -D-galactopyranoside.

^{a-e} Assignments interchangeable.

^f The shifts in this group refer to stearoyl substituents, not to palmitoyl.

^{g-s} Assignments interchangeable.