Table 5. NMR Chemical Shifts of the Smith Oligosaccharide of *Vibrio vulnificus* ATCC 27562[a]

Resonance	Residue				
	α-MurNAc	α-GalA	β-GlcNAc	Ser	Tetritol[b]
	a	**b**	**d**	**s**	**t**
H1	5.290	5.246	4.410		3.651
	(3.42)[c]	(3.76)[c]	(8.59)[c]		
H1′					3.627
H2	3.595	3.761	3.673		3.746
H2′	4.600				
H3	3.743	3.963	3.776		4.060
H3′	1.401				
H4	3.732	4.206	3.353		1.201
H5	3.968	4.626	3.300		
H6	3.798		3.875		
H6′	3.769		3.650		
H_α				4.289	
H_β				3.910	
$H_\beta{}'$				3.860	
H_N				7.940	
NAc:					
H_N	10.109		7.901		
H_{Me}	2.120		2.020		
C1	98.674	98.479	103.150		62.100
C1′	181.155				
C2	54.912	67.740	56.470		82.336
C2′	79.419				
C3	76.695	79.800	73.200		67.360
C3′	18.929				
C4	71.055	71.833	71.060		17.762
C5	73.000	77.863	76.110		
C6	59.774	170.846	62.300		
C_α				57.246	
C_β				62.886	
NAc:					
C_{Me}	23.070		23.062		
C_{CO}	174.725		174.720		

[a] Chemical Shifts are with reference to internal acetone (^1H 2.225 ppm; ^{13}C 31.07 ppm).

[b] Numbering of atoms of tetritol moeity is as follows:
1 hydroxy methyl; 2 linkage point; 4 methyl.

[c] Homonuclear vicinal coupling constants ($^3J_{H1H2}$) of anomeric protons.