

Contents	page
Section A: NMR data for sugar moiety of Philinopside E and 1	S2
Section B: NMR spectra	S3-S39

Section A: NMR data for sugar moiety of Philinopside E and **1 in pyridine-*d*₅**

¹³ C NMR		¹ H NMR	
Philinopside E	1	Philinopside E	1
105.4	106.0	5.28 (1H, d, 8.0)	5.40 (1H, d, 7.7)
105.3	105.9	5.05 (1H, m)	Peak overlap with water
105.1	105.7	5.04 (1H, d, 7.2)	
105.1	105.7	4.82 (1H, d, 7.2)	4.87 (1H, d, 7.3)
87.9	88.5	4.72 (1H, m)	4.77 (1H, m)
87.4	87.6	4.72 (1H, d, 6.8)	4.74 (1H, d, 6.9)
86.0	86.5	4.43 (1H, d, 10.0)	4.49 (1H, d, 10.6)
83.4	84.0	4.25 (1H, m)	4.38-3.95 (12H, m)
78.1	78.7	4.20 (1H, m)	
76.3	76.8	4.17 (1H, m)	
75.5	76.2	4.10 (1H, m)	
75.3	76.1	4.05 (1H, m)	
75.3	75.8	4.02 (1H, m)	
75.0	75.6	4.02 (1H, m)	
73.6	74.3	3.98 (1H, m)	
71.8	72.3	3.96 (1H, m)	
70.0	71.1	3.96 (1H, m)	
69.0	69.4	3.95 (1H, m)	
66.5	67.1	3.93 (1H, m)	
64.2	64.9	3.84 (3H, s)	3.88 (3H, s)
62.1	62.5	3.73 (1H, m)	3.82-3.67 (3H, m)
60.7	61.4	3.71 (1H, m)	
18.0	18.5	3.64 (1H, m)	
		3.60 (1H, t, 8.8)	3.67-3.54 (2H, m)
		3.59 (1H, m)	
		1.68 (3H, d)	1.74 (3H, d, 5.4)

Section B: NMR spectra









































































