

Table 5. NMR Spectroscopic Data (400 MHz) for Compounds 17 - 20

	18 ^a		
position	δ_H (<i>J</i> in Hz)	δ_C	HMBC (H to C)
upper moiety			
2		153.9	
3		120.3	
4		196.4	
4a		116.4	
5	6.93 (s)	103.1	4a, 6, 7, 8 of upper moiety
6		143.2	
7		142.8	
8		112.2	
8a		148.3	
1'		111.2	
2'		156.9	
3'	6.37 (d, 2.5)	103.6	1', 4', 5' of upper moiety
4'		160.9	
5'	6.51 (dd, 8.5, 2.5)	108.6	1', 3' of upper moiety
6'	7.49 (d, 8.5)	131.7	2, 2', 4' of upper moiety
isoprenyl at 8			
α	3.67 (brd, 7.5)	23.8	7, 8, 8a, β , γ of upper moiety
β	5.48 (overlapped)	122.7	
γ		132.0	
δ	1.66 (brs) ^j	25.9	
ϵ	1.87 (brs)	18.0	
at 5'			
α'			
β'			
γ'			
δ'			
ϵ'			
lower moiety			
1	7.19 (s)	132.3	3, 4, 4a, 11a, α'' of lower moiety
2		123.8	
3		157.2	
4	6.36 (s)	103.8	2, 4a of lower moiety
4a		155.6	
6	3.25 (dd, 11, 11)	66.8	6a, 11a of lower moiety
6	3.90 (dd, 11, 5)		6a, 11a, 11b of lower moiety
6a	3.40 (m)	39.9	6 of lower moiety
11a	5.48 (d, 7)	80.3	1, 4a, 6, 10b, 11b of lower moiety
11b		111.6	
10b		119.3	
7	7.42 (s)	127.9	4 of upper moiety and 9 of lower moiety
8		115.2	6, 6a of lower moiety
9		164.5	
10		111.9	
10a		164.4	
isoprenyl at 2			
α''	3.29 (brd, 7.5)	28.4	
β''	5.35 (tsept., 7.5, 1)	122.9	
γ''		132.3 ^j	
δ''	1.78 (brs) ^j	25.9	
ϵ''	1.70 (brs) ^j	17.8 ^k	
at 10			
α'''	3.27 (brd, 7.5)	22.8	
β'''	5.26 (tsept., 7.5, 1)	122.9	
γ'''		132.2 ^j	
δ'''	1.73 (brs) ^j	25.9	
ϵ'''	1.74 (brs) ^j	17.9 ^k	
OH at 9	13.44 (s)		8, 9, 10 of lower moiety