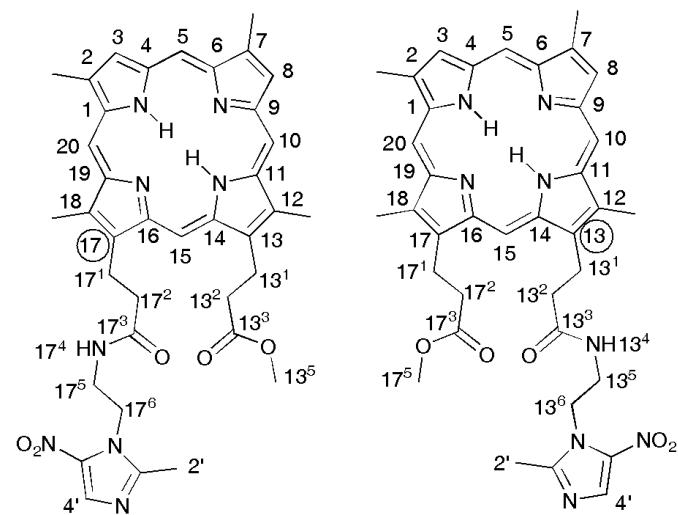


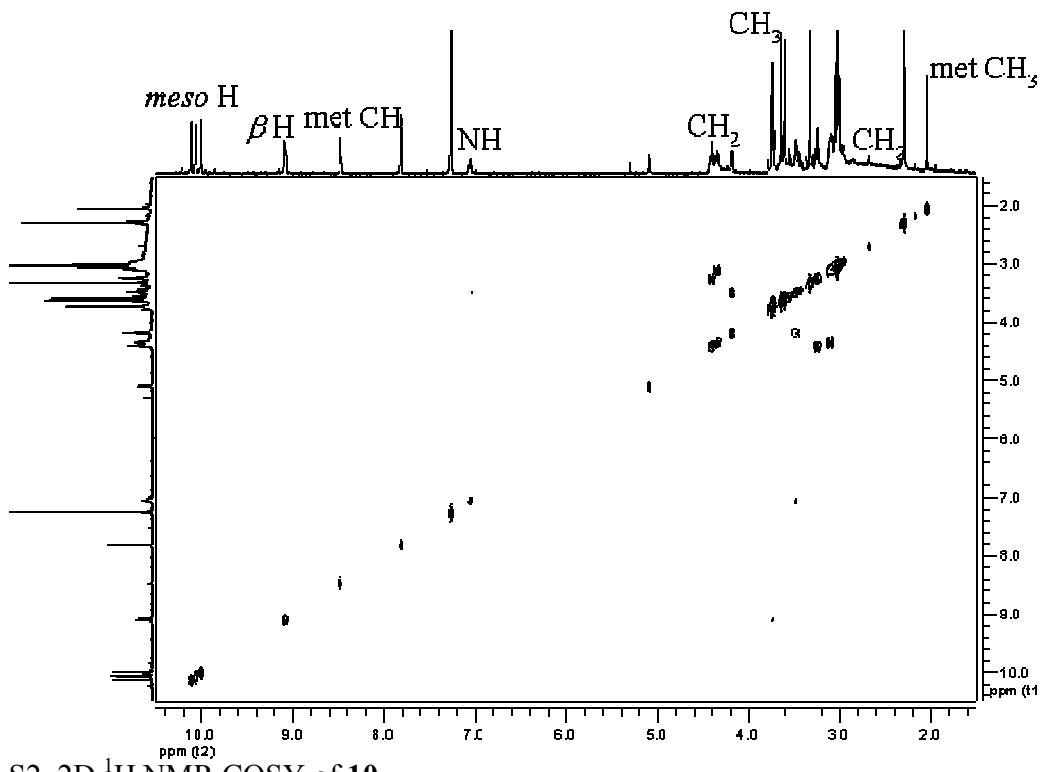
Supporting Information

Porphyrin-linked nitroimidazole antibiotics targeting *Porphyromonas gingivalis*

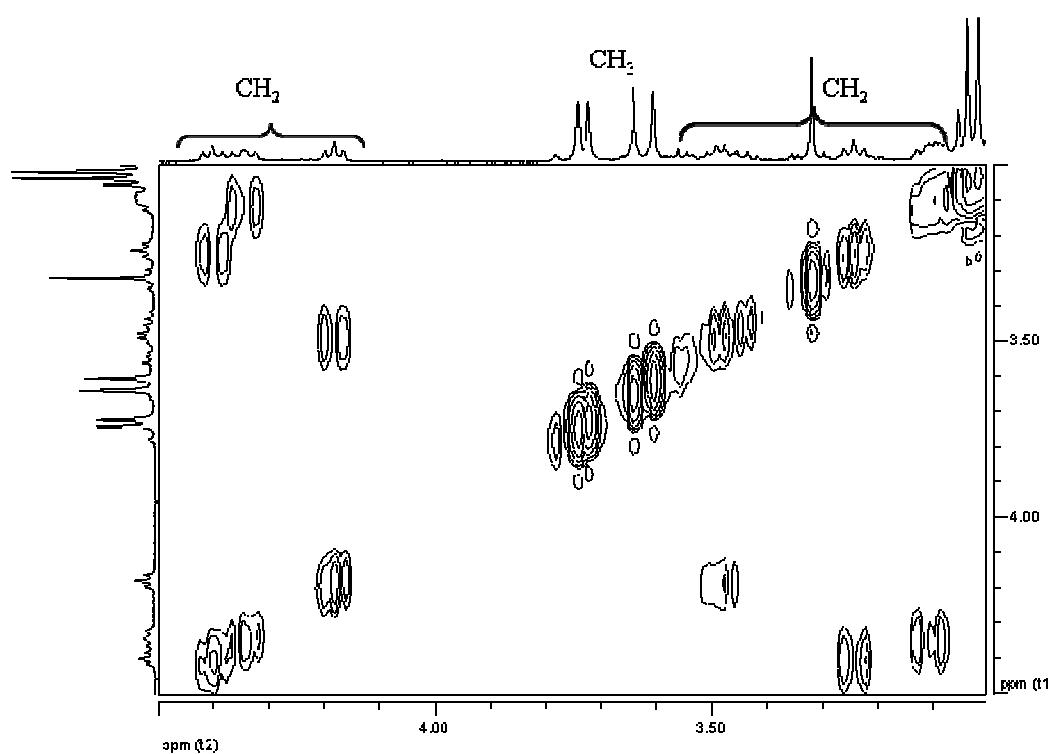
Benjamin C.-M. Yap, Grace L. Simpkins, Charles A. Collyer, Neil Hunter and Maxwell J. Crossley



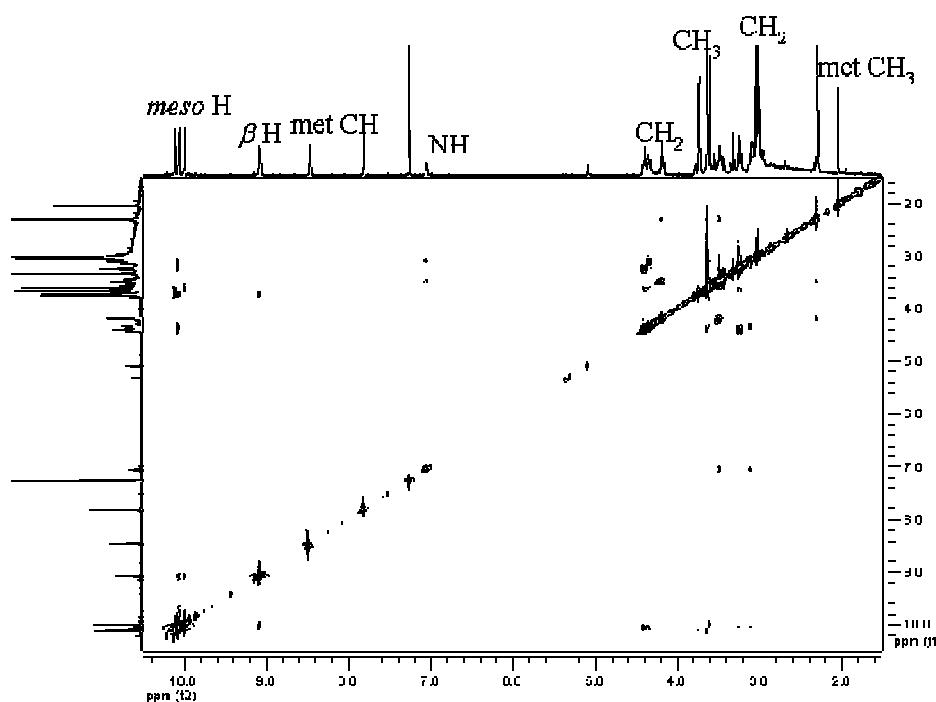
S1. Structures of **9** and **10** with numbering.



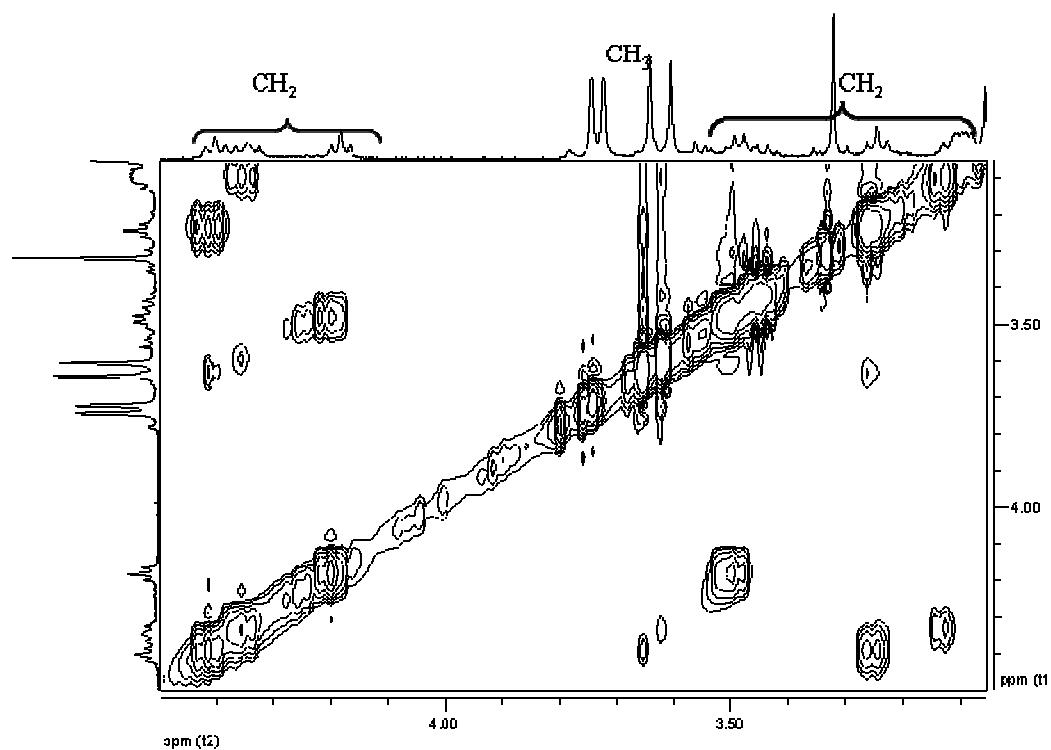
S2. 2D ¹H NMR COSY of **10**.



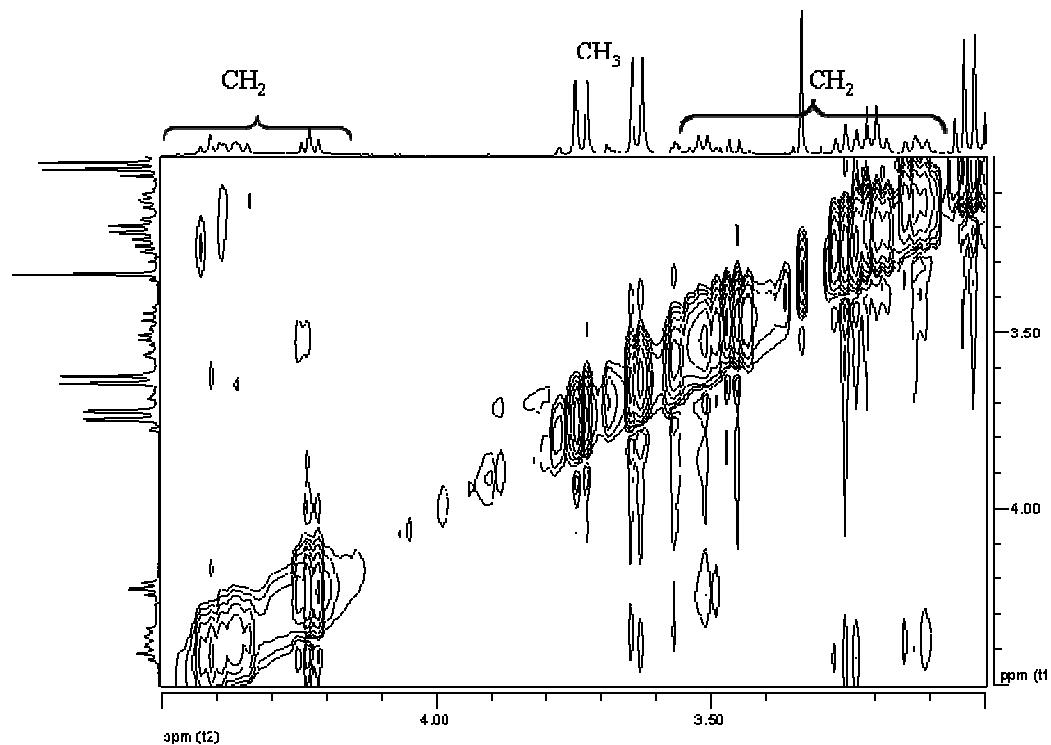
S3. Expansion of 2D ¹H NMR COSY of **10**.



S4. 2D ¹H NMR NOESY of **10**.



S5. Expansion of 2D ¹H NMR NOESY of **10**.



S6. Expansion of 2D ¹H NMR NOESY of **9**.

δ		meso H				β H		Met CH	NH	CH ₂			CH ₃				CH ₂			Met CH ₃	
		10.12	10.07	10.06	10.00	9.10	9.08	8.47	7.05	4.40	4.35	4.18	3.74	3.72	3.64	3.61	3.49	3.24	3.11	2.30	
		20	15	5	10	3	8	4'	17 ⁴	13 ¹	17 ¹	17 ⁶	2	7	18	12	17 ⁵	13 ²	17 ²	2'	
Met CH ₃	2'												+								/\diag
CH ₂	17 ²								+		+							+		/\diag	
	13 ²									+									/\diag		
	17 ⁵								+			+						/\diag		+	
CH ₃	12					+				+											
	18	+									+										
	7			+			+														
	2	+					+														
CH ₂	17 ⁶								+									+		+	
	17 ¹		+						+											+	
	13 ¹		+															+	+		
NH	17 ⁴												+	+					+	+	
Met CH	4'																				
β H	8					+												+			
	3				+													+			
meso H	10																		+		
	5																	+			
	15																				
	20																				

S7. Chemical shifts, coupling and assignment of peaks (+) for **9** from NOESY spectrum.

δ		meso H				β H		Met CH	NH	CH ₂			CH ₃				CH ₂			Met CH ₃
		10.12	10.07	10.06	10.00	9.10	9.08	8.47	7.05	4.40	4.35	4.18	3.74	3.72	3.64	3.61	3.49	3.24	3.11	2.30
		20	15	5	10	3	8	4'	13	17 ¹	13 ¹	13 ⁶	2	7	18	12	13 ⁵	17 ²	13 ²	2'
Met CH ₃	2'											+								/\
CH ₂	13 ²								+		+							+	/\	
	17 ²									+								/\		
	13 ⁵								+		+						/\			+
CH ₃	12					+					+						/\			
	18	+								+							/\			
	7			+			+										/\			
	2	+					+										/\			
CH ₂	13 ⁶								+									+		+
	13 ¹		+						+									+		+
	17 ¹		+															+	+	
NH	13 ⁴												+	+				+		+
Met CH	4'																			
β H	8					+												+		
	3				+													+		
meso H	10																	+		
	5																	+		
	15																			
	20																			

S8. Chemical shifts, coupling and assignment of peaks (+) for **10** from NOESY spectrum

