Electronic Supplementary Information

Synthetic, Spectral and Structural Studies of a Schiff Base and its Anticorrosive Activity on Mild Steel in H₂SO₄

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Bond length (Å)		Bond Angle (°)	
O(1)- C(3)	1.235(3)	C(7)-C(8)-C(9)	120.5(3)
N(1)- C(1)	1.356(3)	C(6)-C(7)-C(8)	120.3(3)
N(1)- N(2)	1.409(3)	C(18)-C(17)-C(16)	121.9(3)
N(1) C(10)	1.463(3)	C(1)-N(1)-N(2)	106.9(2)
N(3)- C(12)	1.277(3)	C(1)-N(1)-C(10)	123.9(2)
N(3)- C(2)	1.396(3)	N(2)-N(1)-C(10)	117.4(2)
N(2)- C(3)	1.405(3)	C(12)-N(3)-C(2)	121.0(2)
N(2)- C(4)	1.423(3)	C(3)-N(2)-N(1)	108.8(2)
		C(3)-N(2)-C(4)	122.0(2)
		N(1)-N(2)-C(4)	119.3(2)
		N(1)-C(1)-C(2)	110.5(2)
		N(1)-C(1)-C(11)	121.7(2)
		C(2)-C(1)-C(11)	127.8(3)
		C(1)-C(2)-N(3)	122.2(2)
		C(1)-C(2)-C(3)	108.0(2)
		N(3)-C(2)-C(3)	129.5(2)
		O(1)-C(3)-N(2)	122.9(2)
		O(1)-C(3)-C(2)	132.0(3)
		N(2)-C(3)-C(2)	105.0(2)
		C(9)-C(4)-C(5)	120.1(3)
		C(9)-C(4)-N(2)	121.5(2)
		C(5)-C(4)-N(2)	118.3(3)
		N(3)-C(12)-C(13)	121.5(3)
		C(6)-C(5)-C(4)	119.4(3)
		C(18)-C(13)-C(14)	117.6(3)
		C(18)-C(13)-C(12)	122.1(3)
		C(14)-C(13)-C(12)	120.3(3)
		C(15)-C(14)-C(13)	121.7(3)
		C(4)-C(9)-C(8)	119.4(3)
		C(16)-C(15)-C(14)	120.4(3)
		C(15)-C(16)-C(17)	118.0(3)
		C(15)-C(16)-C(19)	121.1(3)
		C(17)-C(16)-C(19)	120.9(3)
		C(7)-C(6)-C(5)	120.3(3)
		C(17)-C(18)-C(13)	120.5(3)

Table S1. Selected bond lengths (Å), and bond angles (°) for L.

Table S2. Hydrogen bond parameters for L.

D-H···A-X	d H···A Å	D D…A Å	θ D-H···A°		
1					
C(12)-H(12)···· O(1)	2.37(3)	3.047(4)	125(2)		
C(15)-H(15)···· O(1) ^a	2.48	3.313(4)	149		
symmetry equivalents: (a)2-X,-Y,-Z.					



Figure F1. ¹H NMR spectrum of L.



Figure F2. ¹³C NMR spectrum of L.

Qualitative Compound Report

