Electronic supplementary information (ESI)

Structural Modulation of Silver Complexes and Their Distinctive Catalytic Properties

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Table S1 Distances [Å] and angles [°] of hydrogen bonding for complexes **1 - 3**[a]

D-H ··A [b]	Distance (D ··A [b])	D-H-A [b]	Angle (D-H-A [b])
	1		
C5-H5B ··F4#1	3.444	C5-H5B-F4	152
C6-H6B ···O7#2	3.260	C6-H6B-O7	140
C8-H8B ··O5#3	3.031	C17-H17A-O8	100
C23-H23B ··O6#4	2.980	C23-H23B-O6	98
C25-H25A ··O8#5	3.142	C25-H25A-O8	139
	2		
C2-H2A ··F2#6	2.614(4)	C2-H2A-F2	124
	3		
C19-H7 ··O4#7	3.170(12)	C1-H1-F6	131
C19-H7 ··O3#8	3.411(10)	C4-H4-F1	148
C29-H15 ··O2#9	2.668(3)	C29-H15-O2	151

[a] Symmetry codes for **1-3**: #1: -x, 1/2+y, -1/2-z; #2: -1+x, 3/2-y, 1/2+z; #3: x, 3/2-y, -1/2+z; #4: -1+x, 3/2-y, 1/2+z; #5: -x, 2-y, -z; #6: 2-x, -y, 1-z; #7: -1/2+x, 1/2+y, z; #8: 1/2-x, 3/2-y, 1-z; #9: 1/2-x, 1/2-y, 1-z. [b] D: donor; A: acceptor

NMR spectra

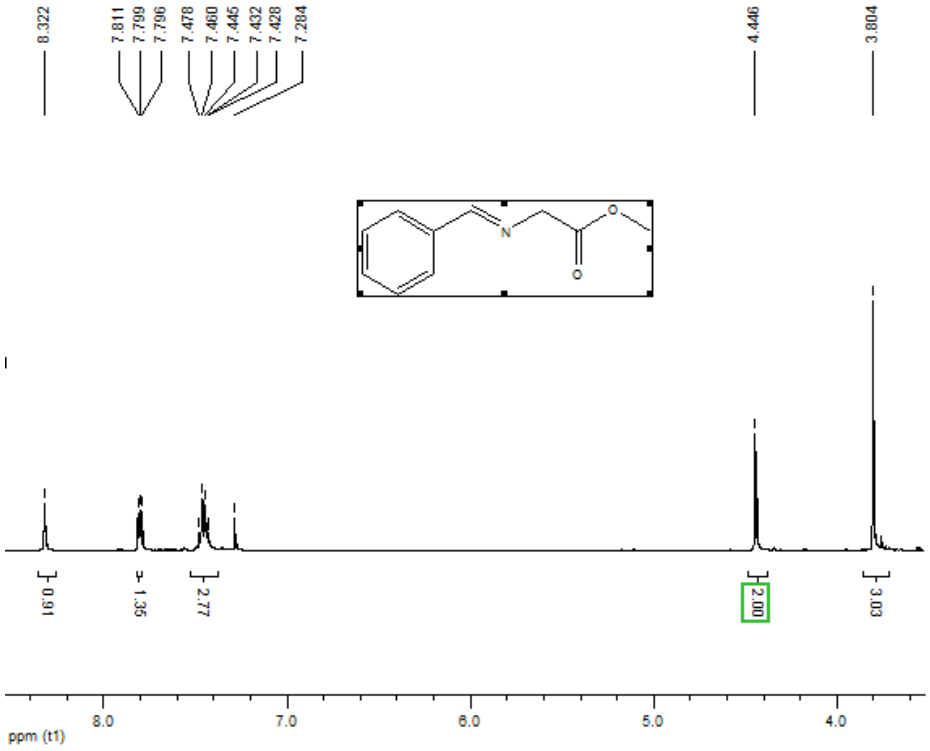

Figure S1

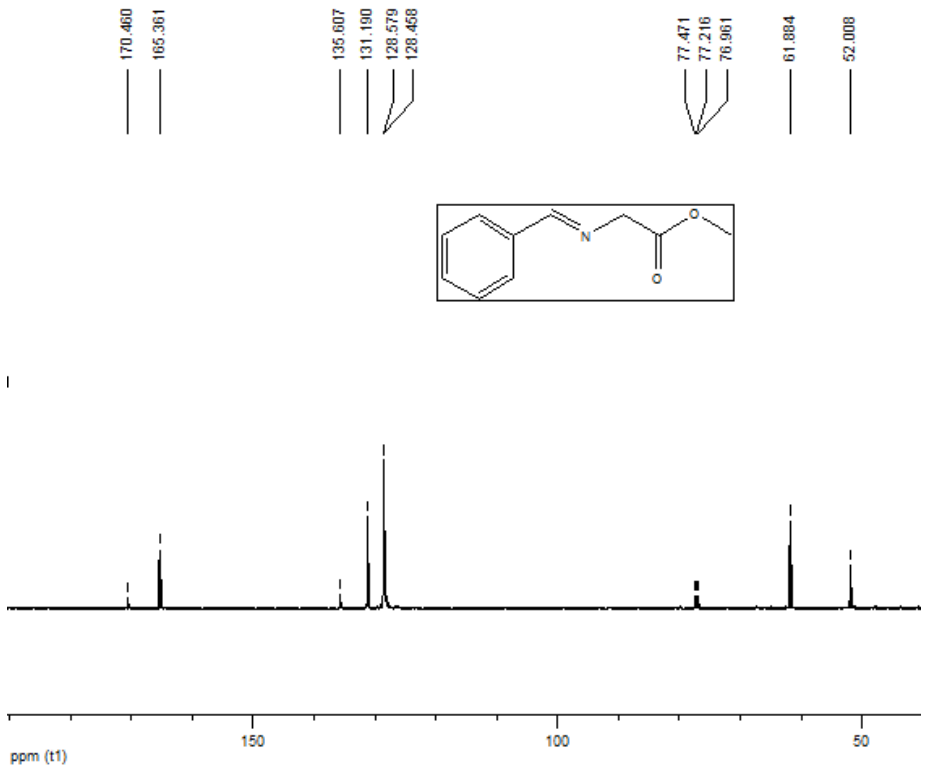

Figure S2

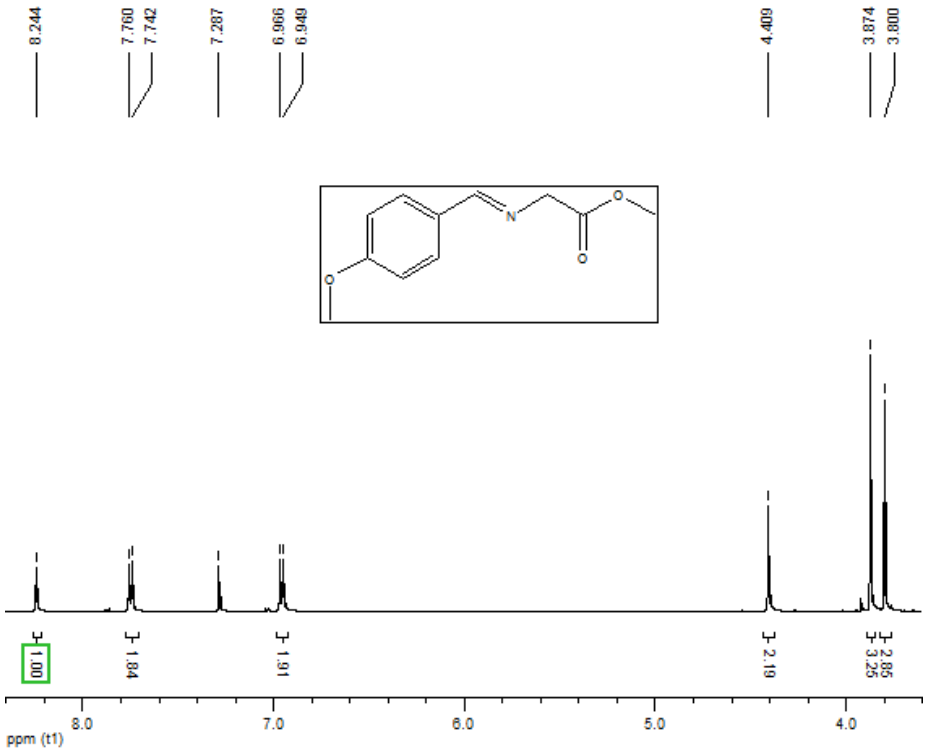

Figure S3

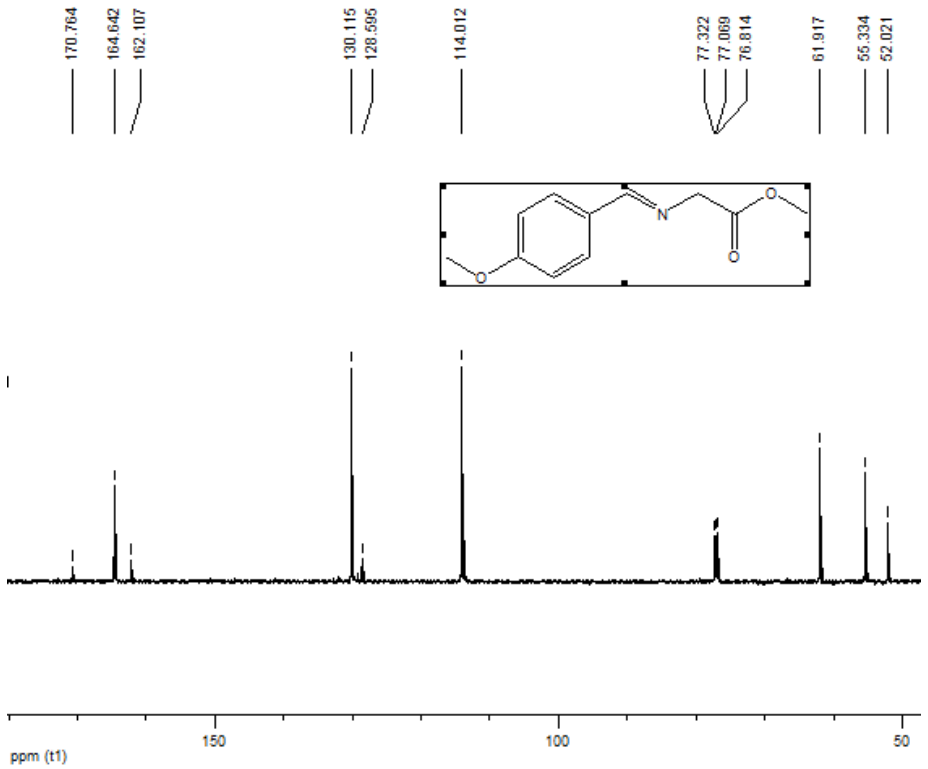

Figure S4

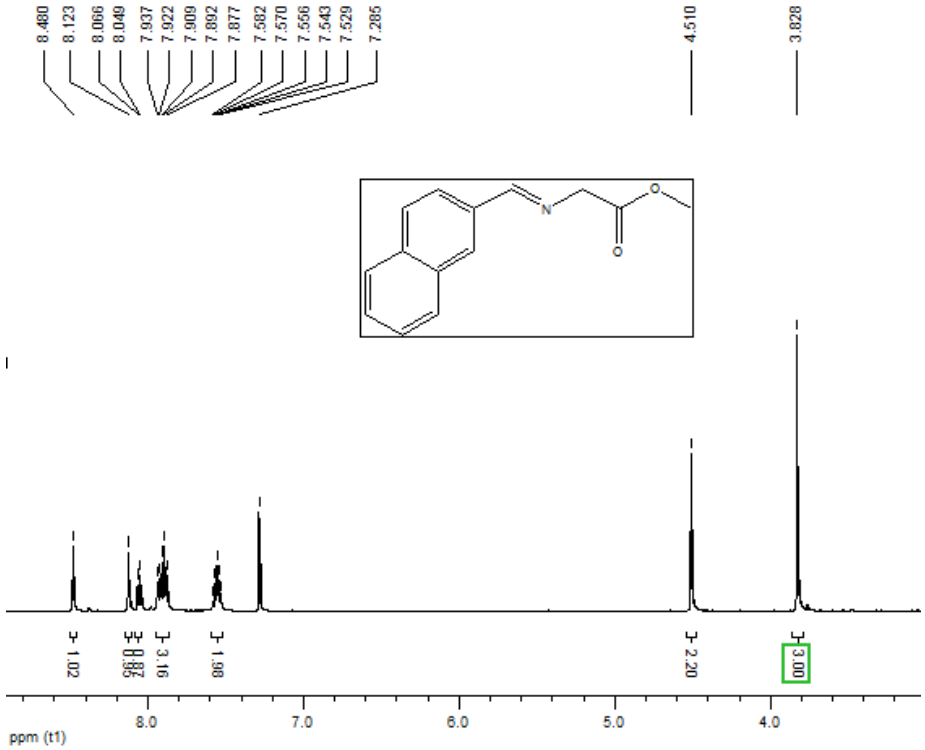

Figure S5

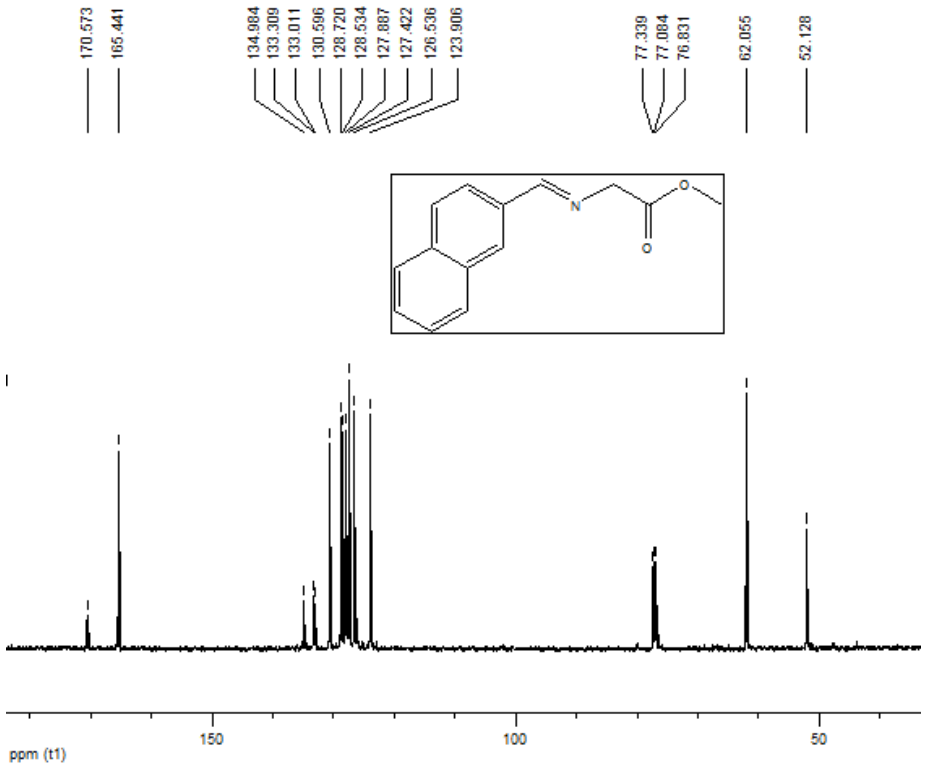

Figure S6

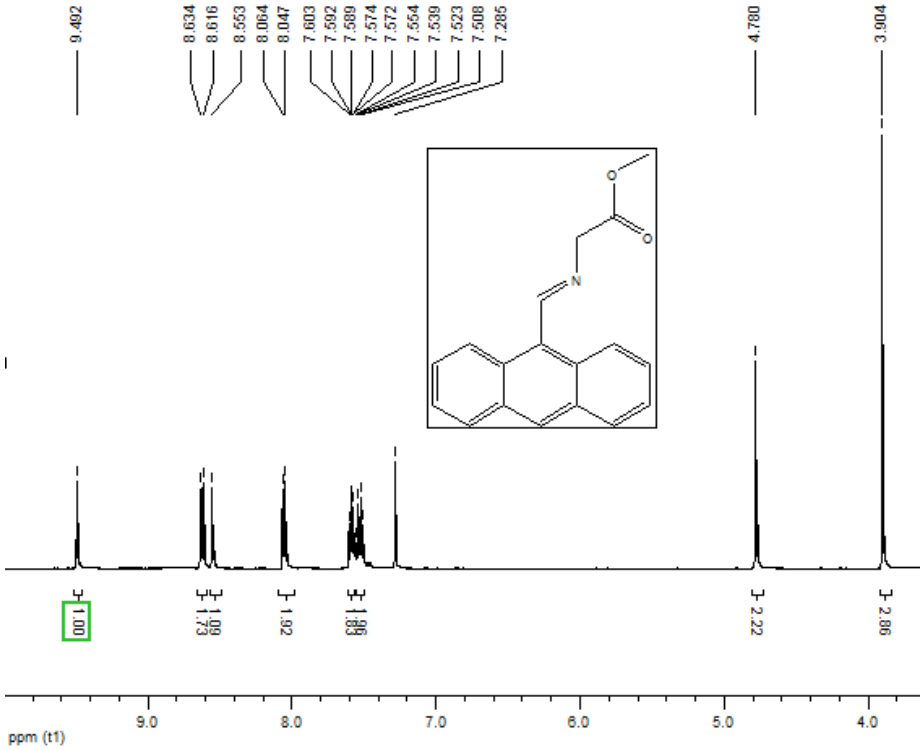

Figure S7

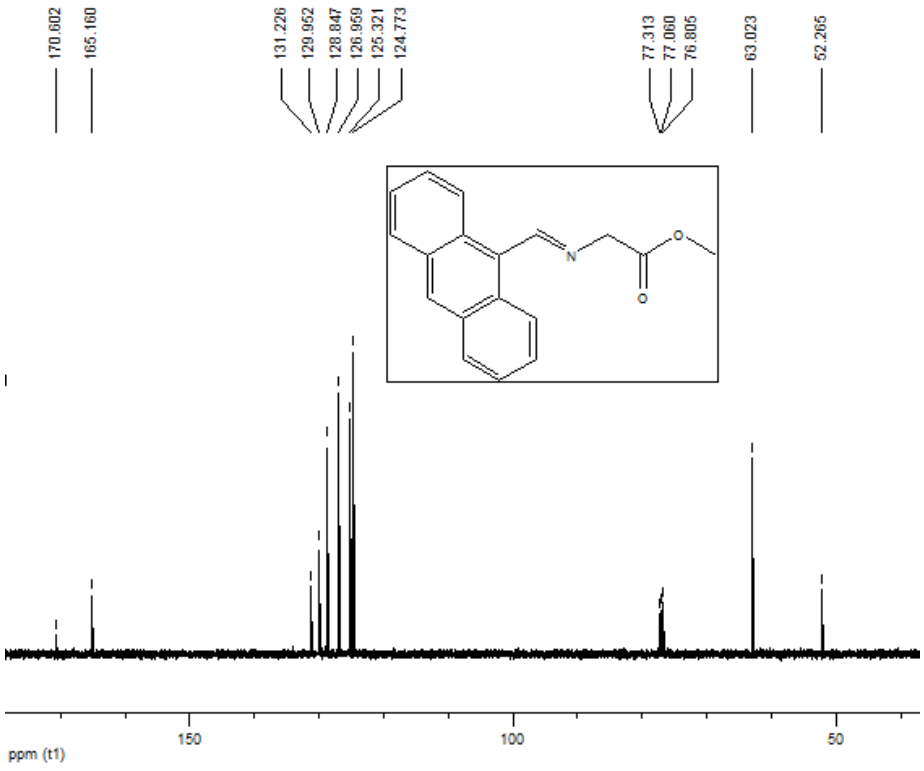

Figure S8

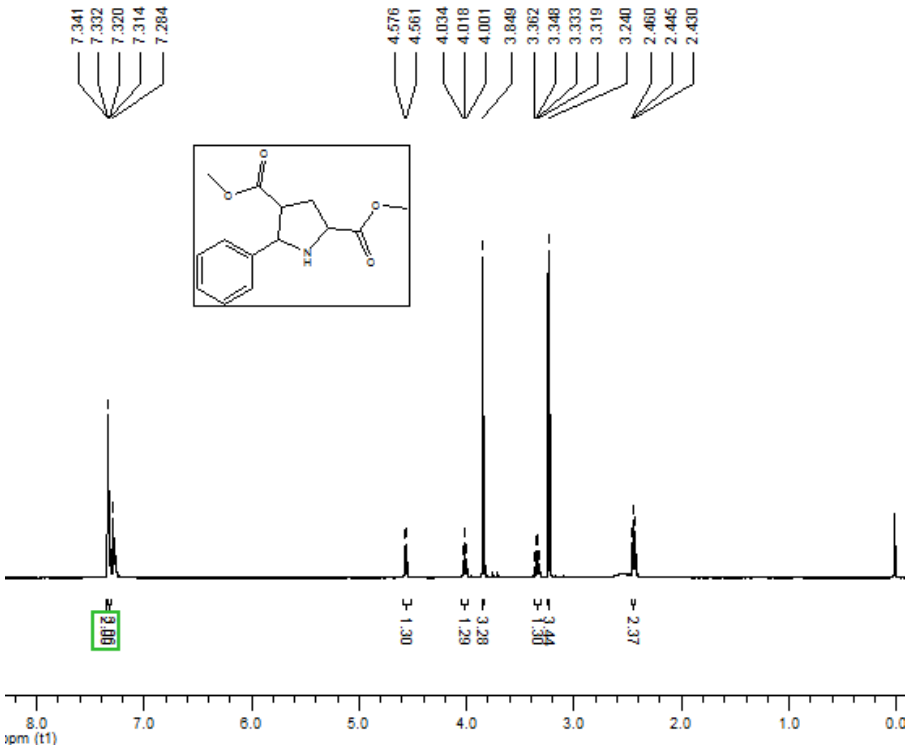

Figure S9

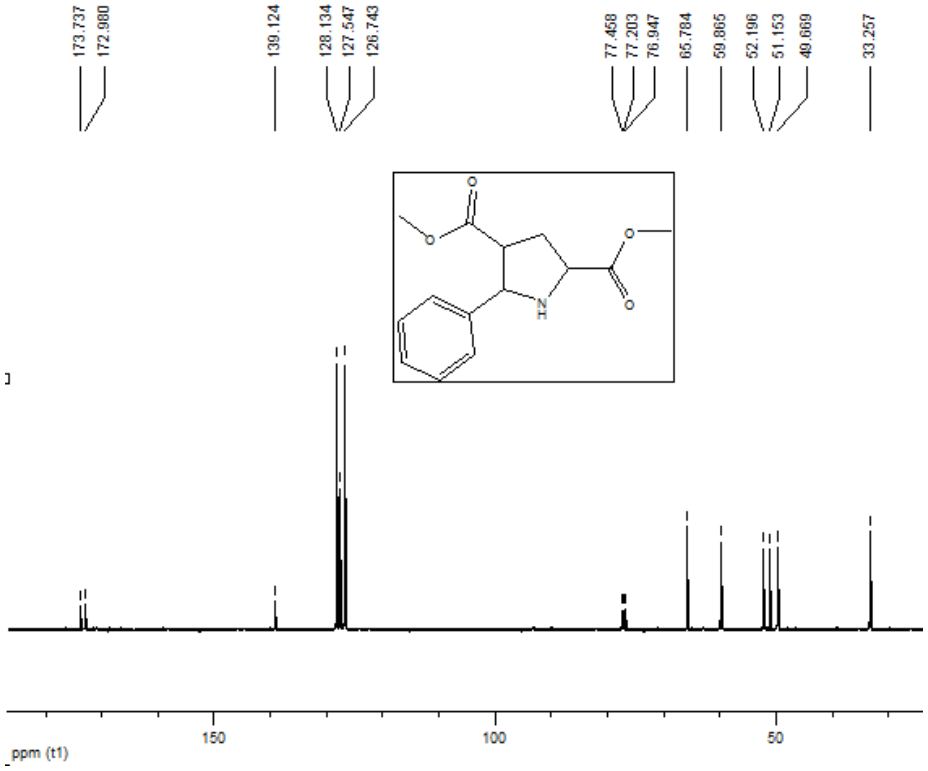

Figure S10

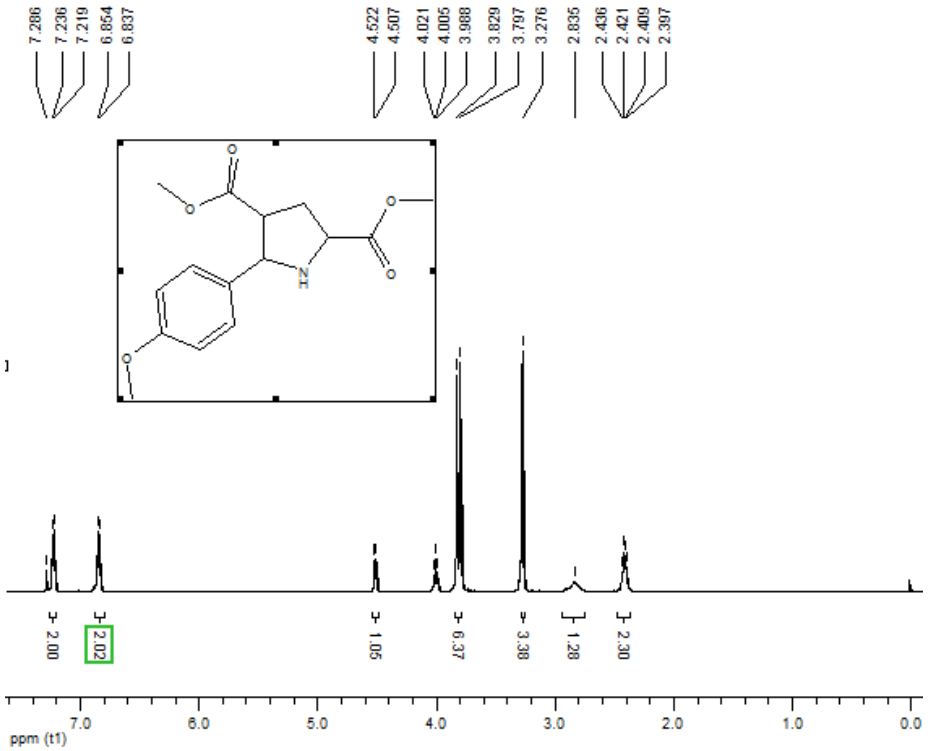

Figure S11

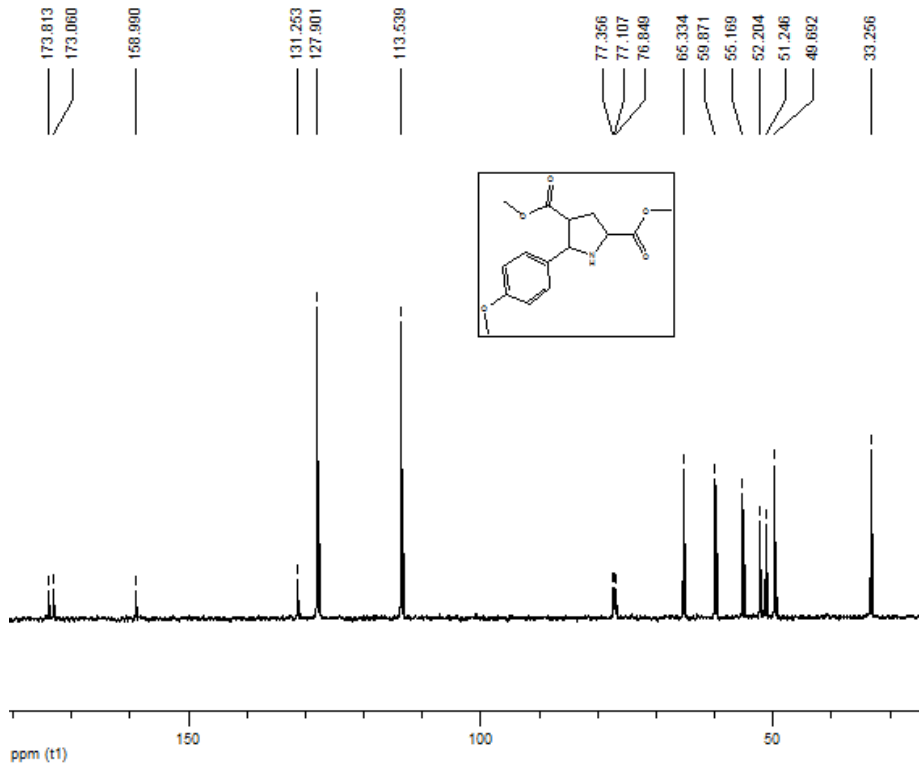

Figure S12

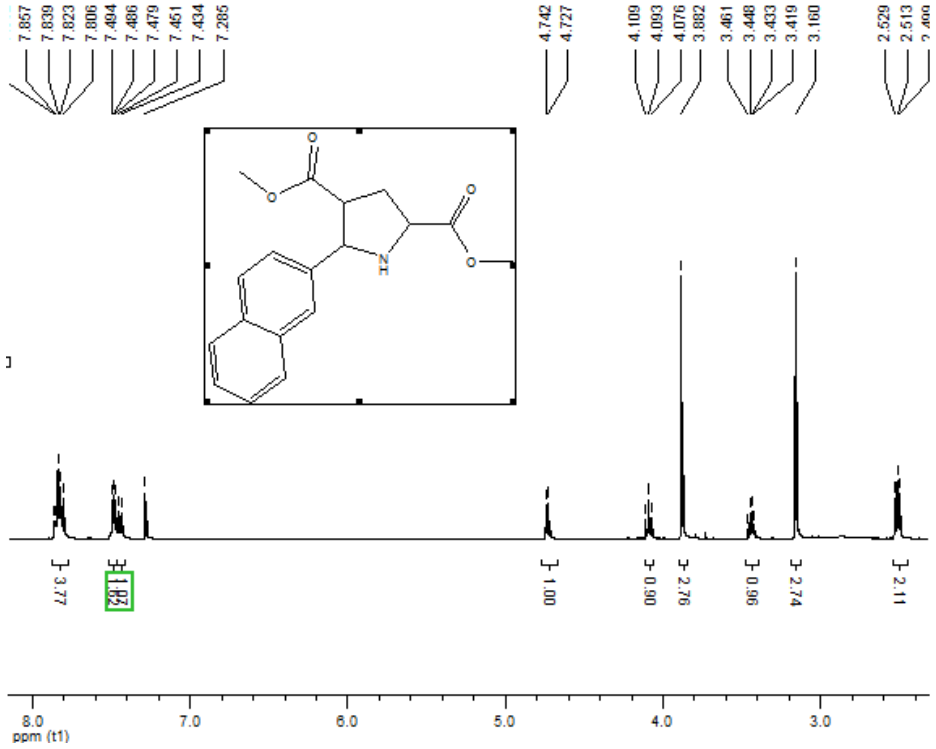

Figure S13

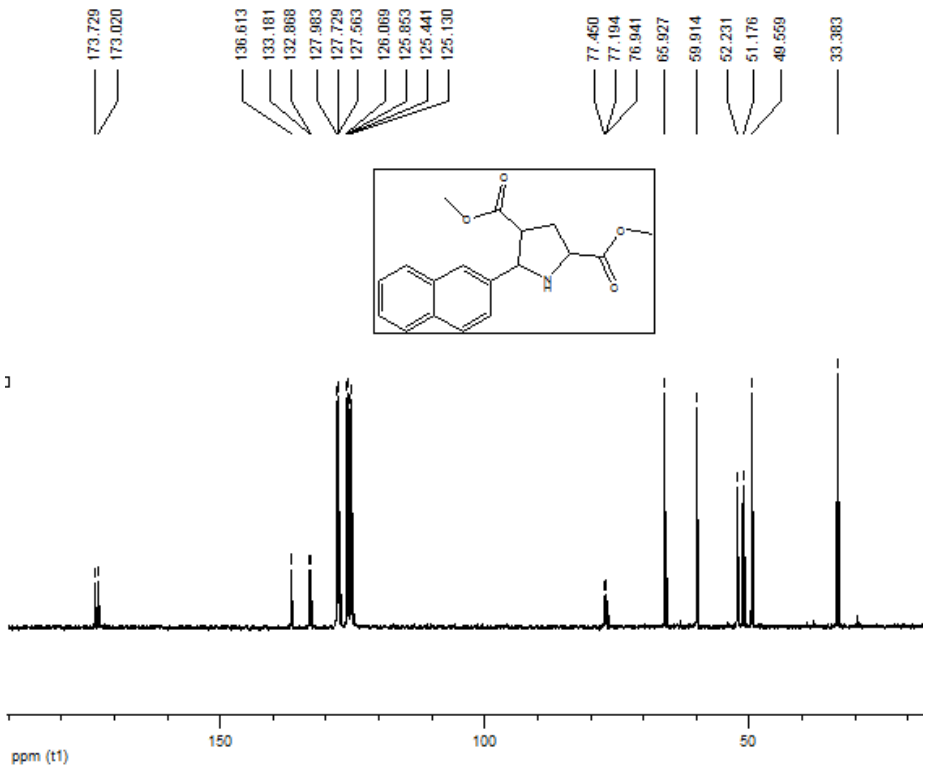

Figure S14

Figure of Structure

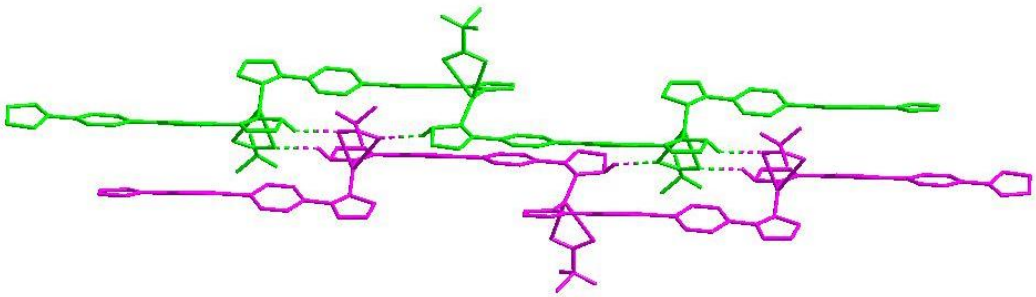

Figure S15 (a) 1D double chain of **1** with hydrogen bonds indicated by dashed lines.

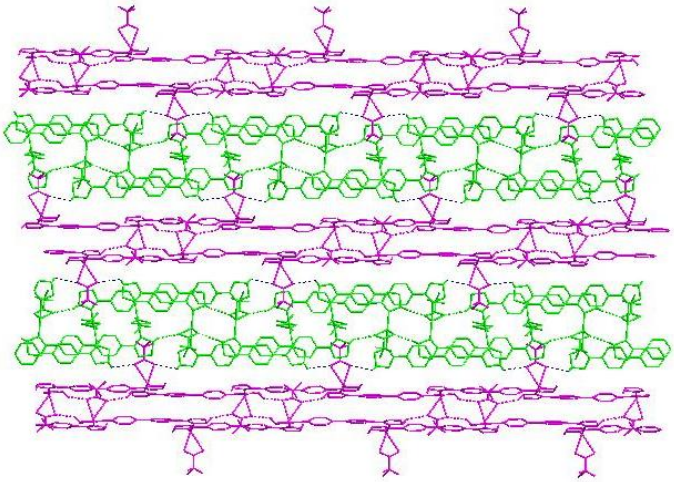

Figure S15 (b) 2D network of **1** with hydrogen bonds indicated by dashed lines.

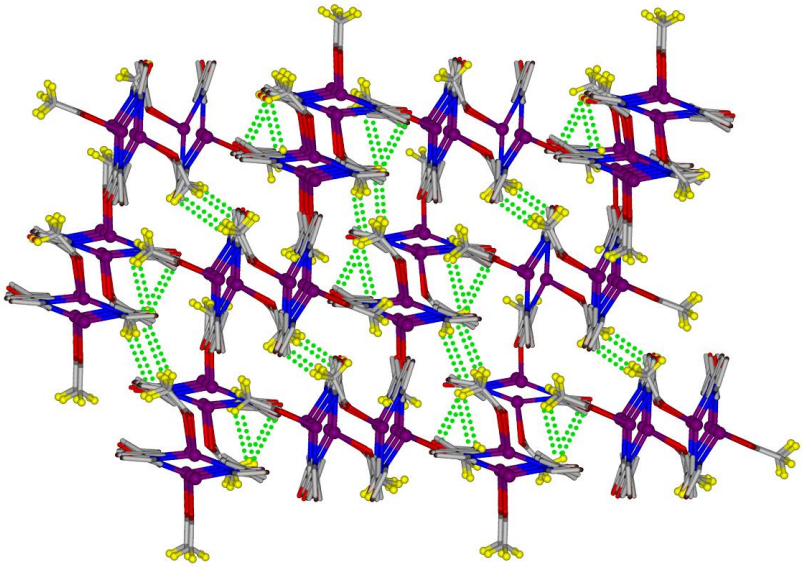

Figure S15 (c) 3D structure of **1** with hydrogen bonds indicated by dashed lines.

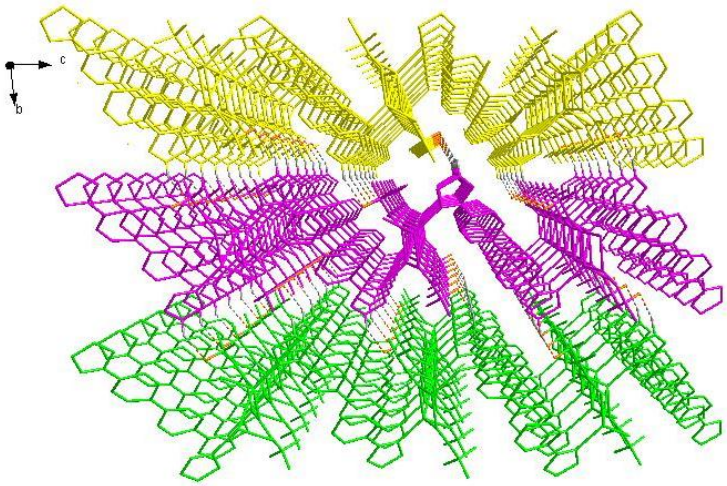

Figure S16 3D structure of **2** with hydrogen bonds indicated by dashed lines.

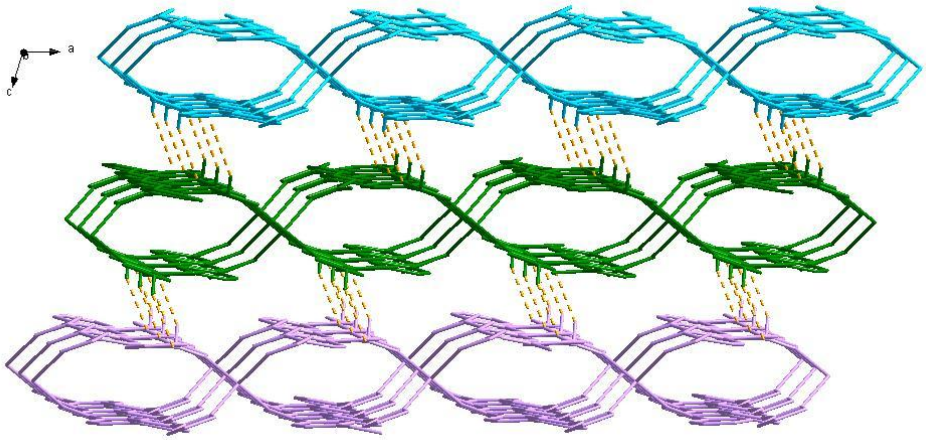

Figure S17 3D structure of **3** with hydrogen bonds indicated by dashed lines, CF_3COO^- are omitted for clarity.