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Supporting Information

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**Mixed-Metal (Pt, Pd), Mixed Pyrimidine (Uracil, Cytosine) Self-Assembling
Metallacalix[n]arenes: Dynamic Combinatorial Chemistry with Nucleobases
and Metal Species.**

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Supporting Information

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Table S1: Selected interatomic distances (Å) and angles ($^\circ$) in **1a**

Pt-N(1)U	2.030(9)	N(11)-Pt-N(12)	83.6(3)
Pt-N(3)C	2.019(7)	N(1)U-Pt-N(3)C	90.8(3)
Pt-N(11)	2.001(7)	N(11)-Pt-N(1)U	92.1(3)
Pt-N(12)	2.036(8)	N(12)-Pt-N(3)C	93.6(3)

Pt' -N(1)U'	2.025(8)	N(11') -Pt' -N(12')	83.0(3)
Pt' -N(3)C'	2.014(7)	N(1)U' -Pt' -N(3)C'	90.1(3)
Pt' -N(11')	2.017(7)	N(11') -Pt' -N(1)U'	94.2(3)
Pt' -N(12')	2.030(9)	N(12') -Pt' -N(3)C'	92.8(3)

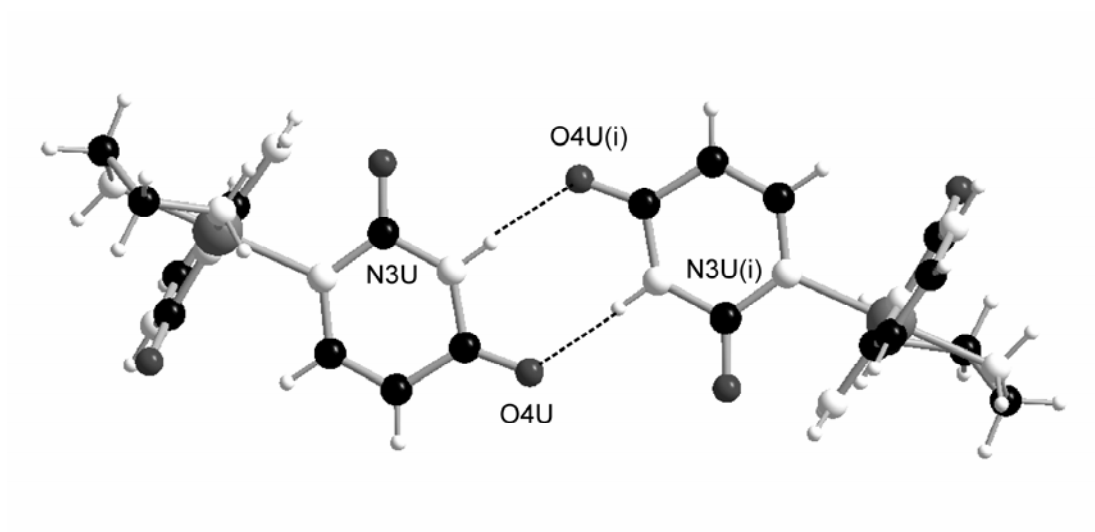


Figure S1

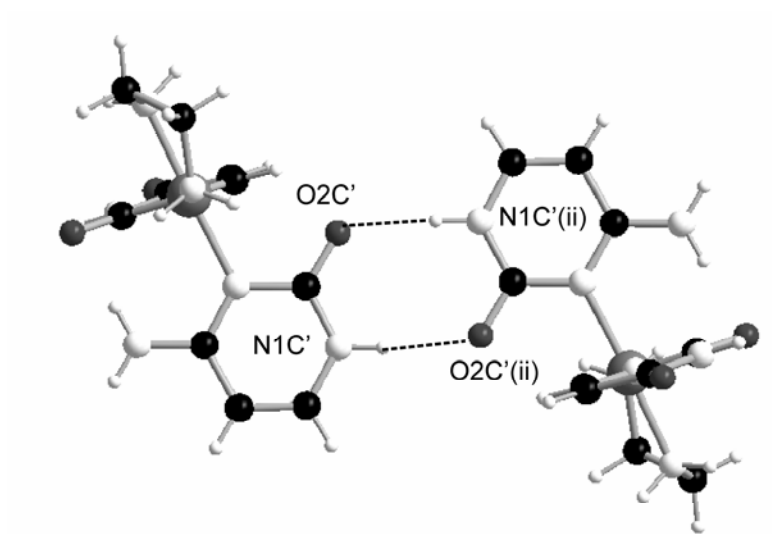


Figure S2

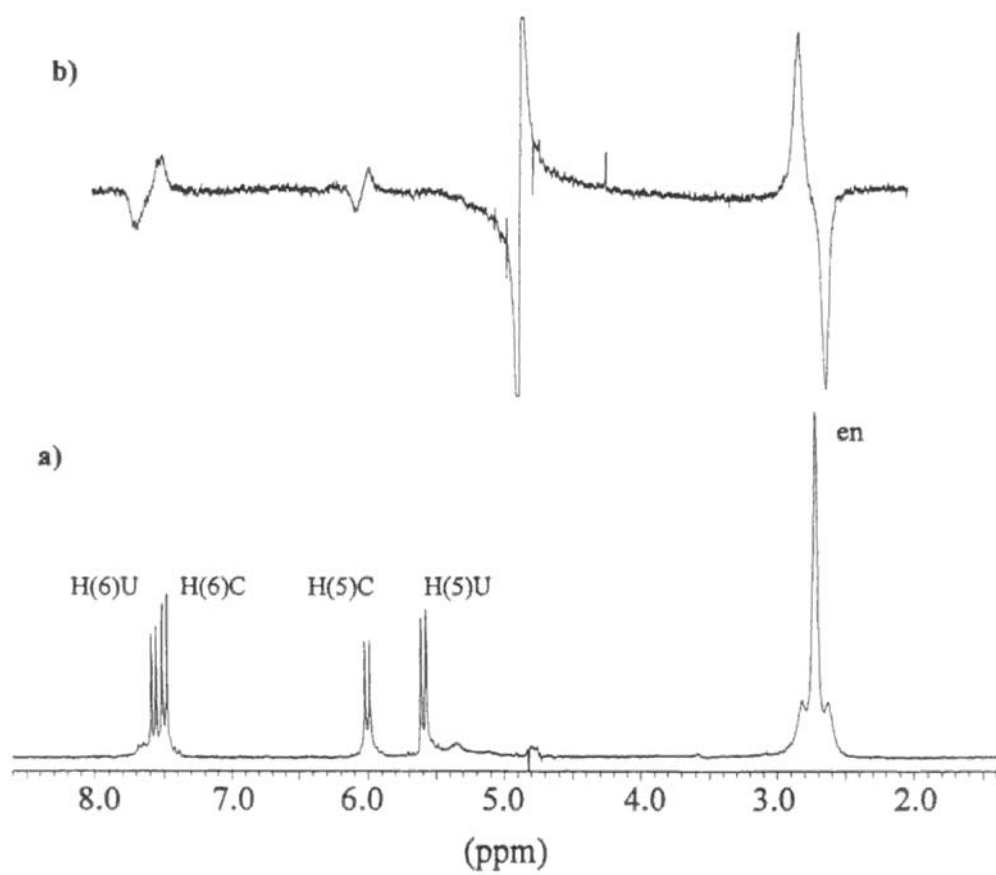


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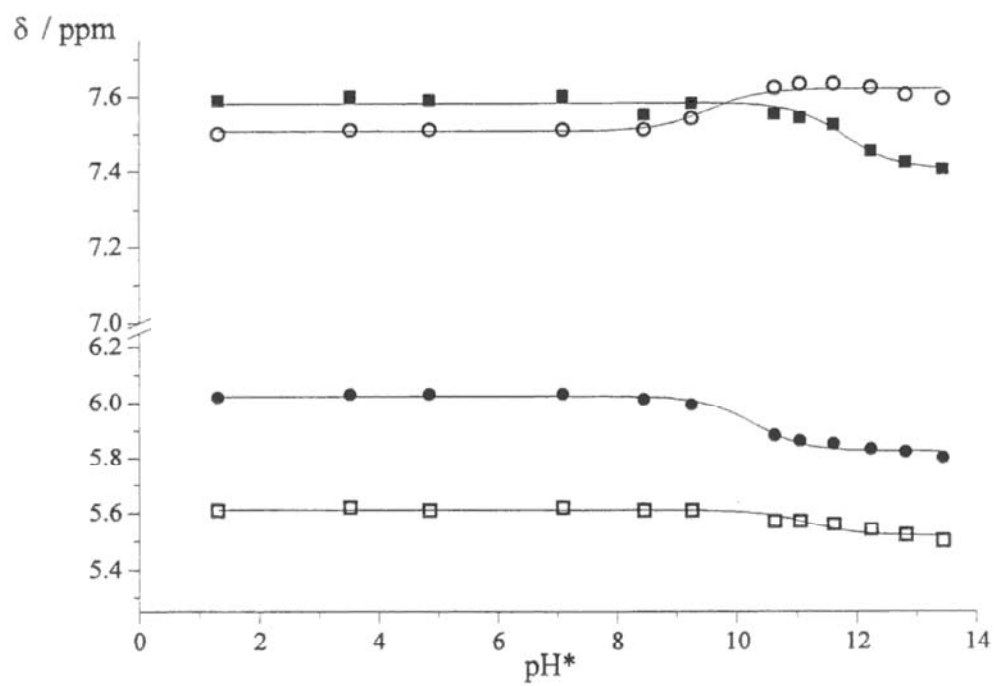


Figure S4

Table S2: Hydrogen bonding interactions (Å) in **2a**

N(3)U···O(4)U ⁽ⁱ⁾	2.813(10)	O(11)···O3w	2.787(9)
N(1)C'···O(2)C' ⁽ⁱⁱ⁾	2.813(9)	O(12)···-O1w	3.091(9)
N(3)U'-O1w	2.862(9)	O(21)···O3w	3.246(9)
O(4)U'-O7w	2.74(1)	O(22)···O1w	2.96(1)
O(2)U'-O6w	2.77(1)	O(31)···O5w	3.00(1)
O(2)C'···O5w	2.98(1)	O2w···O3w	2.68(1)
N(12)···O21	2.90(1)	O2w···O4w	2.76(1)

Symmetry codes: (i) $-x, -y, -z-1$; (ii) $-x, 1-y, -z$.

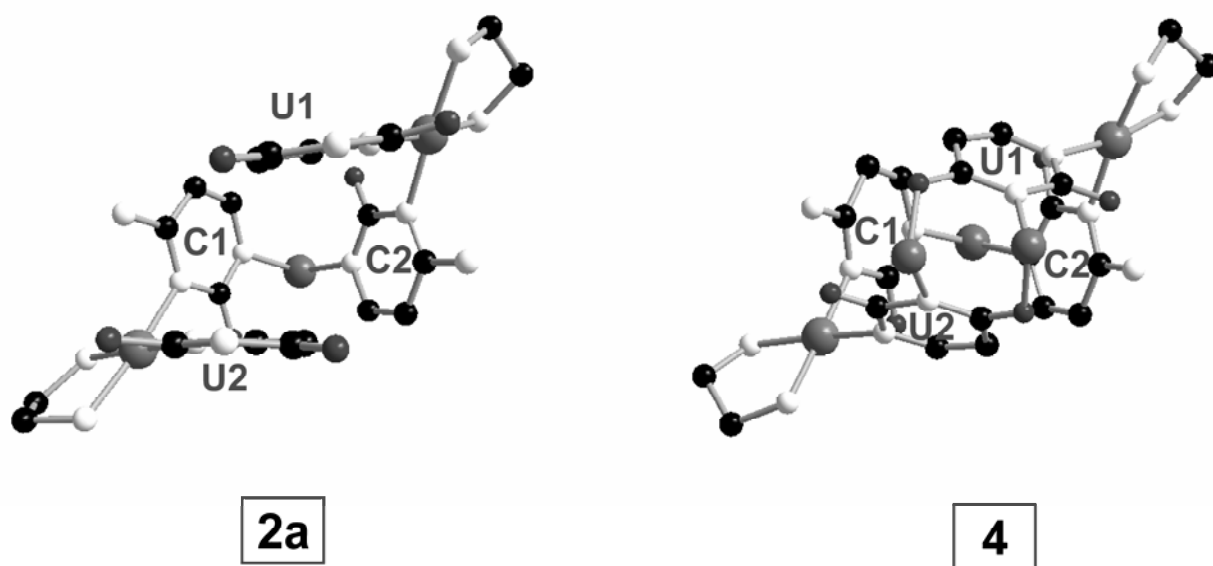


Figure S5

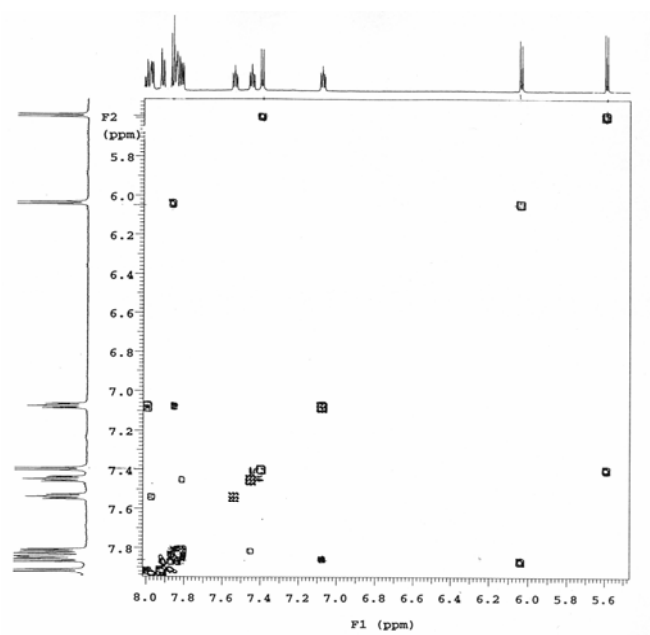


Figure S6

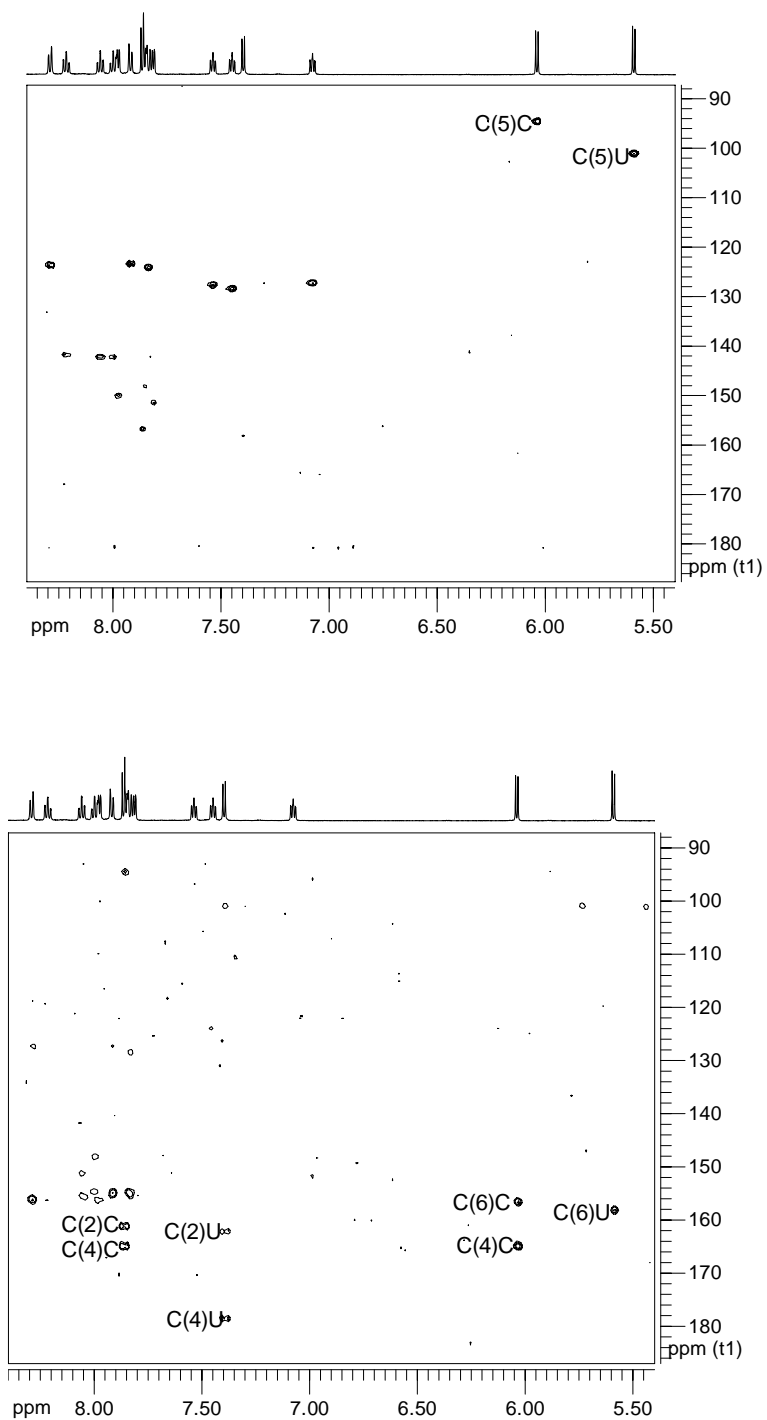


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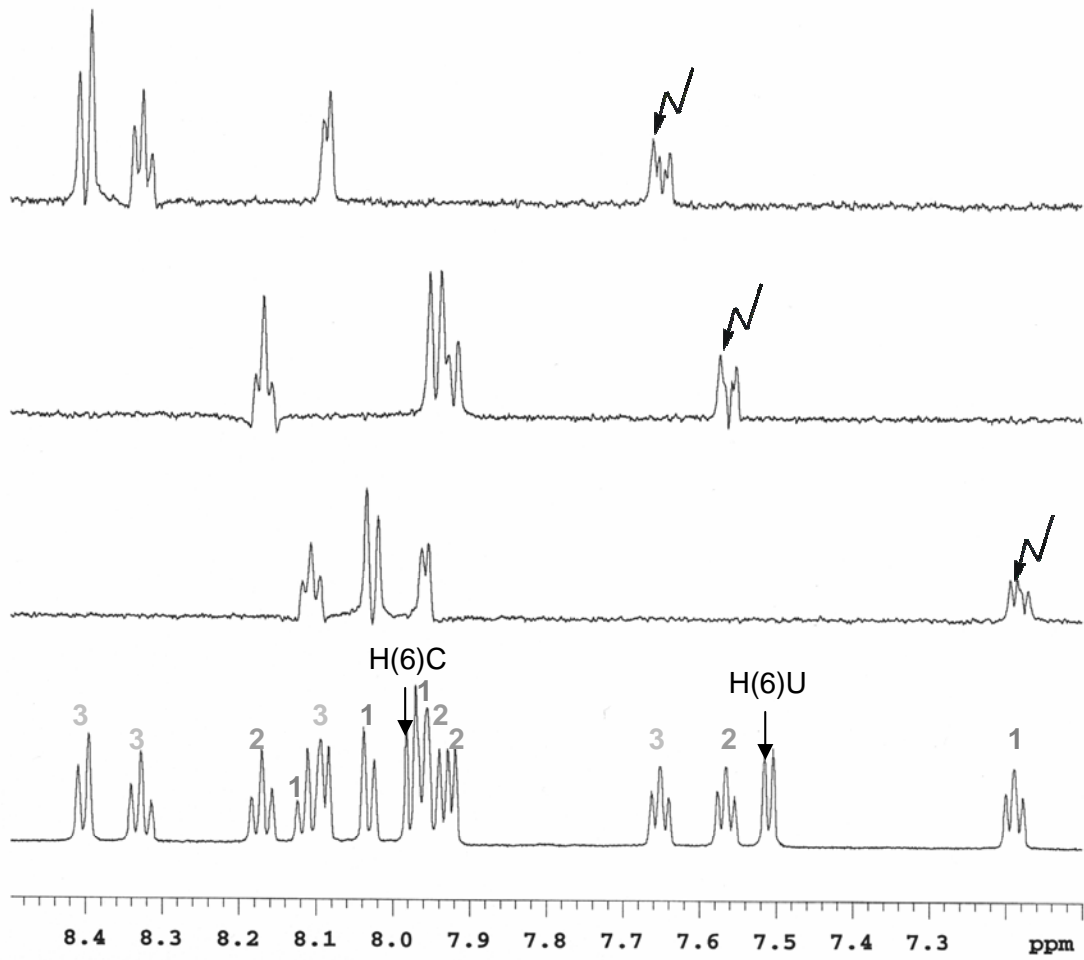


Figure S8

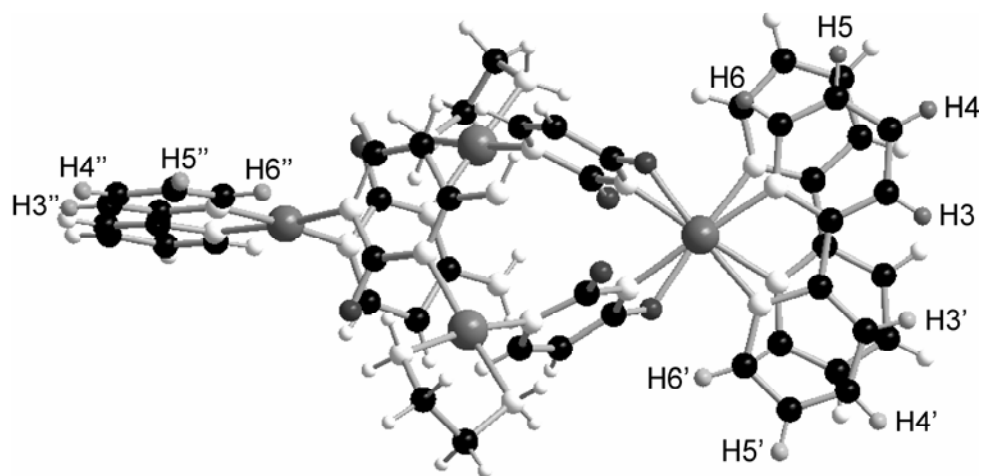


Figure S9

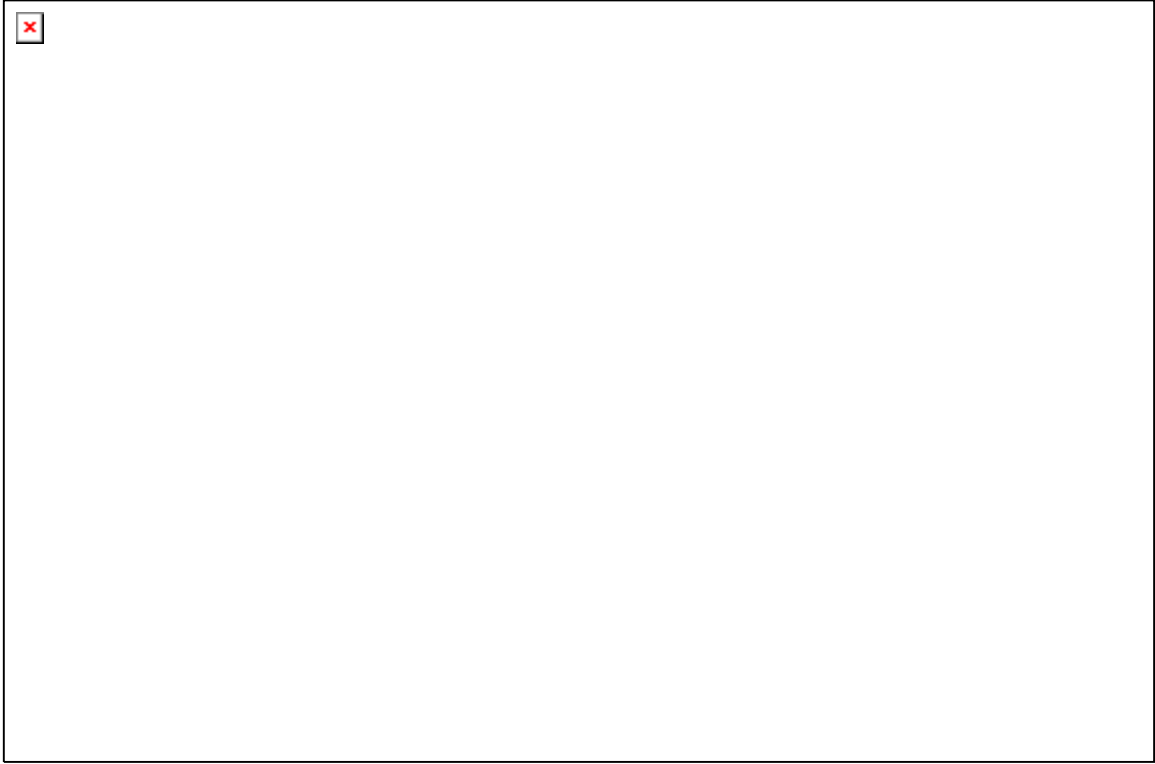


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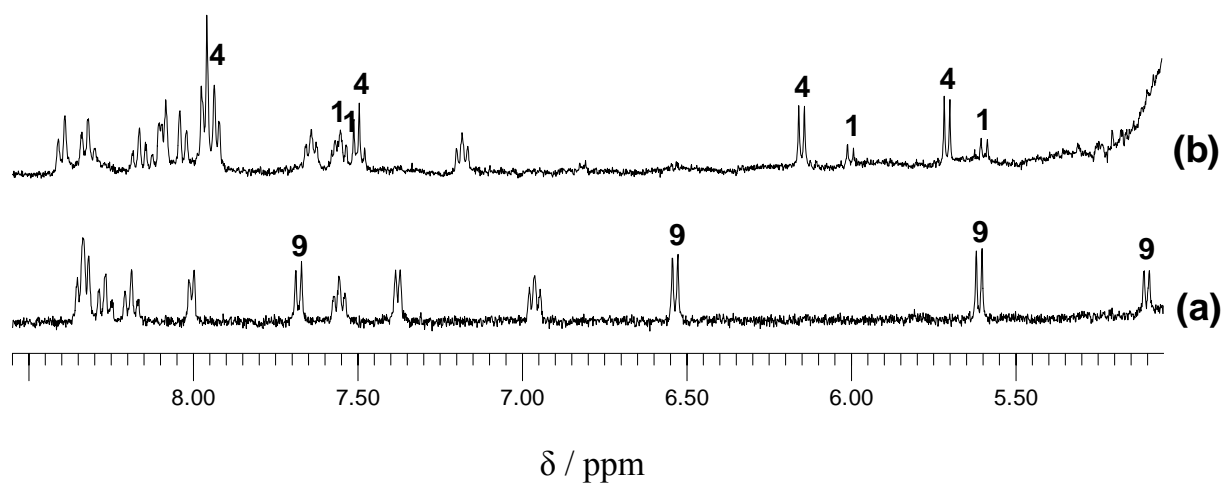


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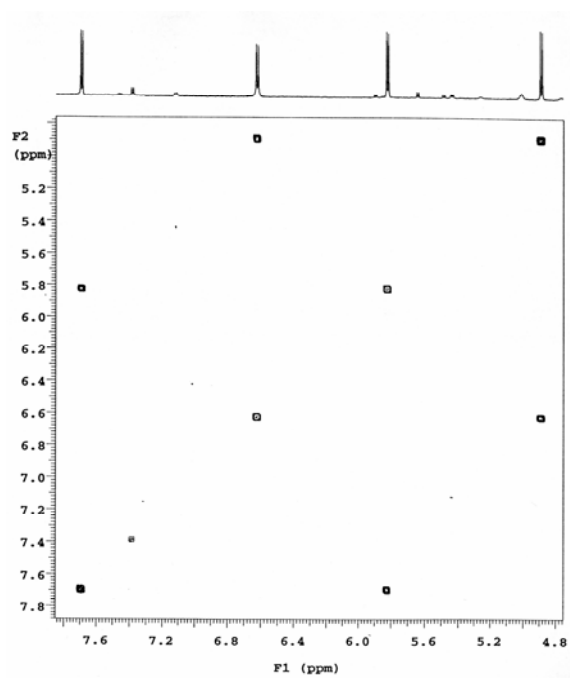


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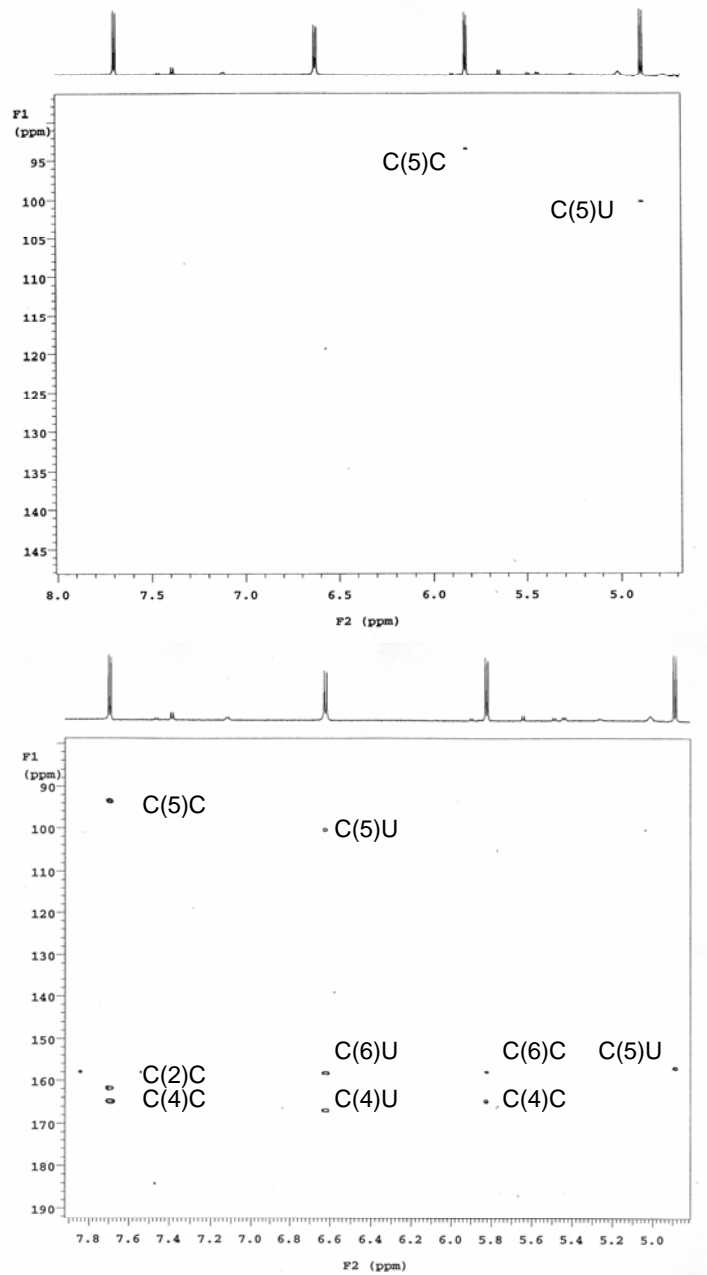


Figure S13

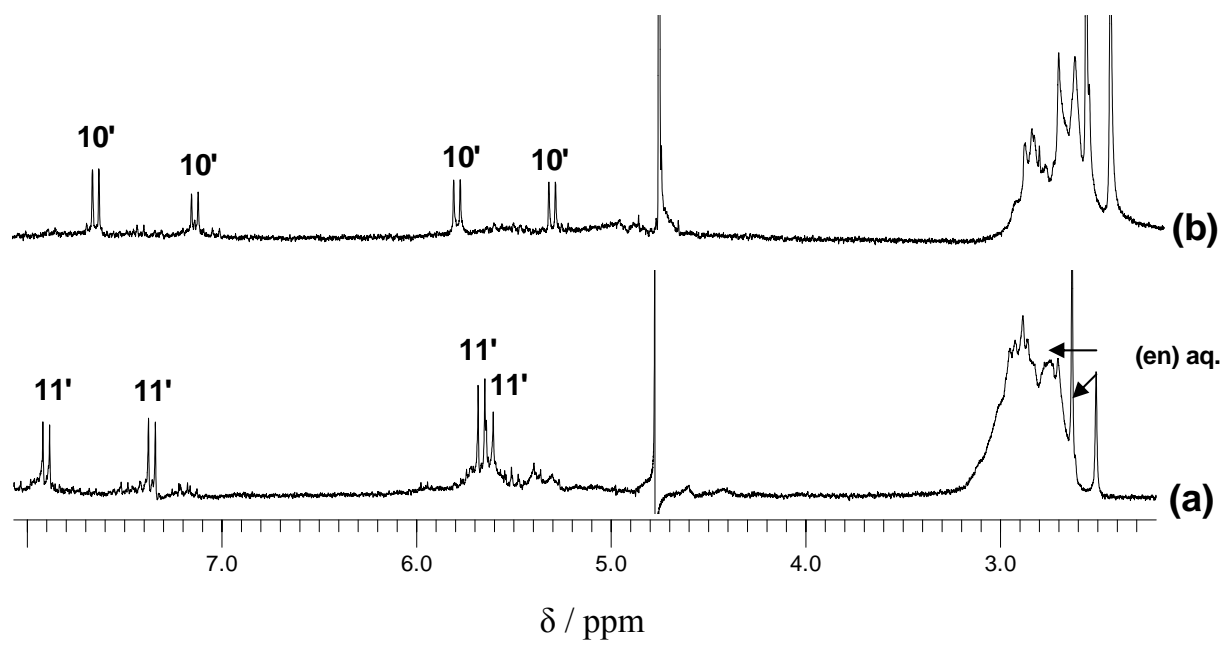


Figure S14