Supporting Information

CuAAC Synthesis of Tetragonal Building Blocks Decorated with Nucleobases

by

Lidia Pop,a Mirabela Ligia Golban,a Niculina D. Hâdade,a Crina Socaciab and Ion Grosua*.

aBabeş-Bolyai University, Supramolecular Organic and Organometallic Chemistry Center (SOOMCC), Cluj-Napoca, 11 Arany Janos str., 400028, Cluj-Napoca, Romania

bNational Institute of Research and Development for Isotopic and Molecular Technologies (INCDTIM), Cluj-Napoca, 65-103 Donath str. Cluj-Napoca, Romania

Contents:

Figure S1: $^1$H NMR spectrum [DMSO-$d_6$, 300 MHz] of compound 5 2

Figure S2: $^{13}$C NMR spectrum [DMSO-$d_6$, 150 MHz] of compound 5 2

Figure S3: $^1$H NMR spectrum [DMSO-$d_6$, 300 MHz] of compound 6 3

Figure S4: $^{13}$C NMR spectrum [DMSO-$d_6$, 150 MHz] of compound 6 3

Figure S5: $^1$H NMR spectrum [DMSO-$d_6$, 300 MHz] of compound 7 4

Figure S6: $^{13}$C NMR spectrum [DMSO-$d_6$, 150 MHz] of compound 7 4

Figure S7: $^1$H NMR spectrum [DMSO-$d_6$, 600 MHz] of compound 9 5

Figure S8: $^{13}$C NMR spectrum [DMSO-$d_6$, 150 MHz] of compound 9 5

Figure S9: $^1$H NMR spectrum [DMSO-$d_6$, 600 MHz] of compound 10 6

Figure S10: $^{13}$C NMR spectrum [DMSO-$d_6$, 150 MHz] of compound 10 6

Figure S11: $^1$H NMR spectrum [DMSO-$d_6$, 400 MHz] of compound 12 7

Figure S12: $^{13}$C NMR spectrum [DMSO-$d_6$, 100 MHz] of compound 12 7
**Figure S1:** $^1$H NMR spectrum [DMSO-$d_6$, 300 MHz] of compound 5.

**Figure S2:** $^{13}$C NMR spectrum [DMSO-$d_6$, 150 MHz] of compound 5.
Figure S3: $^1$H NMR spectrum [DMSO-$d_6$, 300 MHz] of compound 6.

Figure S4: $^{13}$C NMR spectrum [DMSO-$d_6$, 150 MHz] of compound 6.
Figure S5: $^1$H NMR spectrum [DMSO-$d_6$, 300 MHz] of compound 7.

Figure S6: $^{13}$C NMR spectrum [DMSO-$d_6$, 150 MHz] of compound 7.
Figure S7: $^1$H NMR spectrum [DMSO-$d_6$, 600 MHz] of compound 9.

Figure S8: $^{13}$C NMR spectrum [DMSO-$d_6$, 150 MHz] of compound 9.
Figure S9: $^1$H NMR spectrum [DMSO-$d_6$, 600 MHz] of compound 10.

Figure S10: $^{13}$C NMR spectrum [DMSO-$d_6$, 150 MHz] of compound 10.
Figure S11: $^1$H NMR spectrum [DMSO-$d_6$, 400 MHz] of compound 12.

Figure S12: $^{13}$C NMR spectrum [DMSO-$d_6$, 100 MHz] of compound 12.