

## RSC Advances

### Electronic Supplementary Information associated with the paper

#### **Chitosan nanobeads loaded with Biginelli hybrids as cell-selective toxicity systems with a homogeneous distribution of the cell cycle in cancer treatment**

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# $^1\text{H}$ and $^{13}\text{C}$ NMR spectra of A, B and C

## Ethyl 6-chloromethyl-1-methyl-2-oxo-4-(4'-hydroxy-3'-methoxyphenyl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (A)

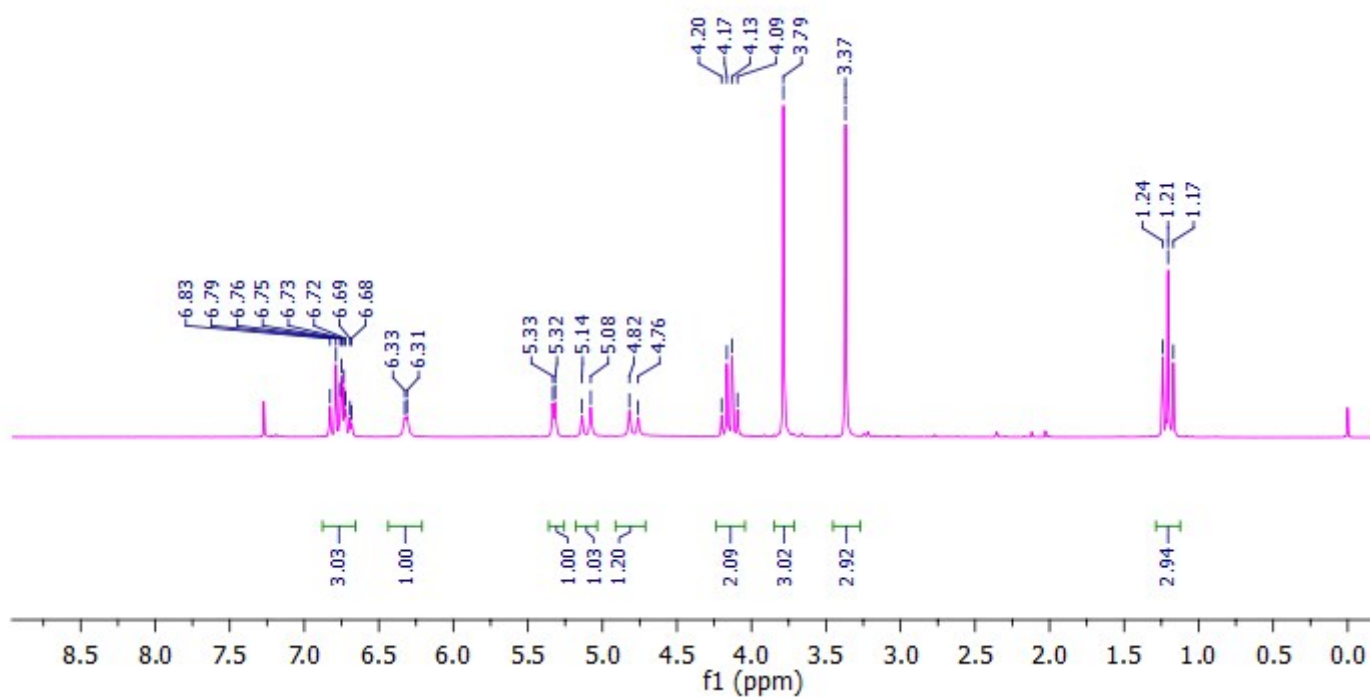


Figure S1  $^1\text{H}$  NMR spectrum of A

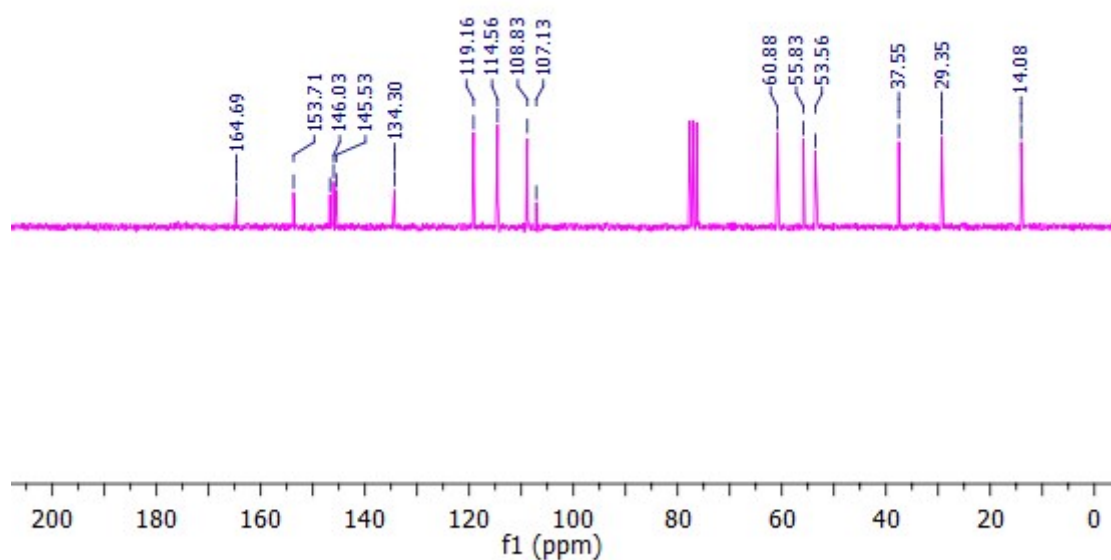
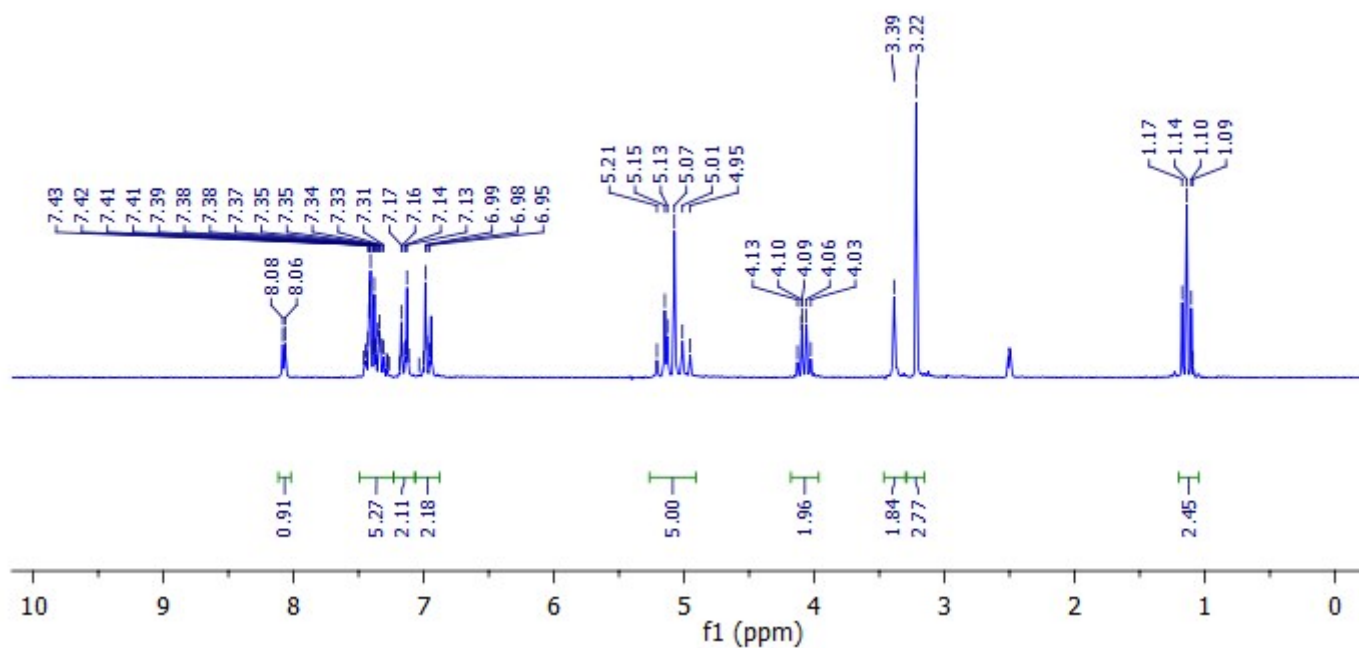
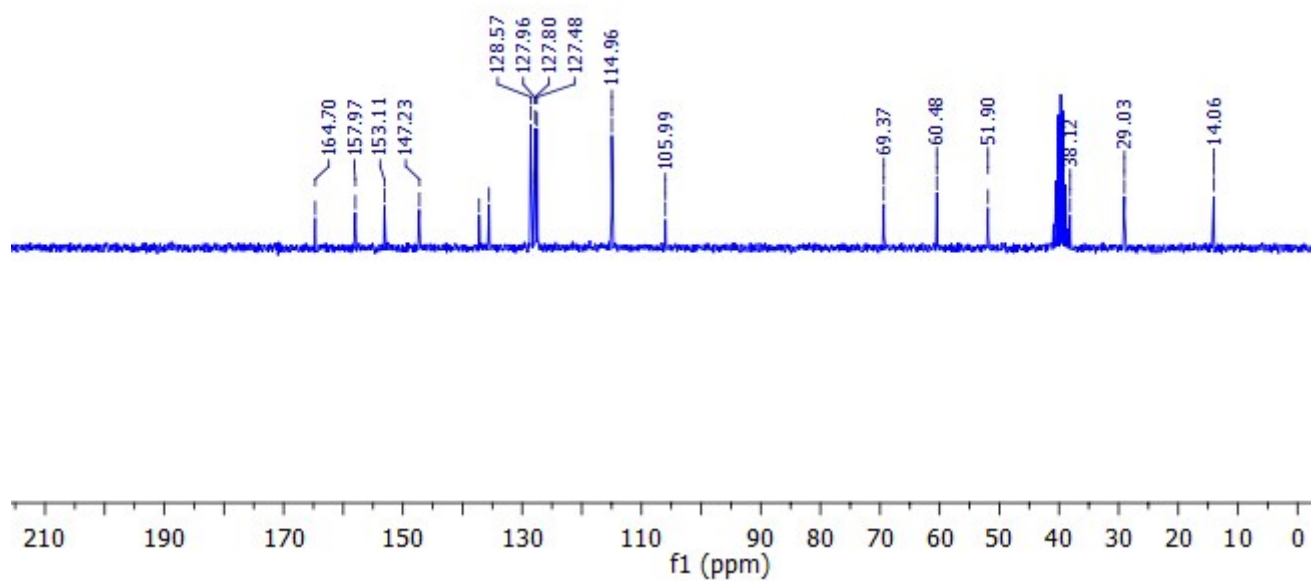


Figure S2  $^{13}\text{C}$  NMR spectrum of A

**Ethyl 6-(chloromethyl)-1-methyl-2-oxo-4-(4'-benzyloxyphenyl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate (B)**



**Figure S3** <sup>1</sup>H NMR spectrum of B



**Figure S4** <sup>13</sup>C NMR spectrum of B

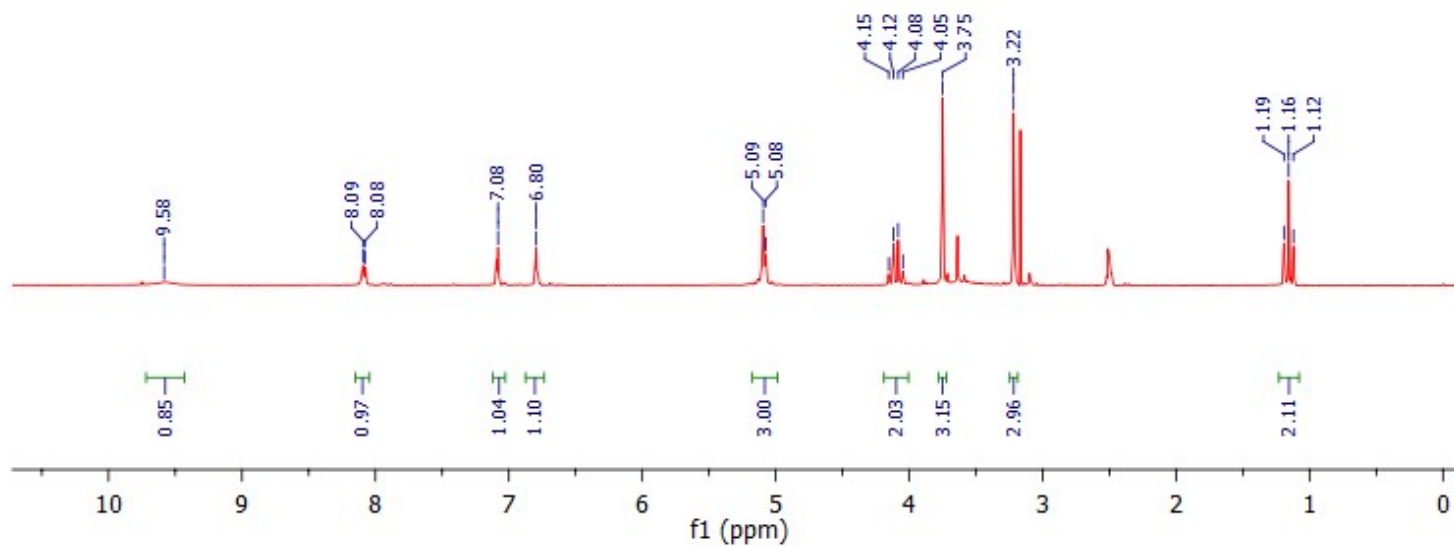


Figure S5 <sup>1</sup>H NMR spectrum of C

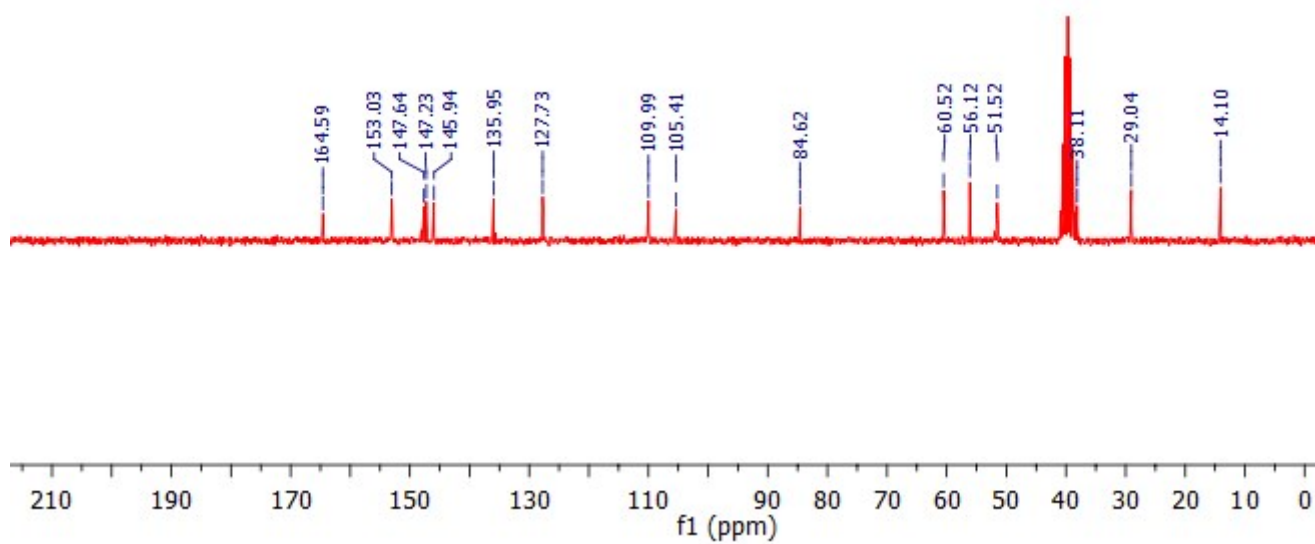


Figure S6 <sup>13</sup>C NMR spectrum of C