

## Electronic Supplementary Information.

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The following  $^1\text{H}$  shifts were determined from the  $^1\text{H}/^{13}\text{C}$  HETCOR analysis.  
Corresponding  $^{13}\text{C}$  shifts are included in the manuscript in Table 1.

Position	$\delta\ ^1\text{H}$ (ppm)
C1N – H	7.9
C2 – H	6.6
C3 – H	5.4
C4O – H	8.6
C5 – H	4.4
C6 – H	5.4
C8 – H	-0.4

An expansion of the  $^1\text{H}/^{13}\text{C}$  HETCOR spectrum emphasizing the aromatic, NH (7.9 ppm) and OH (8.6 ppm) protons of acetaminophen. Correlation involving methyl protons have been omitted. Acquisition parameters are included in the manuscript.

