

# Supporting Information

## Enhancement of the Biological Activity of Catechin from *Uncaria gambir* as Anticancer Agents through Molecular Encapsulation Studies: Experimental and Computational Approaches

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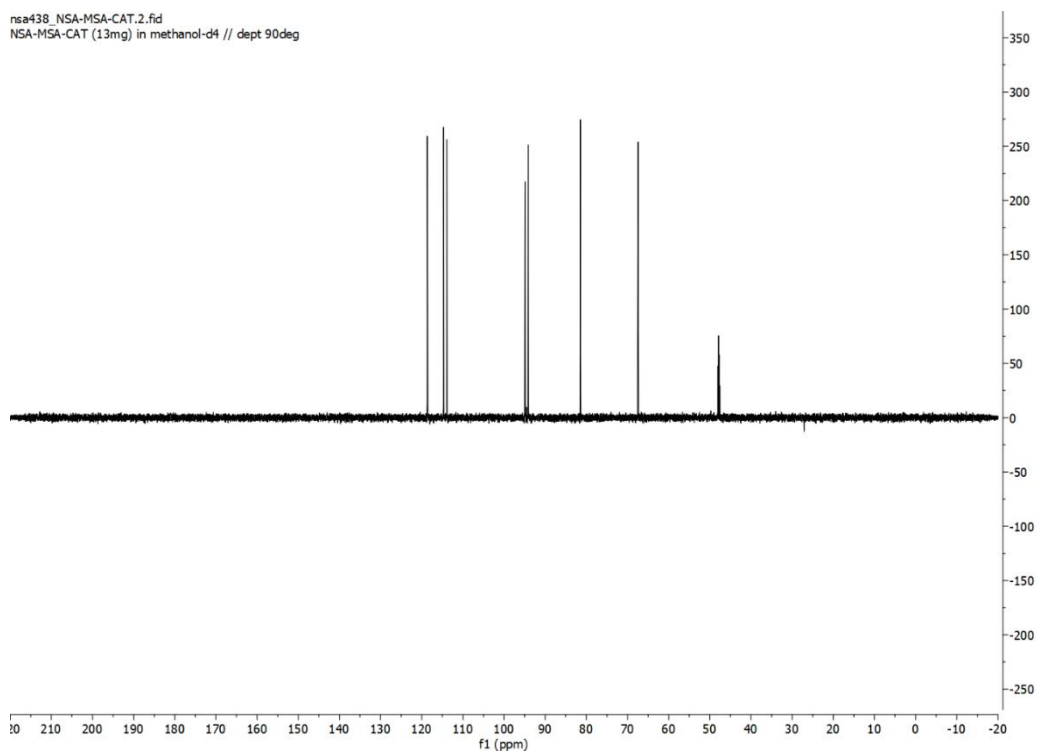
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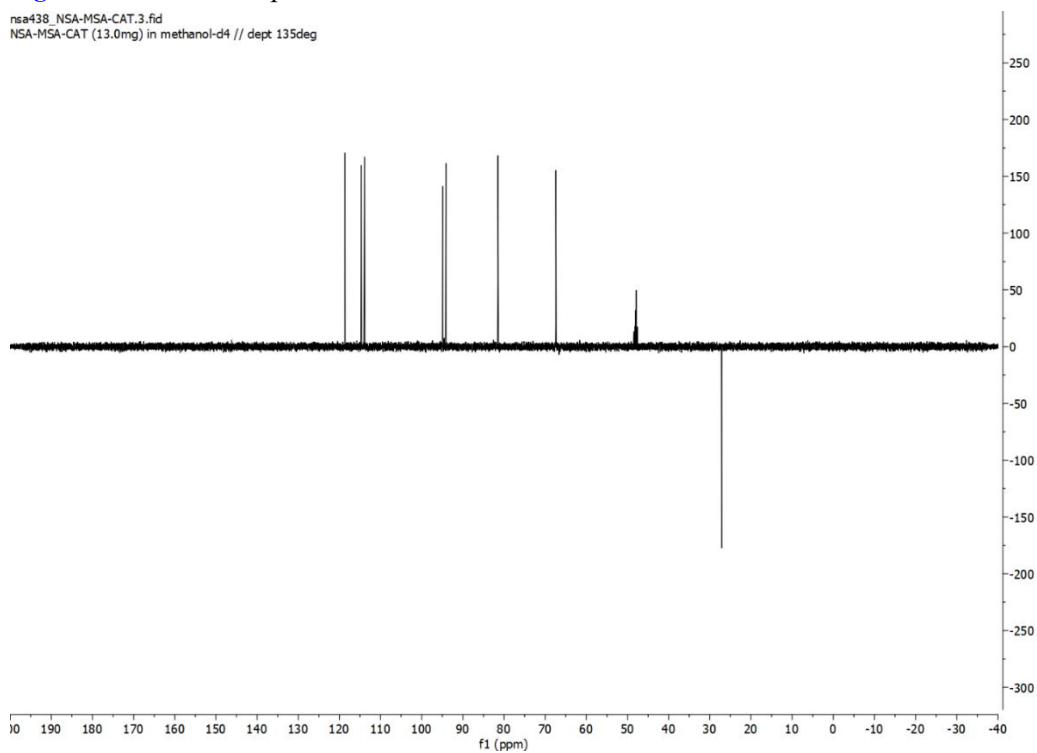
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nse438 NSA-MSA-CAT.2.fid  
NSA-MSA-CAT (13mg) in methanol-d4 // dept 90deg

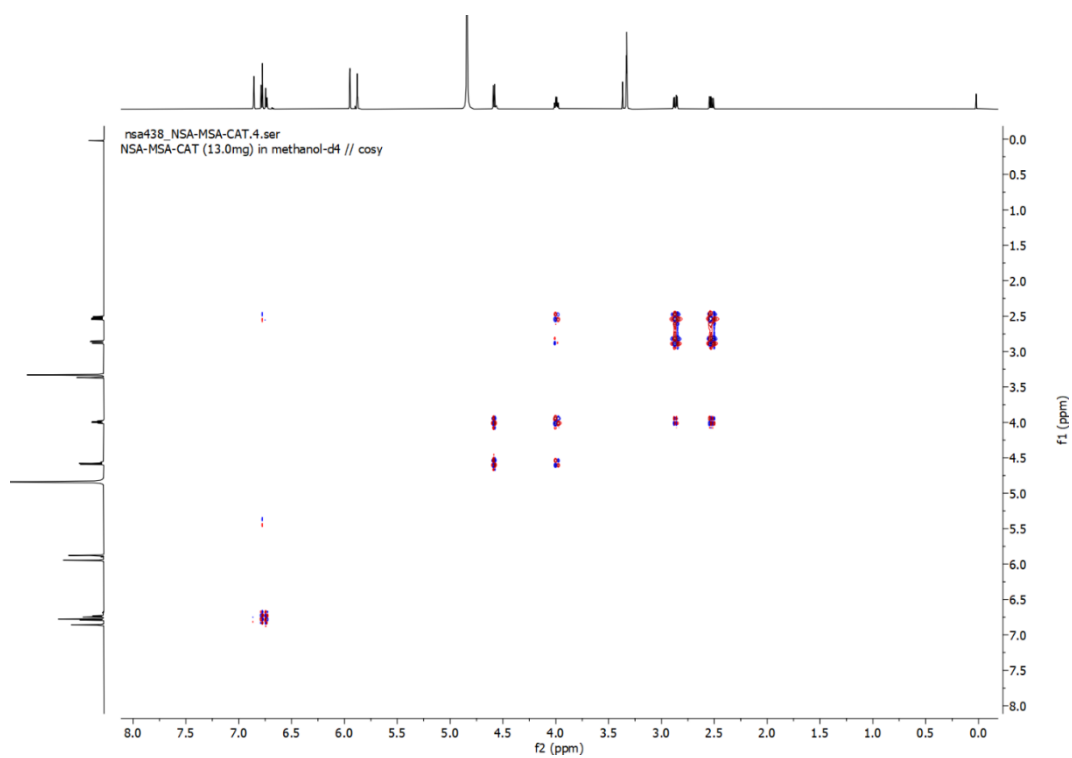


**Fig. S1** The DEPT-90 spectra of catechin.

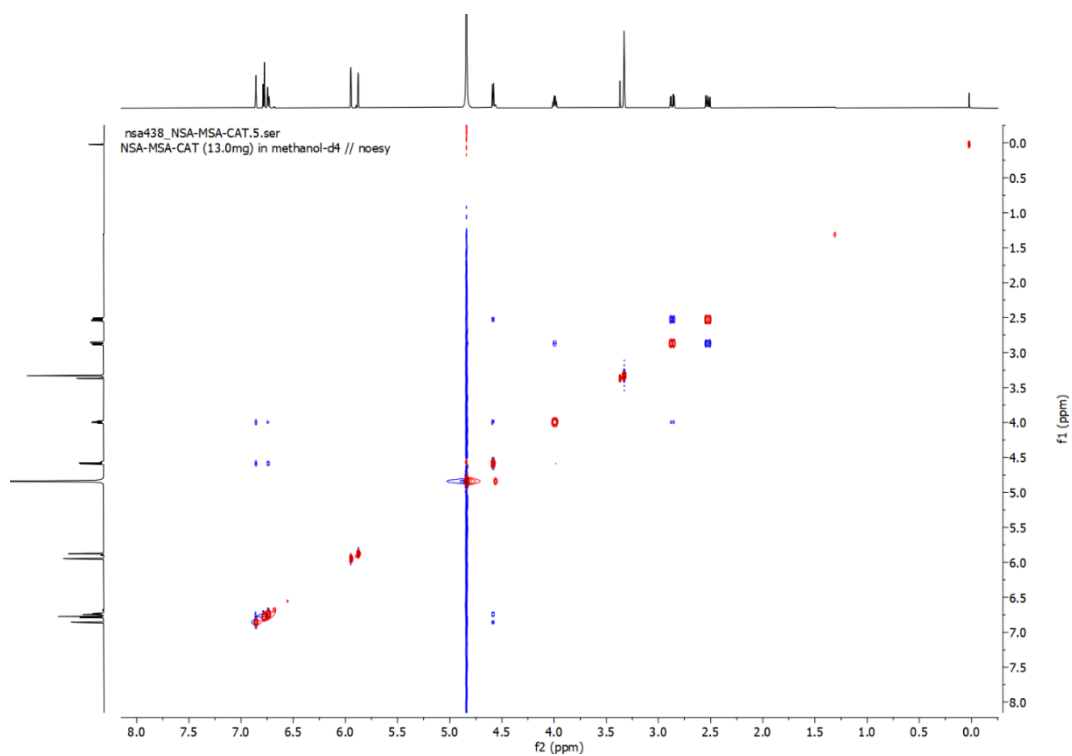
nse438 NSA-MSA-CAT.3.fid  
NSA-MSA-CAT (13.0mg) in methanol-d4 // dept 135deg



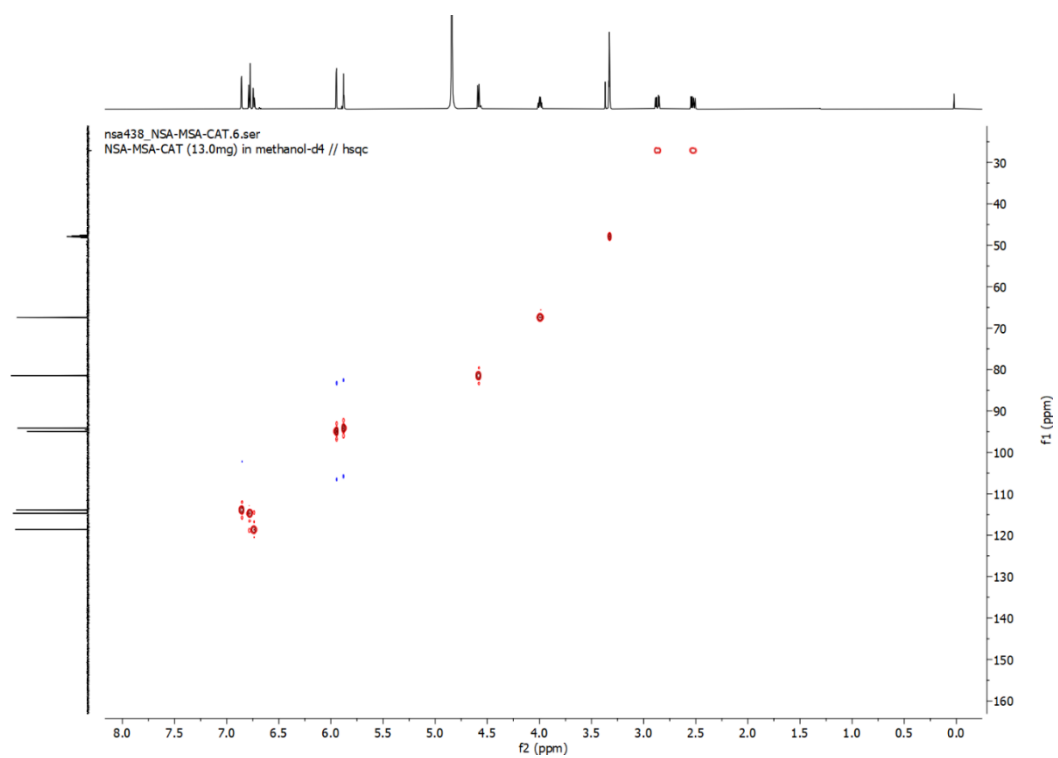
**Fig. S2** The DEPT-135 spectra of catechin.



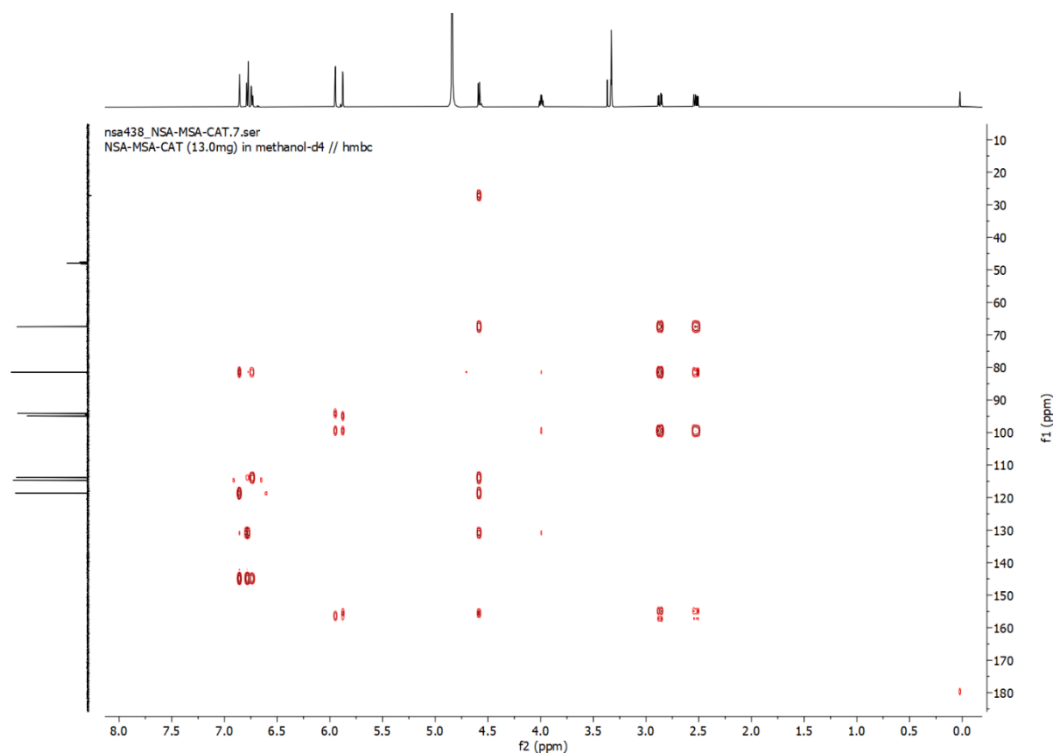
**Fig. S3** The COSY spectra of catechin.



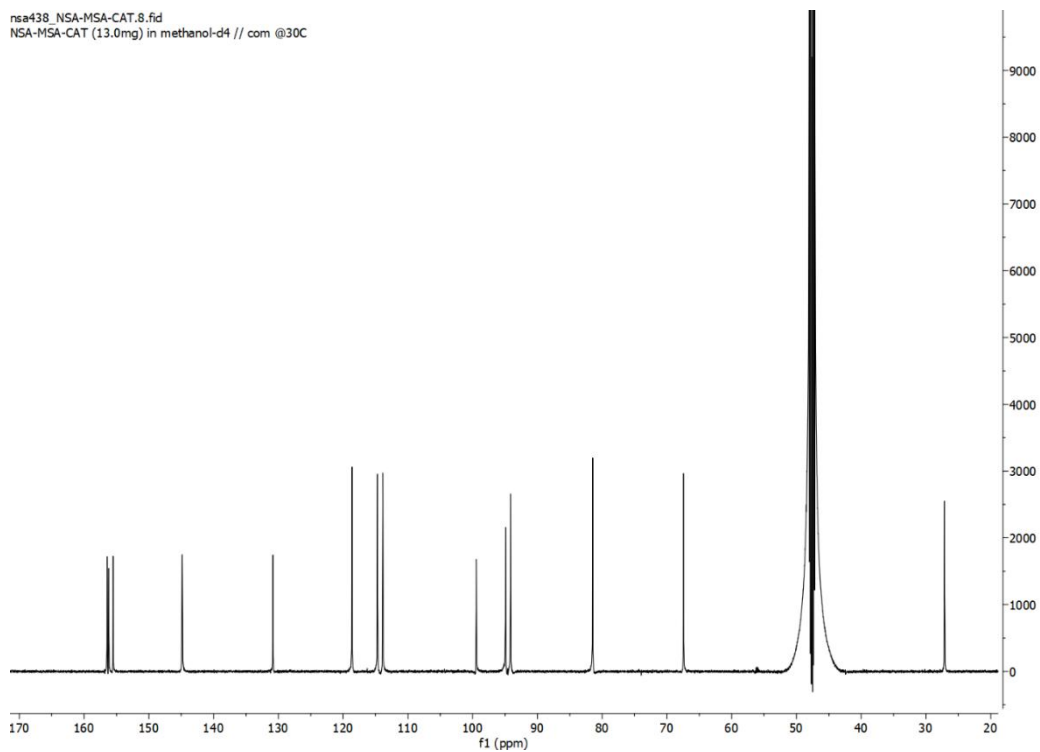
**Fig. S4** The NOESY spectra of catechin.



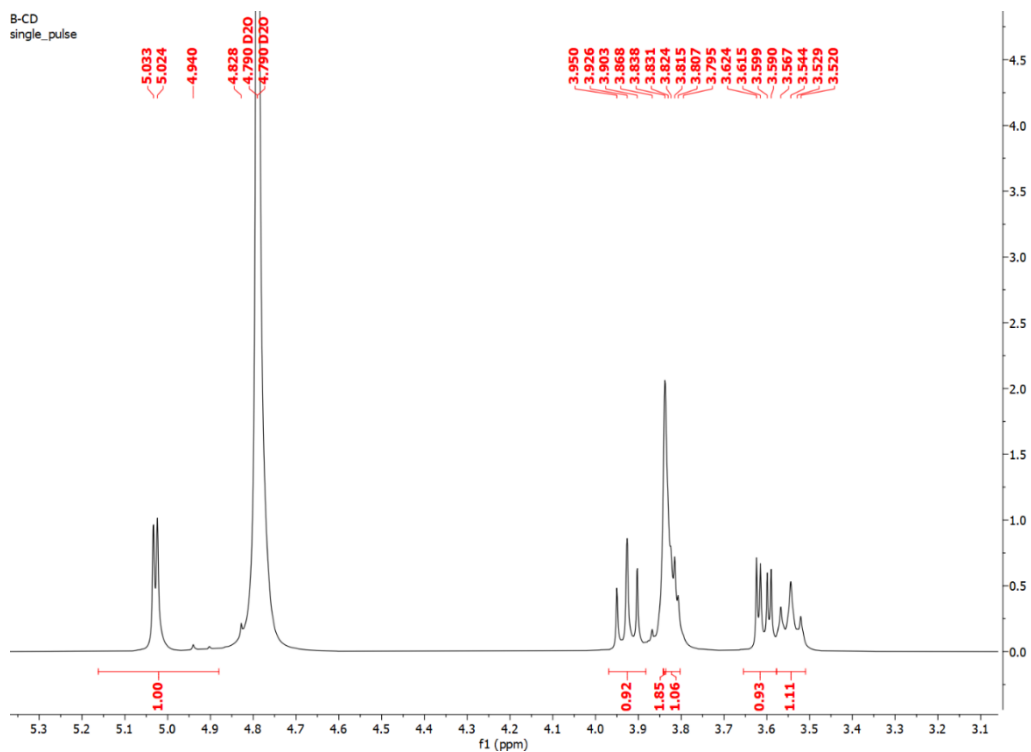
**Fig. S5** The HSQC spectra of catechin.



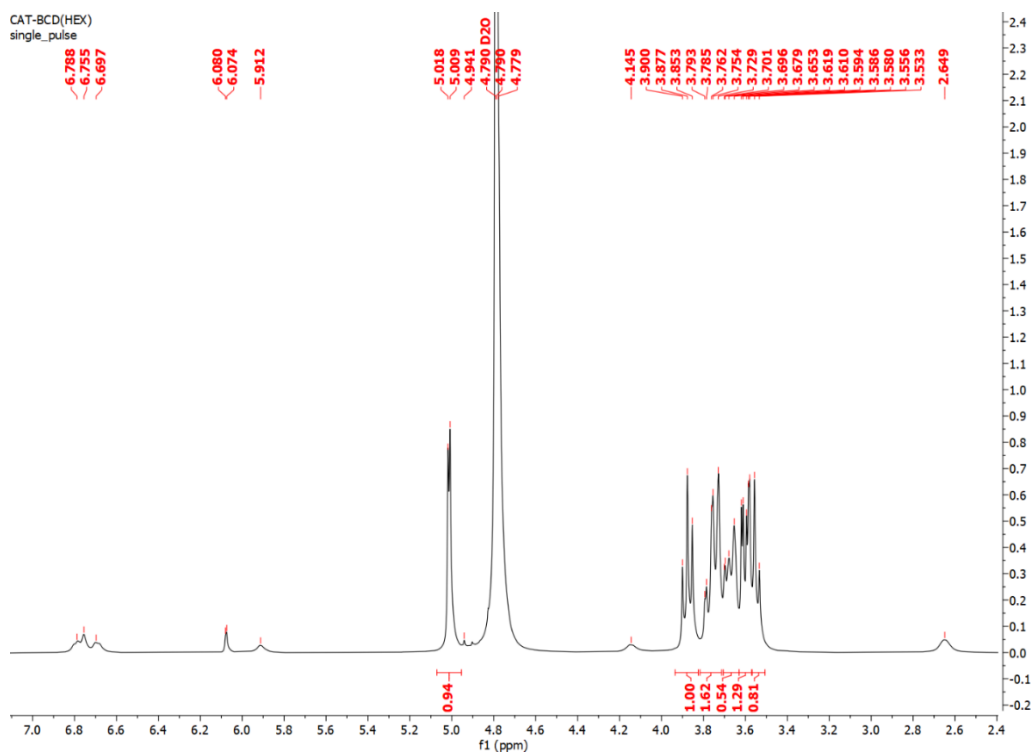
**Fig. S6** The HMBC spectra of catechin.



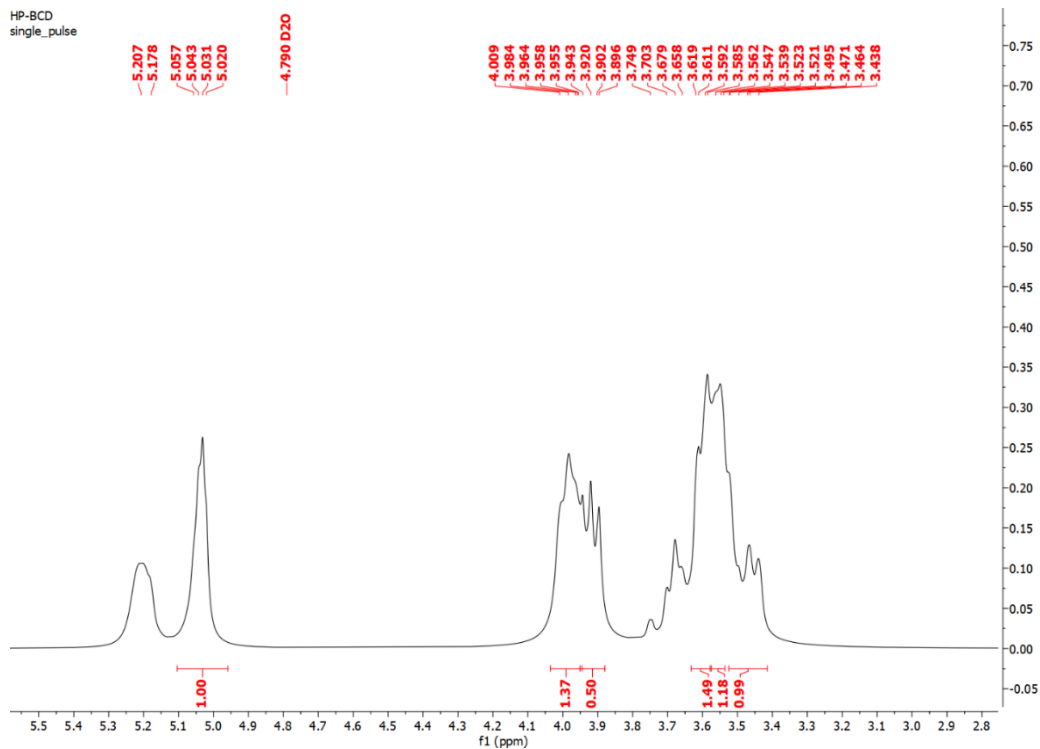
**Fig. S7** The  $^{13}\text{C}$ -NMR spectra of catechin.



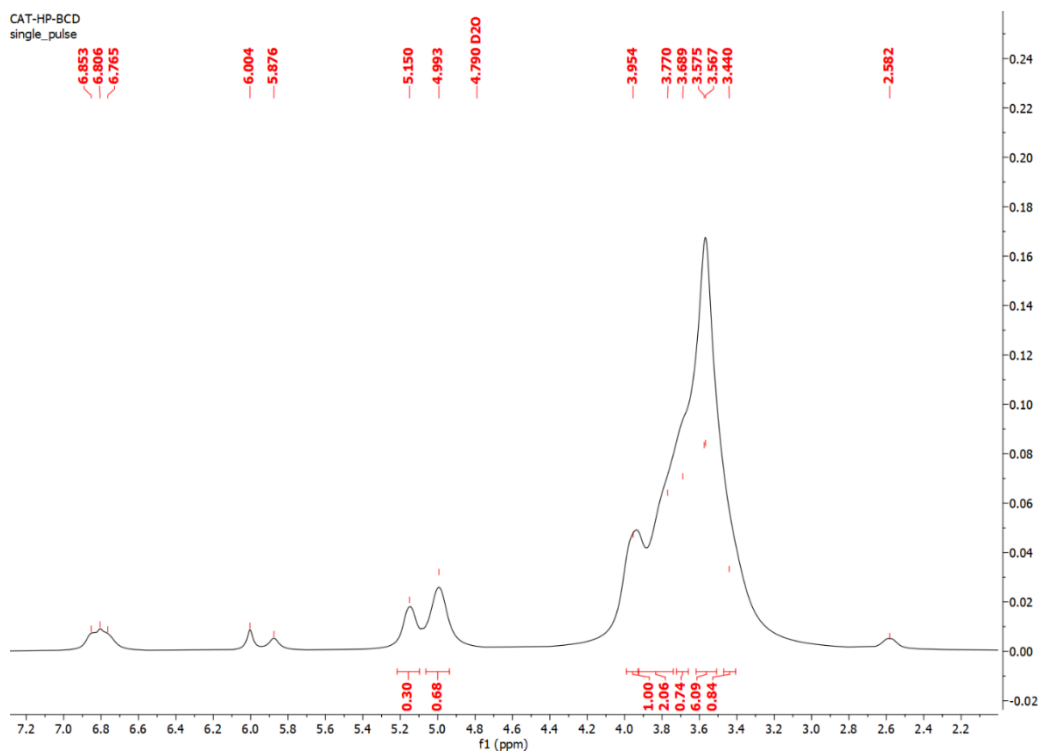
**Fig. S8** The  $^1\text{H}$ -NMR spectra of  $\beta\text{CD}$ .



**Fig. S9** The  $^1\text{H}$ -NMR spectra of Cat- $\beta\text{CD}$  complex.



**Fig. S10** The  $^1\text{H}$ -NMR spectra of HP $\beta$ CD.



**Fig. S11** The  $^1\text{H}$ -NMR spectra of Cat-HP $\beta$ CD complex.