

Supporting Information

Preparation and Characterization of Phloretin by Complexation with Cyclodextrins

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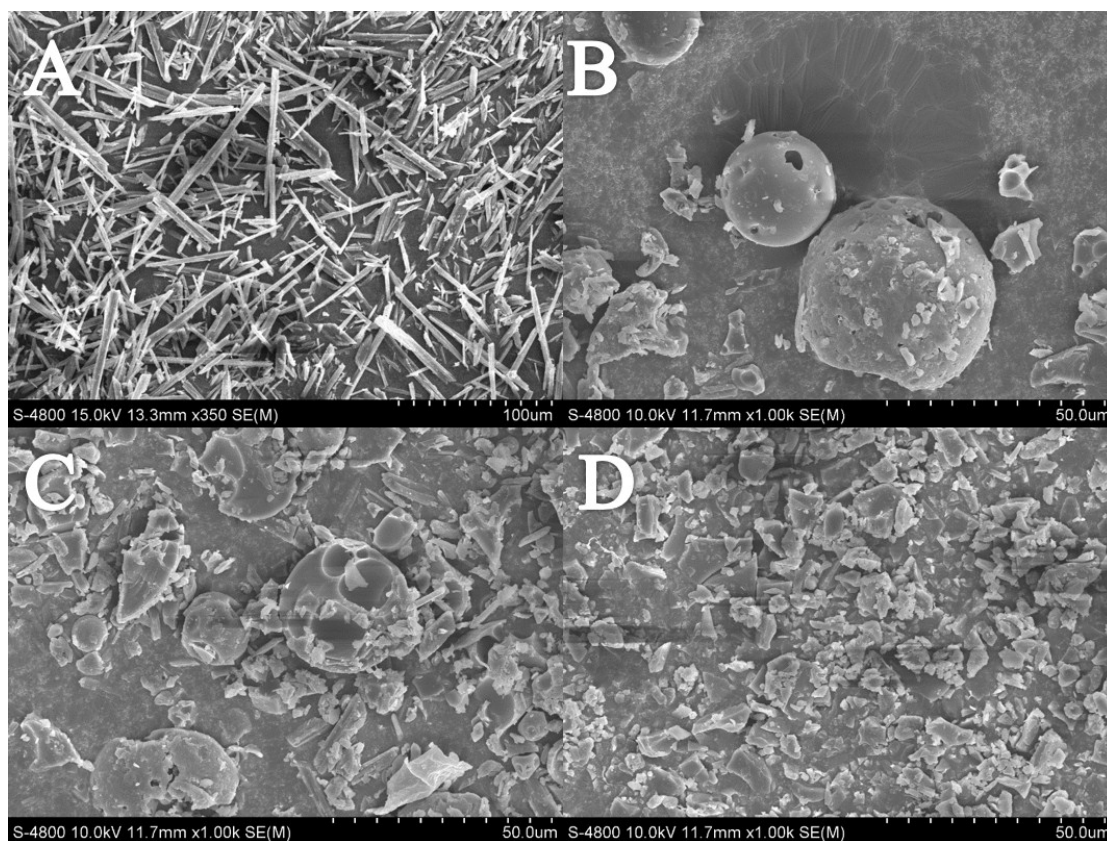


Fig. S1 Scanning electron microphotographs: (A) phloretin (B) HP-β-CD (C) phloretin/HP-β-CD physical mixture (D) phloretin-HP-β-CD inclusion complex

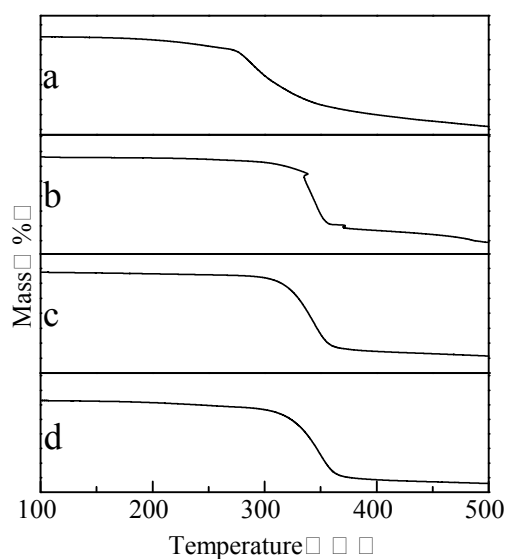


Fig. S2 TGA: (a) phloretin, (b) HP-β-CD, (c) phloretin/HP-β-CD physical mixture, (d) phloretin-HP-β-CD inclusion complex.

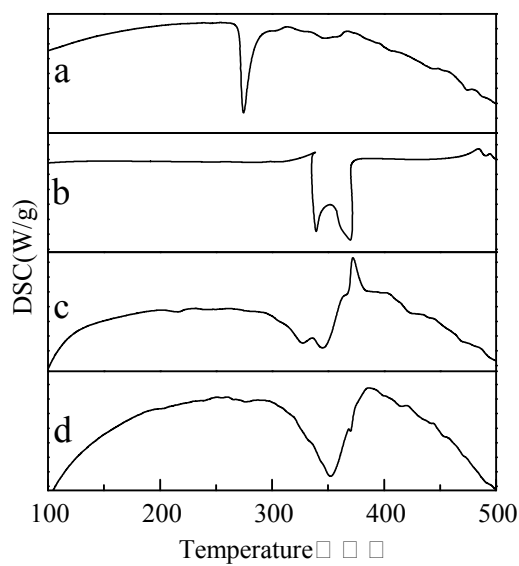


Fig. S3 DSC thermograms: (a) phloretin, (b) HP-β-CD, (c) phloretin/HP-β-CD physical mixture, (d) phloretin-HP-β-CD inclusion complex

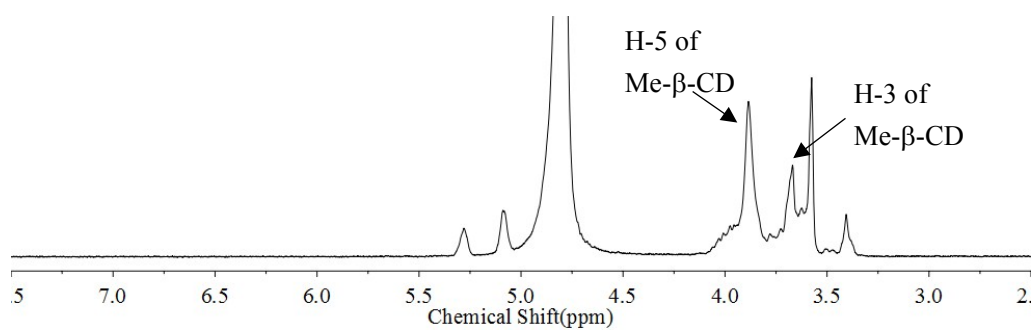


Fig. S4 ¹H NMR spectrum of the Me-β-CD in D₂O at 25 °C

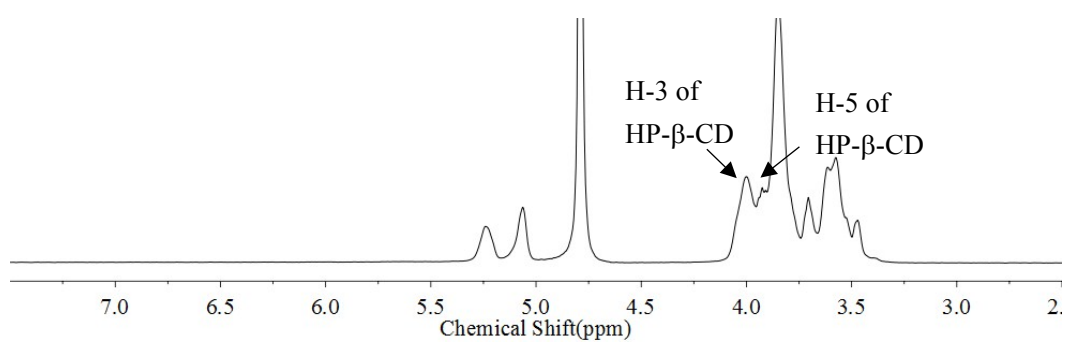


Fig. S5 ¹H NMR spectrum of the HP-β-CD in D₂O at 25 °C

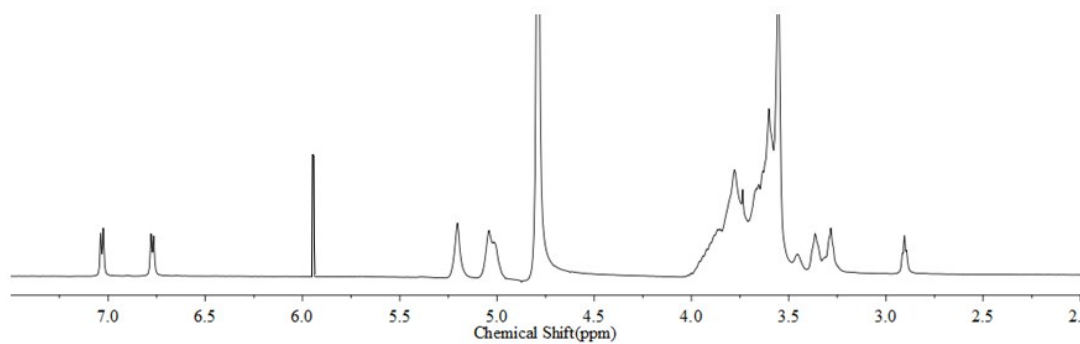


Fig. S6 ^1H NMR spectrum of the phloretin-Me- β -CD inclusion complex in D_2O at 25 $^\circ\text{C}$

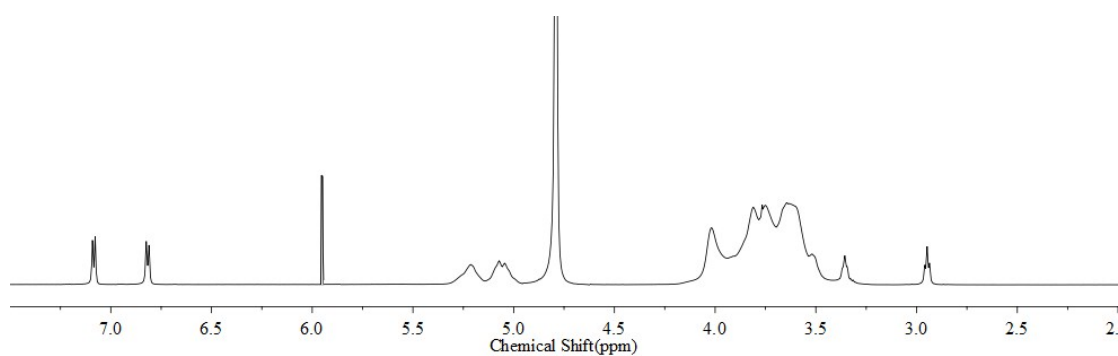


Fig. S7 ^1H NMR spectrum of the phloretin-HP- β -CD inclusion complex in D_2O at 25 $^\circ\text{C}$

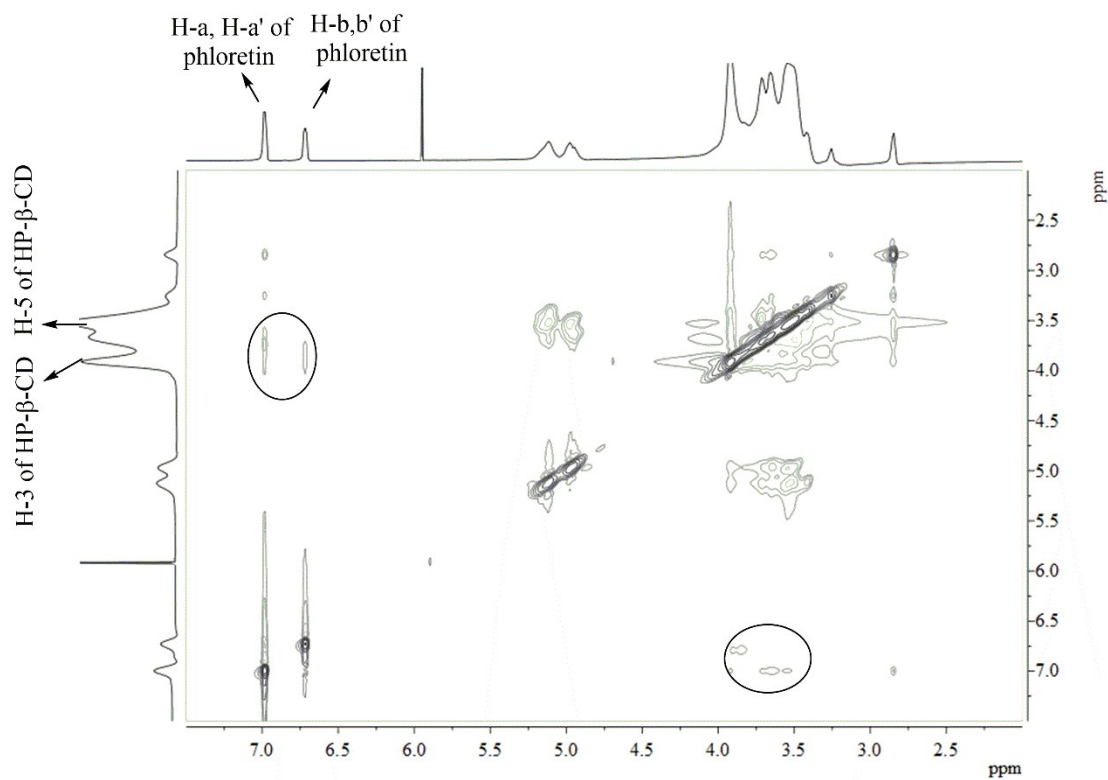


Fig. S8 ROESY spectrum of the phloretin-HP- β -CD inclusion complex in D₂O at 25 °C