

## Supplementary Information

**Figure S1.**  $^1\text{H}$  NMR spectrum of (a) Inclusion complex (MAA- $\beta$ CD-DCP); (b) 2,4-DCP and (c) MAA- $\beta$ CD monomer.

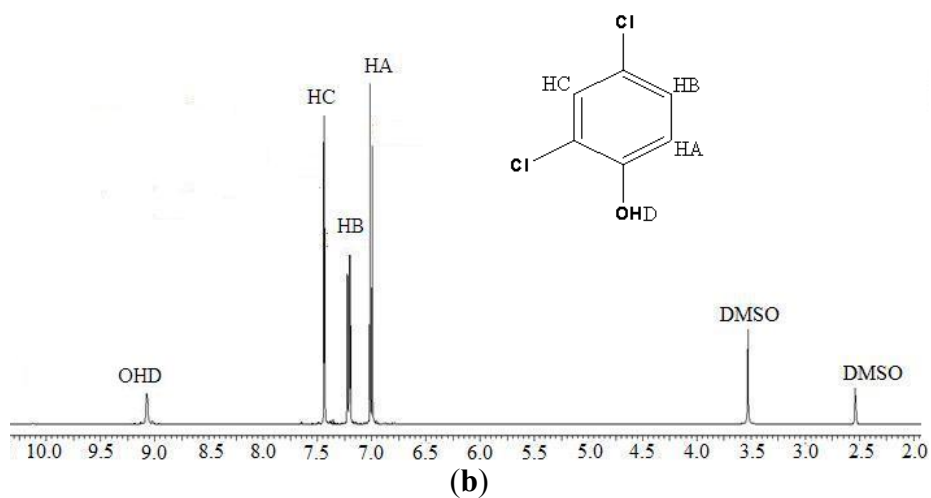
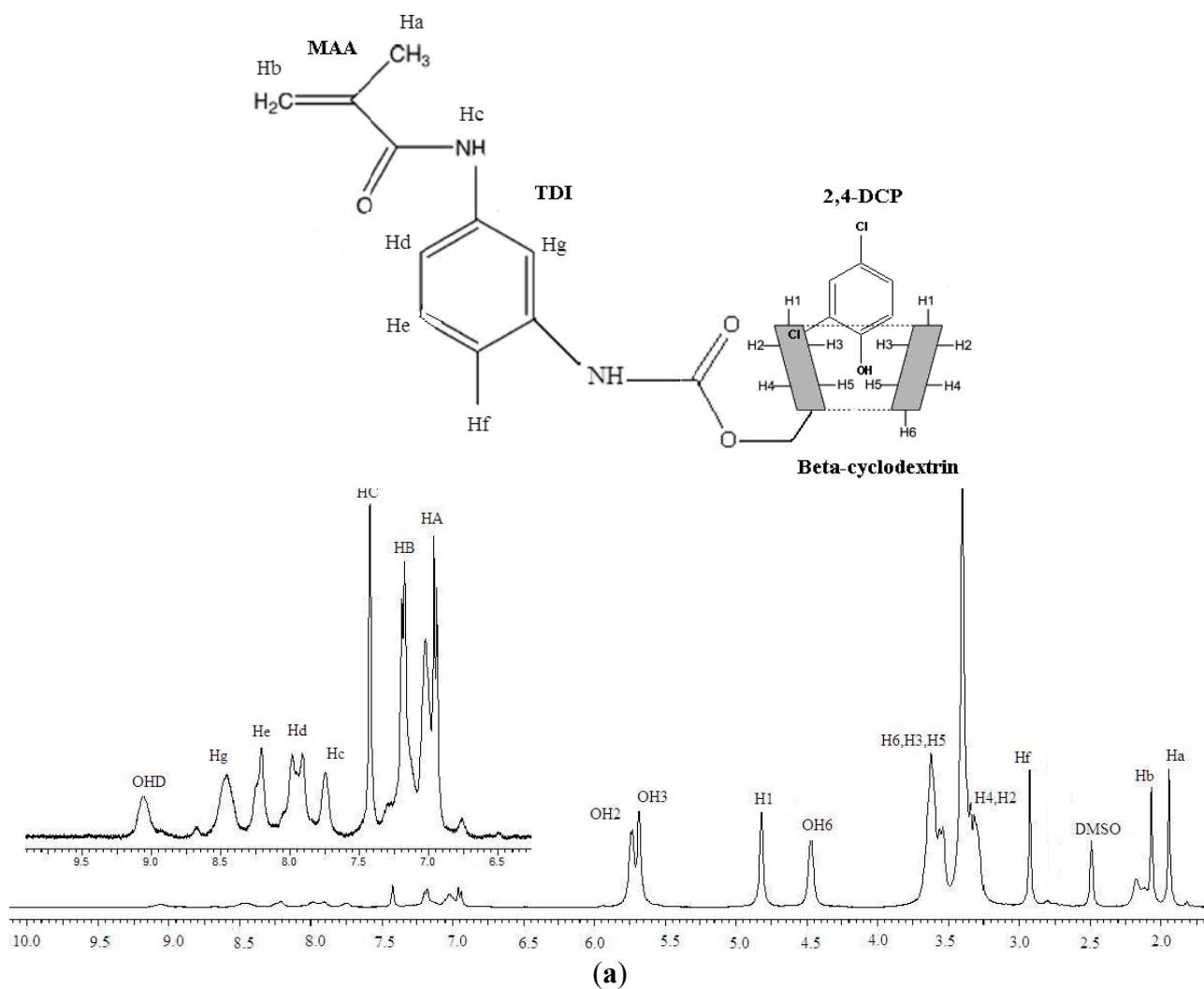
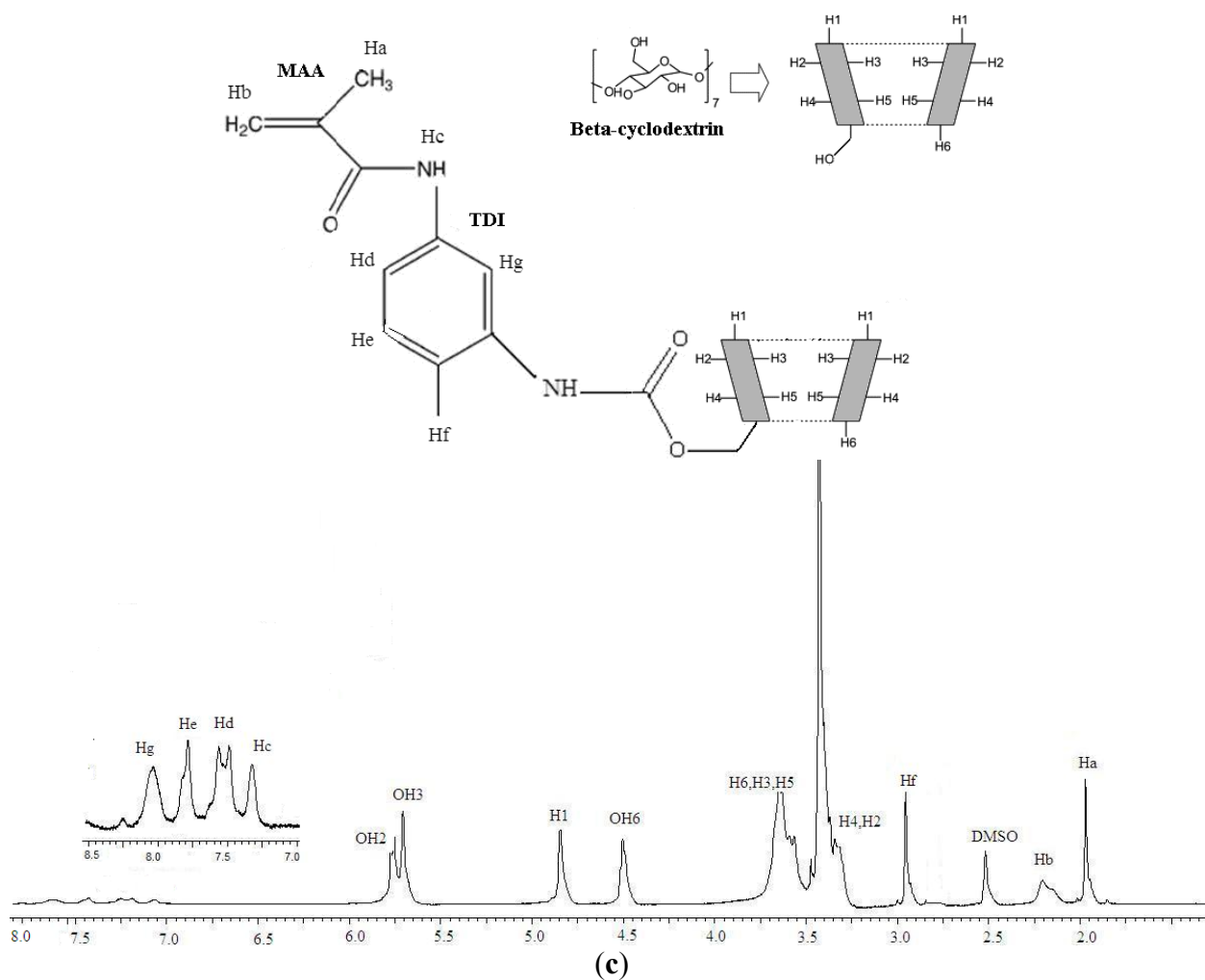


Figure S1. Cont.



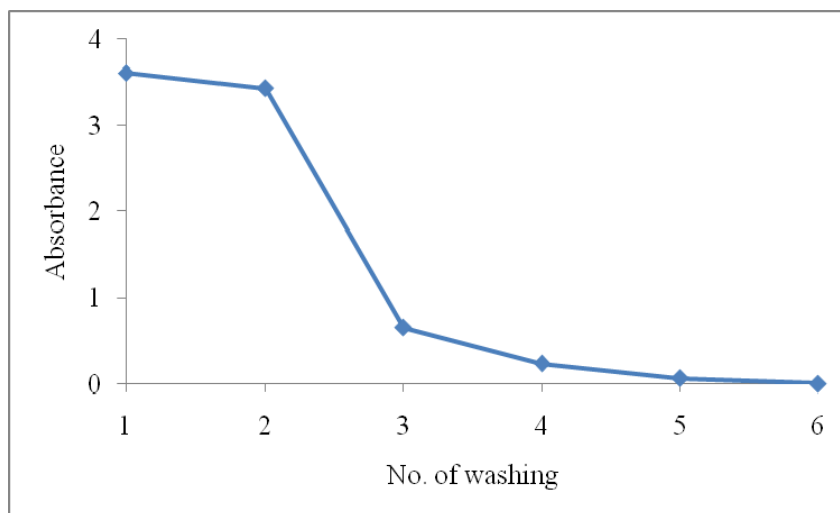
**Table S1.**  $^1\text{H}$  NMR chemical shift (ppm) for MAA- $\beta$ CD, 2,4-DCP and inclusion complex (MAA- $\beta$ CD-DCP).

Compounds	MAA- $\beta$ CD ( $\delta$ ppm)	DCP ( $\delta$ ppm)	MAA- $\beta$ CD-DCP ( $\delta$ ppm)	$\Delta$ MAA- $\beta$ CD-DCP ( $\delta$ ppm)
MAA				
Ha	1.9445		1.9408	-0.0037
Hb	2.7713		2.7676	-0.0037
TDI				
Hc	7.7248		7.7481	0.0233
Hd	7.9205		7.9079	-0.0126
He	8.2204		8.2088	-0.0116
Hf	2.9306		2.9245	-0.0061
Hg	8.4229		8.4547	0.0318

Table S1. Cont.

Compounds	MAA- $\beta$ CD ( $\delta$ ppm)	DCP ( $\delta$ ppm)	MAA- $\beta$ CD-DCP ( $\delta$ ppm)	$\Delta$ MAA- $\beta$ CD-DCP ( $\delta$ ppm)
$\beta$ -CD				
H <sub>1</sub>	4.8203		4.8179	-0.0024
H <sub>2</sub>	3.3272		3.3156	-0.0116
H <sub>3</sub>	3.6213		3.5621	-0.0592
H <sub>4</sub>	3.362		3.3406	-0.0214
H <sub>5</sub>	3.6012		3.5395	-0.0617
H <sub>6</sub>	3.6482		3.6231	-0.0251
OH <sub>2</sub>	5.5806		5.7265	0.1459
OH <sub>3</sub>	5.6752		5.6795	0.0043
OH <sub>6</sub>	4.4487		4.4707	0.022
DCP				
H <sub>A</sub>		6.9499	6.9377	-0.0122
H <sub>B</sub>		7.1879	7.1952	0.0073
H <sub>C</sub>		7.3697	7.4216	0.0519
OH <sub>D</sub>		9.83	9.063	-0.767

Figure S2. Plot of Absorbance versus number of washing of template molecule (2,4-dichlorophenol).



© 2014 by the authors; licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution license (<http://creativecommons.org/licenses/by/3.0/>).