

Supporting Information

Cyclodextrin-phenylboronic acid cross-linked hydrogel with drug hosting, self-healing and pH-sensitive for sustained drug release

Daijun Chen,¹ Guanglei Ren,² Xiaoli Zhao,¹ Jinni Luo,¹ Huanxia Wang,¹ Pengxiang Jia^{1*}

¹Key Laboratory of Synthetic and Natural Functional Molecule of Ministry of Education, College of Chemistry and Materials Science, Northwest University, Xi'an, Shanxi 710127, China

²Miracll Chemicals Co., Ltd., Yantai, Shandong, 264006, China

Corresponding Author

pxjia@nwu.edu.cn (P. Jia)

Table. S1. Chemical shift δ and $\Delta\delta$ of protons of β -CD and β -CD/SA inclusion complex.

	H1	H2	H3	H4	H5	H6	Ar-H
$\delta_{\beta\text{-CD}}$ (ppm)	5.0	3.57	3.89	3.51	3.59	3.8	---
δ_{complex} (ppm	4.88	3.44	3.75	3.4	3.47	3.69	6.82-7.7
)							
$\Delta\delta$ (ppm)	0.12	0.13	0.14	0.11	0.12	0.11	