

## Supporting Information

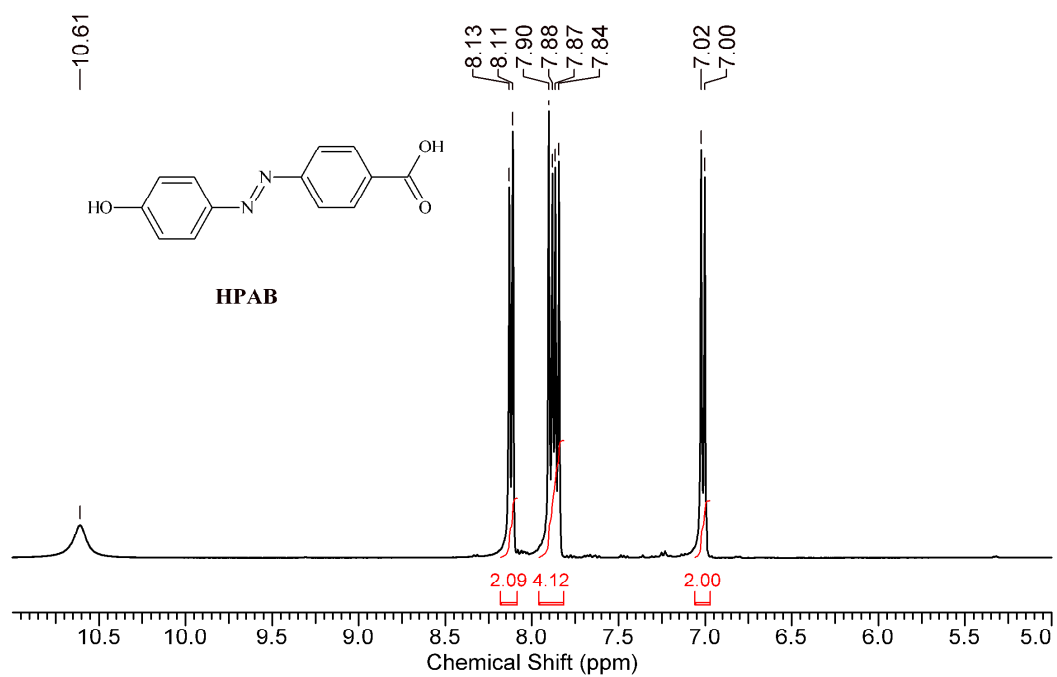
### **Multi-Responsive Hydrogels Based on Xylan-type Hemicelluloses and Photoisomerized Azobenzene Copolymer as Drug Delivery Carrier**

Xuefei Cao,<sup>†‡</sup> Xinwen Peng,<sup>†\*</sup> Linxin Zhong,<sup>†</sup> Runcang Sun<sup>†‡\*</sup>

<sup>†</sup> State Key Laboratory of Pulp and Paper Engineering, South China University of Technology, Guangzhou, 510640, China

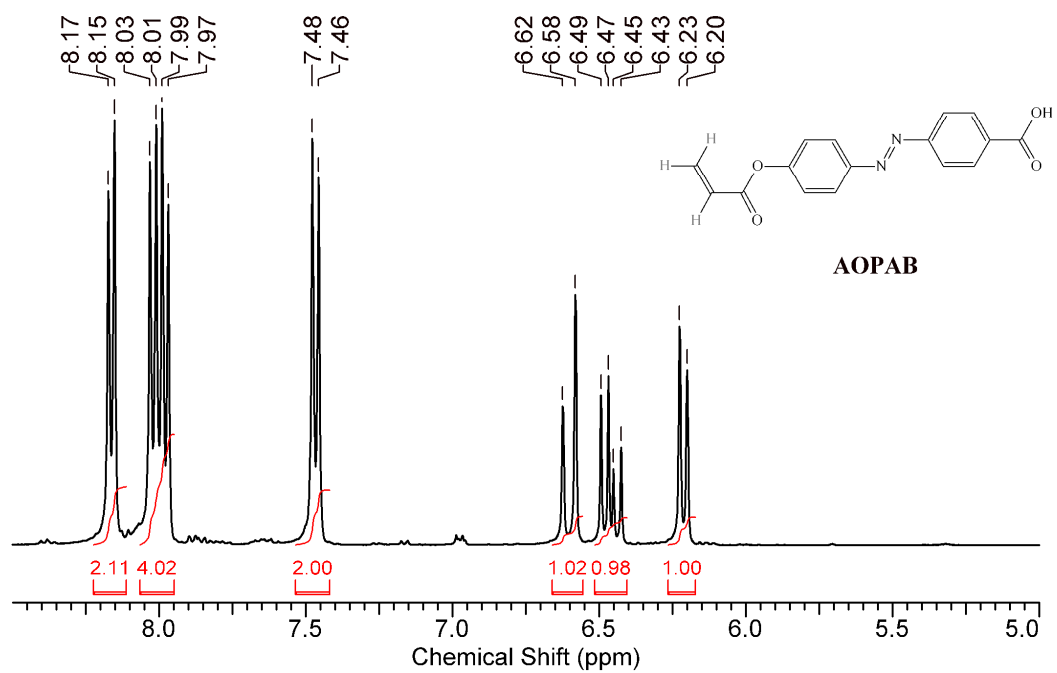
<sup>‡</sup> Institute of Biomass Chemistry and Technology, Beijing Forestry University, Beijing, 100083, China

**$^1\text{H}$  NMR of 4-[(4'-hydroxy)phenylazo]benzoic acid (HPAB).**



**Fig. S1.**  $^1\text{H}$  NMR spectrum of HPAB.

**$^1\text{H}$  NMR of 4-[(4-acryloyloxyphenyl)azo]benzoic acid (AOPAB)**



**Fig. S2.**  $^1\text{H}$  NMR spectrum of AOPAB.