

Supporting information

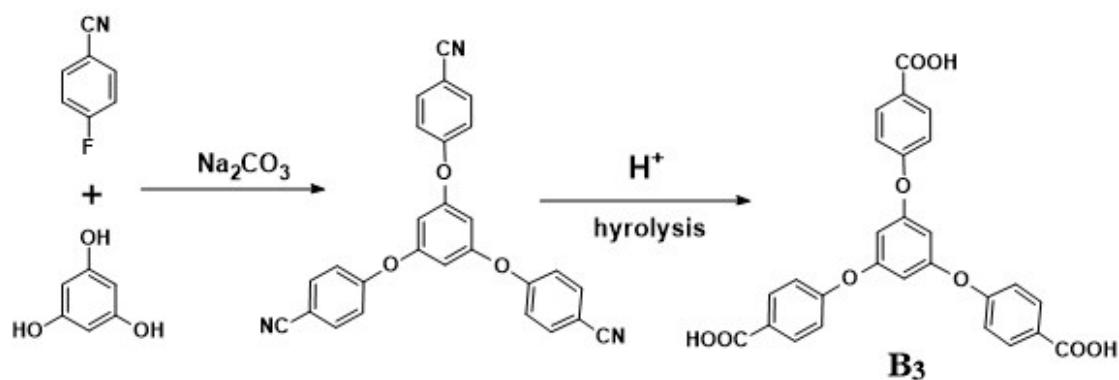
**Synthesis and properties of highly branched polybenzimidazoles as proton
exchange membranes for high-temperature fuel cells**

Jiangpeng Ni^a, Meishao Hu^a, Dong Liu^a, Huixiong Xie^a, Xiongshi Xiang^{a,b,*},

Lei Wang^{a,b,*}

^a *Shenzhen Key Laboratory of Polymer Science and Technology, College of Materials
Science and Engineering, Shenzhen University, Shenzhen 518060, China*

^b *Guangdong Research Center for Interfacial Engineering of Functional Materials,
Shenzhen University, Shenzhen 518060, China*



Scheme. S1. Synthesis route for 1,3,5-tri(4-carboxyphenoxy)benzene (B_3).

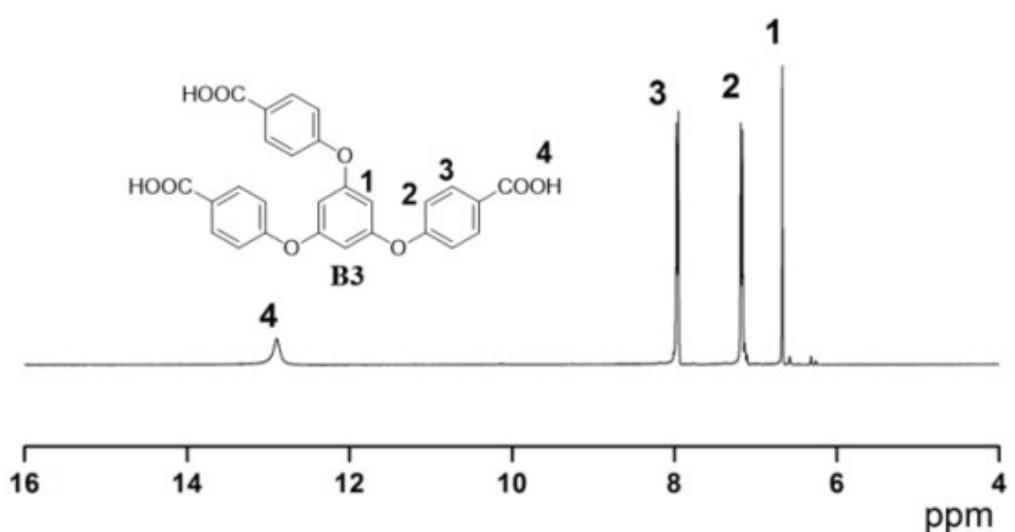


Fig. S1. ¹H NMR spectrum of B₃.