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Supporting Information

Synthesis of Hierarchically Porous ZSM-5 Zeolites by Steamassisted Crystallization of Dry Gel Silanized with Short-chain Organosilane

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Fig. S1 BJH pore size distributions of ZSM-5, APTMS-ZSM-5, AEAPTMS-ZSM-5 and PHAPTMS-ZSM-5 derived from the desorption branch.



Fig. S2 Enlarged view of TEM image of PHAPTMS-ZSM-5



Fig. S3 Nitrogen adsorption-desorption isotherm of calcined CON-0h and inset BJH pore size distribution derived from the adsorption branch.



Fig. S4 Nitrogen adsorption-desorption isotherm of calcined HDTMS-0h and inset BJH pore size distribution derived from the adsorption branch.



Fig. S5 Low magnification SEM image of PHAPTMS-ZSM-5 (72-HPZ).



Fig. S6 XRD pattern of calcined CON-3h.



Fig. S7 Nitrogen adsorption-desorption isotherm of calcined CON-3h and inset BJH pore size distribution derived from the adsorption branch.



Fig. S8 SEM images of (a and b) calcined CON-3h.