SUPPORTING INFORMATION

Dry gel synthesis of hierarchical ZSM-5 zeolite using hydroxyl propyl methyl cellulose (HPMC) as mesoporogen and its catalytic activity in alkylation reaction

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Dosage of catalyst,	Reaction time,	Conversion of
wt% over benzyl alcohol	h	Benzyl alcohol, %
30	2	40.4±0.5
30	4	60.5±0.5
30	8	79.7±0.5
40	2	51.6±0.5
40	4	67.3±0.5
40	8	88.1±0.5
Reactions	conducted at 80 °C	

Table S1. Benzyl alcohol conversion over Z-HEMC.30 catalyst at different reaction condition

Table S2. Reuse of Z-HEMC.30 catalyst in benzylation

Recycle number,	Conversion of	
run	Benzyl alcohol, %	
1	73.8±0.5	
2	72.3±0.5	
3	70.7±0.5	
4	69.5±0.5	
5	68.4±0.5	
Reactions condu	cted after 6h at 80 °C	