

Electronic Supplementary Information (ESI)

Synthesis of nano-SSZ-13 and its application in the reaction of methanol to olefins

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Figure S1: Nitrogen adsorption isotherms of nano and standard SSZ-13, and pore size distribution of nano-SSZ-13.

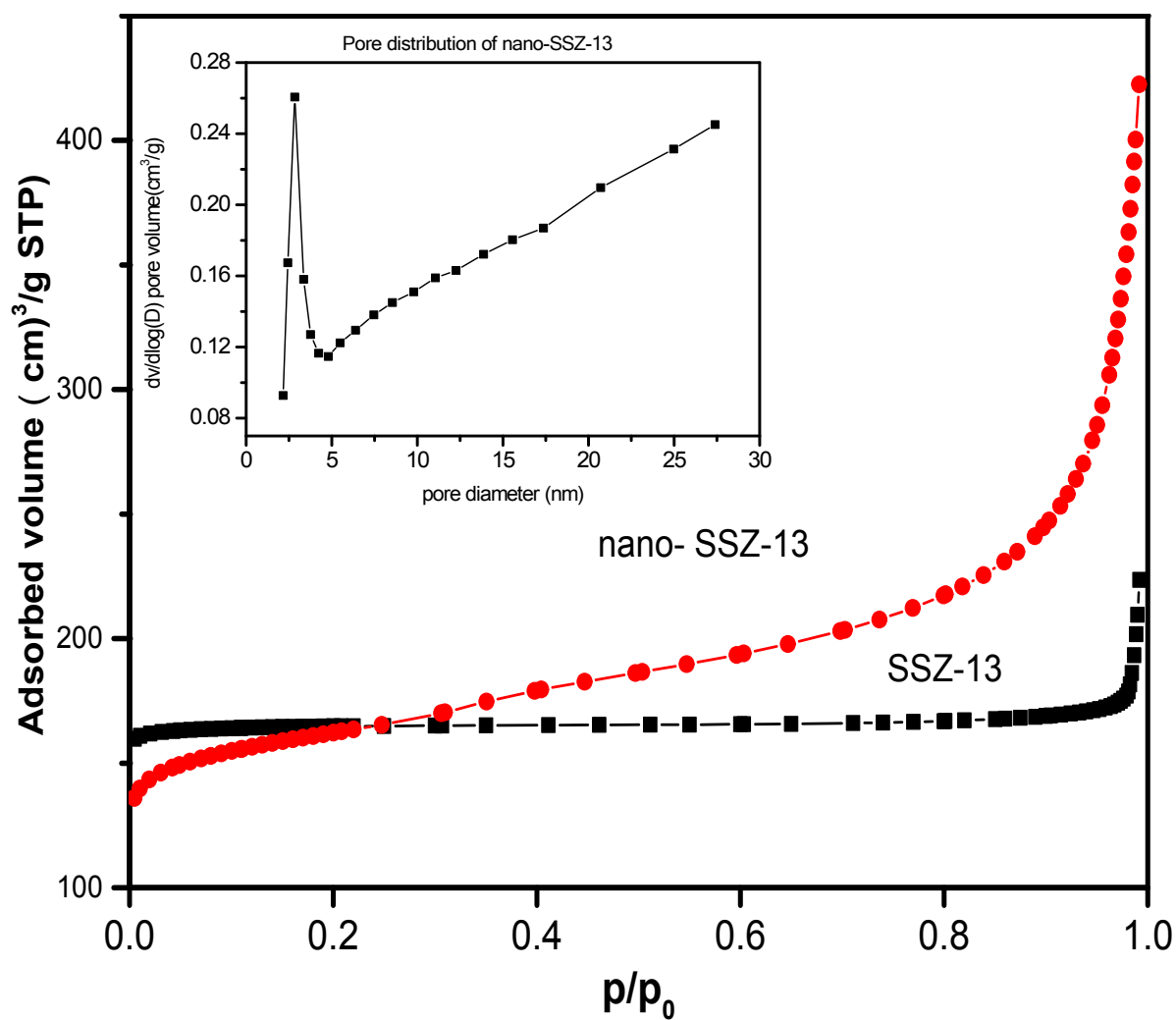


Figure S2: NH_3 -TPD of standard and nano-SSZ-13.

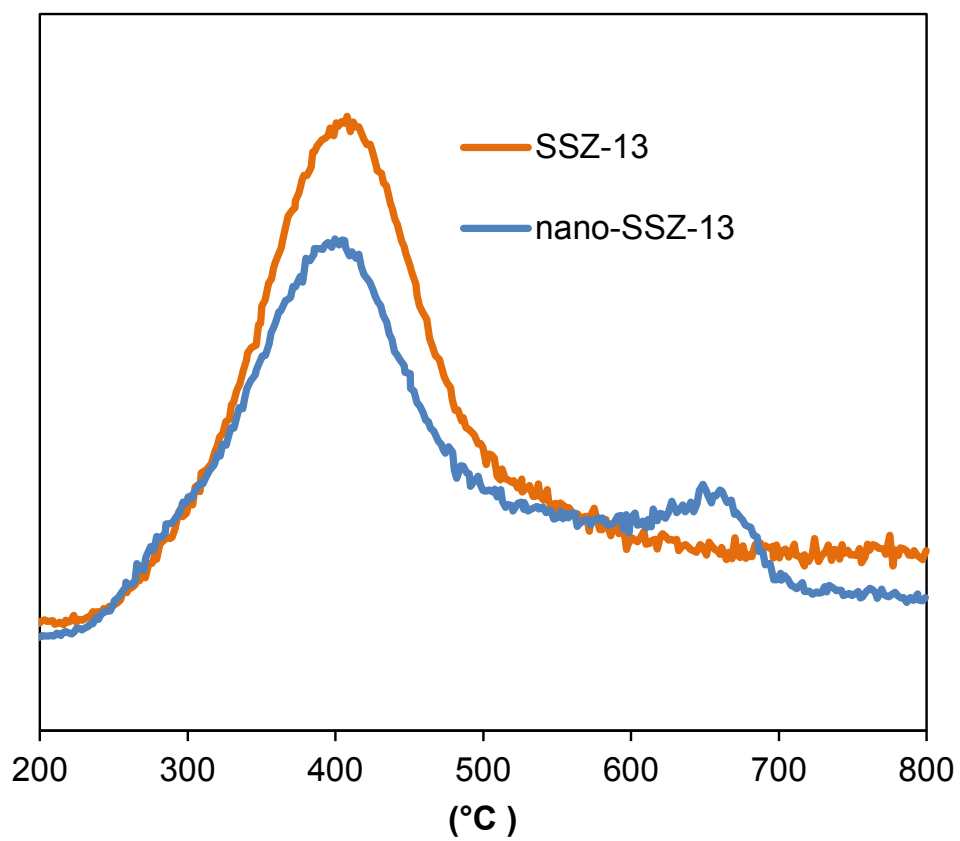


Figure S3: ^{27}Al NMR of the standard and nano-SSZ-13

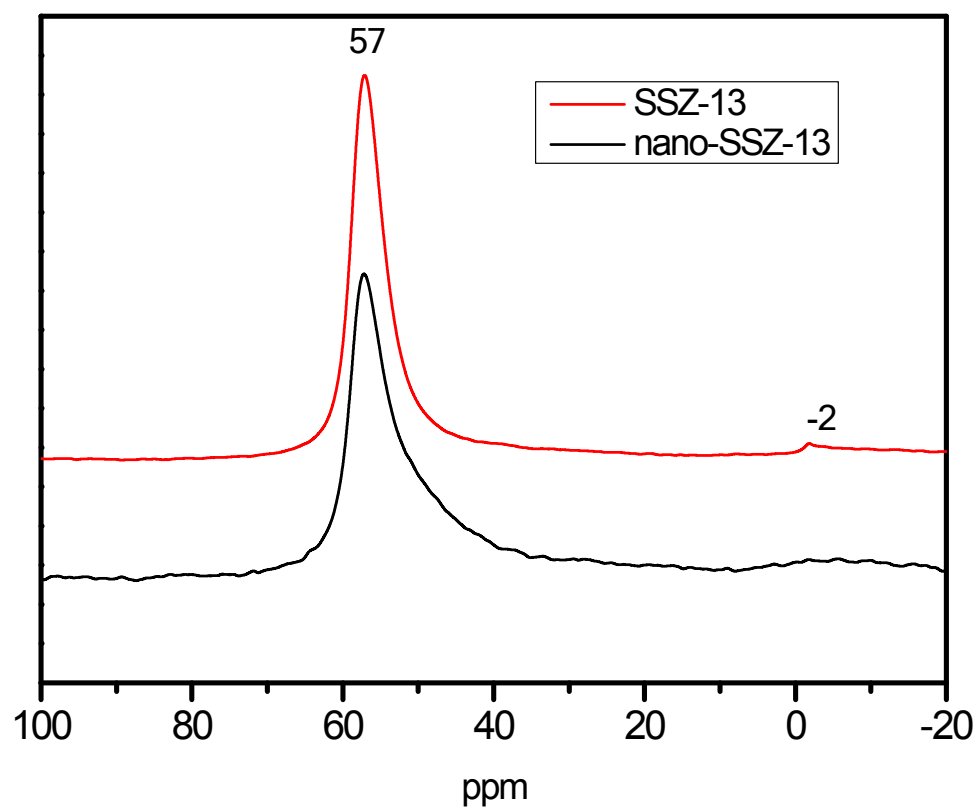


Figure S4: ^{29}Si NMR of the standard and nano-SSZ-13.

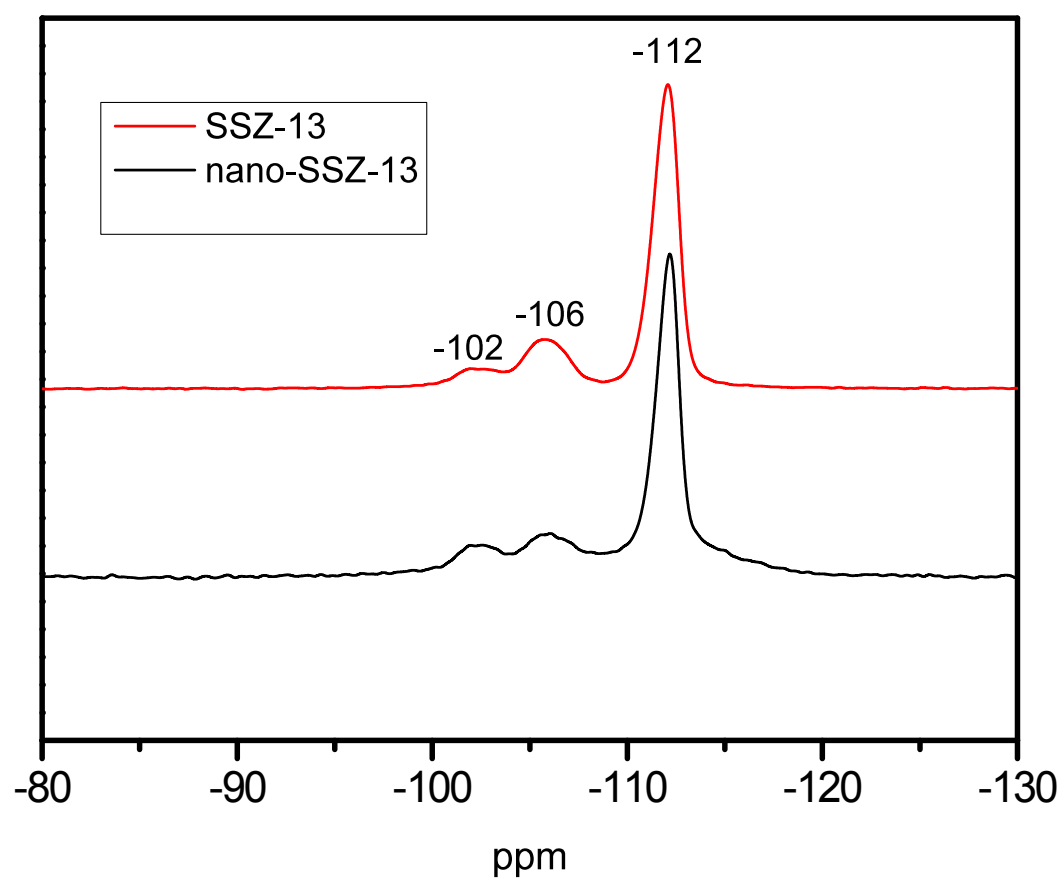
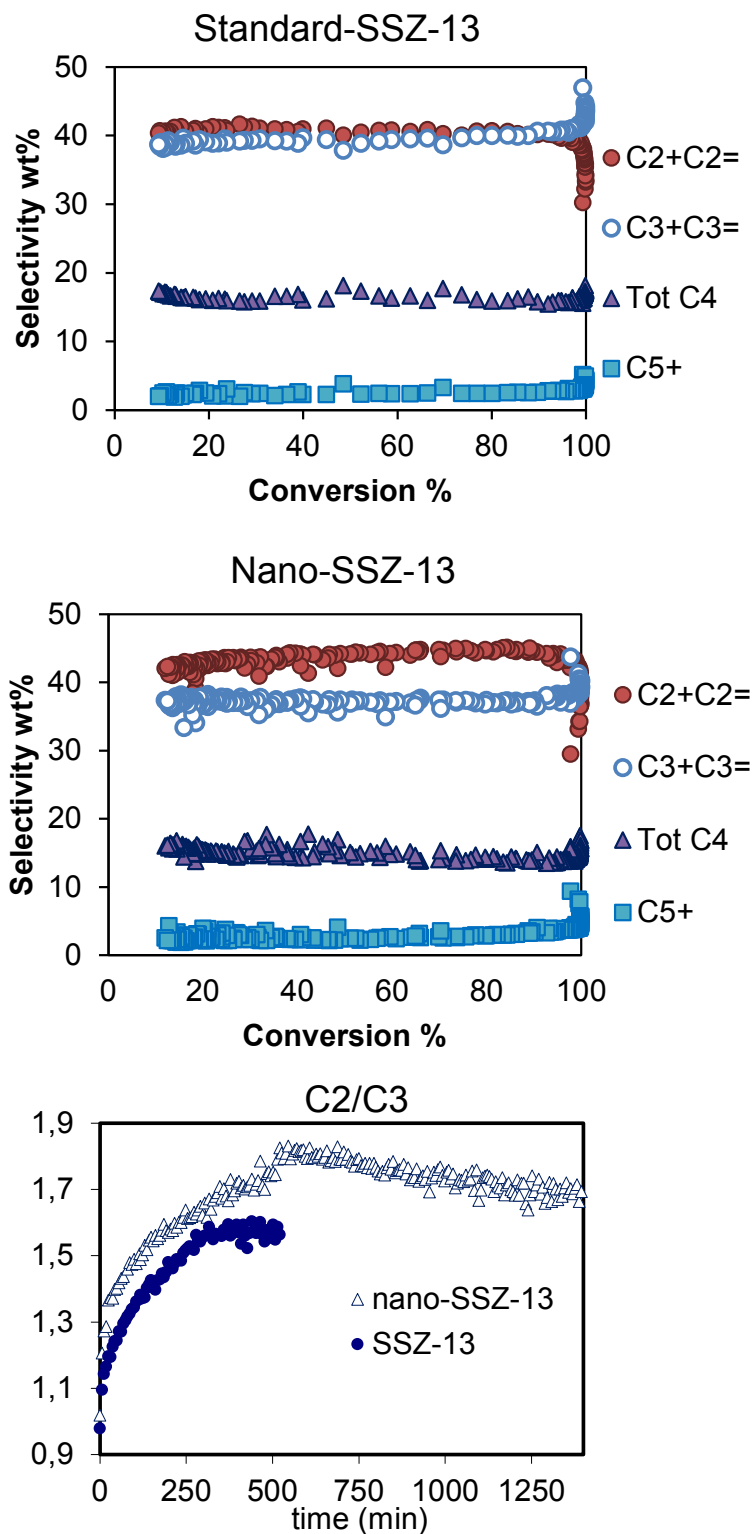


Figure S5: Selectivities to C2, C3 and C4 products and C2/C3 ratio for the conversion of methanol on standard and nano-SSZ-13



Scheme S1: Dual cycle concept for the conversion of methanol on ZSM-5.

