

Electronic Supplementary Information

Efficient synthesis of C₁₅ fuel precursor by heterogeneously catalyzed aldol-condensation of furfural with cyclopentanone

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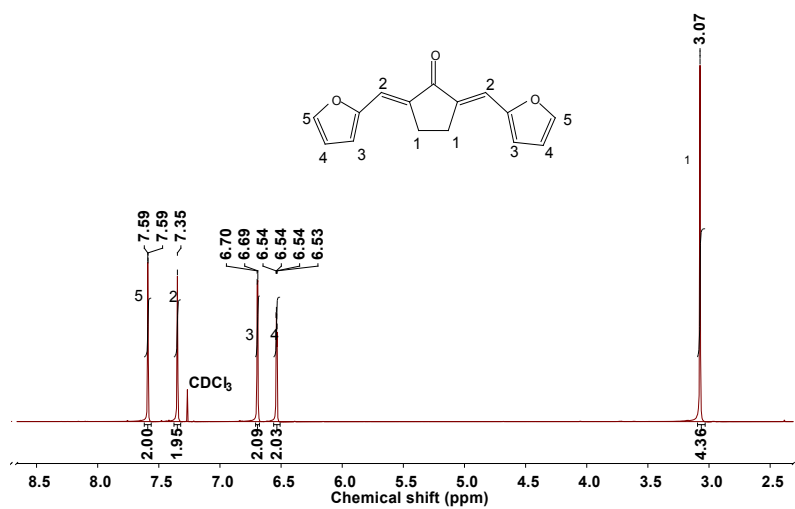


Fig. S1. ^1H NMR spectrum of the solid product obtained over 33wt % $\text{KF}/\gamma\text{-Al}_2\text{O}_3$.

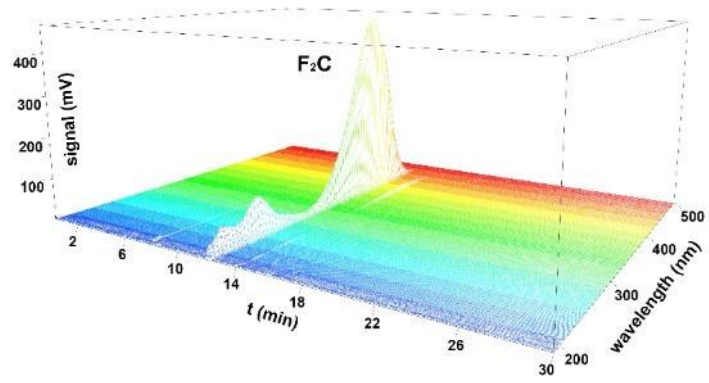


Fig. S2. HPLC chromatogram of the solid product obtained over 33wt % KF/ γ -Al₂O₃.

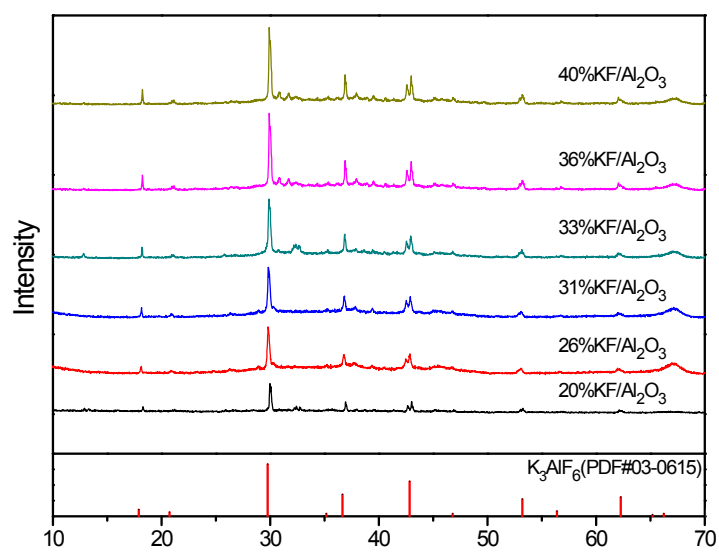


Fig. S3. XRD patterns of different KF loading KF/ γ - Al_2O_3 .

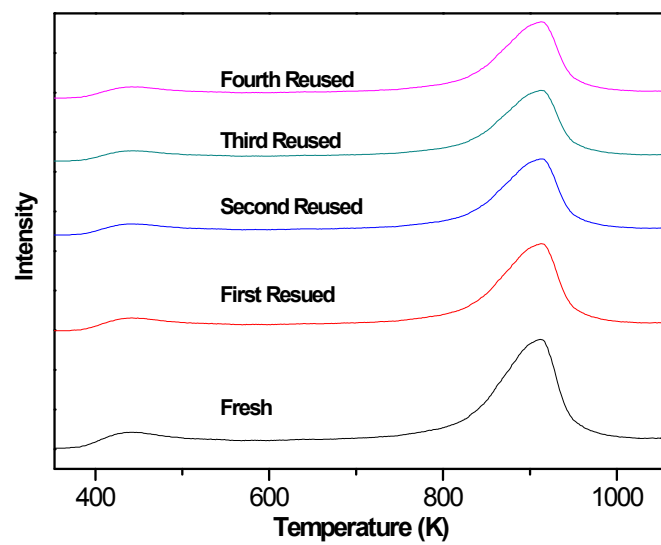


Fig. S4. Comparison of the CO₂-TPD curves of the fresh and reused catalysts