

Supporting Information

Triazine Functionalized Ordered Mesoporous Organosilica as a Novel Organocatalyst for the Facile One-Pot Synthesis of 2-Amino-4*H*-Chromene under Solvent-Free Conditions

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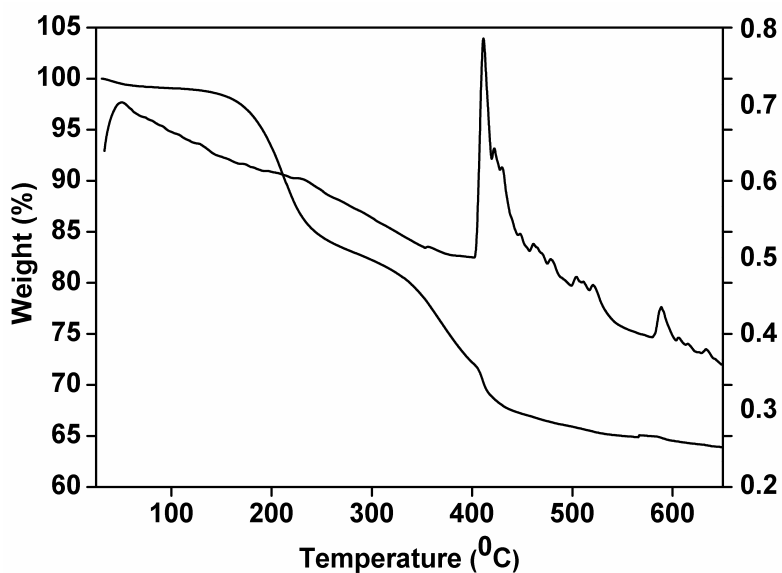


Fig. S1: TGA and DTA data of the mesoporous organocatalyst (TFS)

Titrimetric Estimation of Functional Group Loading [%]: The amounts of 2,4,6-triallyloxy-1,3,5-triazine loaded into thiol functionalized SBA-15 material was estimated by the back titrimetric method in the presence of known strength of HCl and NaOH, respectively. It is based on the assumption that all tertiary nitrogen atoms of the triazine frame work are converted into N^+Cl^- species. The excess HCl was estimated by back titration method in presence of known strength of NaOH. The strengths of the HCl/NaOH solutions were kept very low (0.01 N) in order to avoid the consumption of the acid/base in the hydrolysis of the mesoporous silica frameworks. The titrimetric analysis shows that the organic loading in the triazine functionalized organocatalyst is 0.98 mmol g^{-1} .