

## Supplementary Information

### ***p*-Sulfonic acid calix[*n*]arenes: the most active and water tolerant organocatalysts in esterification reactions**

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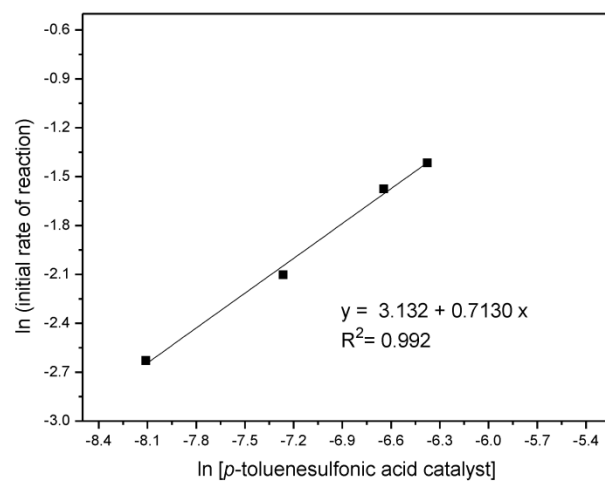
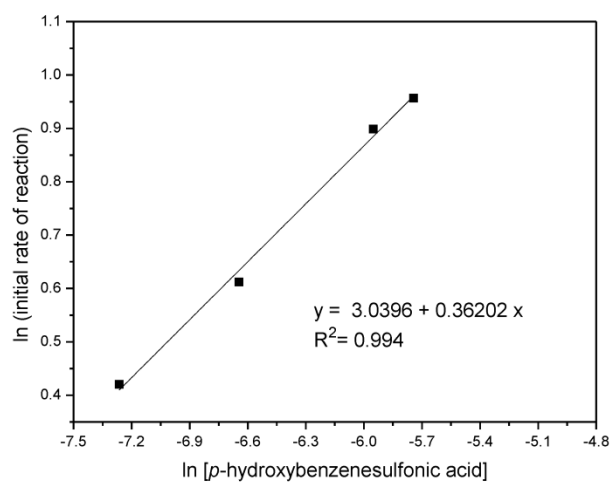
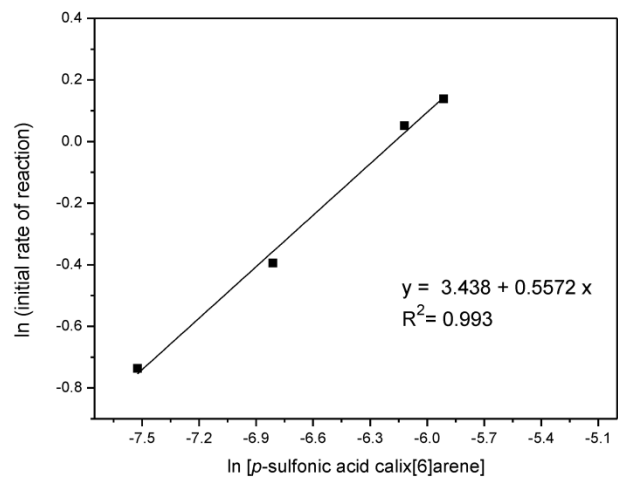


Figure S1 Order of reaction with respect to the sulfonic acid catalyst concentration.

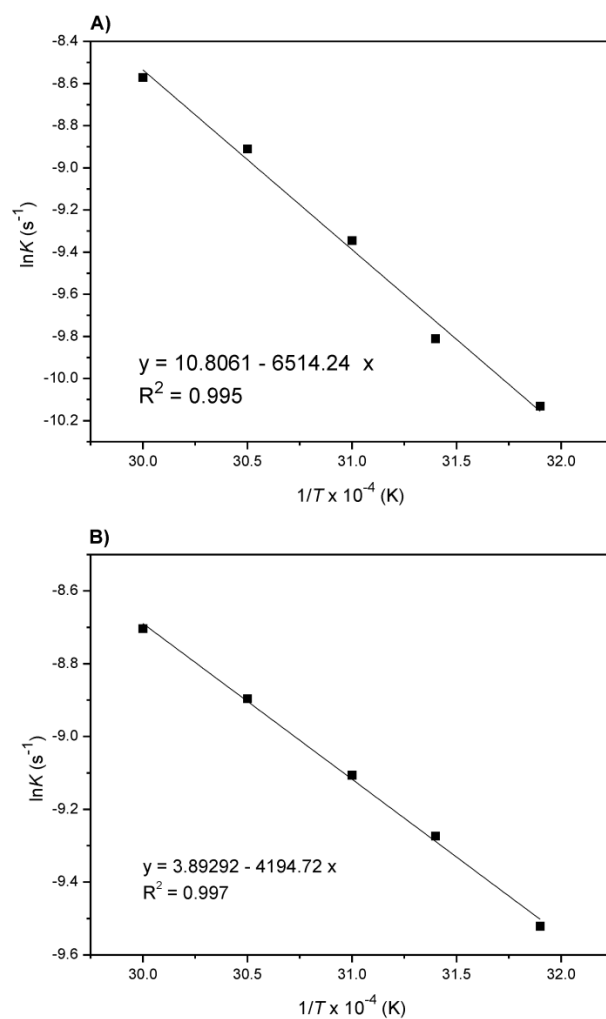


Figure S2 Arrhenius plots of the palmitic acid esterification reactions with deuterated methanol at temperatures ca. 313-333 K. **A)** *p*-sulfonic acid calix[6]arene (**I**) and **B)** *p*-hydroxybenzenesulfonic acid (**II**).

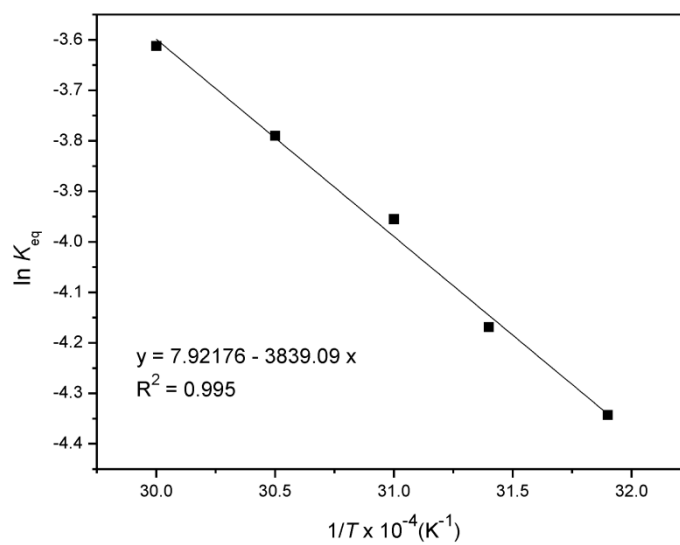


Figure S3 Linear plots of  $\ln K_{eq}$  versus  $1/T$  for the *p*-sulfonic acid calix[6]arene (**II**) catalyzed palmitic acid esterification with  $\text{CD}_3\text{OD}$ .