

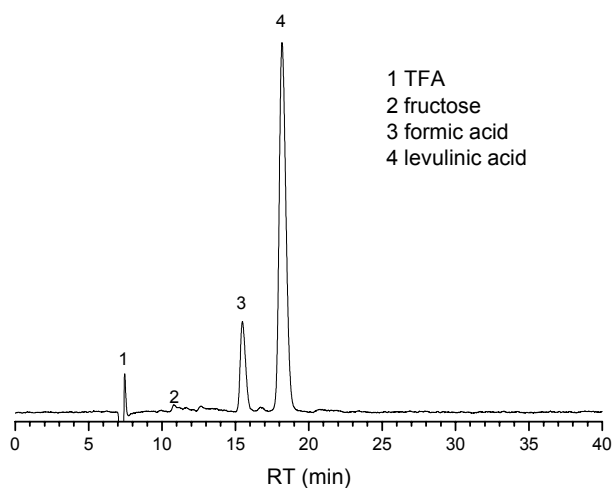
## Supplementary information to "Combined Dehydration/(transfer)-Hydrogenation of C6-sugars (D-glucose and D-fructose) to $\gamma$ -valerolactone using ruthenium catalysts "

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Selected HPLC chromatograms of reaction products:

### 1. Conversion of D-Fructose to LA using TFA as the catalyst

0.5 M Fructose, 0.5 M TFA, T=180C, 10 mins



### 2. Conversion of D-Fructose to GVL using hydrogen, TFA as the acid and Ru/C as the hydrogenation catalyst (Table 2, entry 6)

HPLC chromatogram of entry 6, table 2  
(D-Fructose and hydrogen)

1 TFA  
2 fructose  
3 formic acid  
4 acetic acid  
5 levulinic acid  
6 GVL

