

Support information:

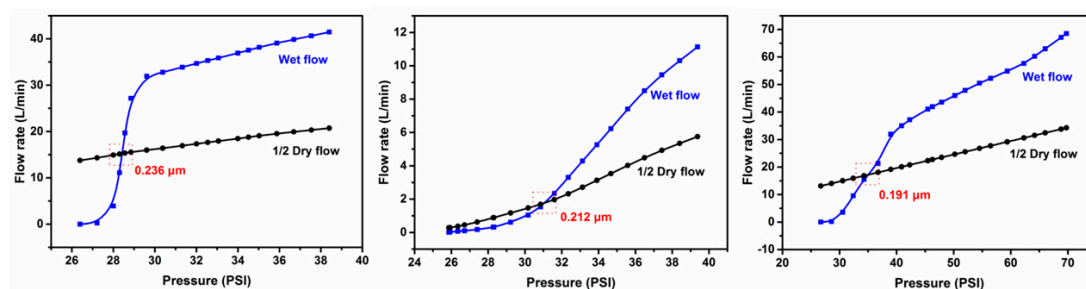


Figure S1. Sketch of the pressure-flow rate curves measured by LLP. (a) Blank RGM-PSF membrane; (b) Lecithin-modified RGM-PSF membrane; (c) Lipase immobilized RGM-PSF membrane;

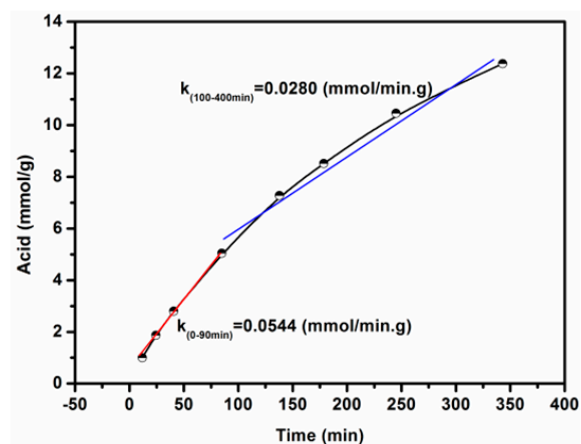


Figure S2. Time course of TA hydrolysis in the bioreactor.

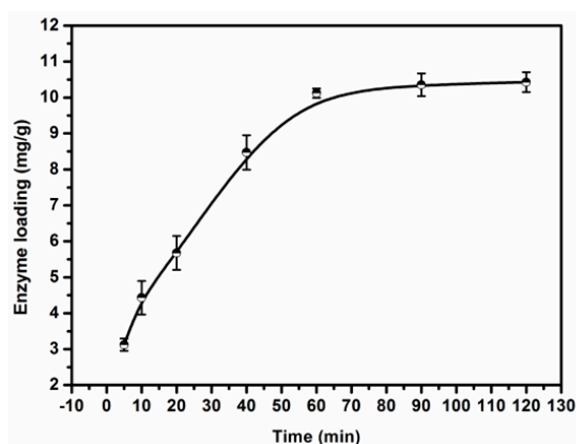


Figure S3. Effect of time on the enzyme loading.

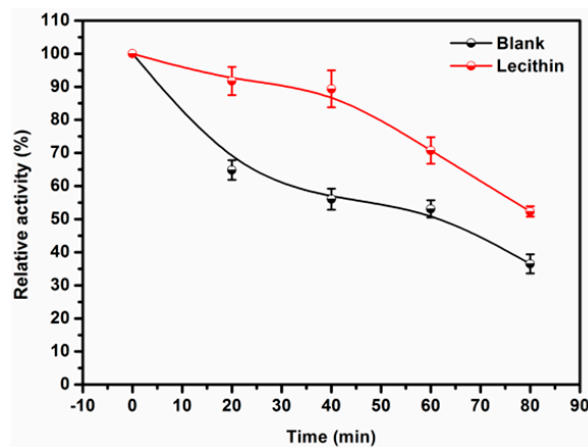


Figure S4. Thermal stability of the lecithin-modified EMBR and blank EMBR.

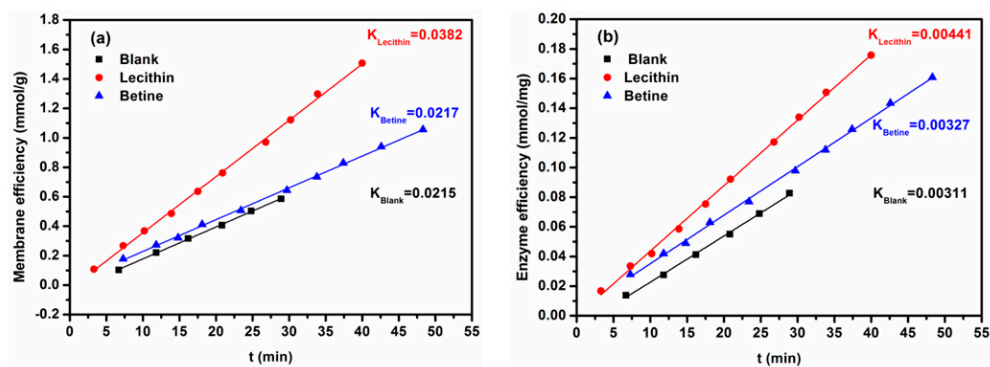


Figure S5. The comparison of the activity of membrane and enzyme between different surfactants modified EMBRs.