

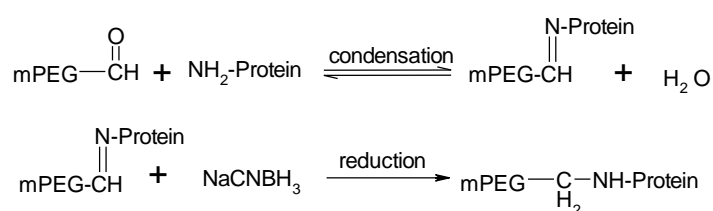
Supporting Information

N-terminal PEGylated Cellulase: A High Stability Enzyme in 1-butyl-3-methylimidazolium chloride

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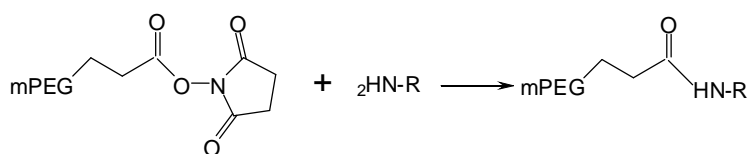
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Preparation of Cell-ALD



Scheme S1 Reaction of cellulase modification with mPEG-ALD

Preparation of Cell-SPA 5k



Scheme S2 Reaction of cellulase modification with mPEG-SPA

Determination of conversion of cellulose

The conversion of cellulose was defined as follows:

$$\text{Conversion of cellulose(\%)} = \frac{\text{Concentration of reducing sugars mg/mL}}{\text{Concentration of cellulose mg/mL}} \times 100\% \times 0.9$$

Hydrolysis of MCC by Cell-ALD 5k and Cellulase in aqueous buffer system

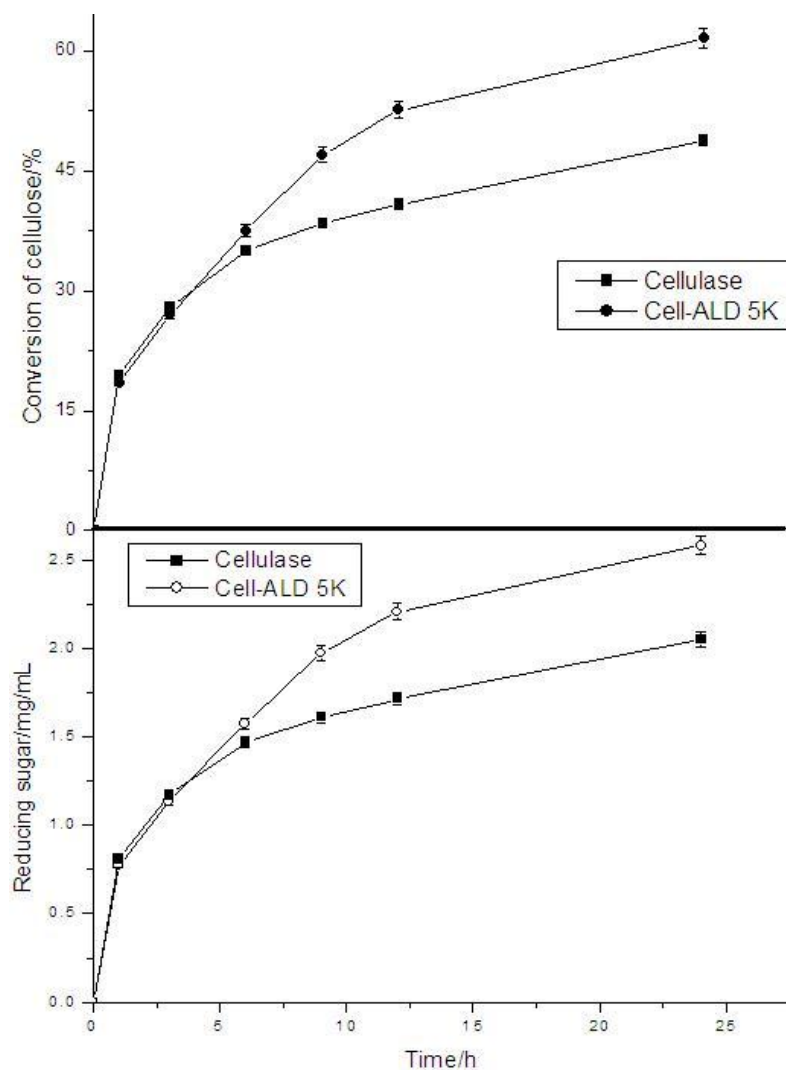


Fig.S1 Hydrolysis of MCC by Cell-ALD 5k and Cellulase in aqueous buffer system

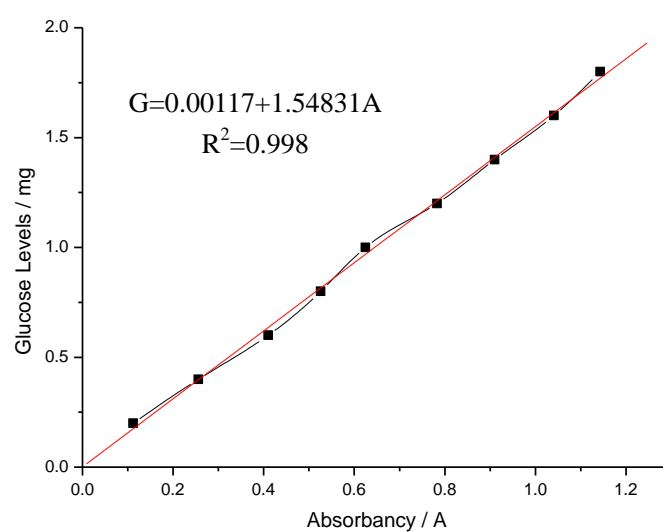


Fig. S2 The absorbance at 540 nm of D-glucose standard solutions in DNS analysis.