

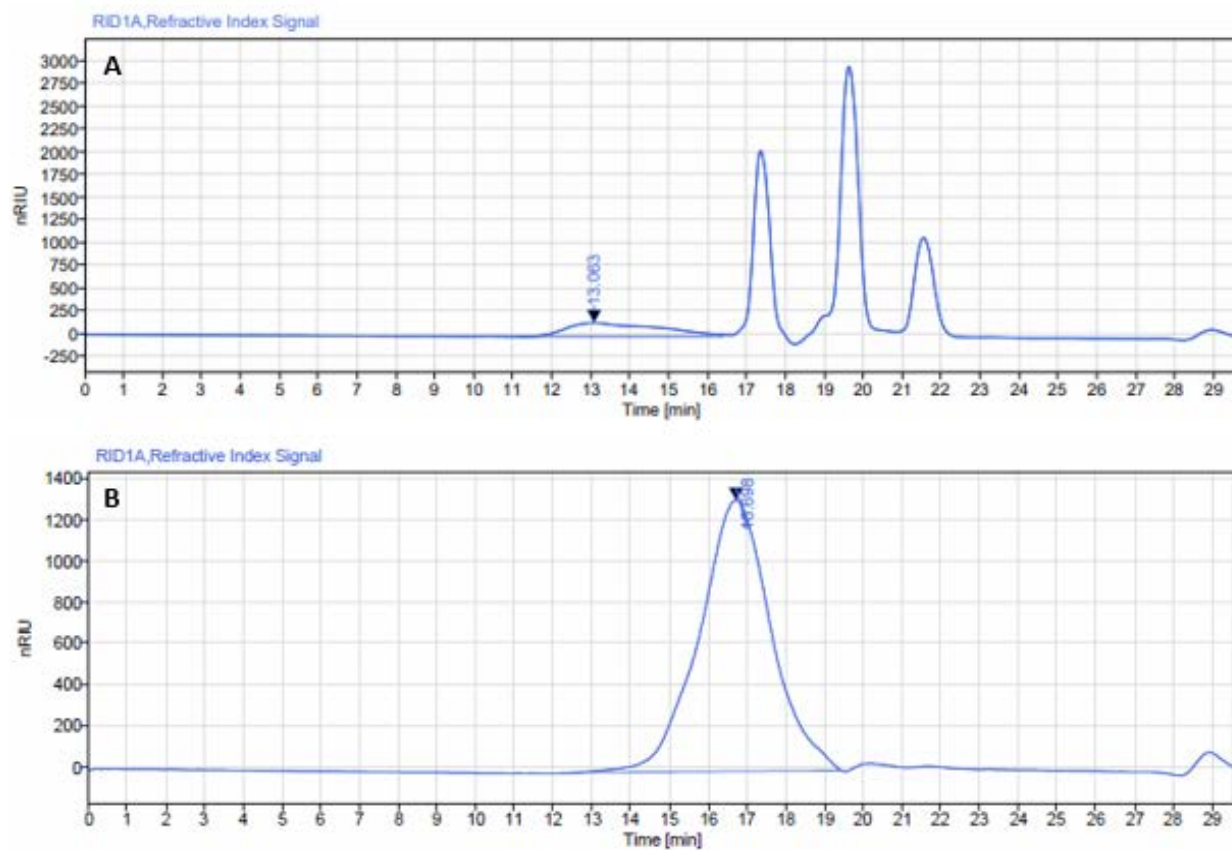


Figure S1. HPLC elution profile of Aloe powder (200X) (A) and isolated aloe polysaccharide I50 (B).

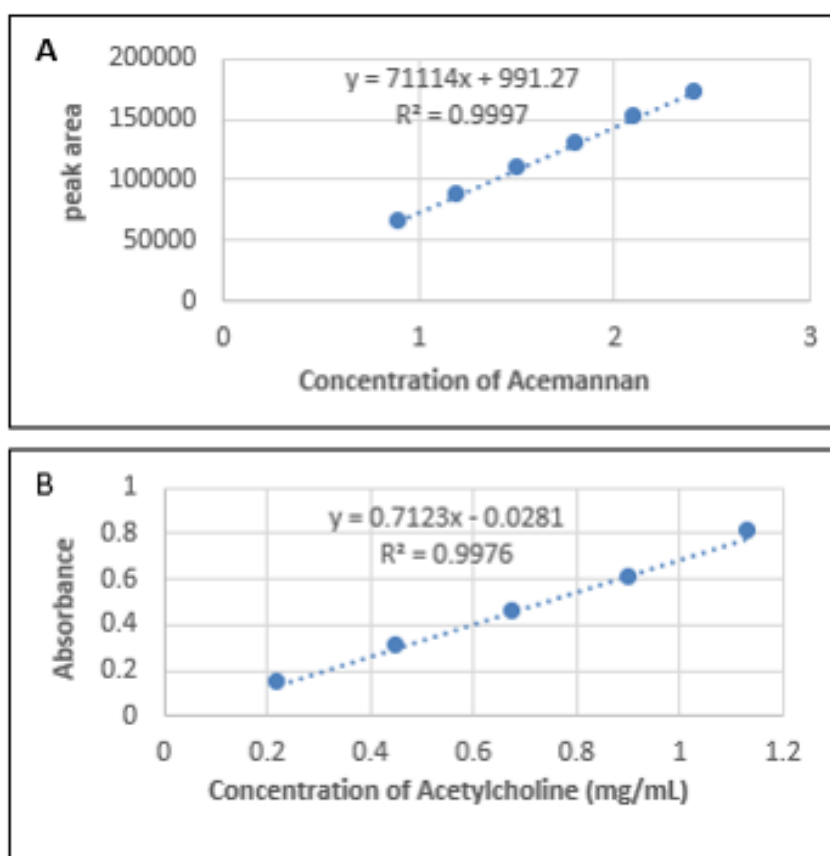


Figure S2. The calibration curves of standard acemannan (A) and acetylcholine chloride (B).

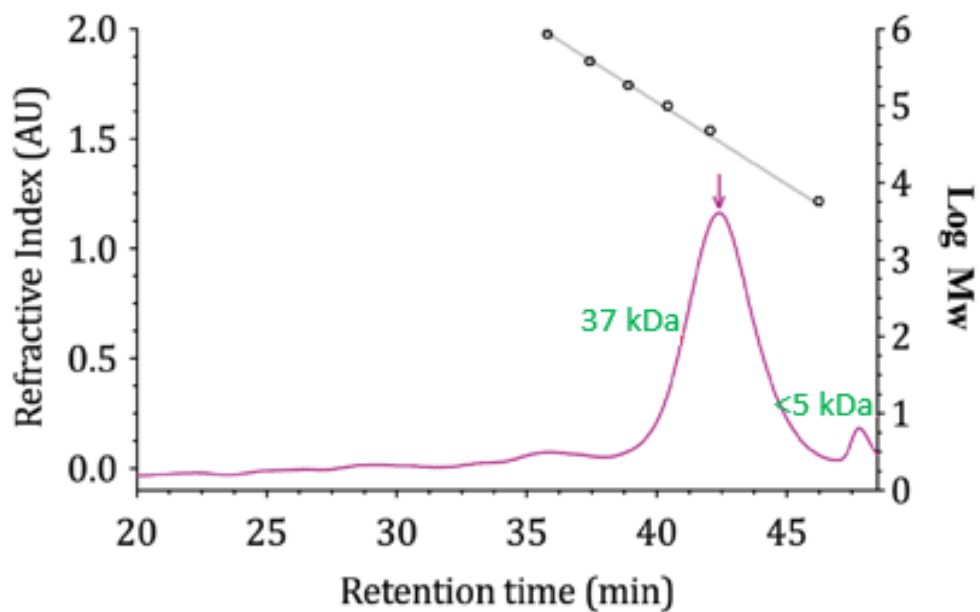


Figure S3. HPSEC-RI chromatogram of I50 with pullulan standard points. The arrow indicates the measured point. I50 showed a main peak at ~42 min with a relative molecular weight of 37 kDa and a second peak outside the trendline at approximately 47 to 48 min. The second peak indicates the presence of other components smaller than 5 kDa (compared with the smallest pullulan standard used).

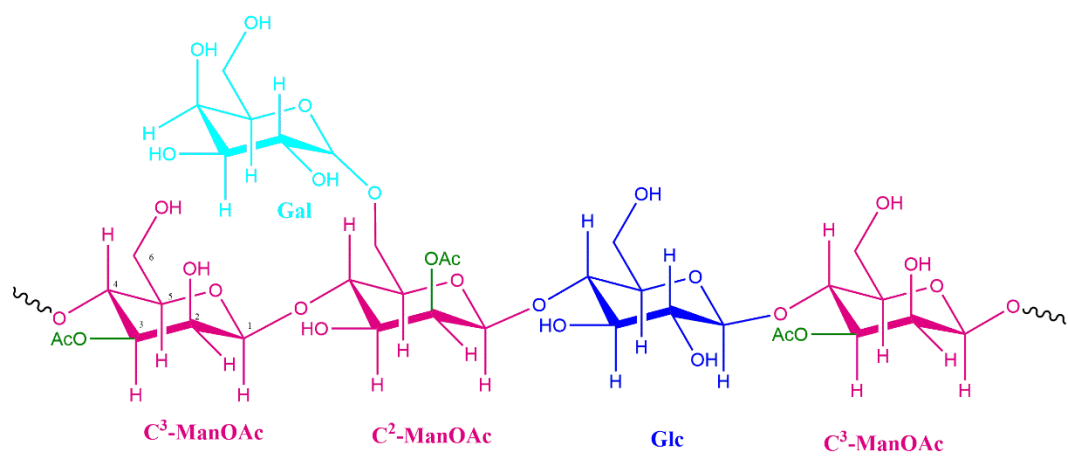


Figure S4. The major plausible structure of I50.

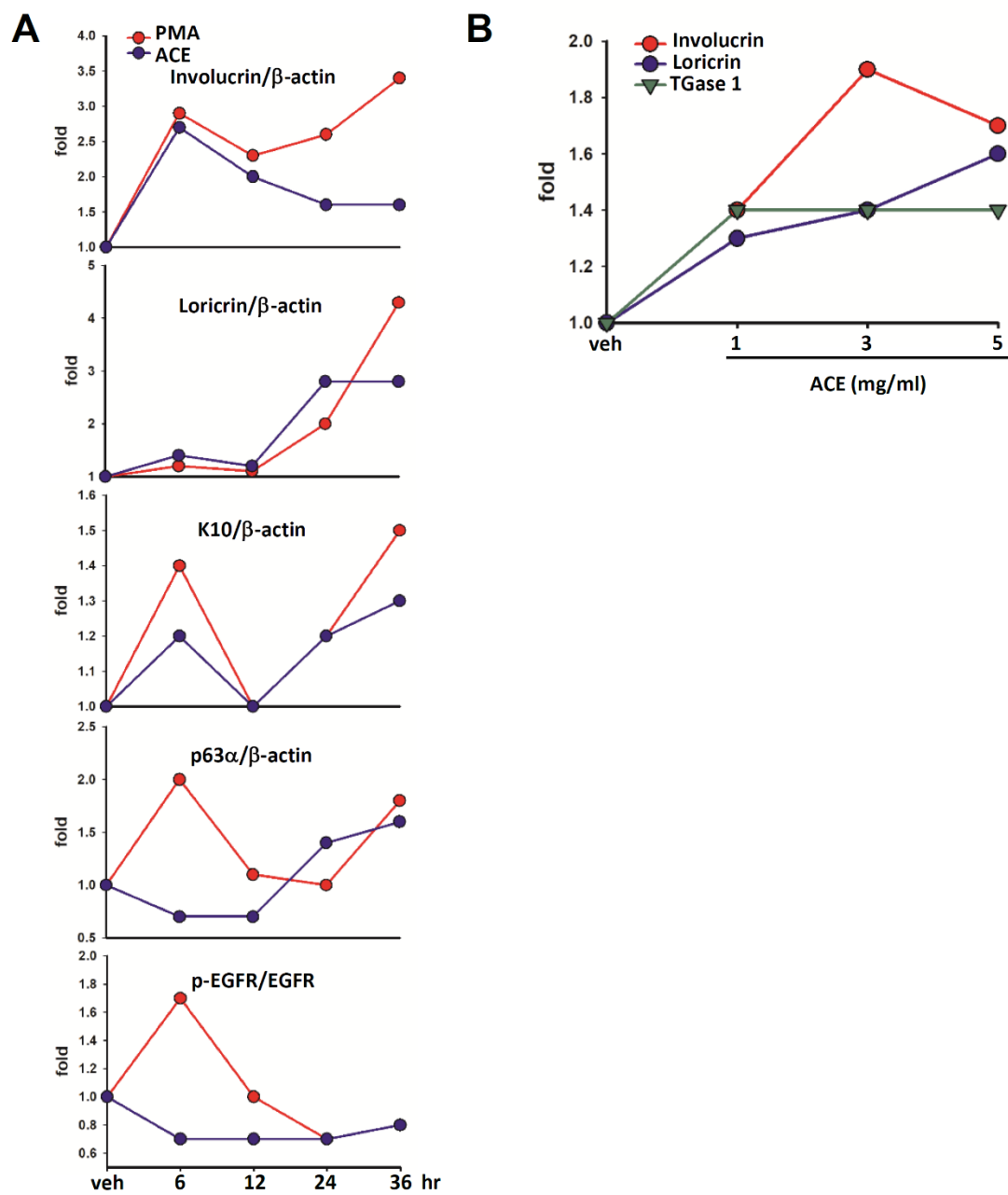


Figure S5. Line charts representing the changes in protein expressions in Figure 4.

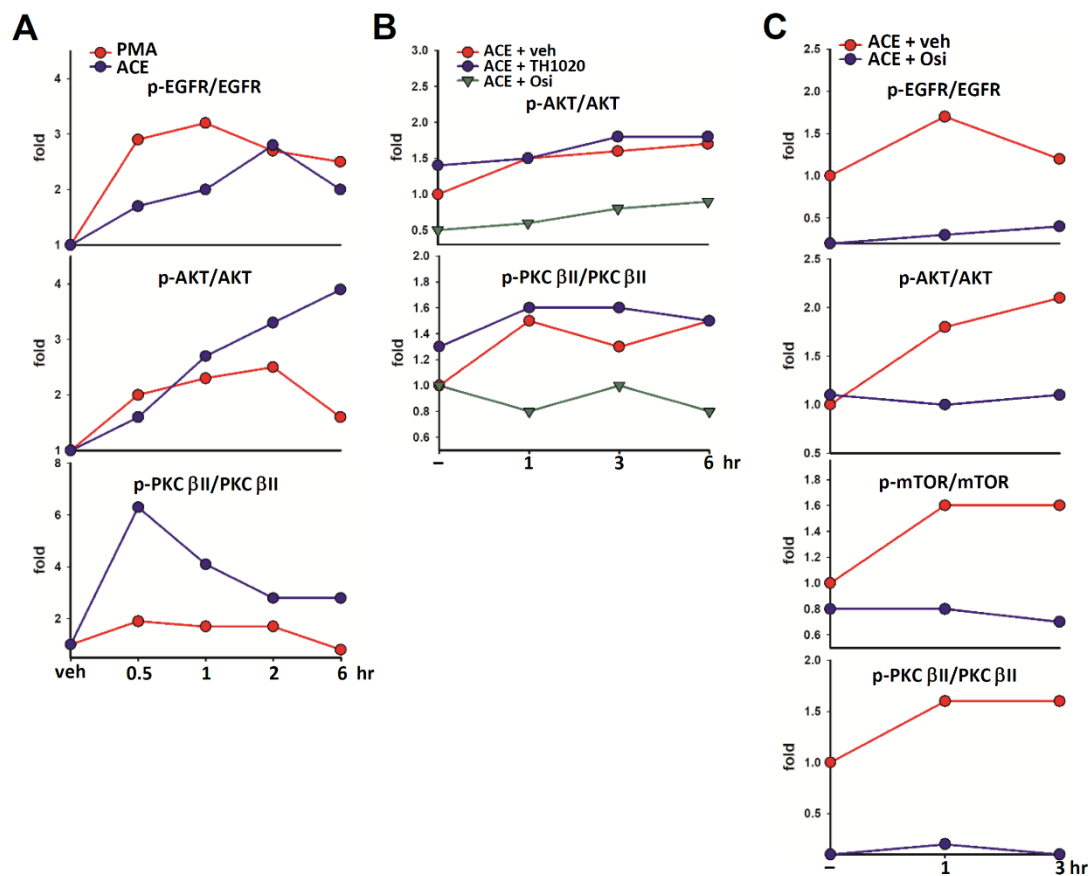


Figure S6. Line charts representing the changes in protein expressions in Figure 5.

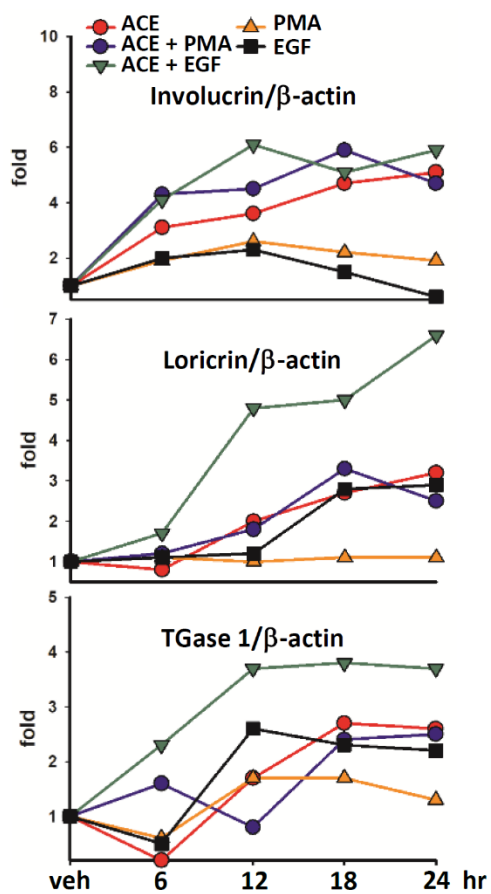
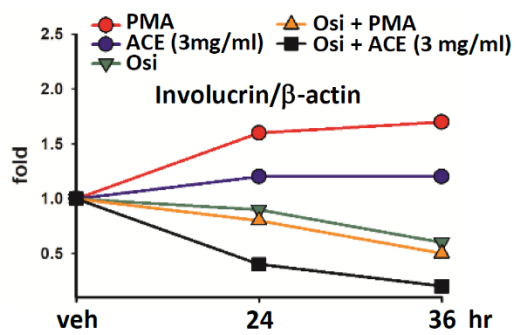
A**B**

Figure S7. Line charts representing the changes in protein expressions in Figure 6.