

Supporting Information

Structural characterization and hepatoprotective activity of an acidic polysaccharide from *Ganoderma lucidum*

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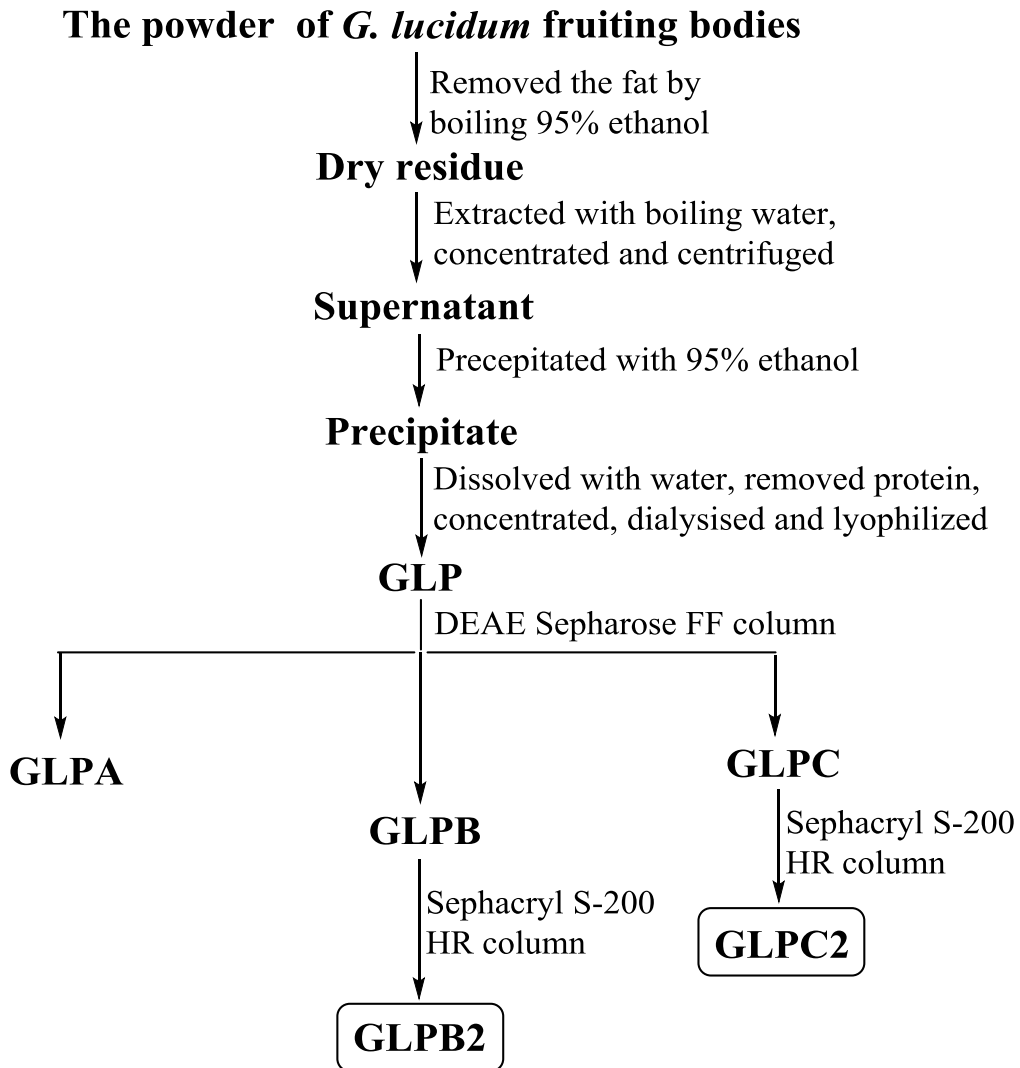


Fig. S1. Flow chart representative of the extraction and purification processes of GLP and GLPB2, GLPC2 from the fruiting body of *G. lucidum*

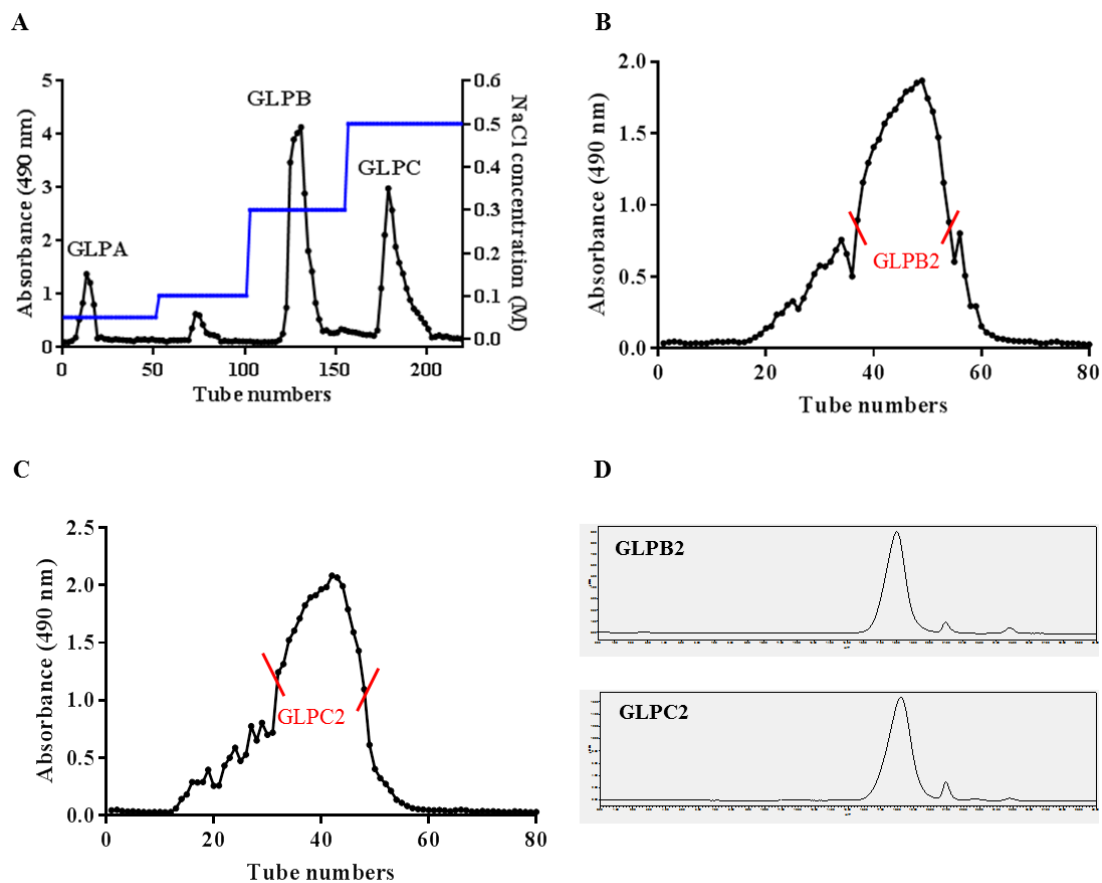


Fig. S2. Stepwise elution profiles of GLPB and GLPC on DEAE-Sepharose FF column from GLP (A); Elution profiles of GLPB2 (B) and GLPC2 (C) on Sephacryl S-200 HR column; HPGPC of GLPB2 and GLPC2 (D).

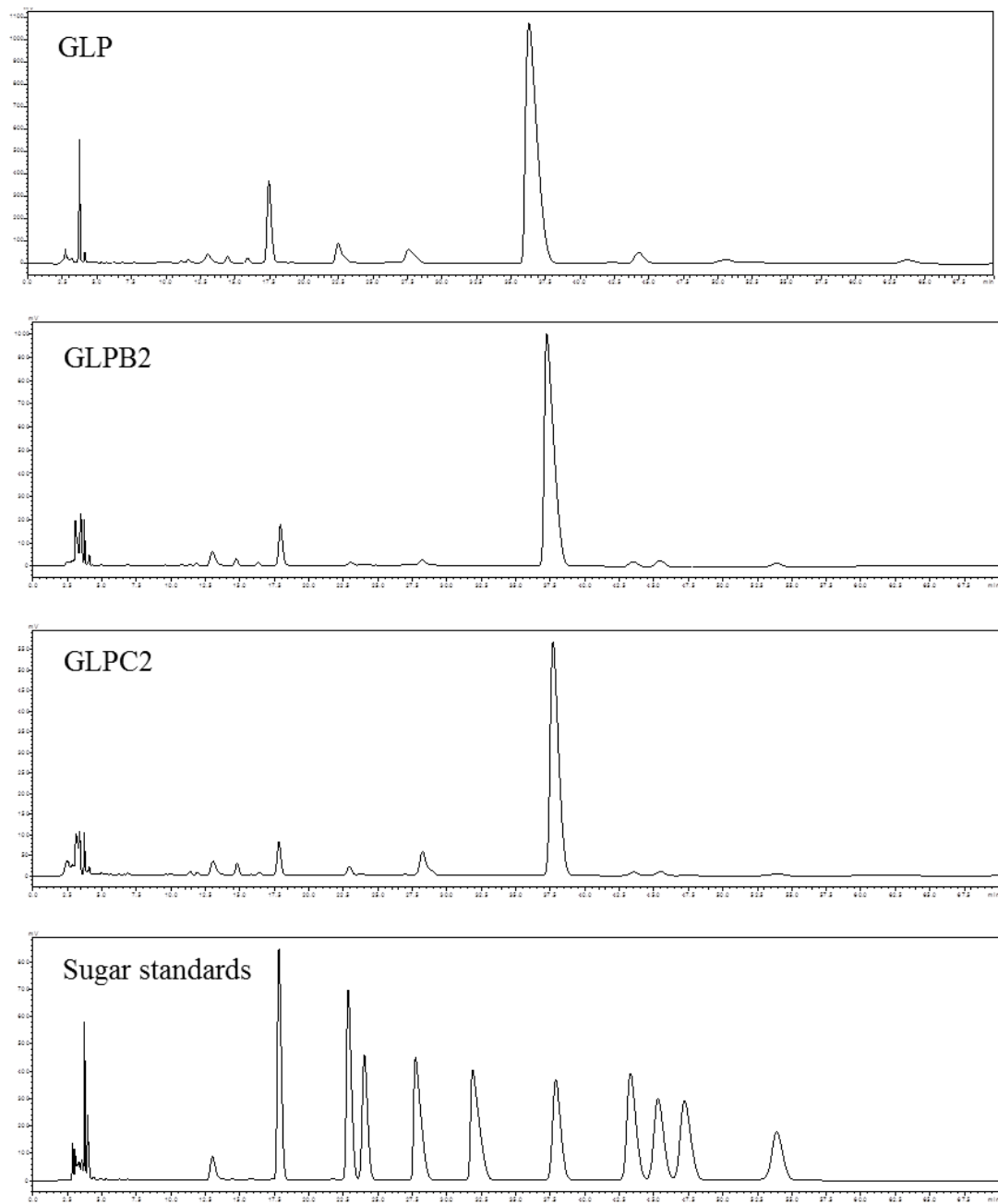


Fig.S3 HPLC profiles of GLPB2, GLPC2 and standard monosaccharides

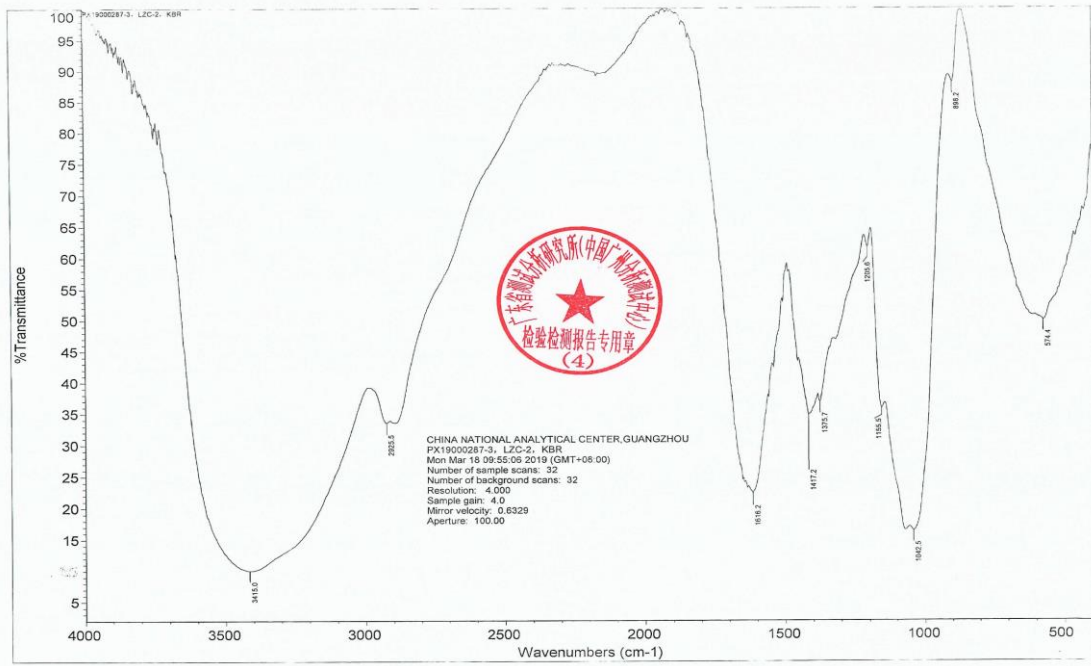


Fig.S4 IR spectrum of GLPC2

Table S1 GC–MS data for methylation analysis of GLPC2 and GLPC2R

Methylated sugar	Linkage types	Molar ratios		Mass Fragments (<i>m/z</i>)
		GLPC2	GLPC2R	
2,3,4,6- <i>O</i> -Me-Glcp	D-Glc-(1→	1	1	59, 71, 87, 101, 129, 145, 173, 205
2,4,6- <i>O</i> -Me-Glcp	→3)-D-Glc-(1→	2	2	71, 87, 99, 101, 117, 129, 131, 159, 161, 189, 233
2,3,6- <i>O</i> -Me-Glcp	→4)-D-Glc-(1→	3	4	59, 71, 87, 99, 117, 129, 131, 159, 161, 189, 233
2,3,4- <i>O</i> -Me-Glcp	→6)-D-Glc-(1→	2	2	59, 71, 87, 99, 101, 117, 129, 161, 189, 233
2,4- <i>O</i> -Me-Glcp	→3,6)-D-Glc-(1→	1	1	59, 71, 87, 99, 101, 117, 129, 189, 233