

*Supporting Information*

**Structural elucidation and hypoglycemic effect of an inulin-type fructan  
extracted from *Stevia rebaudiana* roots**

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Wang<sup>\*a,b</sup>

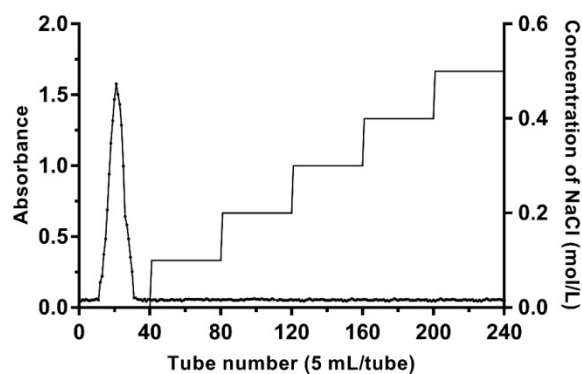
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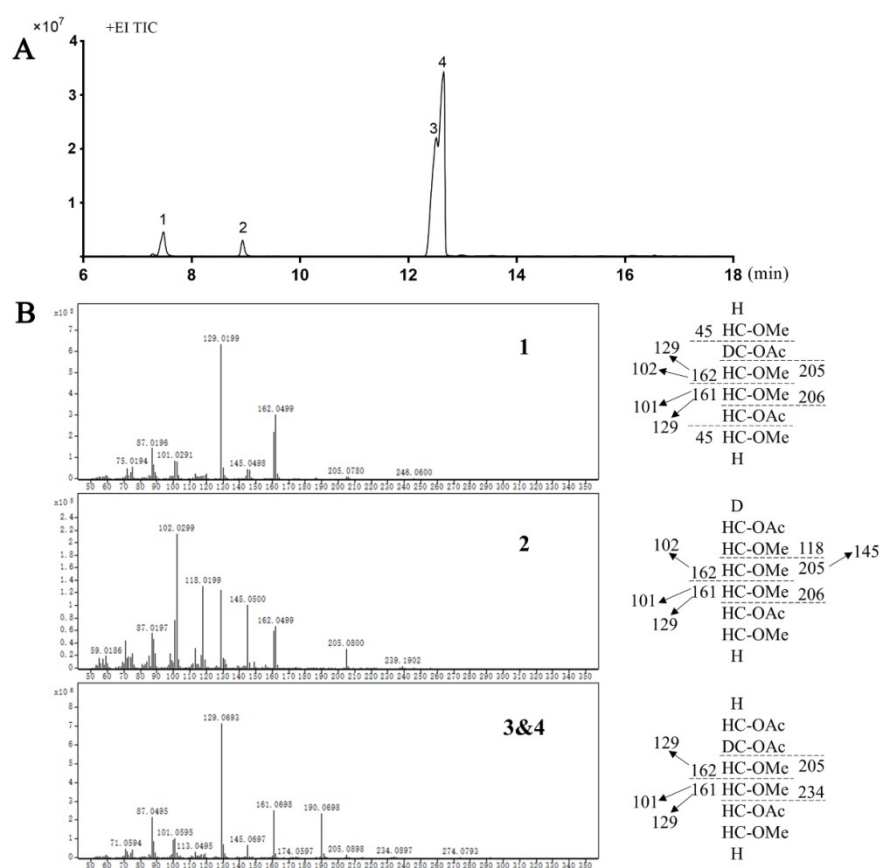
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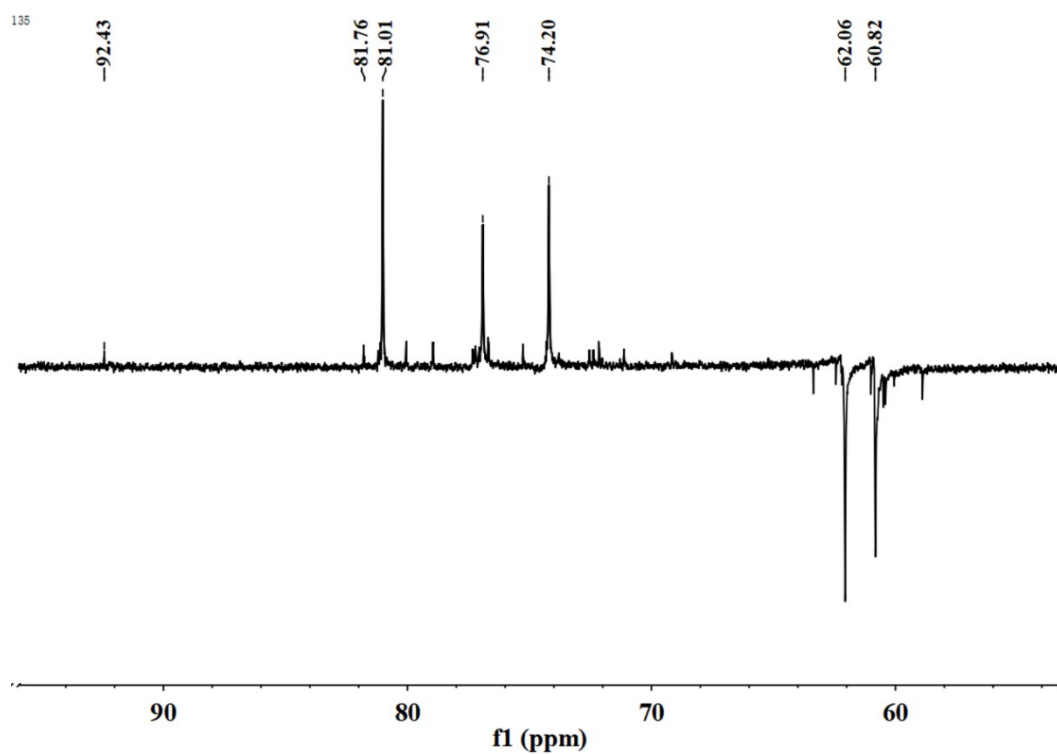
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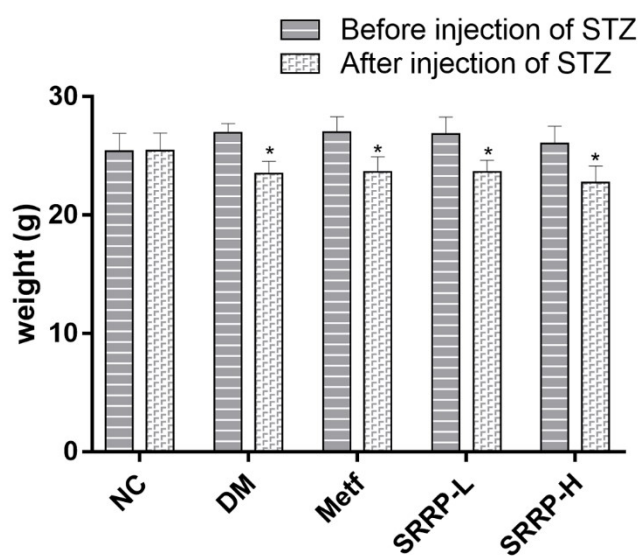
**Fig. S1** Elution profile obtained using the DEAE-Sepharose Fast Flow column.



**Fig. S2** GC-MS profile of partially methylated alditol acetates of SRRP. (A) TIC profile and (B) MS fragments and deduced residues. Peaks: 1, 2,5-di-*O*-acetyl-(2-deuterio)-1,3,4,6-tetra-*O*-methyl hexitols (mannitol, glucitol); 2, 1,5-di-*O*-acetyl-(1-deuterio)-2,3,4,6-tetra-*O*-methyl glucitol; 3 and 4, 1,2,5-tri-*O*-acetyl-(2-deuterio)-3,4,6-tri-*O*-methyl hexitols (mannitol, glucitol).

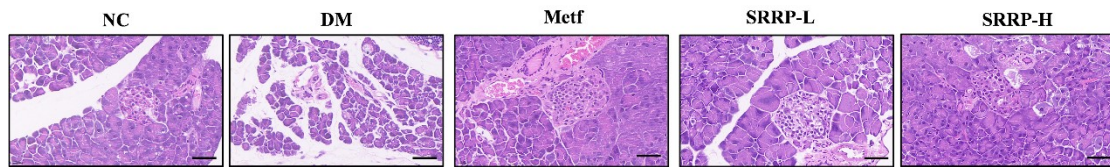


**Fig. S3** DEPT-135 NMR spectrum of SRRP.

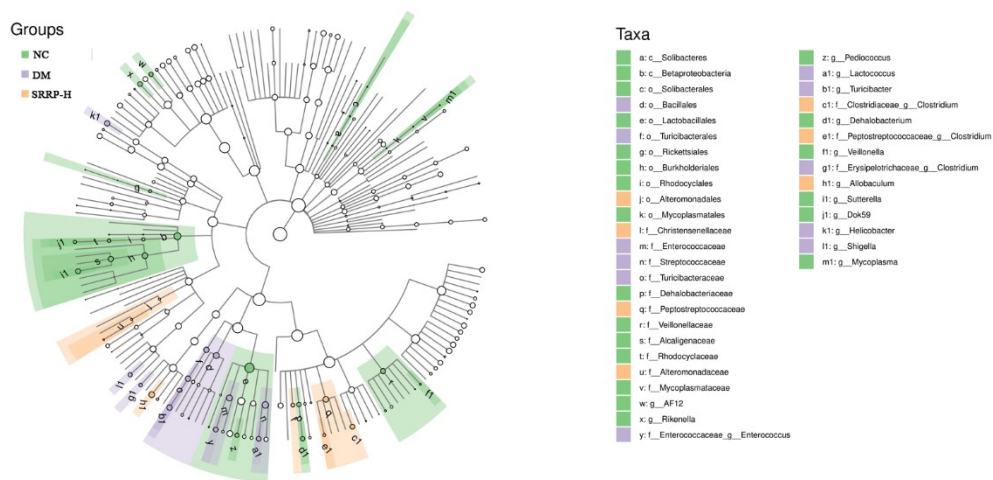


**Fig. S4** Body weight of mice in different groups. Data are expressed as means  $\pm$  SDs.

\*  $P < 0.05$ , comparison before and after STZ injection in each group.



**Fig S5** Histopathological analysis of the pancreas: Pancreatic tissue sections of mice stained with hematoxylin-eosin (image magnification = 400×).



**Fig. S6** Taxonomic cladogram obtained by comparing the three groups using the linear discriminant analysis effect size method.