

Supplementary Information

Anti-diabetic Activity of *Gnidia glauca* and *Dioscorea bulbifera*: Potent Amylase and Glucosidase Inhibitors

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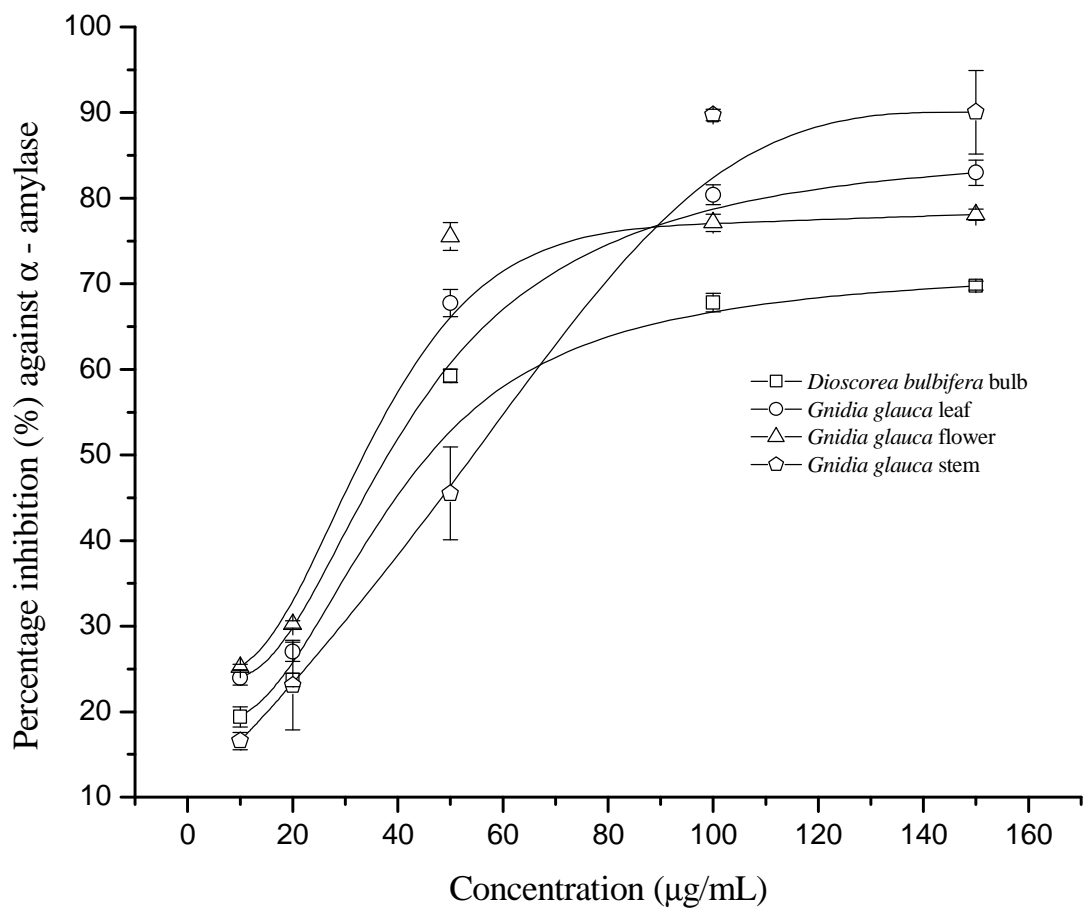


Figure S1. Dose response curve of petroleum ether extracts against porcine pancreatic α -amylase.

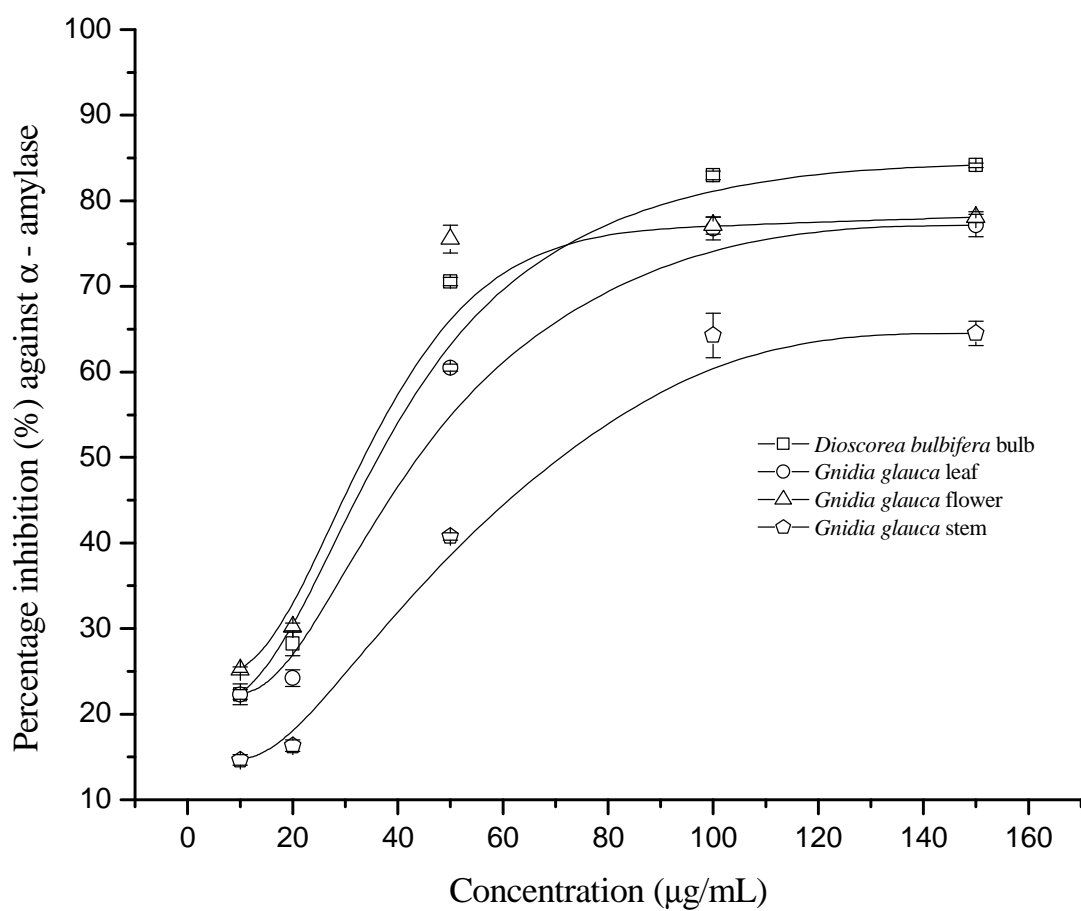


Figure S2. Dose response curve of ethyl acetate extracts against porcine pancreatic α -amylase.

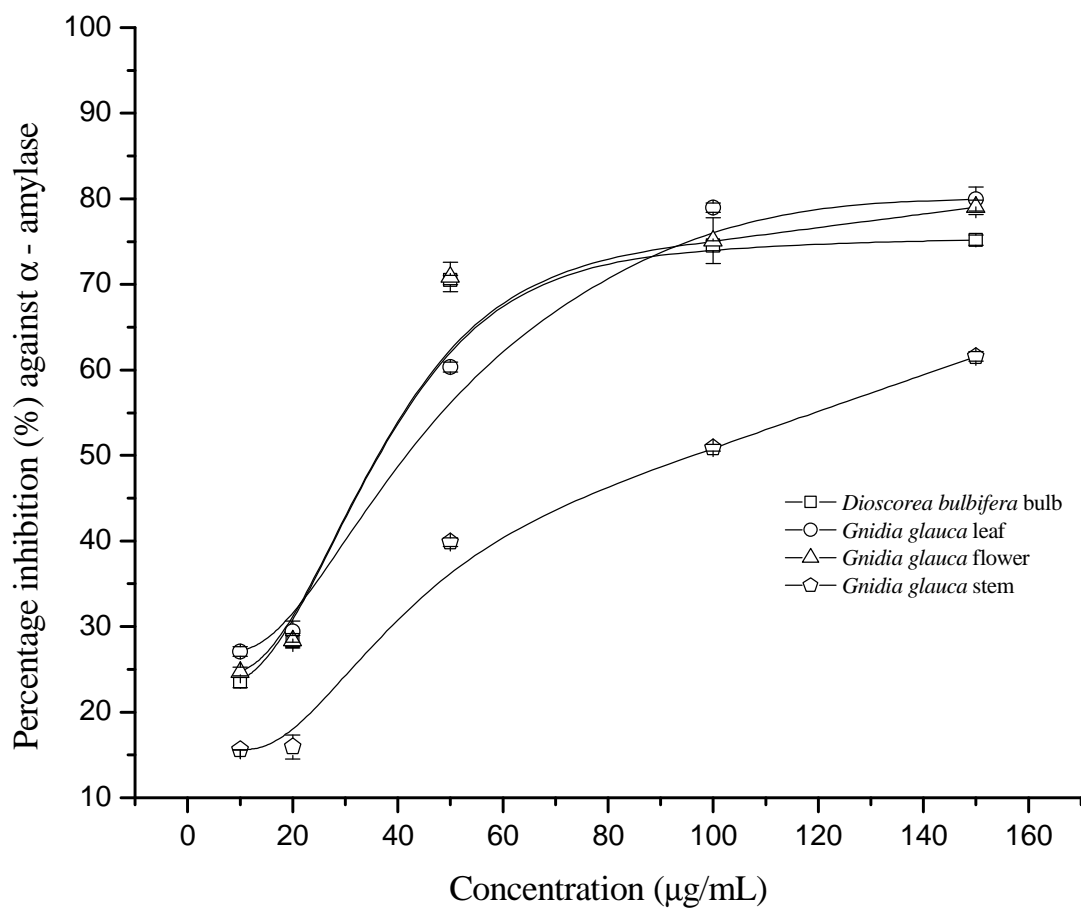


Figure S3. Dose response curve of methanol extracts against porcine pancreatic α -amylase.

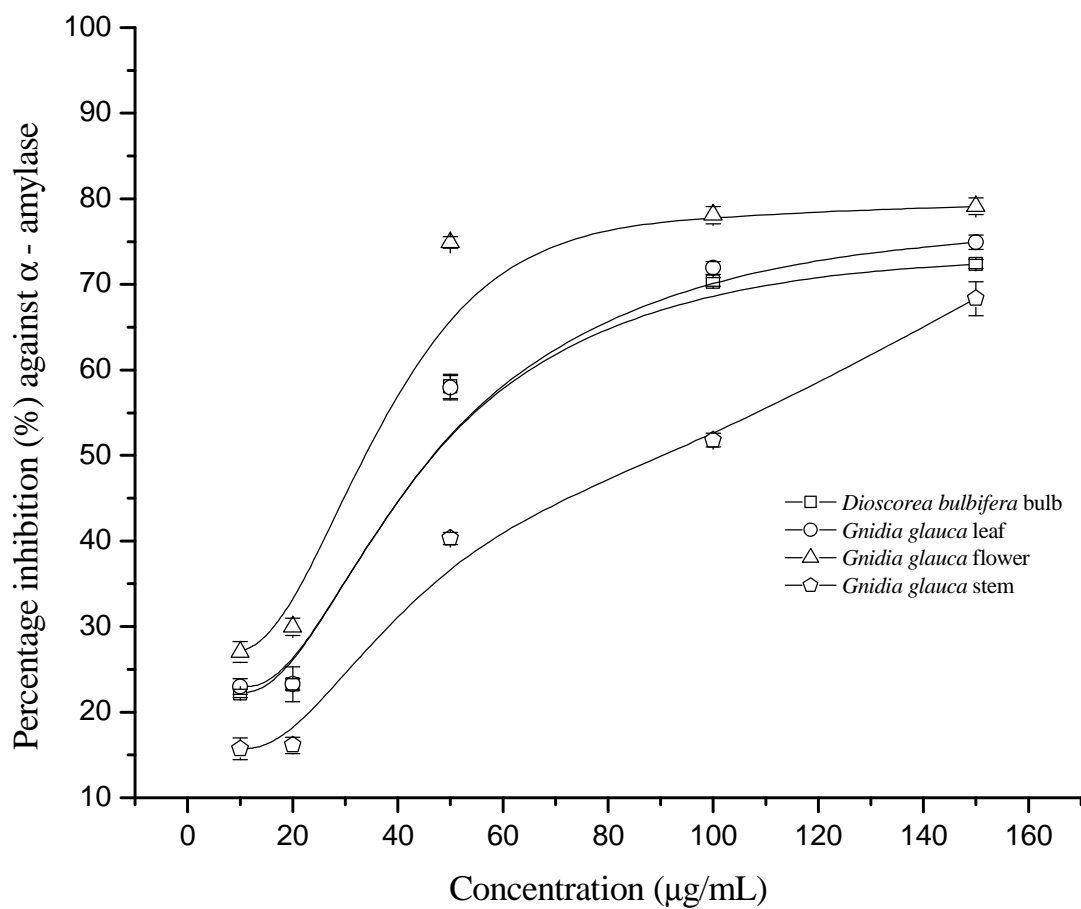


Figure S4. Dose response curve of 70% ethanol extracts against porcine pancreatic α -amylase.

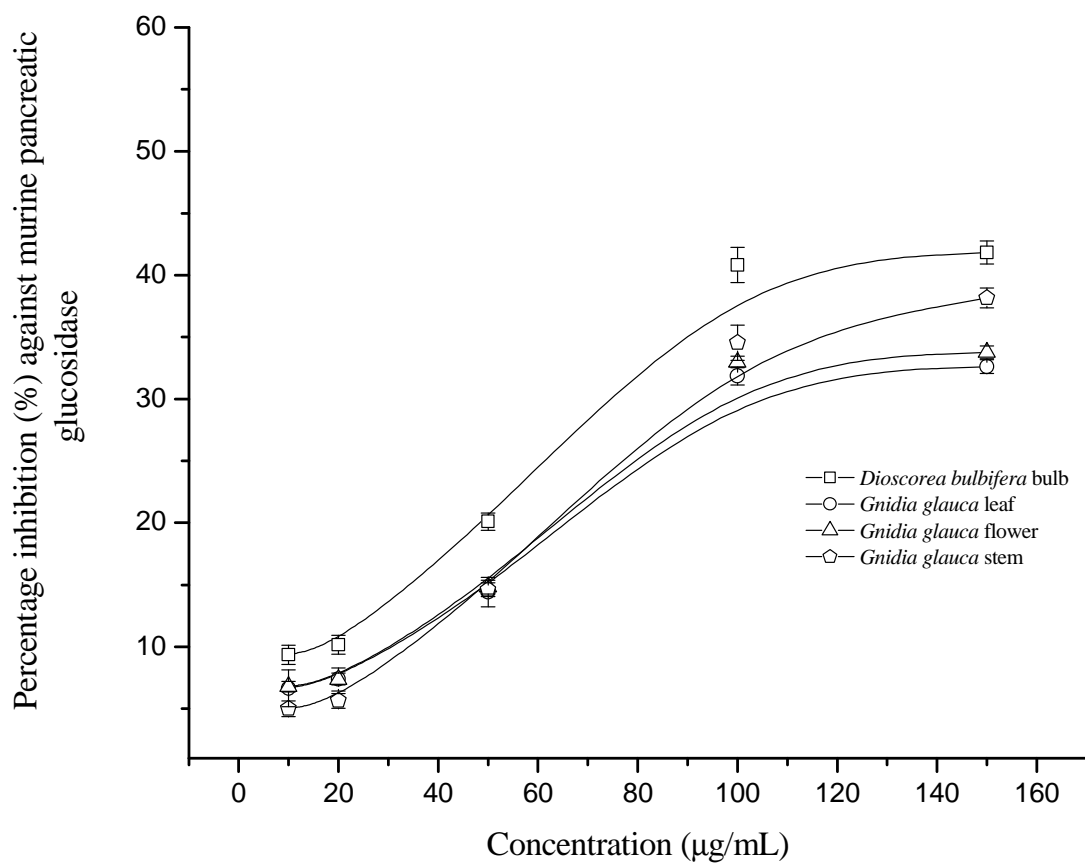


Figure S5. Dose response curve of petroleum ether extracts against murine pancreatic glucosidase.

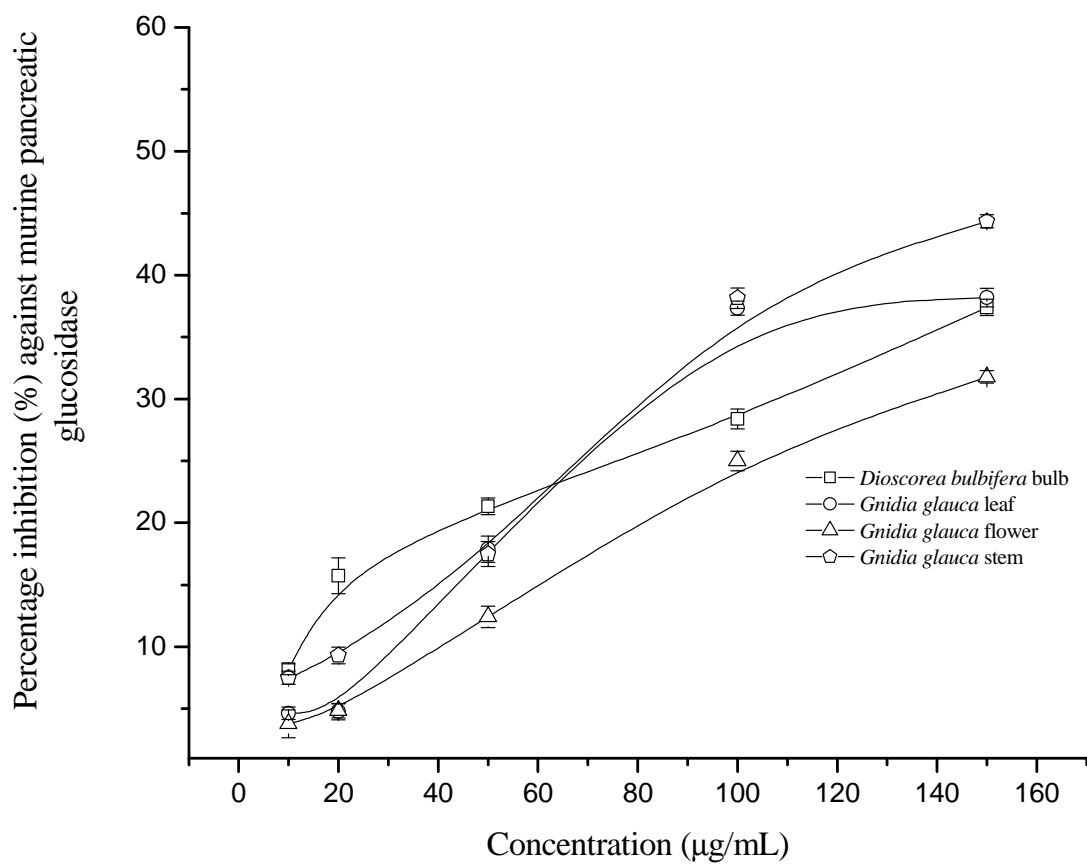


Figure S6. Dose response curve of ethyl acetate extracts against murine pancreatic glucosidase.

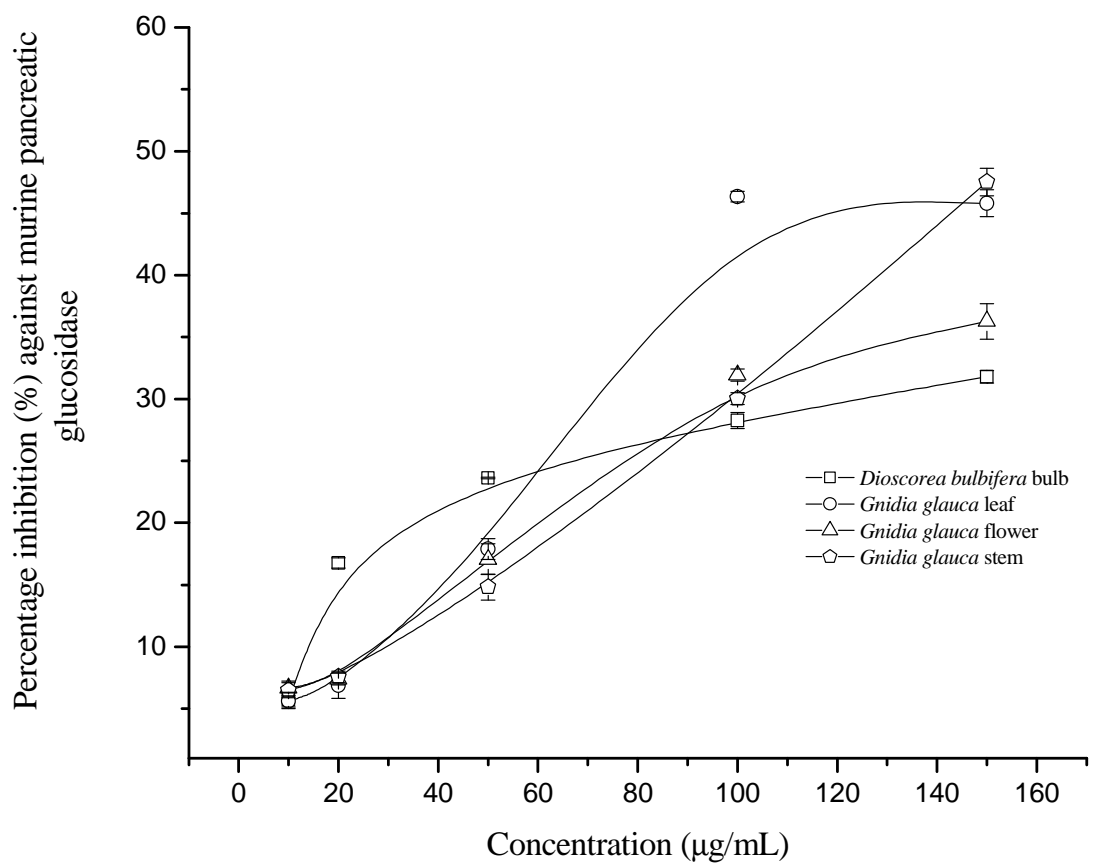


Figure S7. Dose response curve of methanol extracts against murine pancreatic glucosidase.

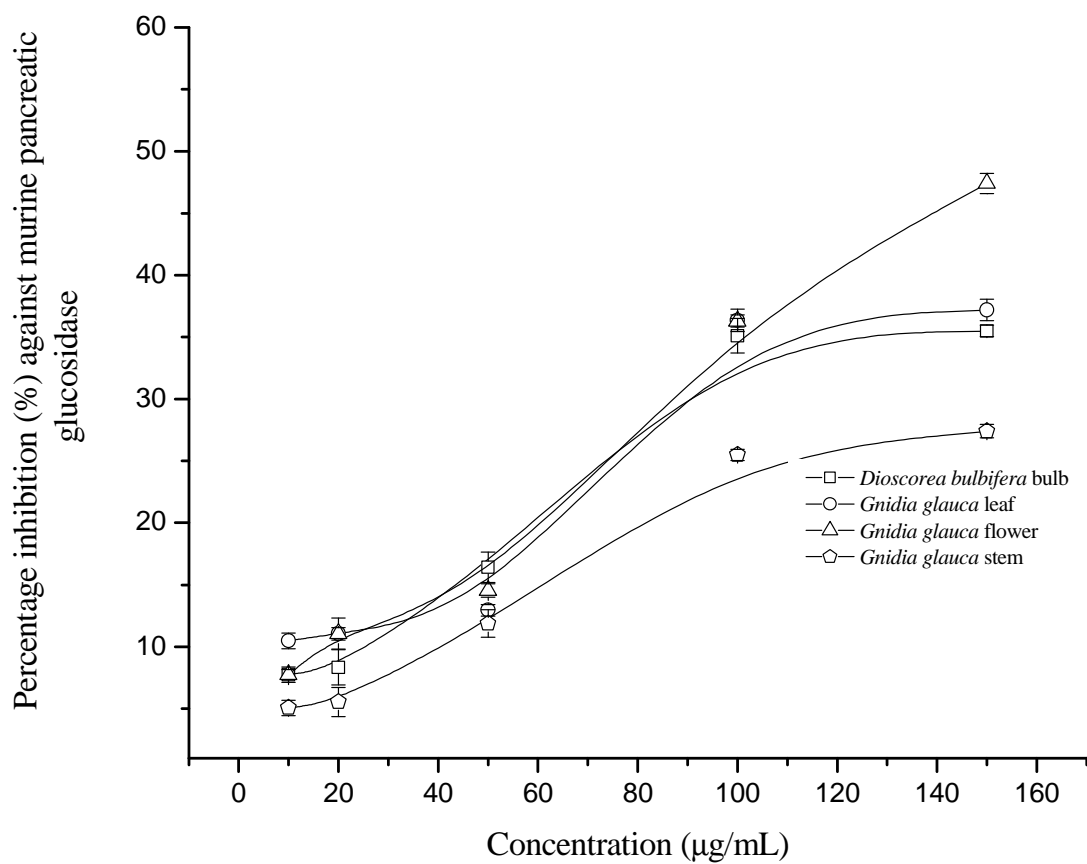


Figure S8. Dose response curve of 70 % ethanol extracts against murine pancreatic glucosidase.

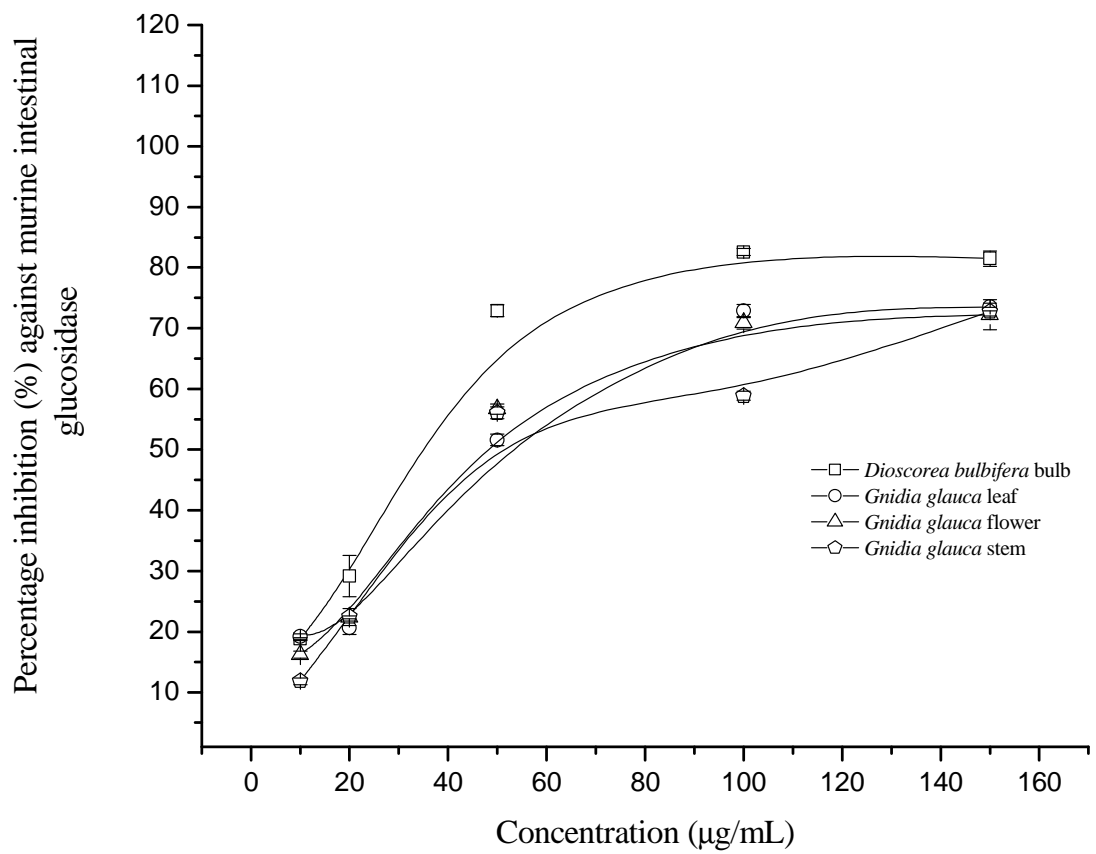


Figure S9. Dose response curve of petroleum ether extracts against murine small intestinal glucosidase.

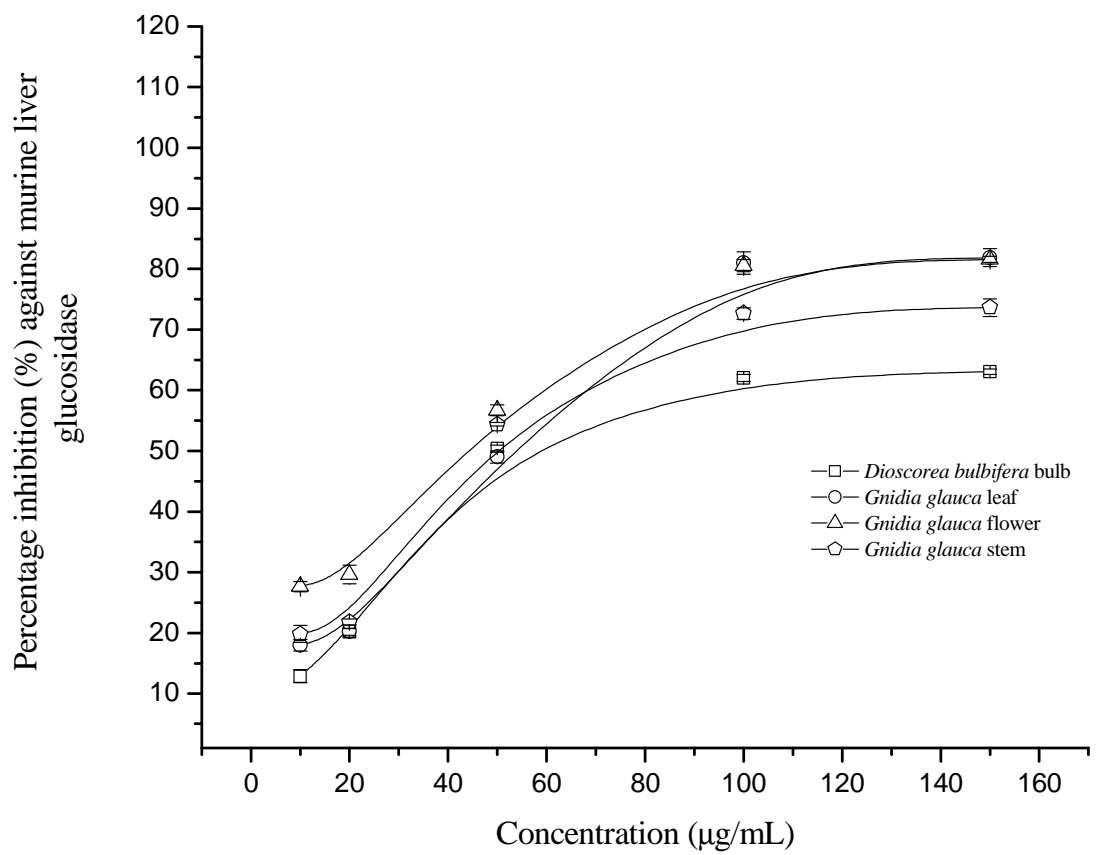


Figure S10. Dose response curve of ethyl acetate extracts against murine small intestinal glucosidase.

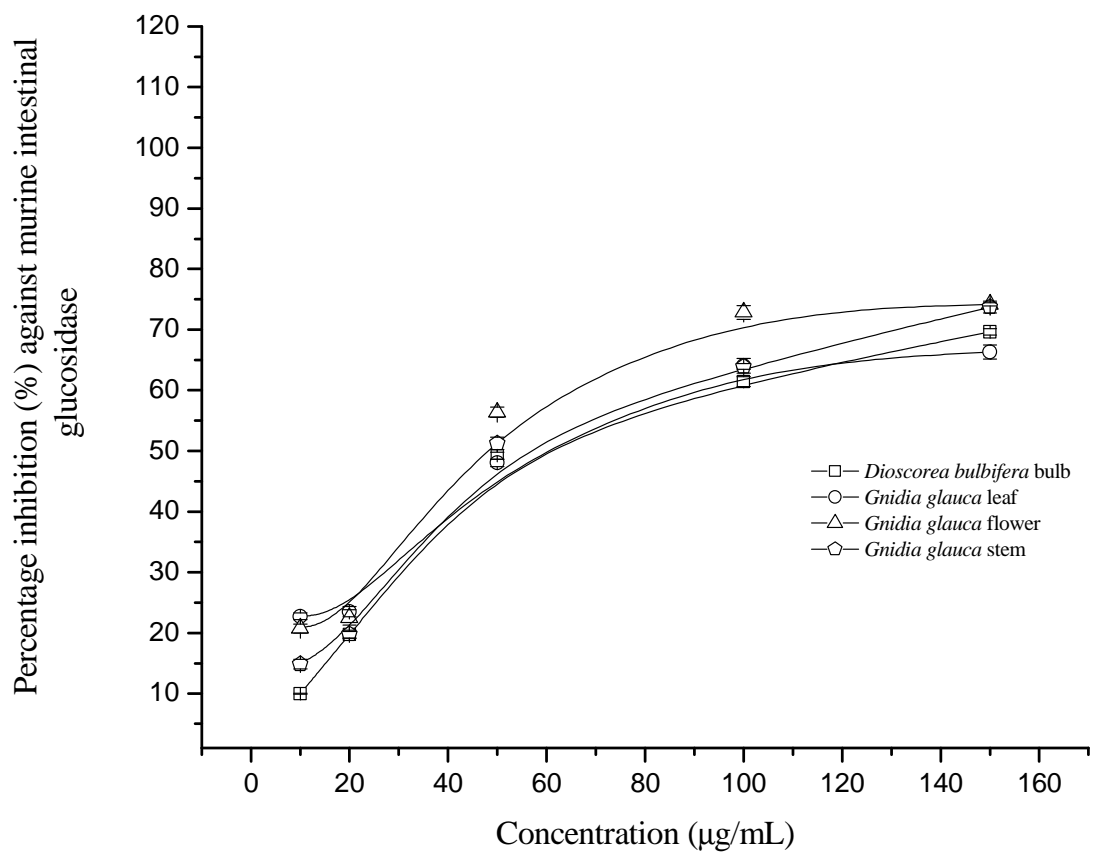


Figure S11. Dose response curve of methanol extracts against murine small intestinal glucosidase.

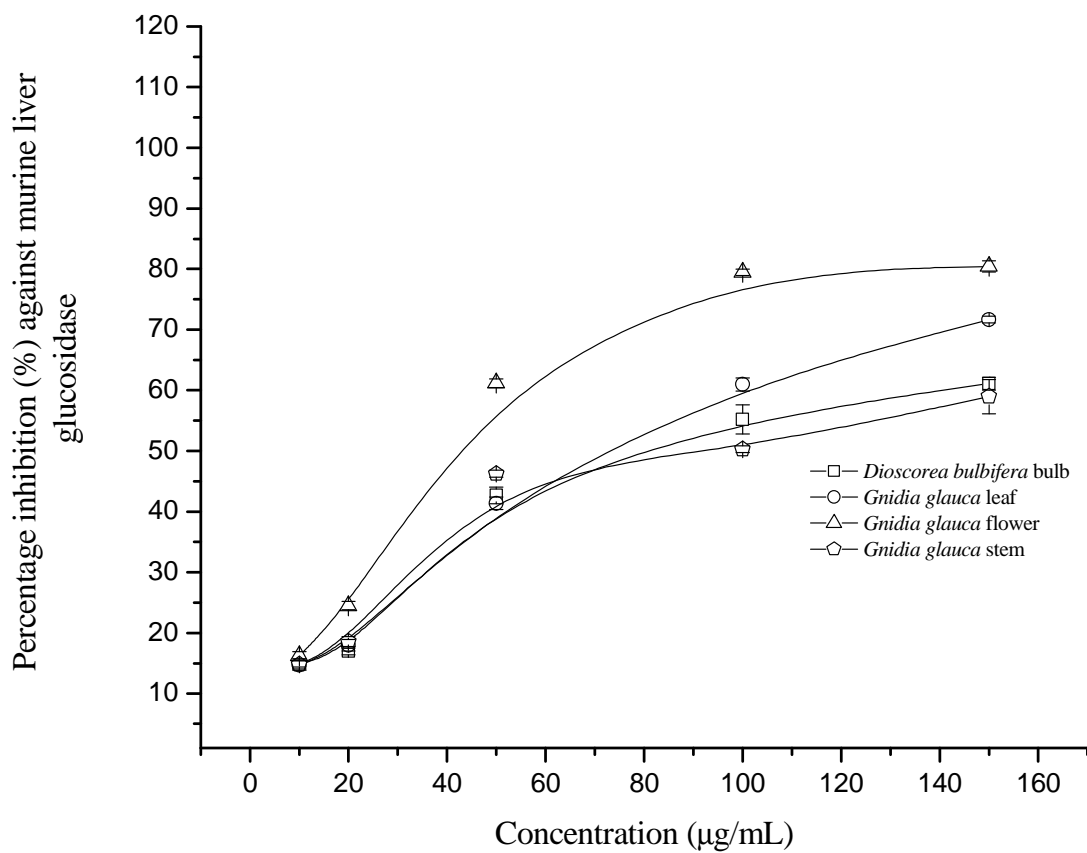


Figure S12. Dose response curve of 70 % ethanol extracts against murine small intestinal glucosidase.

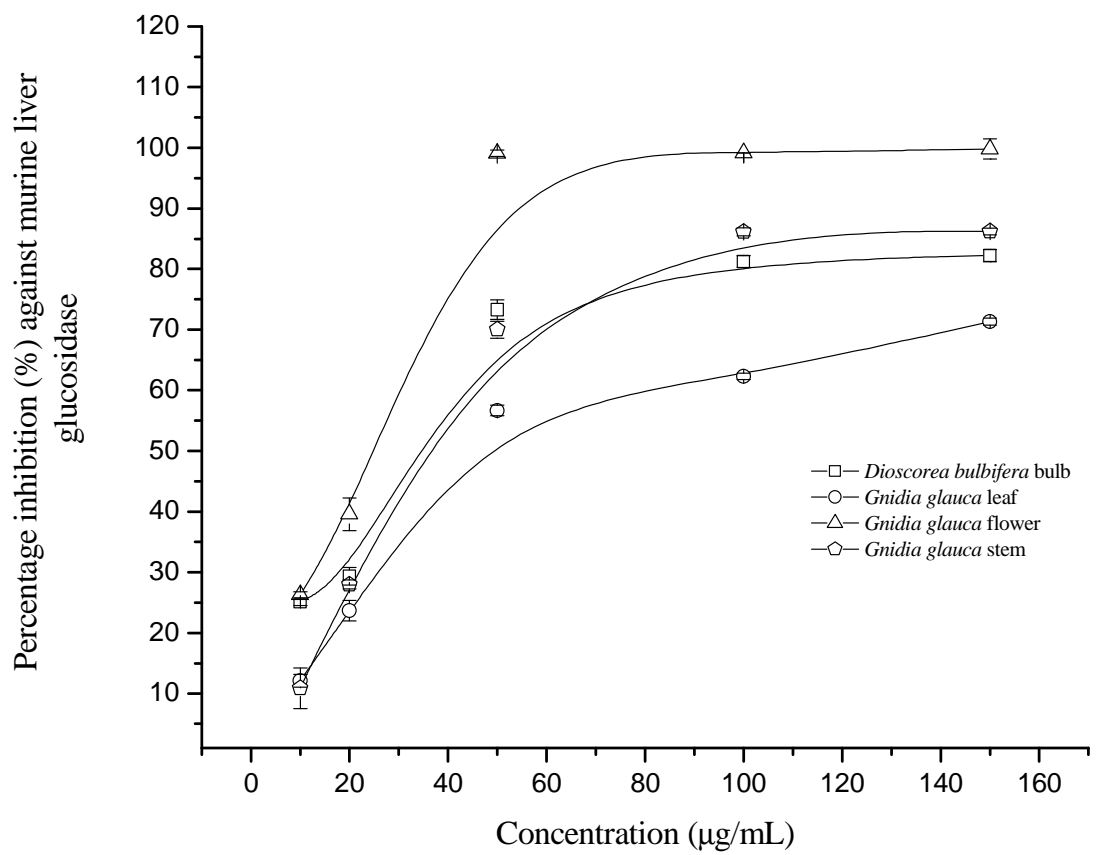


Figure S13. Dose response curve of petroleum ether extracts against murine liver glucosidase.

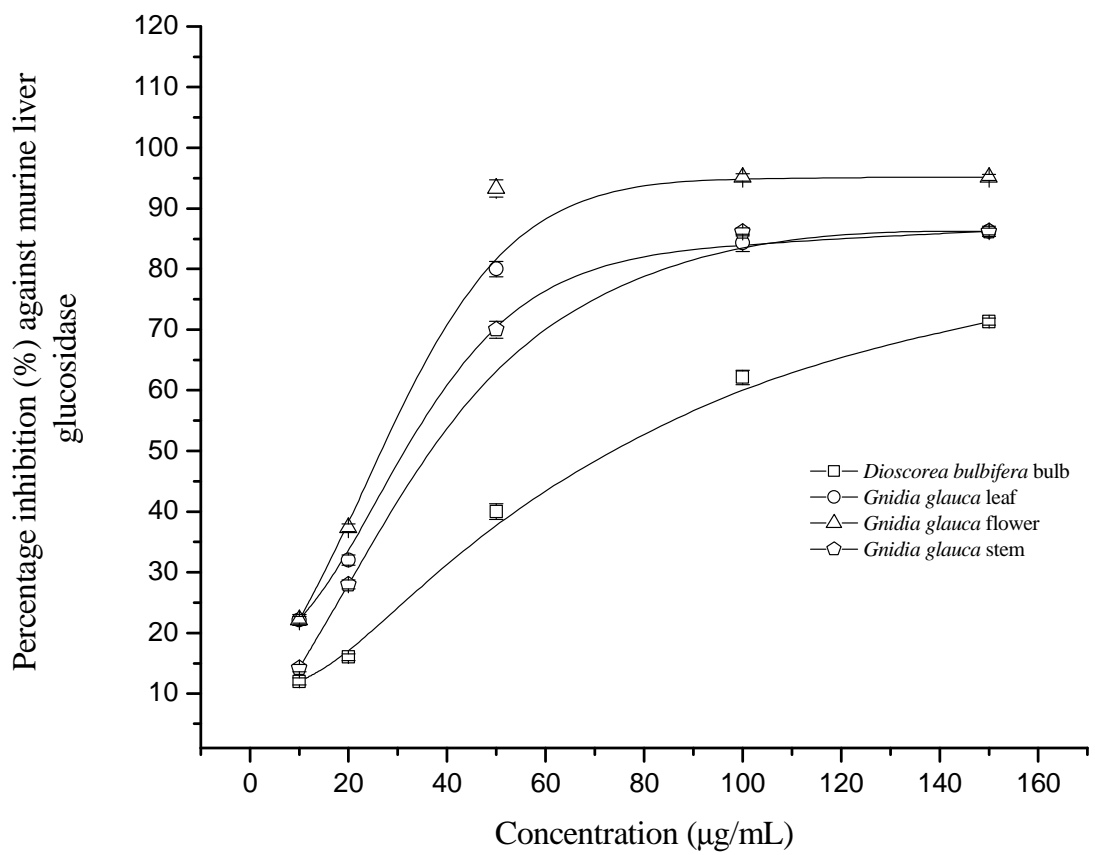


Figure S14. Dose response curve of ethyl acetate extracts against murine liver glucosidase.

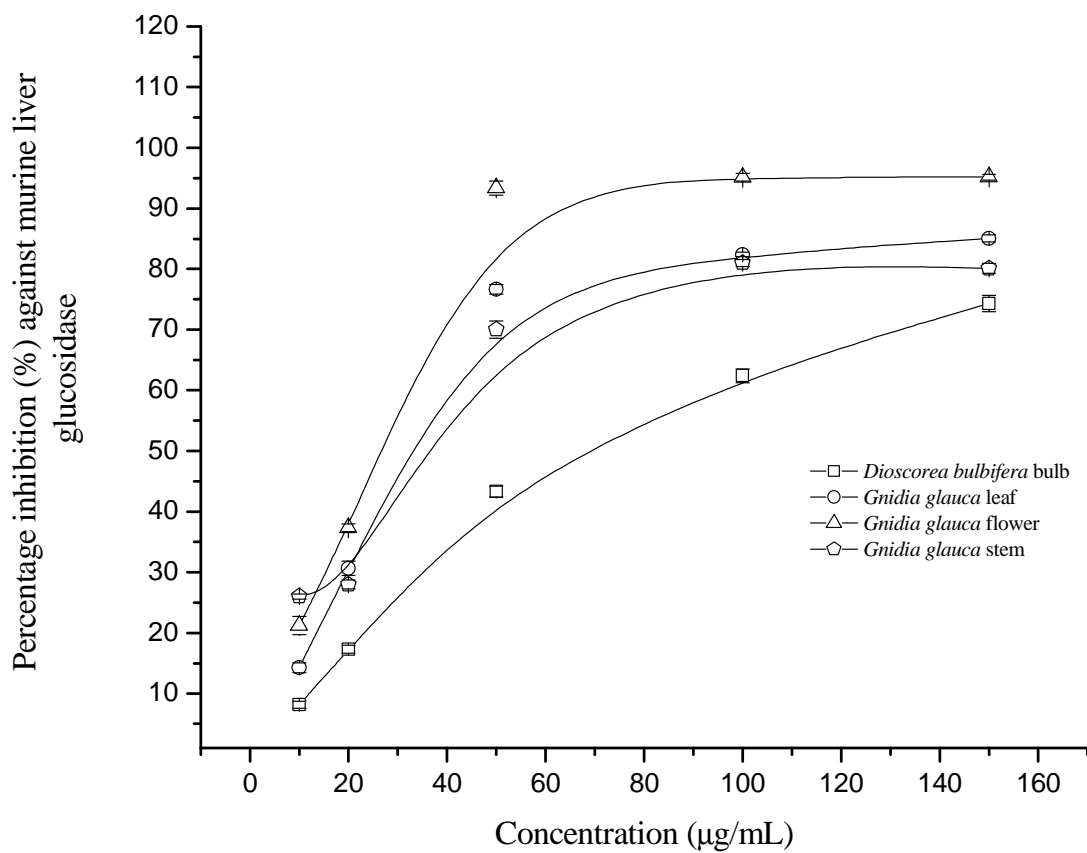


Figure S15. Dose response curve of methanol extracts against murine liver glucosidase.

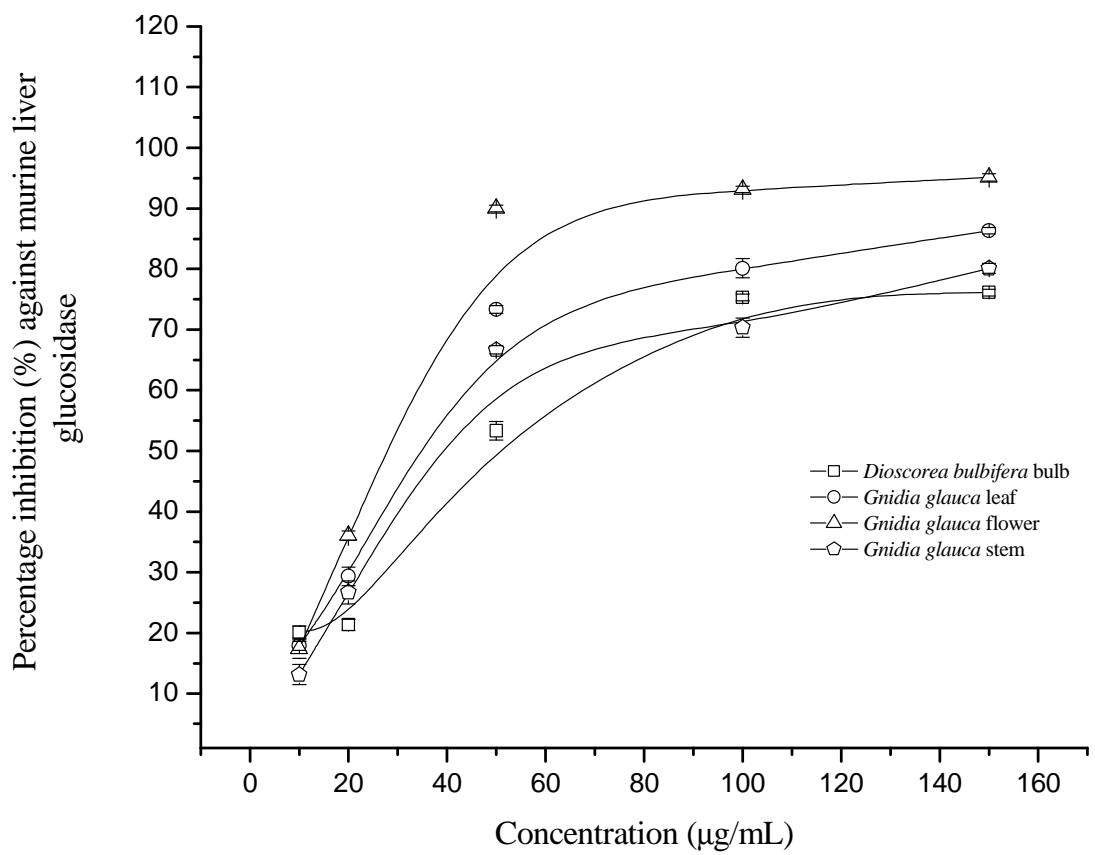


Figure S16. Dose response curve of 70 % ethanol extracts against murine liver glucosidase.

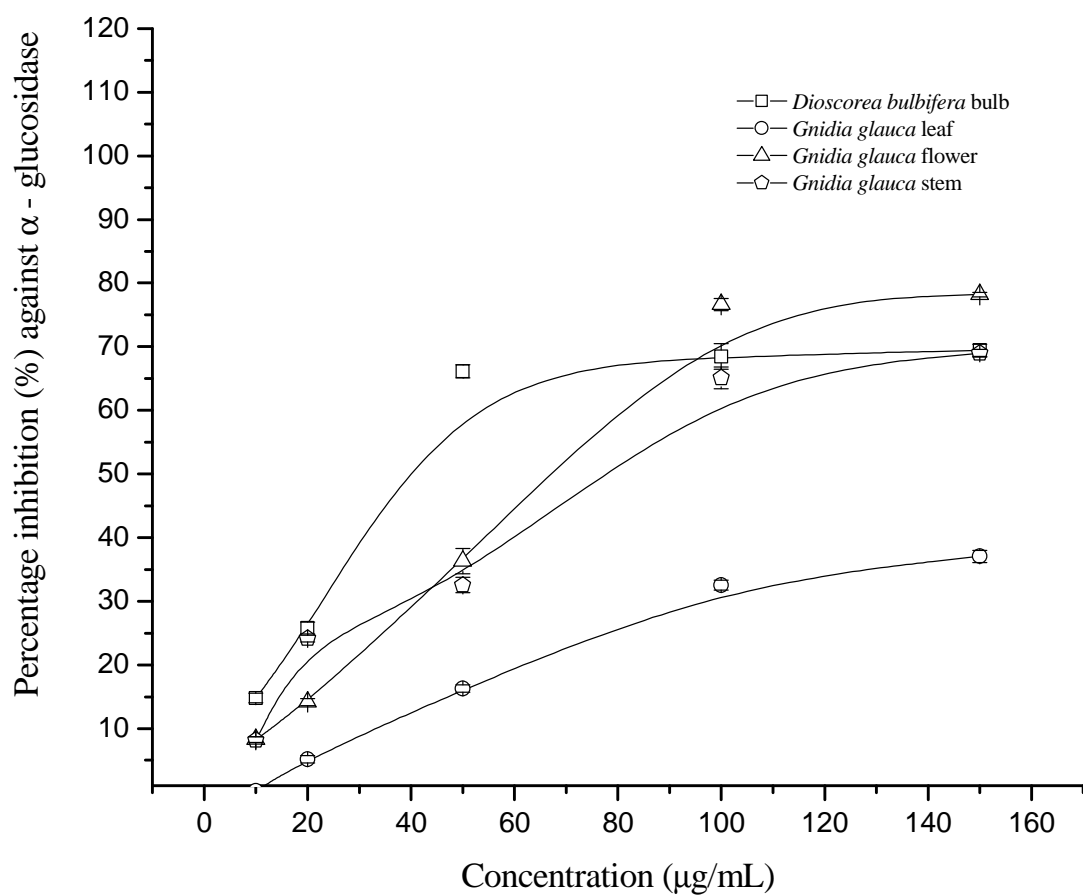


Figure S17. Dose response curve of petroleum ether extracts against α -glucosidase.

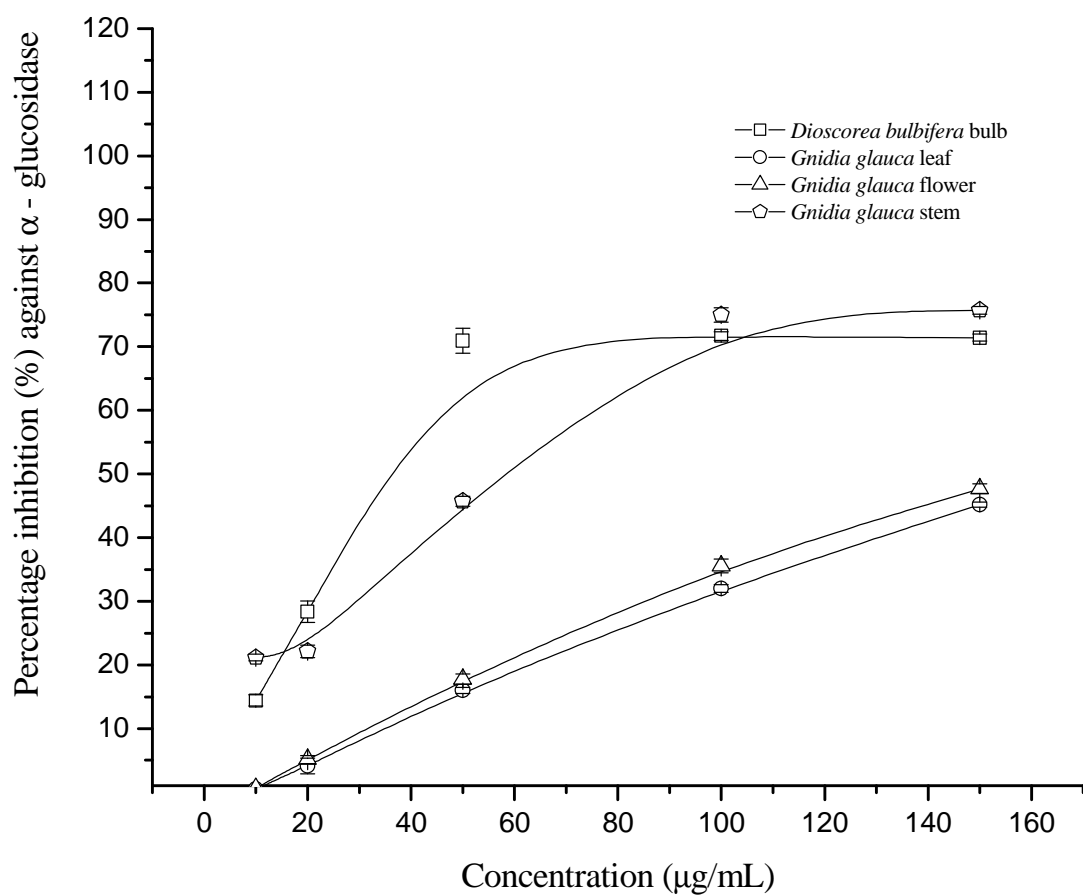


Figure S18. Dose response curve of ethyl acetate extracts against α - glucosidase.

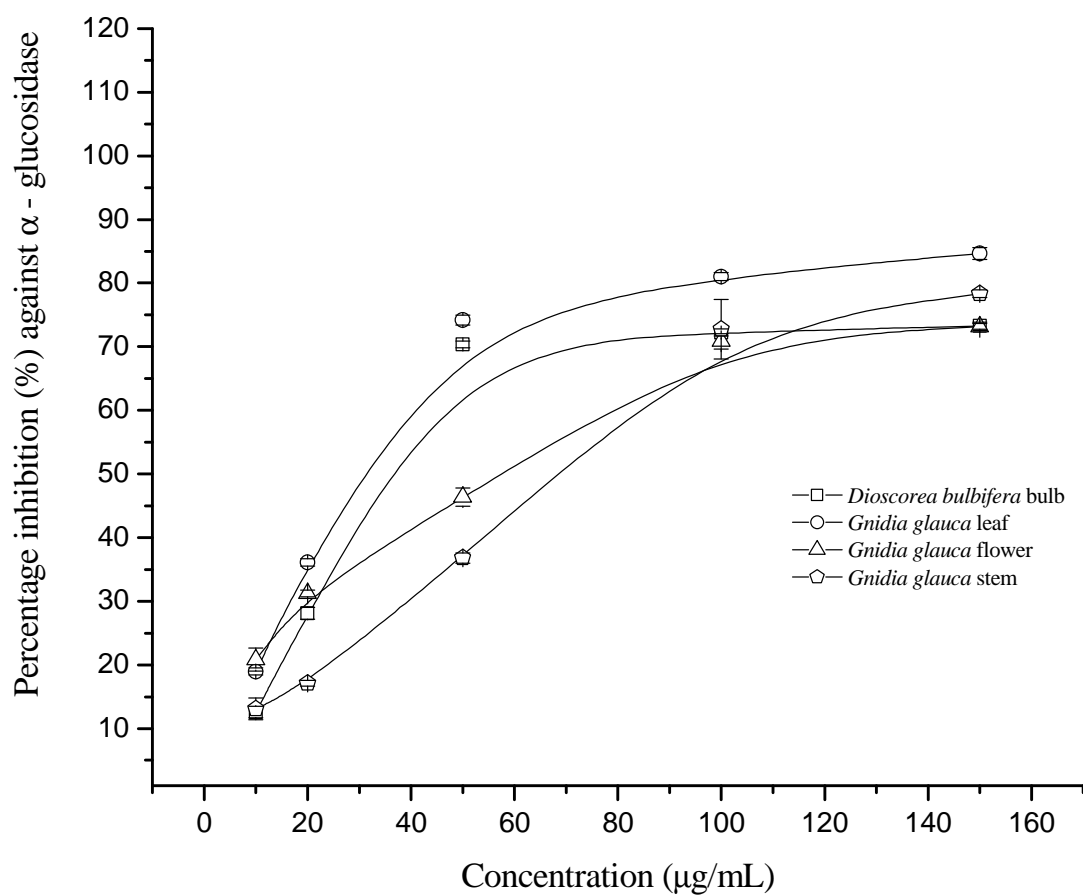


Figure S19. Dose response curve of methanol extracts against α - glucosidase.

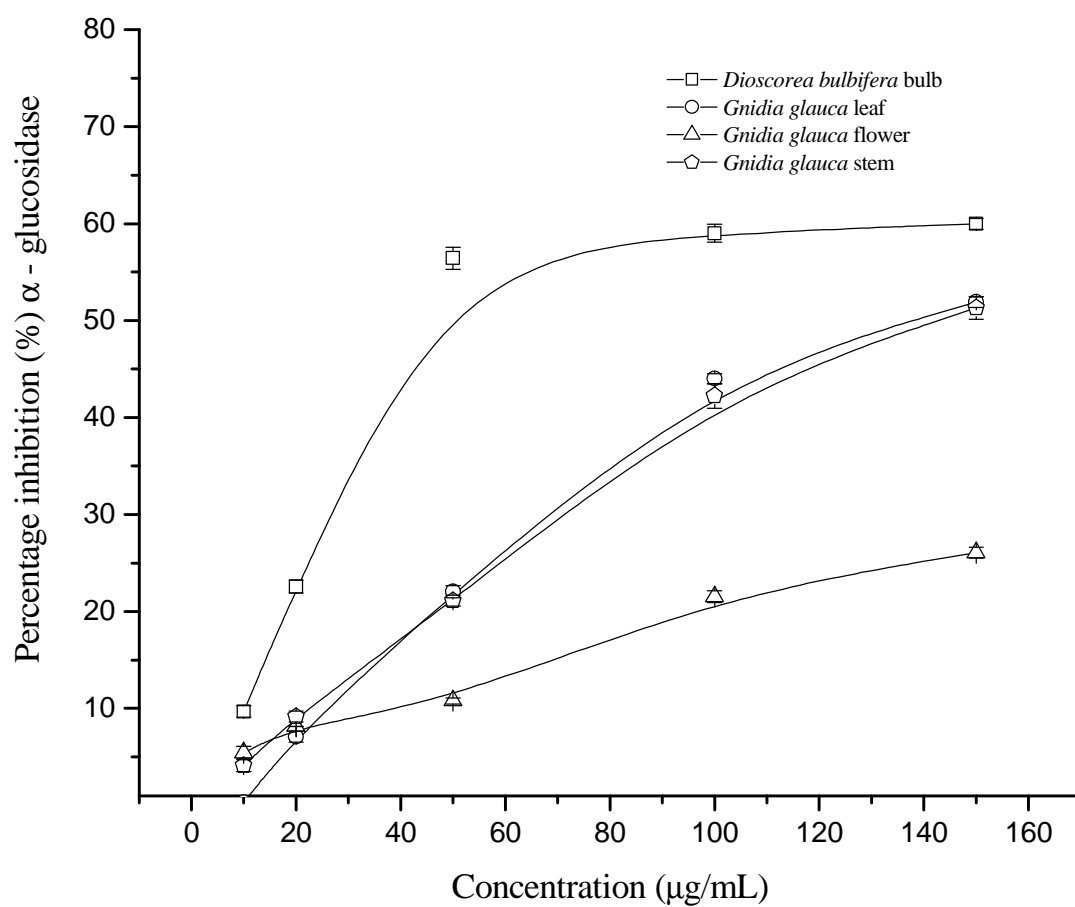


Figure S20. Dose response curve of 70 % ethanol extracts against α - glucosidase.

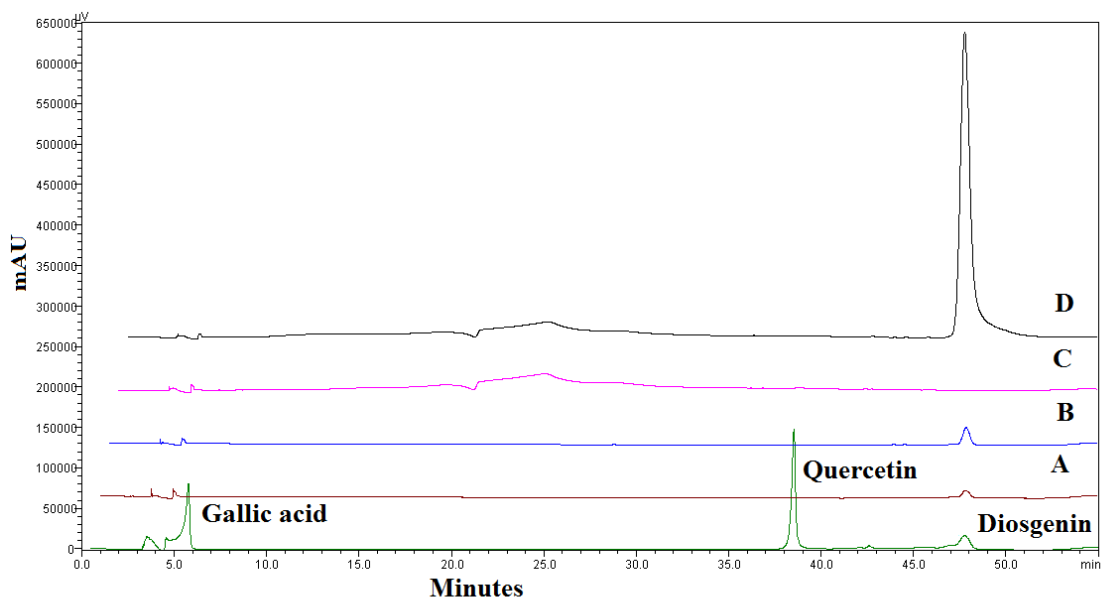


Figure S21. HPLC fingerprint of *D. bulbifera* bulb (A) petroleum ether (B) ethyl acetate (C) methanol (D) 70 % ethanol extract compared with chromatogram of a standard solution containing three marker compounds.

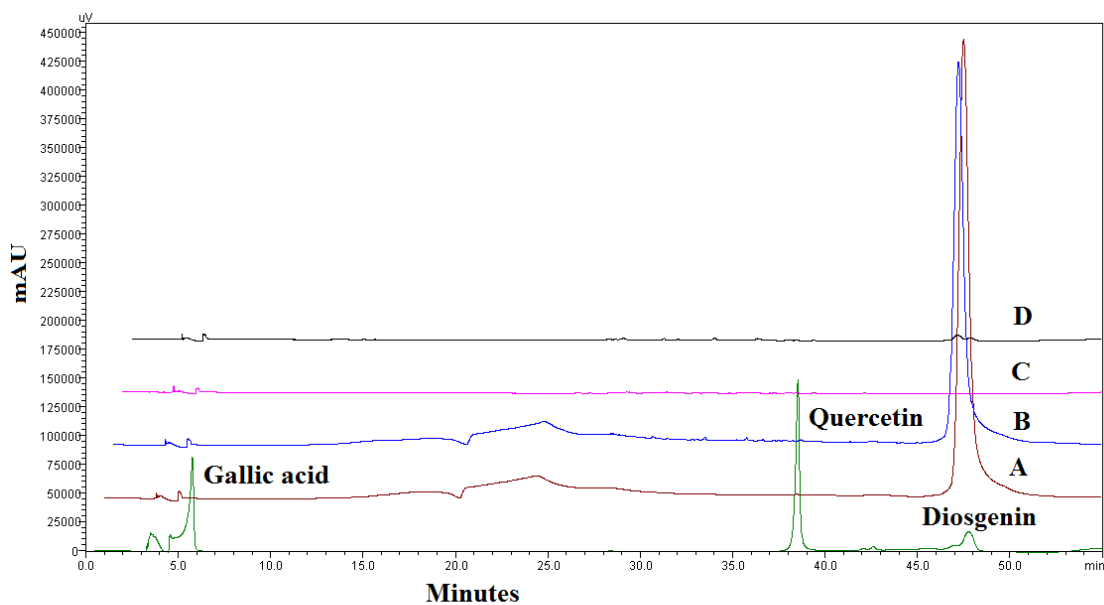


Figure S22. HPLC fingerprint of *G. glauca* leaf (A) petroleum ether (B) ethyl acetate (C) methanol (D) 70 % ethanol extract compared with chromatogram of a standard solution containing three marker compounds.

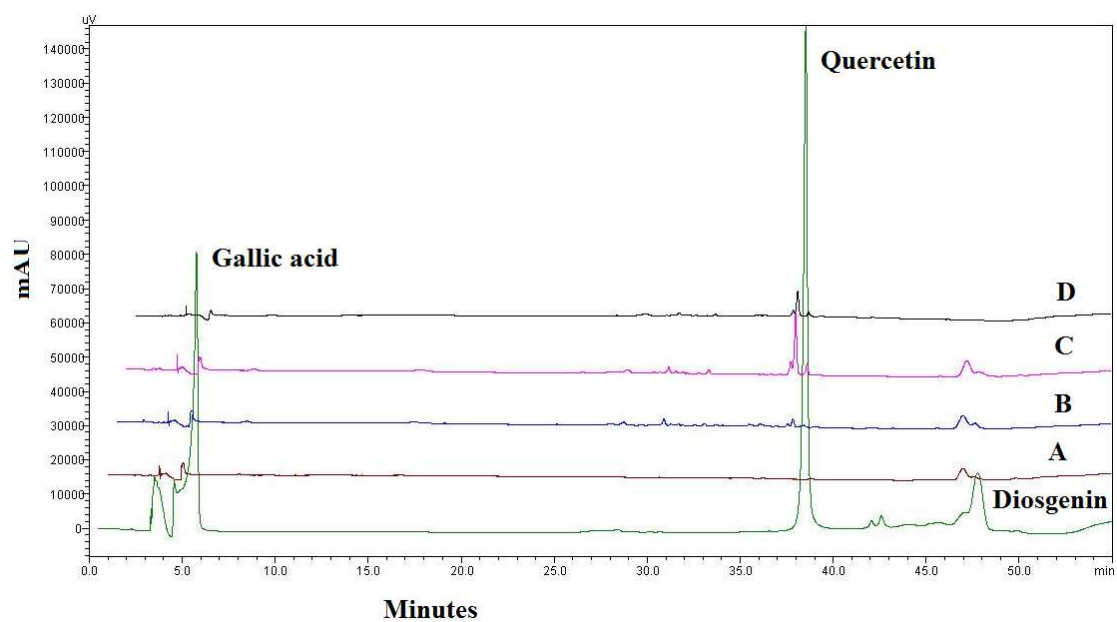


Figure S23. HPLC fingerprint of *G. glauca* flower (A) petroleum ether (B) ethyl acetate (C) methanol (D) 70 % ethanol extract compared with chromatogram of a standard solution containing three marker compounds.

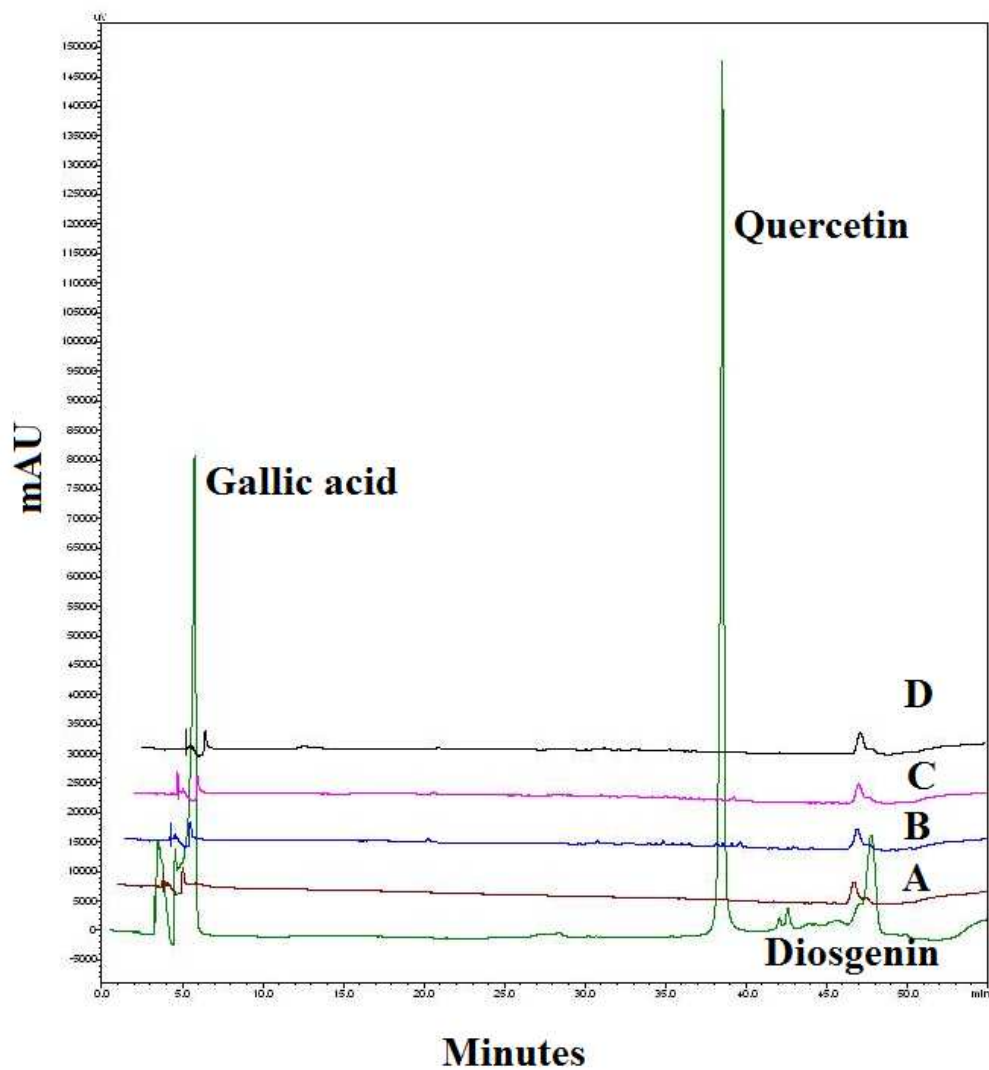


Figure S24. HPLC fingerprint of *G. glauca* stem (A) petroleum ether (B) ethyl acetate (C) methanol (D) 70 % ethanol extract compared with chromatogram of a standard solution containing three marker compounds.