Supplementary Information

Microbial Synthesis of Non-Natural Anthraquinone Glucosides Displaying Superior Antiproliferative Properties

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Figure S1. Comparison of glucose concentration based on the recombinant strain in 48 h incubation. Maximum conversion of anthraquinone to respective anthraquinone glycosides were achieved while supplementing 4% additional glucose in the medium. A) Alizarin, B) Anthraflavic acid, C) 2-amino 3- hydroxyanthraquinone. S stands for substrate peak while P stands for product

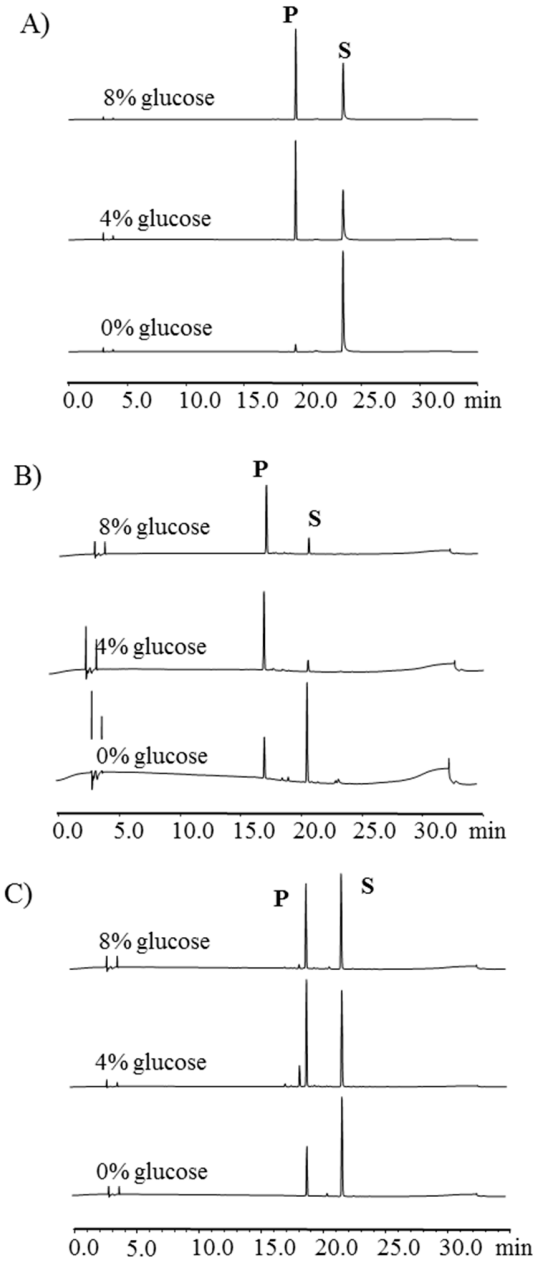

Figure S2. ^{1}H NMR of alizarin

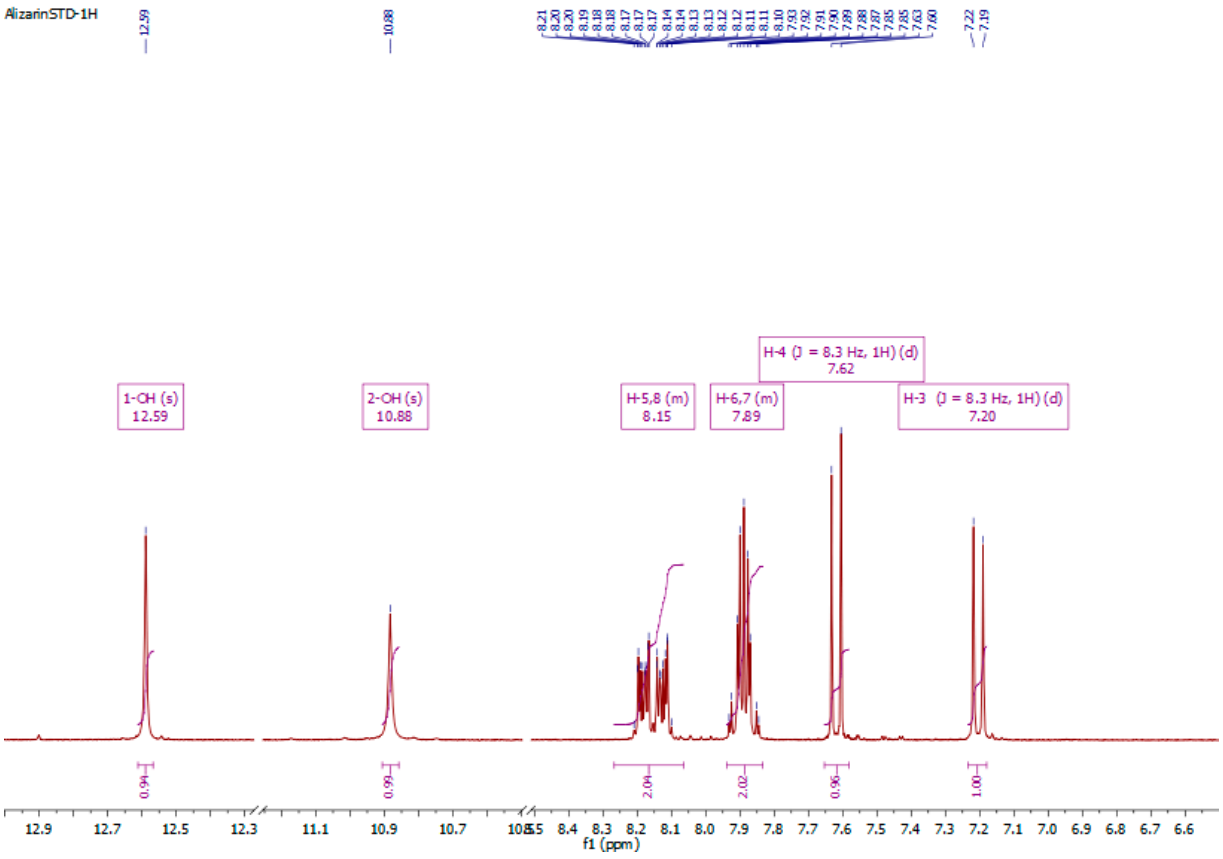

Figure S3. ^{13}C NMR of alizarin

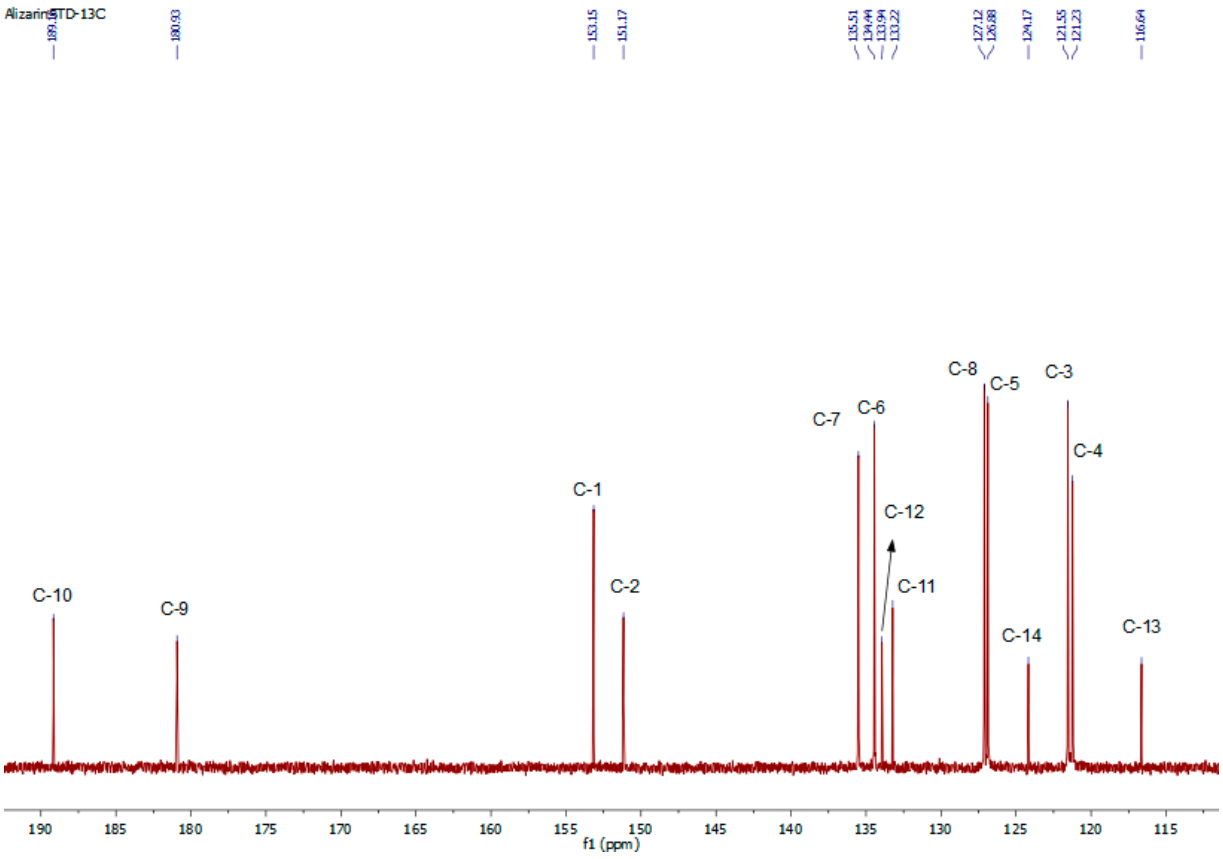

Figure S4. ^{1}H NMR of alizarin-2-*O*-*β*-D-glucoside

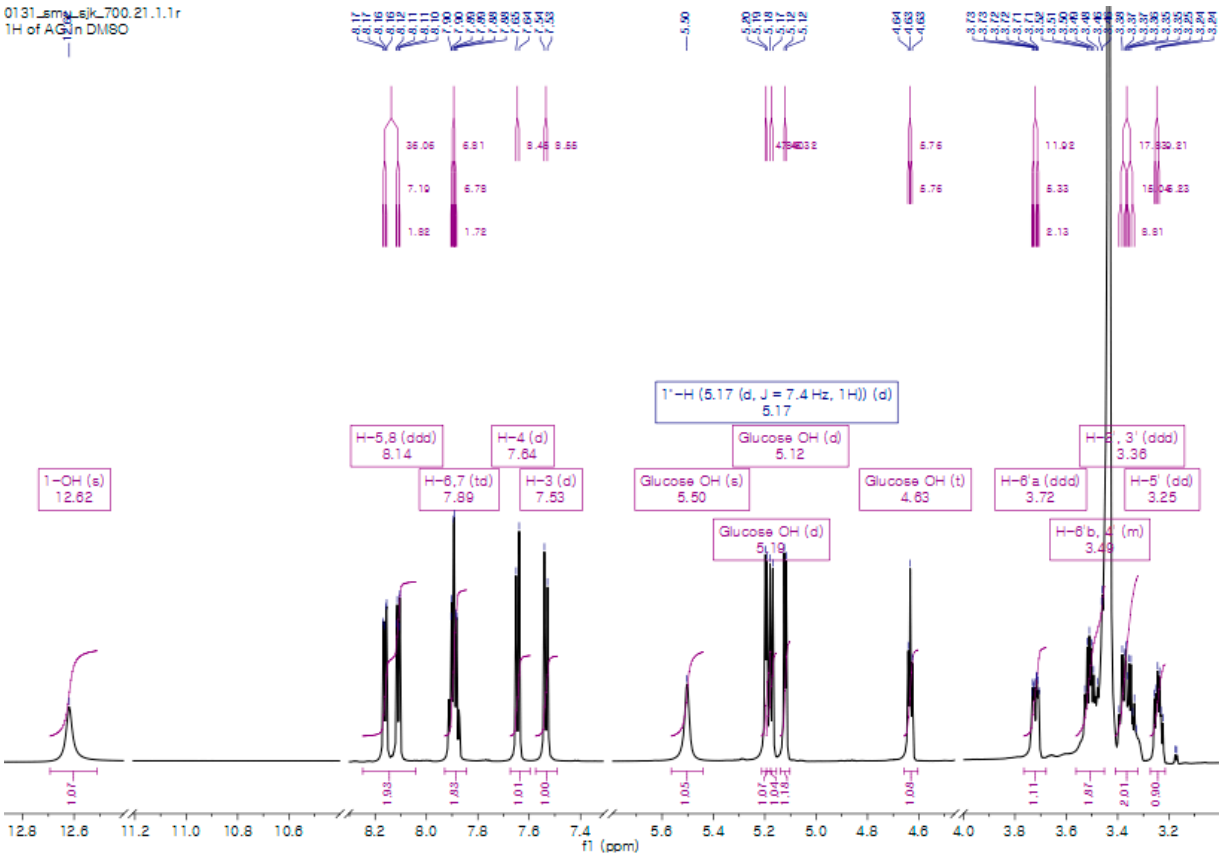

Figure S5. ^{13}C NMR of alizarin-2-*O*-*β*-D-glucoside

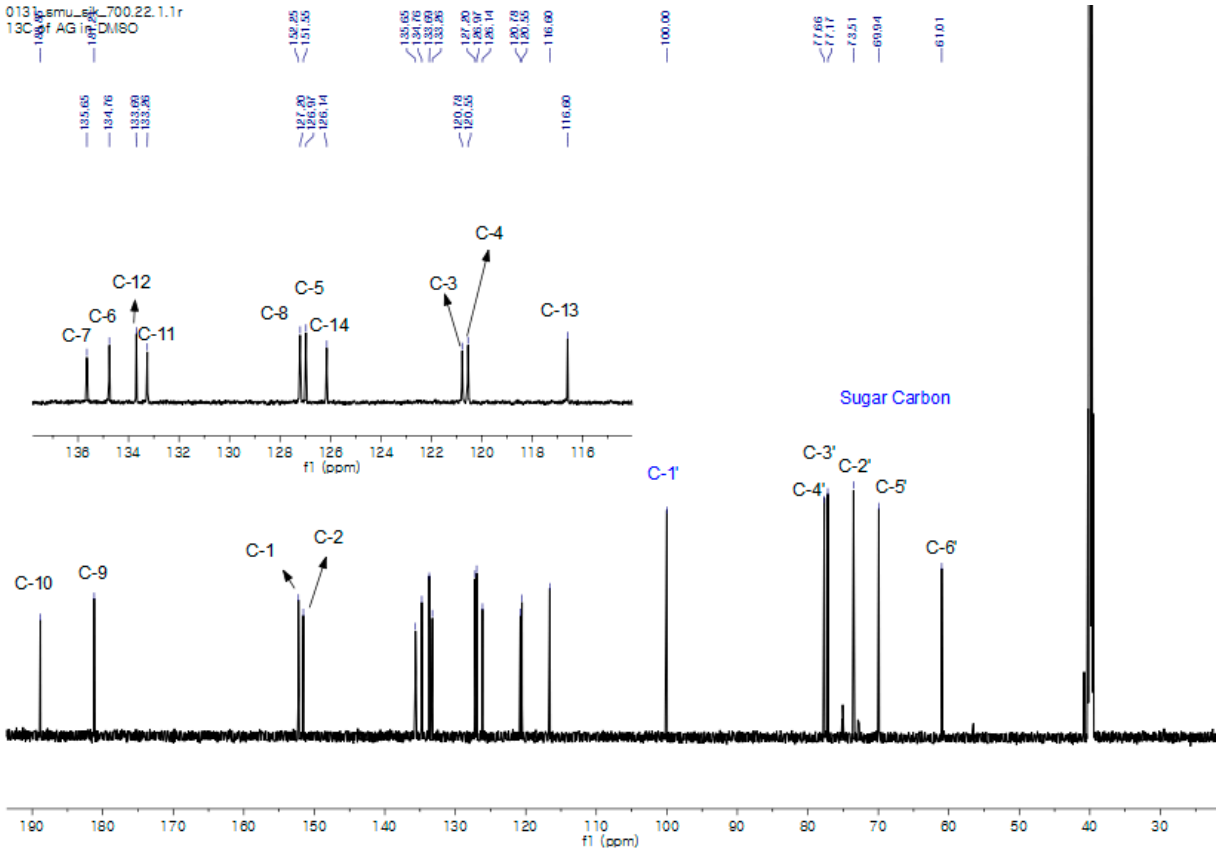

Figure S6. HSQC correlation of alizarin 2-*O*-*β*-D-glucoside

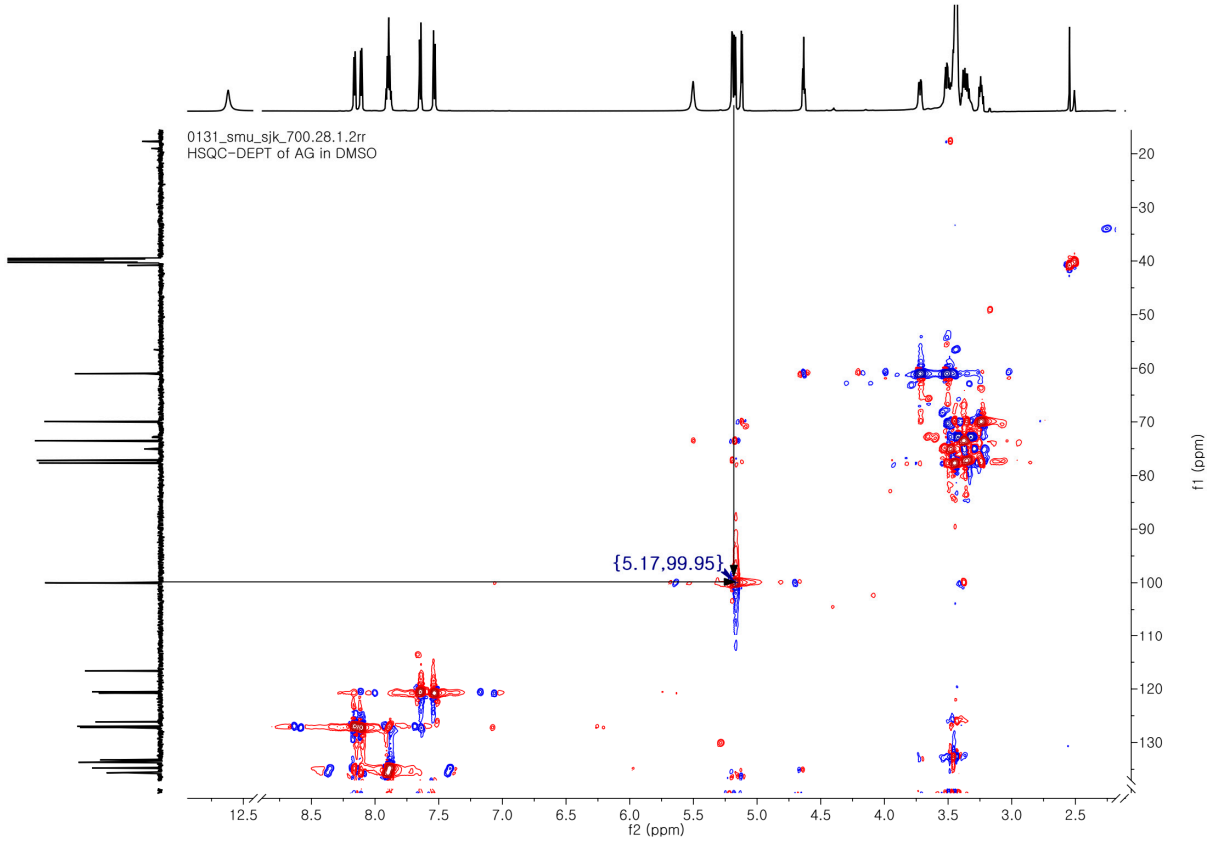

Figure S7. HMBC correlation of alizarin 2-*O*-*β*-D-glucoside