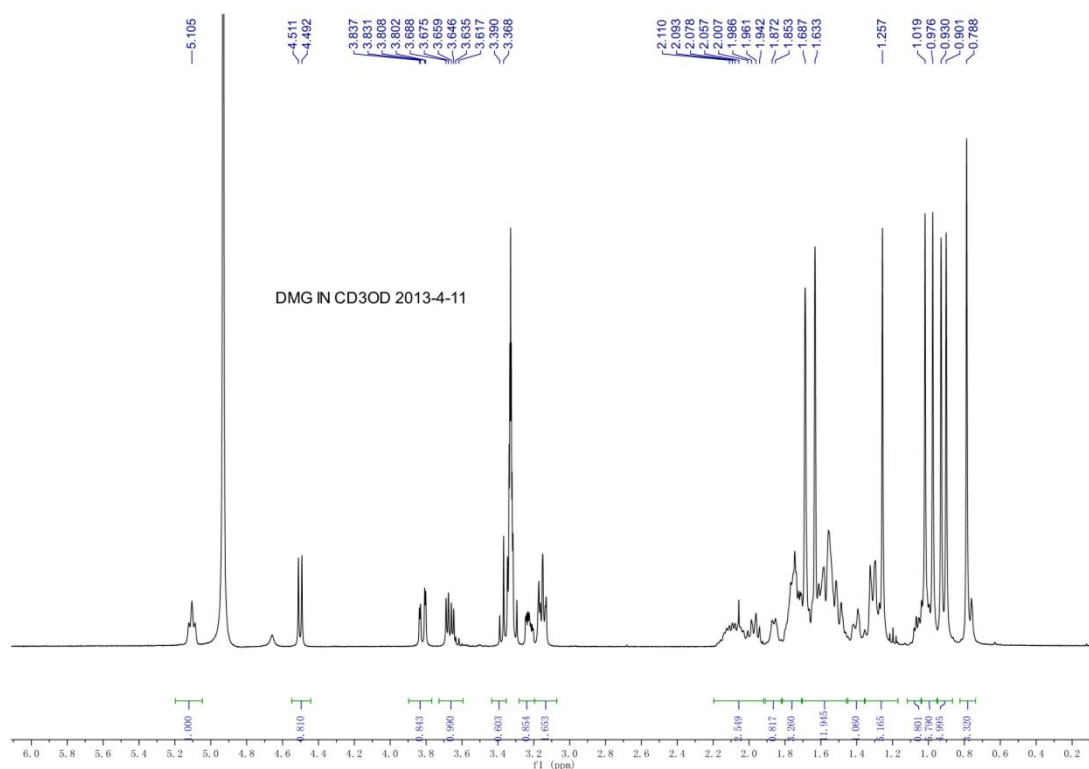
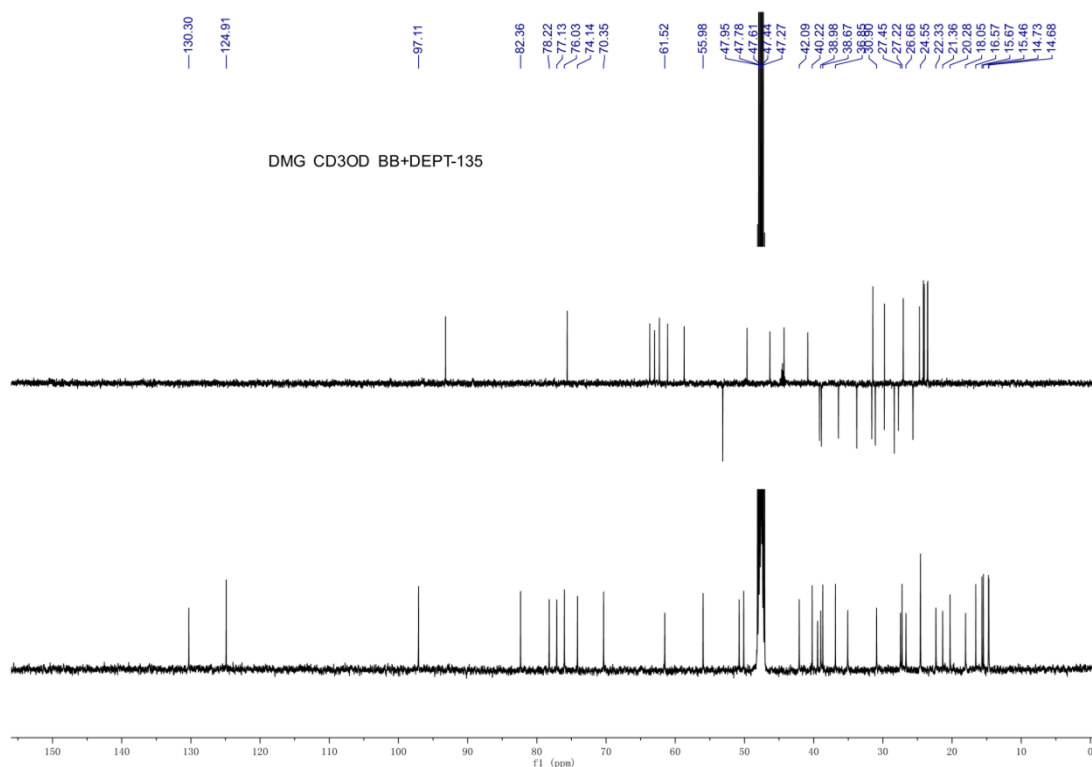


A

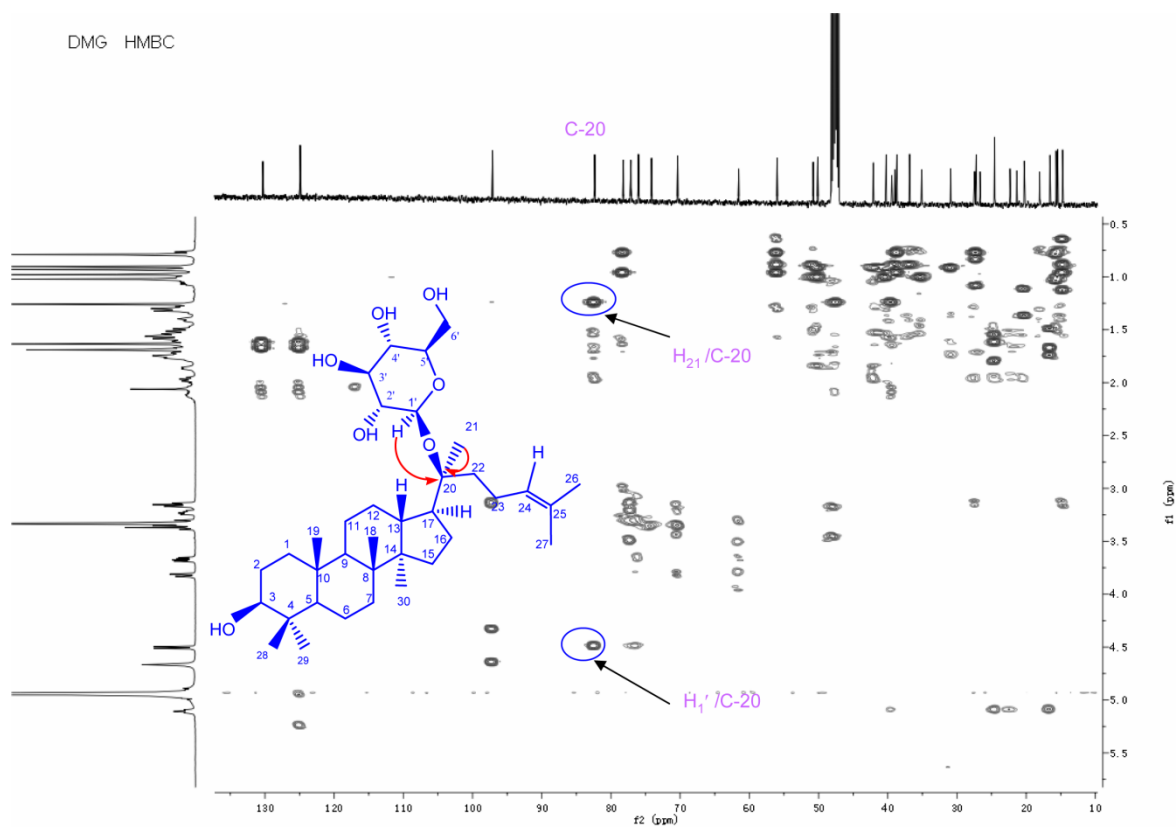


$^1\text{H-NMR}$ (400MHz, in CD_3OD) δ 5.12 (1H, t, $J = 8.0\text{Hz}$, H-24), 4.50 (1H, d, $J = 7.6\text{Hz}$, H-1'), 3.16 (m, H-3), 1.69/1.63 (6H, H-26, 27), 1.26 (3H, s, H-21), 1.02 (3H, s, H-28), 0.98 (3H, s, H-29), 0.93 (3H, s, H-30), 0.90 (3H, s, H-18), 0.79 (3H, s, H-19).

B

^{13}C -NMR (125MHz, in CD_3OD) δ 130.3, (C-25), 124.9 (C-24), 82.4 (C-20), 78.2 (C-3), 56.0 (C-5), 50.8 (C-9), 50.1 (C-14), 47.5(C-17), 42.1 (C-13), 40.2(C-8), 39.4 (C-22), 39.0 (C-1), 38.7 (C-4), 36.9 (C-10), 35.1 (C-7), 30.9 (C-15), 27.5 (C-16), 27.2 (C-28), 26.7 (C-2), 24.6 (C-12), 24.6 (C-26), 22.3 (C-23), 21.4 (C-11), 20.3 (C-21), 18.0 (C-6), 16.6 (C-27), 15.7 (C-30), 15.5 (C-18), 14.7 (C-19 and C-29), 97.1 (C-1'), 74.1 (C-2'), 77.1 (C-3'), 70.4 (C-4'), 76.0 (C-5'), 61.5 (C-6').

C



Supplementary Information, Figure S7. NMR spectra of DMG produced by UGTPg1 *in vitro* reaction. ¹H NMR (A), ¹³C NMR (B) and 2D NMR (C).