

Figure S1.

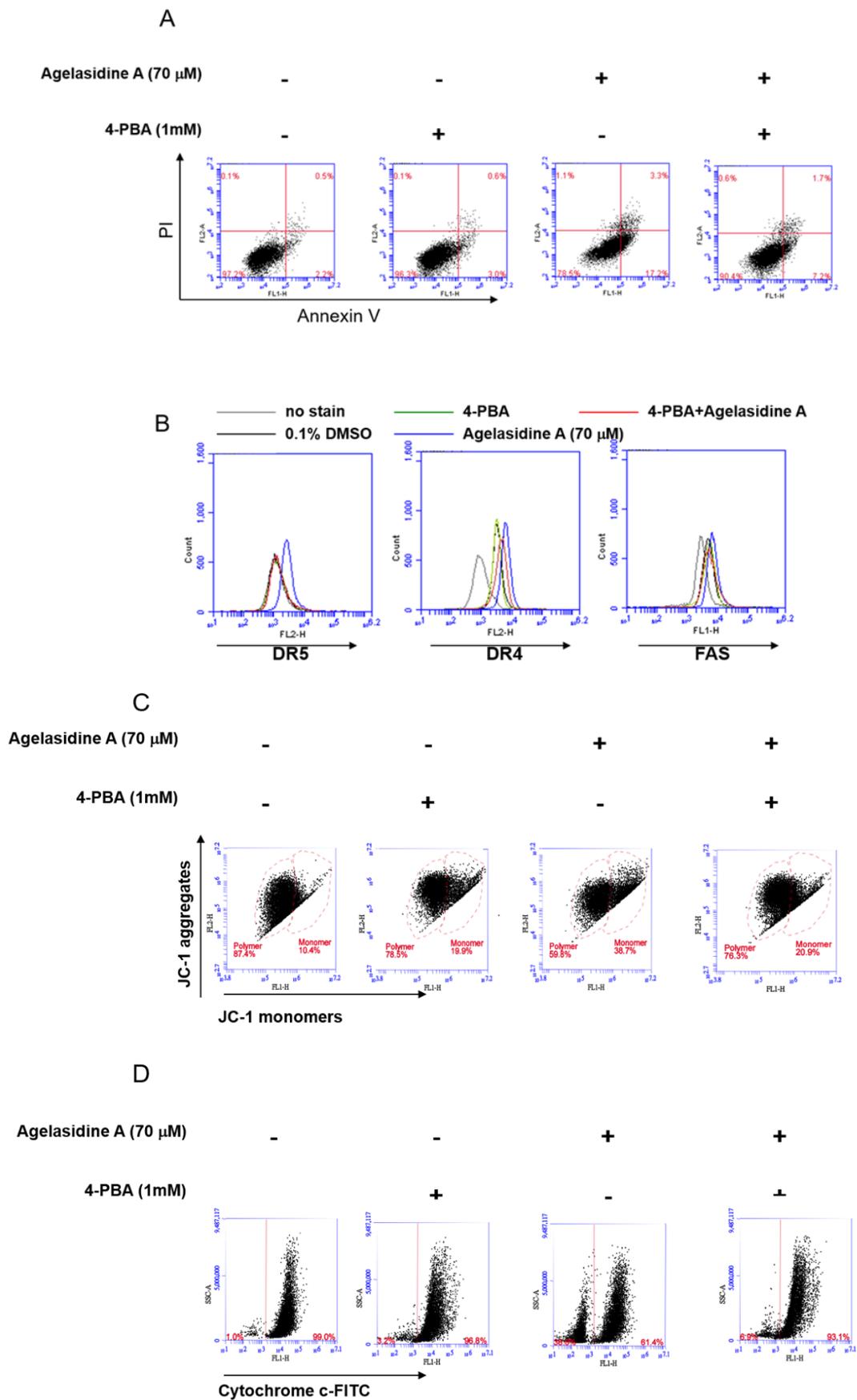
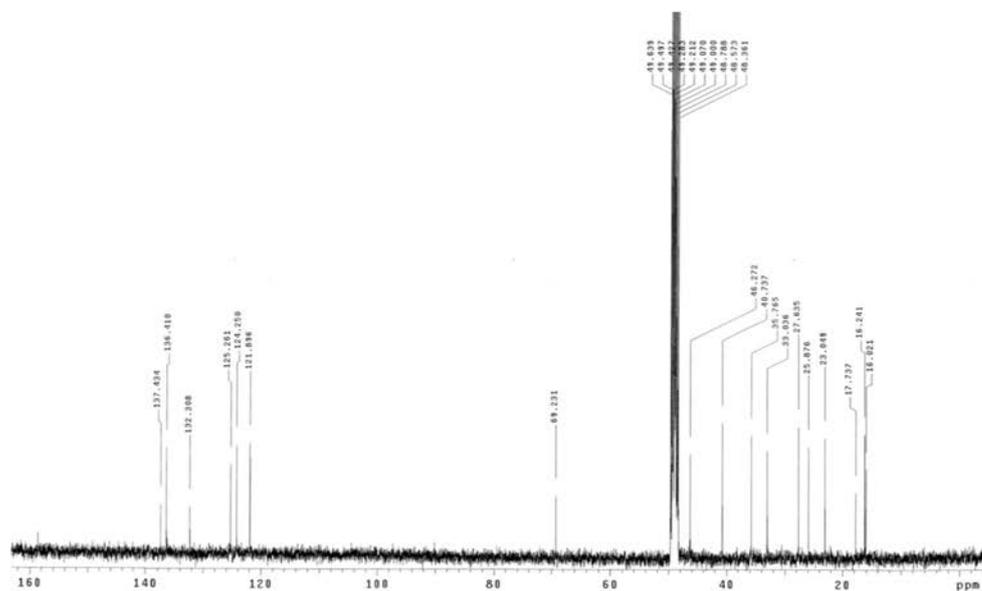


Figure S1. The effects of ER stress inhibitor, 4-PBA on the apoptosis and apoptotic related molecules induced by (-)-agelasidine A in Hep3B cells. Representative bivariate graphs of A) Phosphatidylserine externalization and DNA integrity were determined by FITC-annexin-V and PI. B) DR5, DR4 and FAS were determined via flow cytometry. C) Mitochondrial membrane potential ($\Delta\psi_m$) and D) cytochrome C release was determined by JC-1 fluorescent dye staining or anti-cytochrome c –FITC antibody and flow cytometry analysis.

Figure S2.

^{13}C -NMR spectrum of (-)-Agelasidine A (methanol- d_4)



^1H -NMR spectrum of (-)-Agelasidine A (methanol- d_4)

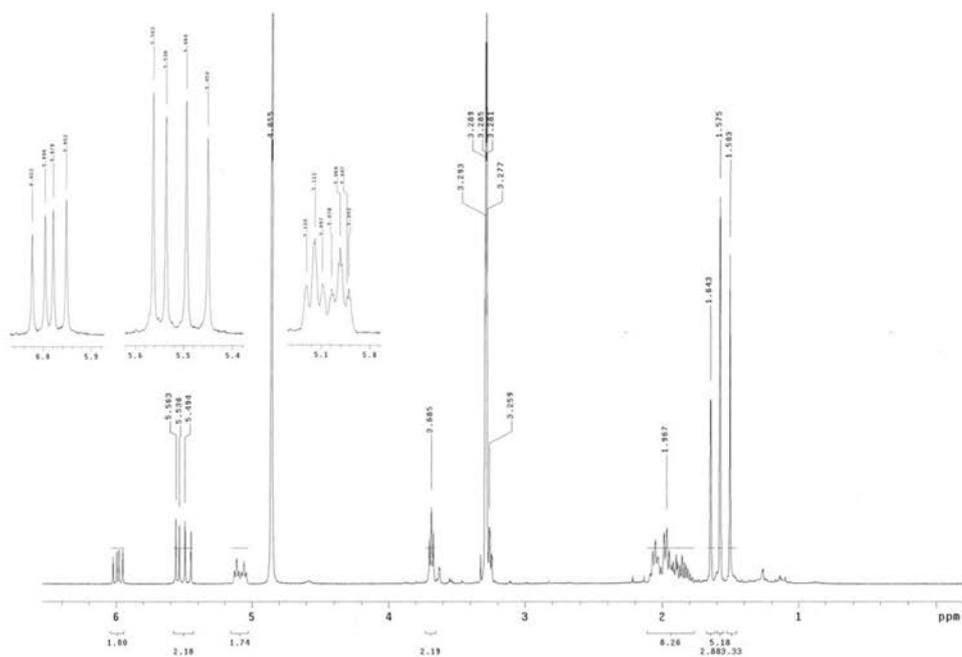


Figure S2. The optical rotation of this isolated compound was $[\alpha]_{25\text{D}} -24.9$ (c 1.0, MeOH) with a molecular formula $\text{C}_{18}\text{H}_{33}\text{N}_3\text{SO}_2$ (ESIMS: m/z 356 $[\text{M}+\text{H}]^+$). The ^{13}C NMR signals resonating at δ_{C} 158.6 (C), 137.4 (C), 136.4(CH), 132.3 (C), 125.3 (CH), 124.3(CH), 121.9 (CH₂), 69.2 (C), 46.3 (CH₂), 40.7 (CH₂), 35.8 (CH₂), 33.0 (CH₂), 27.6

(CH₂), 25.9 (CH₃), 23.0 (CH₂), 17.7 (CH₃), 16.2 (CH₃), and 16.0 (CH₃) as well as the ¹H NMR signals resonating at δ_H 5.99 (dd, J = 17.6, 10.8 Hz), 5.55 (dd, J = 10.8 Hz), 5.47 (d, J = 17.6 Hz), 5.11 (br t, J = 6.4 Hz), 5.06 (tt, J = 6.8, 1.6 Hz), 3.69 (t, J = 5.6 Hz), 3.25 (t, J = 5.6 Hz), 2.05 (m), 2.04 (m), 2.00 (m), 1.99 (m), 1.97 (m), 1.96 (m), 1.94 (m), 1.85 (m), 1.64 (s), 1.58 (s), 1.58 (s), 1.50 (s) were observed. Furthermore, this compound was found to be identical with the known metabolite (–)-agelasidine A, on the basis of comparison of their optical rotation [the reference: [α]_D20 –14.5 (c 1.55, MeOH)] and spectroscopic data.