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Supporting Information

for

Synthesis and evaluation of N^{α} , N^{ϵ} -diacetyl-L-lysine-inositol conjugates as cancer-selective probes for metabolic engineering of GPIs and GPI-anchored proteins

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I. Supplementary Flow Cytometry Data

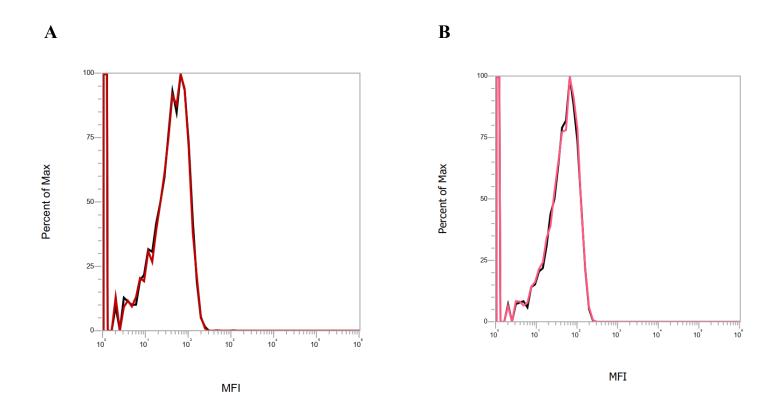


Figure S1: Flow cytometry results of HEK293 cell treated with 200 μ M of **1** (A) or **2** (B) (red) against cell treated with PBS (control group, black) for 48 h, followed by click reaction with DBCO-Cy5 (50 μ M, 37 °C, 1 h). More than 10,000 events were recorded during each experiment and three replicate experiments were performed.

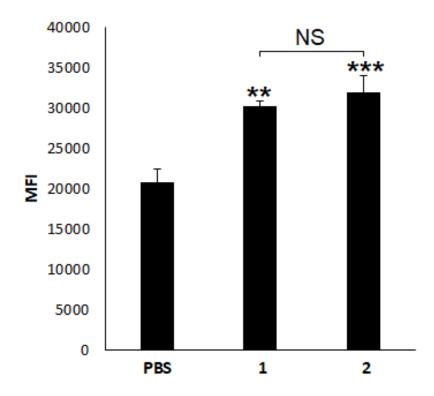


Figure S2: Flow cytometry results of MCF-7 cell treated with PBS (control) or with 200 μ M of 1 or 2 for 48 h and then with DBCO-Cy5 (50 μ M, 37 °C, 1 h). Data are presented as mean \pm standard deviation of three parallel experiments and analyzed by two-tailed student's t test: **statistically very different ($P \le 0.01$) from the PBS group; NS, no significant difference (P > 0.05).

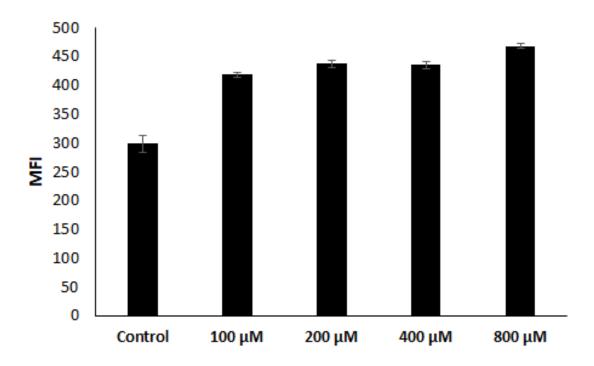


Figure S3: Flow cytometry results of MCF-7 cell treated with PBS (control) or with various concentrations (100-800 μ M) of 1 for 48 h and then with DBCO-Cy5 (50 μ M, 37 °C, 1 h). Data are presented as mean \pm standard deviation of three parallel experiments. Difference of the treatment groups with the control (PBS) group was all statistically significant ($P \le 0.05$).

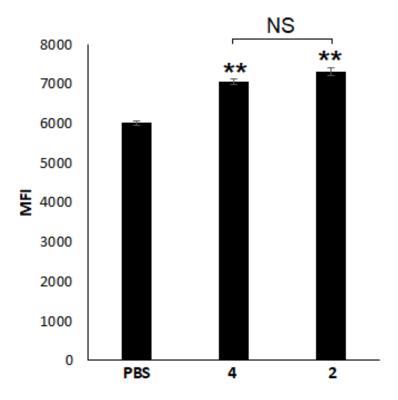


Figure S4: Flow cytometry results of HepG2 cell treated with PBS (control) or with 200 μ M of 2 or 4 for 48 h and then with DBCO-Cy5 (50 μ M, 37 °C, 1 h). Data are presented as mean \pm standard deviation of two parallel experiments and analyzed by two-tailed student's t test: **statistically very different ($P \le 0.01$) from the PBS group; NS, no significant difference (P > 0.05).

II. NMR and MS Spectra of Compounds

