Supplemental Figures

Supplemental Fig. S1. Purified His-MUC1-CD was incubated with PBS (Control) or increasing amounts of GO-203 for 1 h at room temperature. The proteins were separated in a non-reducing polyacrylamide gel and analyzed by immunoblotting with anti-MUC1-C.

Supplemental Fig. S2. A. Total RNA isolated from the indicated cells was analyzed for MUC1 mRNA levels by qRT-PCR. The results (mean$\pm$SD of three determinations) are expressed as relative MUC1 mRNA levels as compared to that obtained from A549 cells (assigned a value of 1). B. Lysates from the indicated NSCLC cells were immunoblotted with anti-MUC1-C and anti-β-actin. C, D and E. NCI-H292 (C), H1299 (D) and H460 (E) cells were left untreated (diamonds) or treated with 5 μM GO-203 (squares) each day for the indicated times. Viable cell number (mean$\pm$SE of three determinations) was determined by trypan blue exclusion. The asterisk (*) denotes a significant difference ($p<0.05$) from the untreated control.

Supplemental Fig. S3. A. H1975 cells were transfected with a control (CsiRNA) or EGFR siRNA pools for 72 h. Lysates were immunoblotted with the indicated antibodies. B. A549 cells were transfected with a control (CsiRNA) or K-Ras siRNA pools for 72 h. Lysates were immunoblotted with the indicated antibodies.

Supplemental Fig. S4. A and B. H1975 (A) and A549 (B) cells were left untreated (control), and treated with 5 μM GO-203 each day for 2 days. Lysates were precipitated with anti-EGFR or a control IgG. The precipitates were immunoblotted with anti-PI3K p85 and, as a control, anti-EGFR. C and D. H1975 (C) or A549 (D) cells were left untreated (control), and treated with 5 μM GO-203 or CP-2 each day for 2 days. Lysates were precipitated with anti-MUC1-C. The precipitates were immunoblotted with anti-p-Tyr and anti-MUC1-C.

Supplemental Fig. S5. A. H1975 cells were treated with 5 μM GO-

201, GO-202 or CP-1 each day for 6 days. Cells were stained with propidium iodide (PI) and analyzed by flow cytometry. The percentage of cells with loss of cell membrane integrity is included in the panels. B. A549 cells were treated with 5 μM GO-203 or CP-2 each day for 6 days. Cells were stained with PI and analyzed by flow cytometry. The percentage of cells with loss of cell membrane integrity is included in the panels.

Supplemental Table

Primers used for qRT-PCR of MUC1

MUC1	Fwd 5'- TACCGATCGTAGCCCCTATG-3'
MUC1	Rev 5'- CTCACCAGCCCAAACAGG-3'
B-actin	Fwd 5'- CAAAGTTGTCATGGATGACC-3'
B-actin	Rev 5'- CCATGGAGAAGGCTGGGG-3'