



Figure S1. (20S)G-Rh2 induced caspase-dependent apoptosis in esophageal cancer cells identified by cell viability assay. ECA109 and TE-13 cells were co-treated with 5 μ g/mL (20S)G-Rh2 and 20 μ M inhibitor of caspase-8(Z-IEHD-FMK, MCE) or caspase-9 (Z-LETD-FMK, MCE) for 48 hours in a 96-wells plate. After treated with MTT, cells were solubilized with DMSO and measured at 550nm with an ELISA reader.

Table S1. Primers used in this study

| Gene | Primers Sequences |
|---------|-----------------------------|
| Bax_F | TCAGGATGCGTCCACCAAGAAG |
| Bax_R | TGTGTCCACGGCGGCAATCATC |
| Bak_F | TTACCGCCATCAGCAGGAACAG |
| Bak_R | GGA ACTCTGAGTCATAGCGTCG |
| Fas_F | ATGCTGGGCATCTGGACCCTC |
| Fas_R | CTAGACCAAGCTTTGGATTTCATTCTG |
| DR5_F | ATGGAACAACGGGGACAGAAGG |
| DR5_R | TTAGGACATGGCAGAGTCTGCATTAC |
| GAPDH_F | ATGGGGAAGGTGAAGGTCGGAG |
| GAPDH_R | TTACTCCTTGGAGGCCATGTGGGCC |