**Supplementary Figure 1**



**Supplementary Figure 1:** quantification of signals from immunoblots was performed using Image J software, with identical area measured for each band analyzed. p53 bands after 24, 48 and 72h treatment with increasing concentrations of ENMD-2076 from HCT116, GEO, LS1034 and LS123 cell lines were compared to their control (\*≤0,05; \*\*≤0,01; \*\*\*≤0,001; \*\*\*\*≤0,0001).

**Supplementary Figure 2**



**Supplementary Figure 2:** Ki67, p53, Caspase3 and CD34 staining were performed in three nonresponsive models (CUCRC 007, CUCRC 012, CUCRC40), and in three sensitive models (CUCRC 006, CUCRC 021, CUCRC181). A reduction in the Ki67 staining (%) were observed in the treated tumors with respect to the vehicle control in the sensitive models.