



Supplemental Figure 1

Pharmacological profiling of phosphoinositide-3-kinase inhibitors as mitigators of ionizing radiation-induced cell death.

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PI3K inhibitors and radiation mitigation. NCCIT (Panels A-E) or NTERA2 (Panel F) cells were exposed to 0 (■) or 4 (○) Gy γ IR and 1 h later treated with 0.1% DMSO vehicle control or various concentrations of A66 (Panel A), CAL-101 (Panel B), GSK2126458 (Panel C), palomid-529 (Panel D), XL-147 (Panel E), and AS-252424 (Panel F). After 48 h, Caspase 3/7 activity was determined. N = 3. Bars = S.E.M. Data analyzed by ANOVA. * = $p < 0.05$ between cells exposed to 0 or 4 Gy γ IR. + = $p < 0.05$ between nonirradiated cells treated with 0.1% DMSO and nonirradiated compound treated cells.