

Supplementary Information

A sphingosine kinase inhibitor combined with temozolomide induces glioblastoma cell death through accumulation of dihydrosphingosine and dihydroceramide, endoplasmic reticulum stress and autophagy

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Legend to Supplementary Figure 1.

The overall LC3 level is increased after 48 hours of TMZ treatment. NCH82 cells were treated for 8, 16, 24, and 48 h with 500 μ M TMZ or control medium. Total LC3 level (LC3-I + LC3-II) at each time point was quantified and compared to its respective 14-3-3 level (internal control). The mean value of the total LC3/14-3-3 ratios for each condition is reported in the graphs. The blots shown are representative of three independent experiments, and the results are shown as the mean \pm SEM. *: $p < 0.05$ compared to all other time points of the TMZ-treated NCH82 cells.