Figure 4 - figure supplement 1. **Analysis of ER stress in response to erastin treatment**. (*A*) Western blot analysis of erastin (5 μM, 7 hr)- sorafenib (10 μM, 12 hr)- and thapsigargin (10 ng/mL, 6 hr)-treated cells reveals changes associated with ER stress including phosphorylation of eIF2alpha and up-regulation of ATF4 protein levels relative to unphosphorylated forms and total protein respectively. *: non-specific band in the ATF4 blot. (B) Splicing of XBP-1 mRNA analyzed by PCR and agarose gel electrophoresis. Treatment conditions are as in (*A*). (C) Viability of HT-1080 cells over time treated with DMSO or erastin +/- actinomycin D or cycloheximide (CHX), as indicated. Cell counts were measured using a Vi-Cell analyzer. (*E*,*F*) CHAC1 mRNA levels measured in HT-1080 cells in response to the indicated erastin analogs. (*E*) AE, PE and MEII were reported previously in Yang et al (2014) *Cell*. Results presented in A and B are representative of three independent experiments. Data shown in (*D,E*) is the average of three independent biological replicates, and in (*C,F*) the average of two replicates.