

# **HuR-targeted small molecule inhibitor exhibits cytotoxicity towards human lung cancer cells**

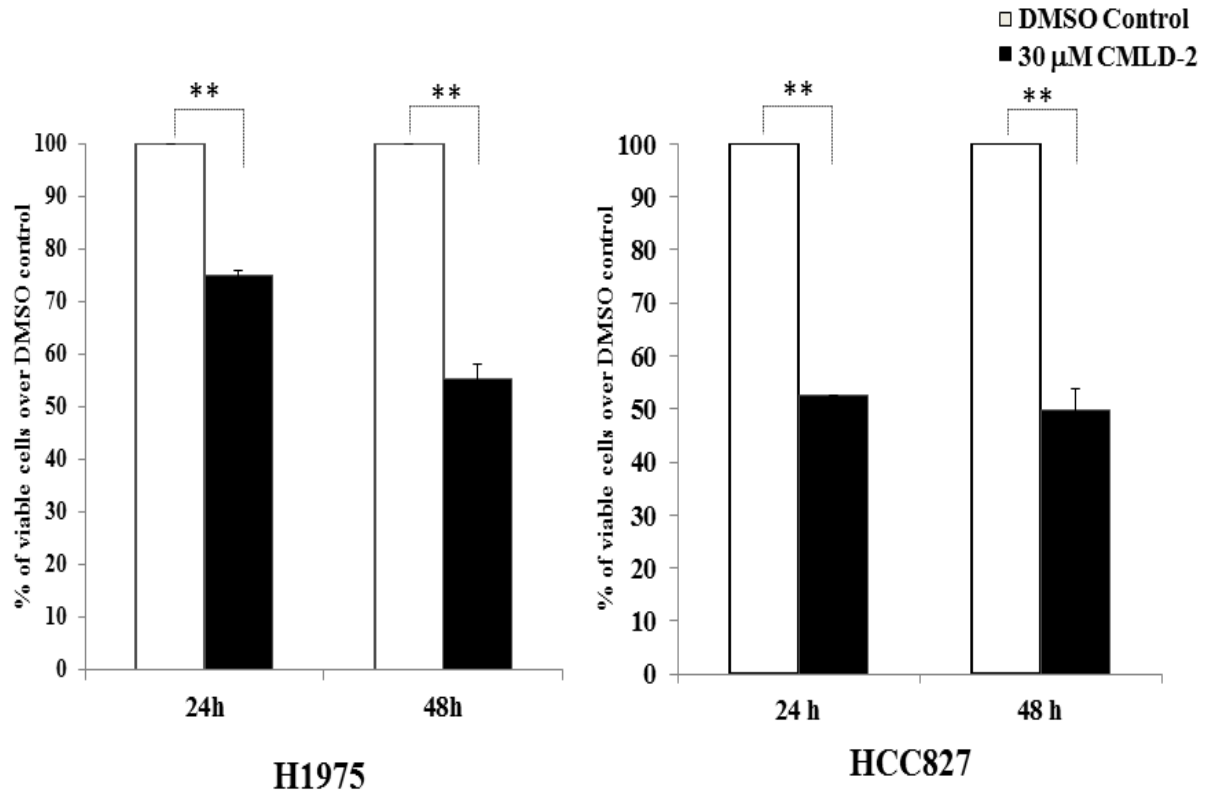
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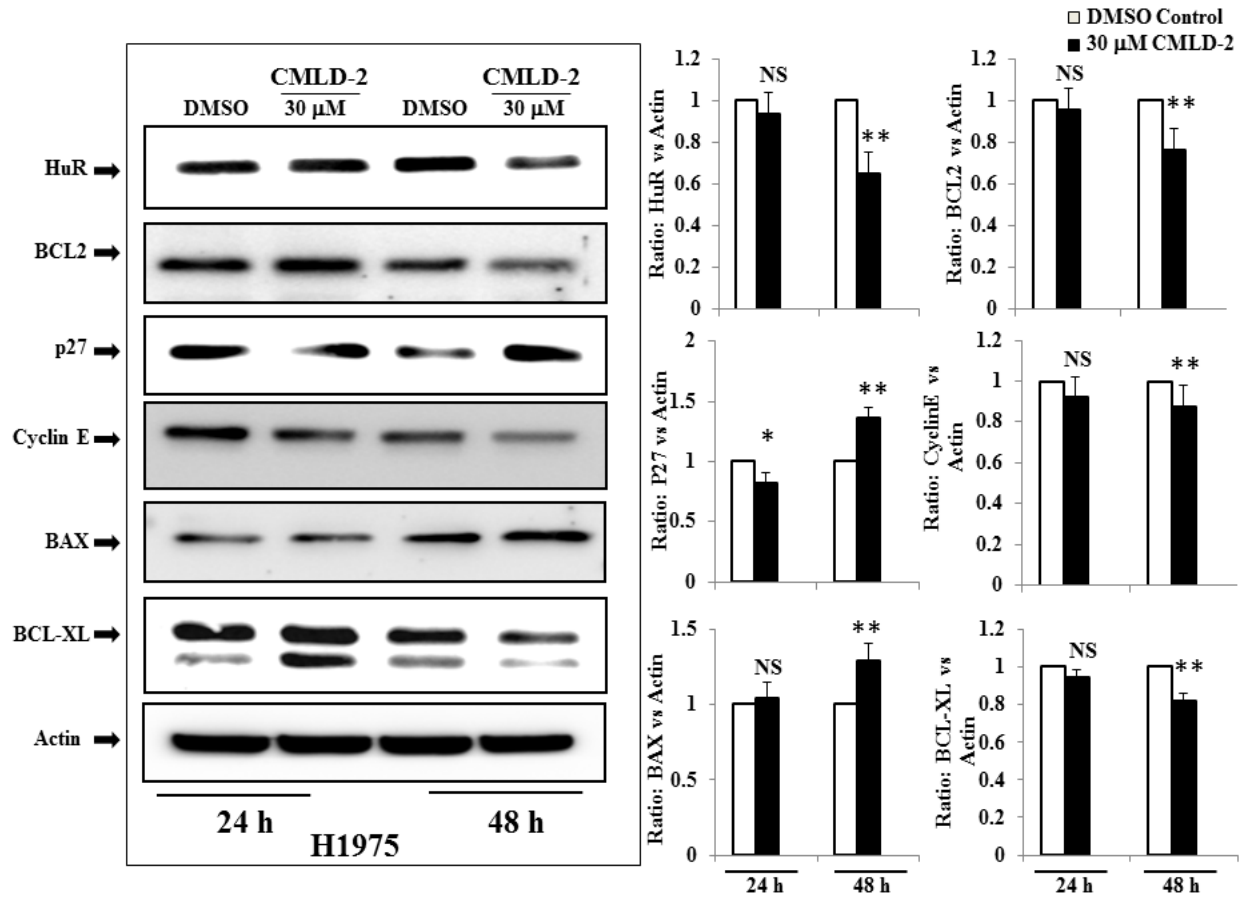
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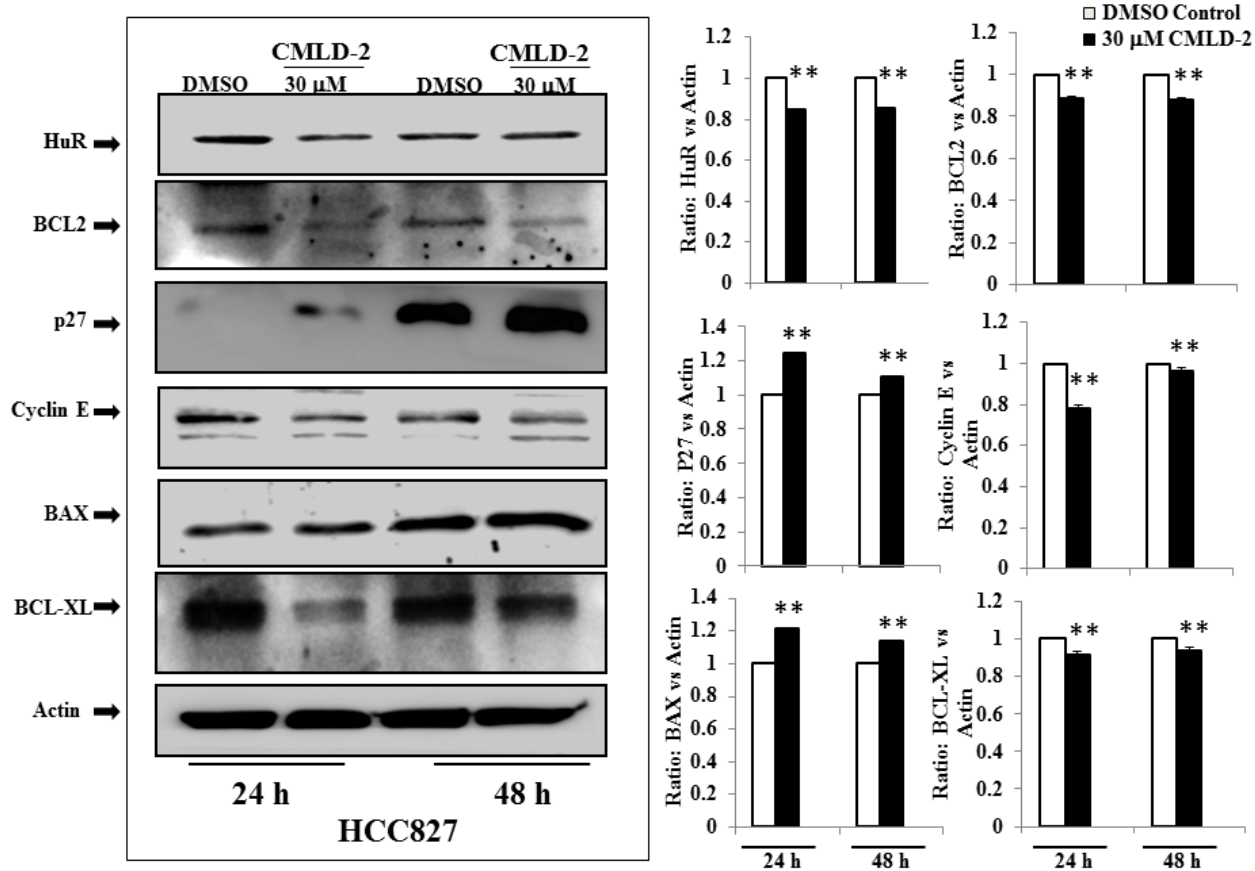
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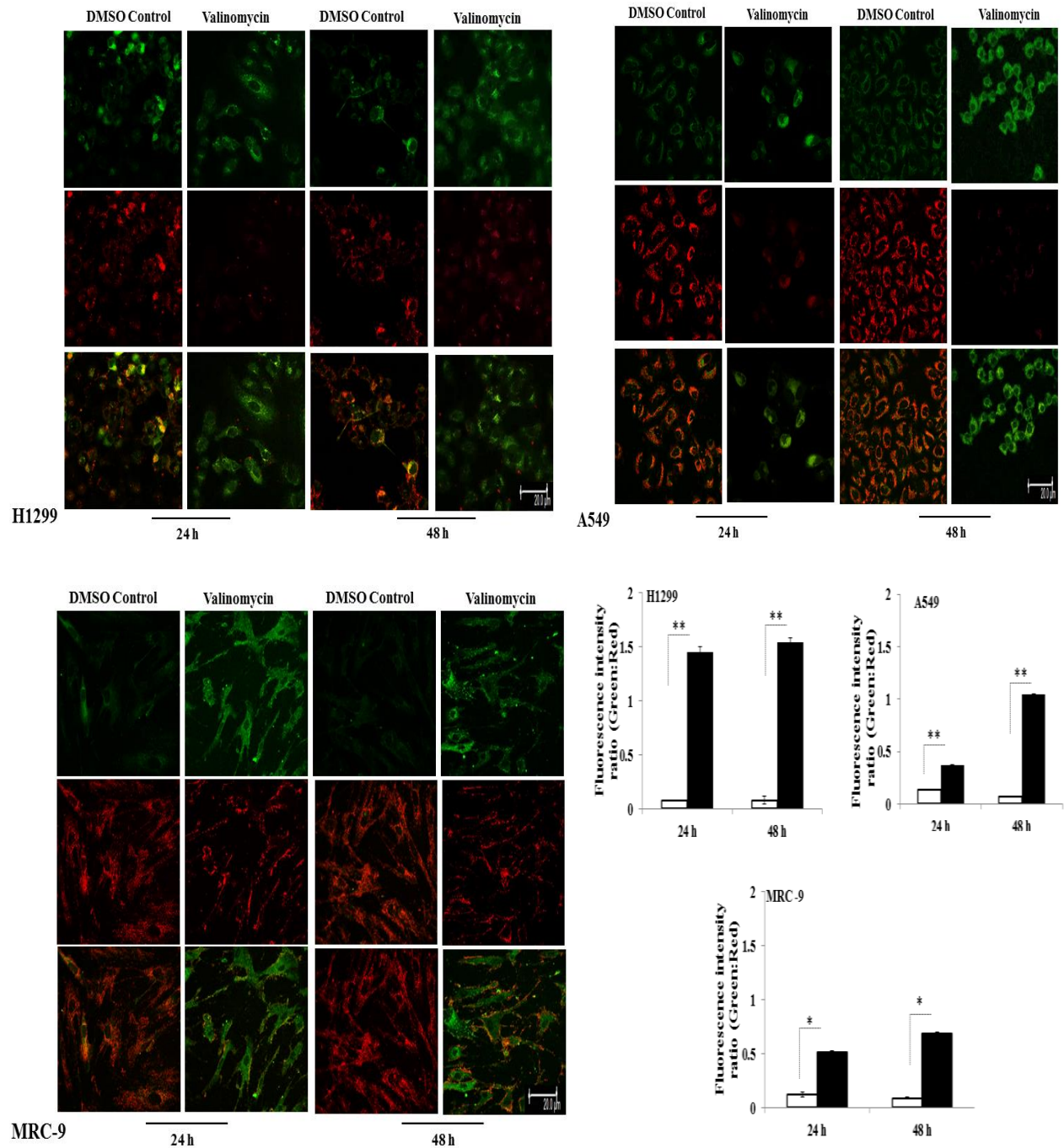
**Figure S-1.** H1975 and HCC827 lung tumor cells were treated with either DMSO or 30 μM of CMLD-2 and the cytotoxicity was measured at 24 h and 48 h after treatment. Error bar denotes *SD*; NS, not significant; \* $p < 0.05$ ; \*\* $p < 0.001$



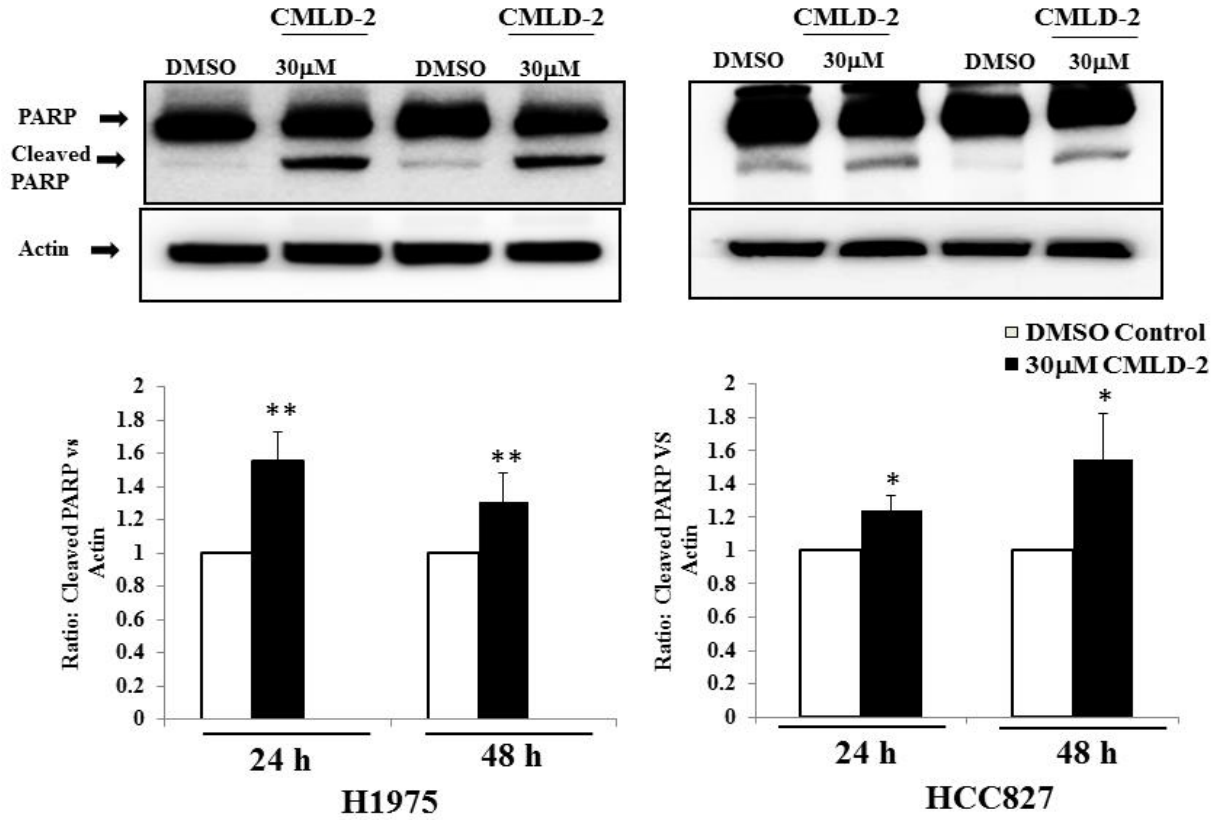
**Figure S-2.** Western blot analysis shows the expression of HuR and HuR regulated proteins in H1975 cells treated with DMSO or 30  $\mu$ M of CMLD-2. Bar graphs represent semi-quantitative analysis of the protein expression. Error bar denotes *SD*; NS not significant; \* $p < 0.05$ ; \*\* $p < 0.001$



**Figure S-3.** Western blot analysis shows the expression of HuR and HuR regulated proteins in HCC827 cells treated with DMSO or 30  $\mu$ M of CMLD-2. Bar graphs represent semi-quantitative analysis of the protein expression. Error bar denotes *SD*; NS not significant; \* $p$ <0.05; \*\* $p$ <0.001



**Figure S-4.** Mitochondrial perturbation in tumor and normal cells treated with DMSO or Valinomycin (30  $\mu$ M). Red fluorescence shows aggregation of fluorescent red dye indicating intact mitochondrial potential and monomeric green fluorescence indicates perturbation and low mitochondrial potential. Overlay image shows the degree of perturbation. Bar graphs represent the relative fluorescence intensity in DMSO- and Valinomycin-treated cells. Error bar denotes *SD*;  $p < 0.05$ ;  $** p < 0.001$



**Figure S-5.** Western blot analysis shows the expression of cleaved PARP in H1975 and HCC827 cells treated with either DMSO or 30 μM of CMLD-2. Bar graphs represent semi-quantitative analysis. Error bar denotes *SD*; NS, not significant; \**p*<0.05; \*\* *p*< 0.001