



A. Image of H-4073 docked with the STAT3 monomer at the preferred site on the DNA binding domain as determined by AutoDock simulation.

B: STAT3 translocation assay using A2780 (cisplatin-sensitive) ovarian cancer cells. The intensity of pSTAT3 nuclear staining was quantified using the green channel by selecting 50 cells per slide for quantification. Treatment with HO-3867 10 μ M reduced overall pSTAT3 nuclear expression when compared to untreated control cells or cells exposed to IL-6 alone (50 ng/ml). Comparisons were made using ANOVA with $p < 0.05$ being significant (* $p \leq 0.01$).