Supplementary Information

For Targeting the Transposase Domain of the DNA Repair Component Metnase to Enhance Chemotherapy

Elizabeth A. Williamson et al.

Figure S1. The composite approach for in silico compound selection.
Figure S2. Superposition of the 3D structures of Metnase (model, blue) and MOS-1 active sites (2F7T, orange).

Figure S3. Comparison between two metnase structures: monomer from the homology modeling (green) and the dimeric X-rays crystallography structure 3F2K (blue). RMSD: C-alpha carbon: 0.89 Å. All atoms: 0.94 Å
**Figure S4.** Electrostatic surface of the metnase Transposase domain. Ribbon representation: α-helices (red), β-sheet (yellow), loops (gray). Electrostatic surface: red (high electron density), blue (low density region).