

Supplemental material #1 :

**Allosteric drugs: the interaction of anti-tumor compound MKT-077 with human
Hsp70 chaperones**

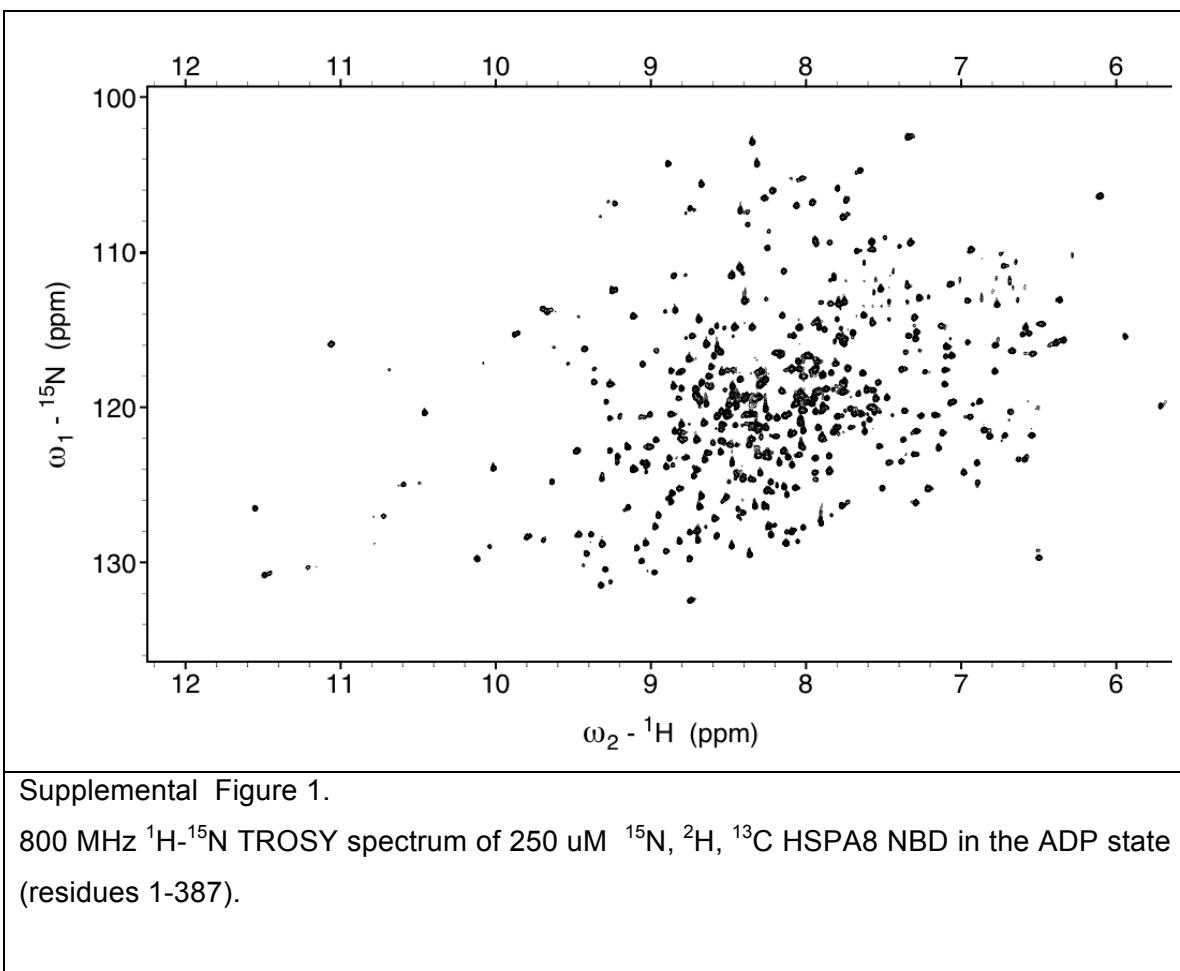
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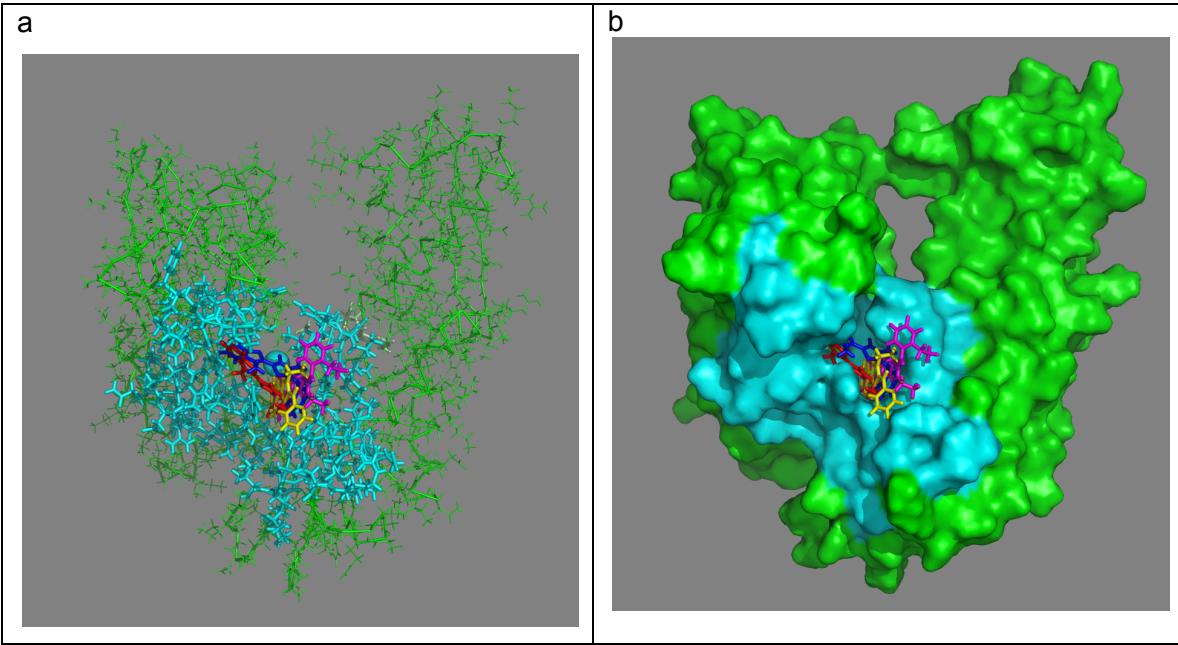
Supplemental Figure 2. Compilation of chemical shift changes in the ¹⁵N-¹H TROSY spectra.

Top line: 80 uM ¹⁵N-labeled HSPA8 NBD in the presence of 10 mM ADP, with 80 uM MKT-077

Middle line: 250 uM ¹⁵N-²H labeled HSPA8 NBD in the presence of 10 mM ADP, with 120 uM MKT-077.

Bottom line: 120 uM ¹⁵N-labeled HSPA8 NBD in the presence of 2 mM AMPPNP, with 240 uM MKT-077

Green, no changes; yellow, small changes; red, large changes; grey, no assignments; cyan, cannot tell because of overlap.



Supplemental Figure 3. In cyan, the selection of residues of 3C7N.pdb used for the Amber MD docking evaluation by MMGB/PBSA (see Materials and Methods). ADP, not included in the evaluation, is shown in pale green. MKT-077 AUTODOCK-pose with 5.25 Kcal/M energy in magenta; 5.36 Kcal/M in yellow; 6.32 Kcal/M in blue; 7.03 Kcal/M in red.

