Supporting Information

For

Synthesis, Biological Evaluation, and Structure-Activity Relationships of Tri- and Tetrasubstituted Olefins Related to *iso* Combretastatin A-4 as New Tubulin Inhibitors

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Superimposition of geometries for compounds 3j (a), 3k (b), 3l (c) and 4b with and without protein

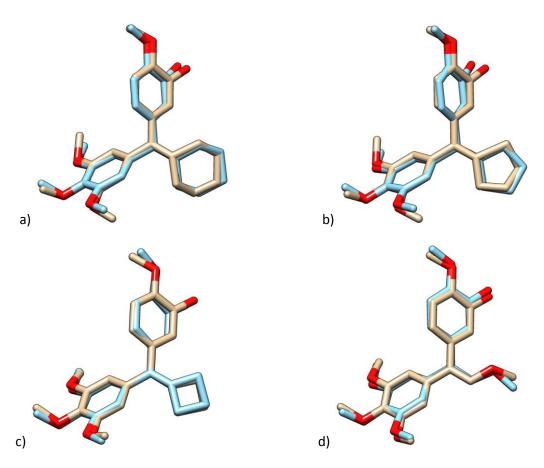
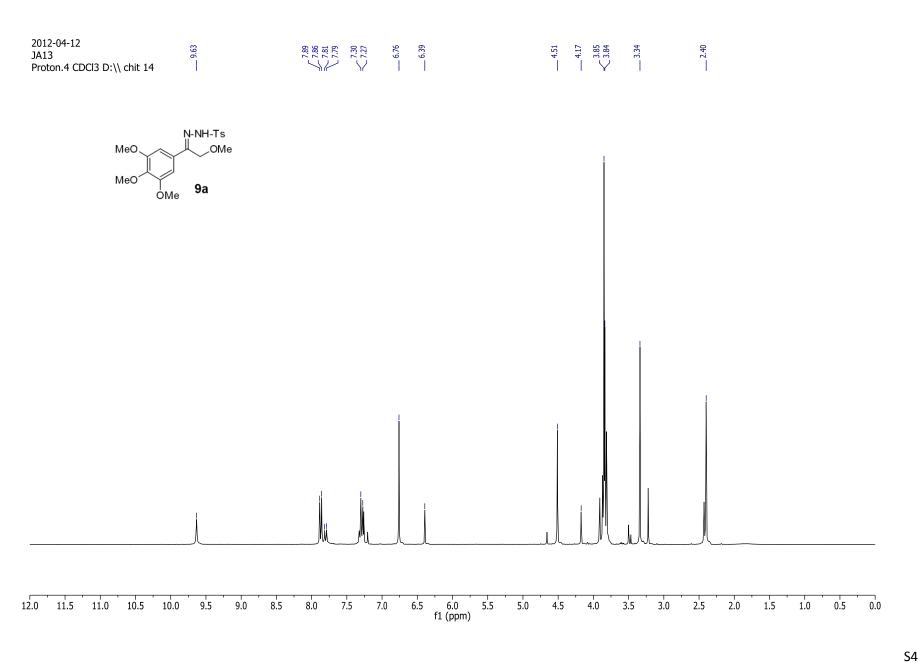
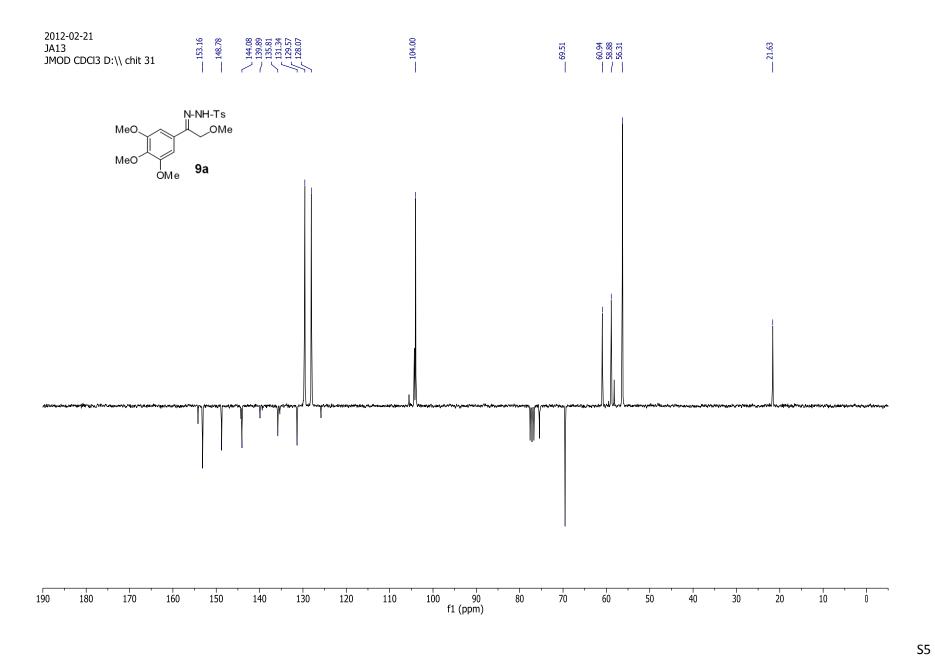


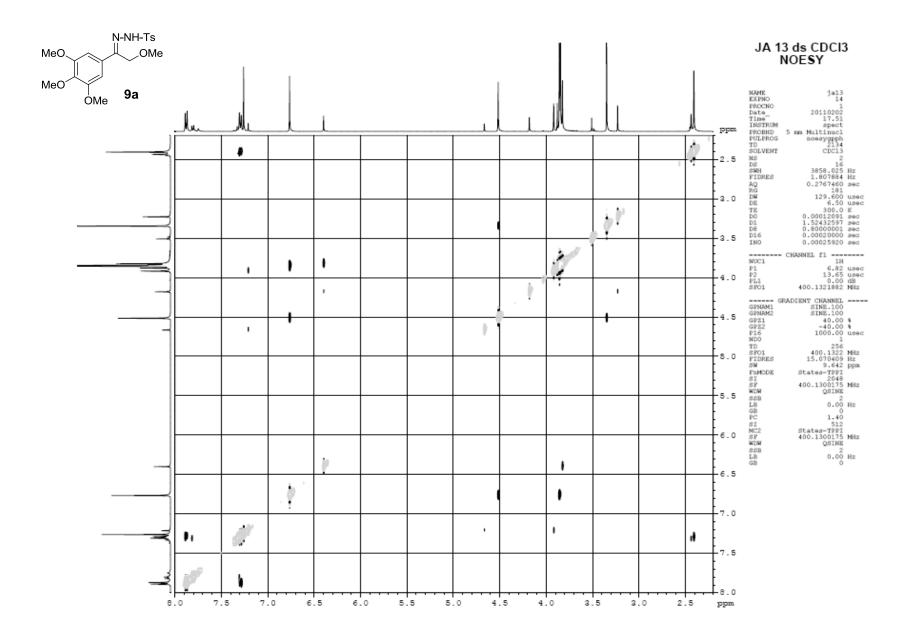
Figure S1. Superimposition of geometries for compounds **3j** (a), **3k** (b), **3l** (c) and **4b** (d) as docked in the colchicine binding site (brown color) and optimized without the protein to the closest B3LYP/6-31G* energy minimum (blue color). Respective RMSD within each subfigure are 0.54, 0.66, 0.50 and 0.52 Å.

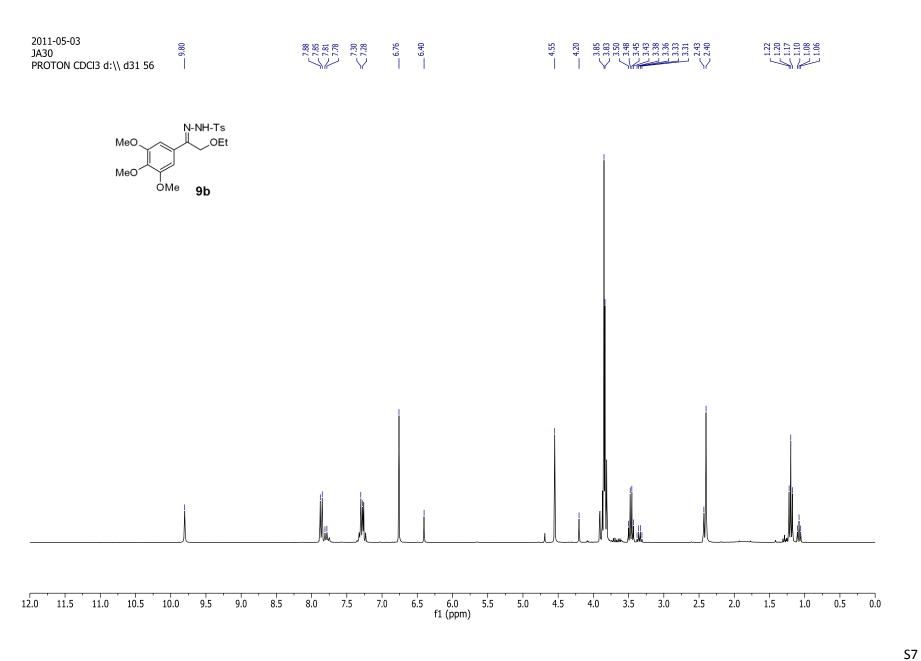
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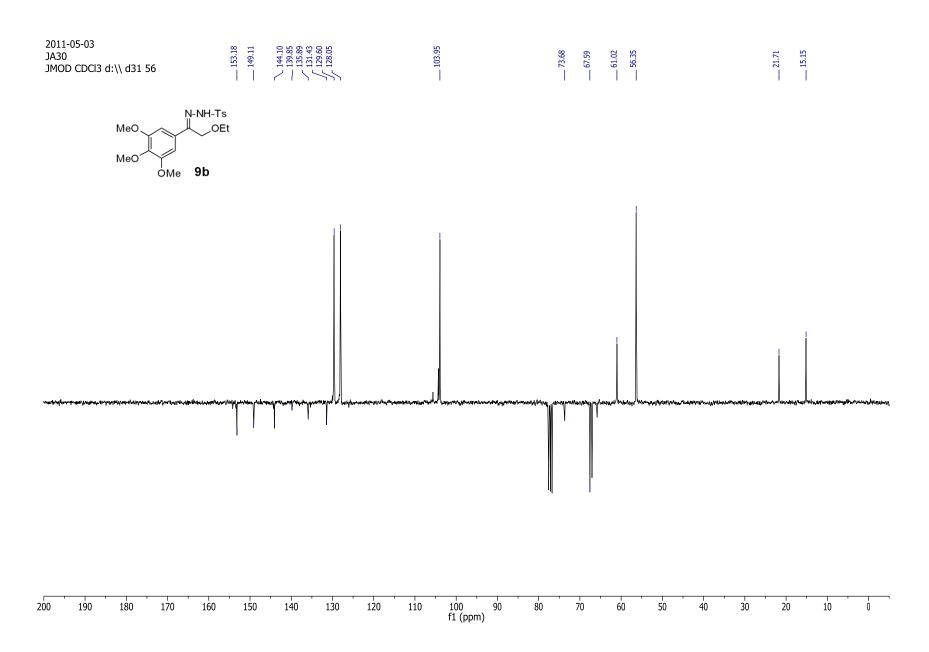
¹H NMR and ¹³C Spectra of hydrazones compounds

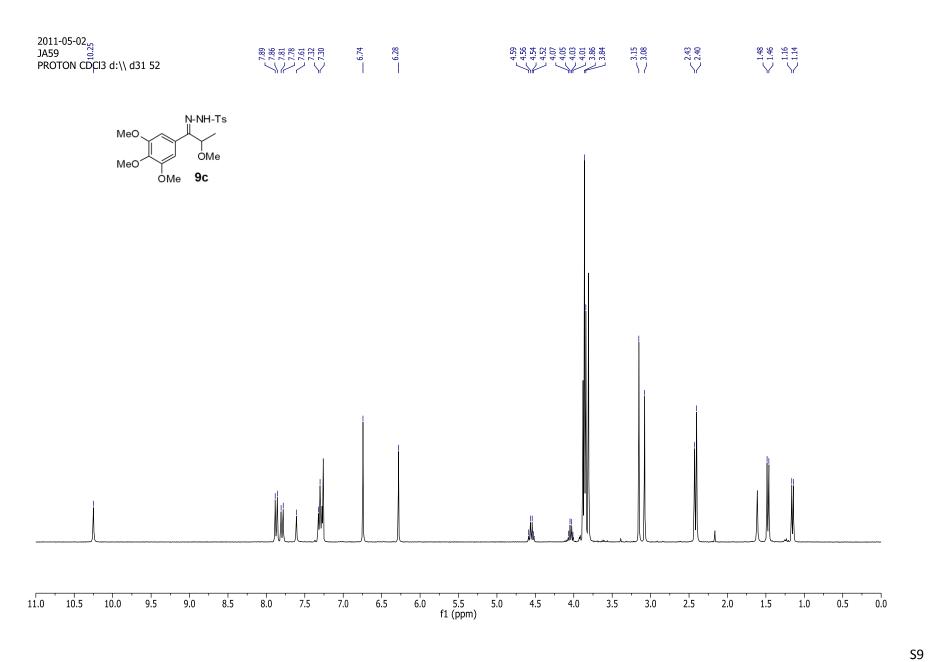


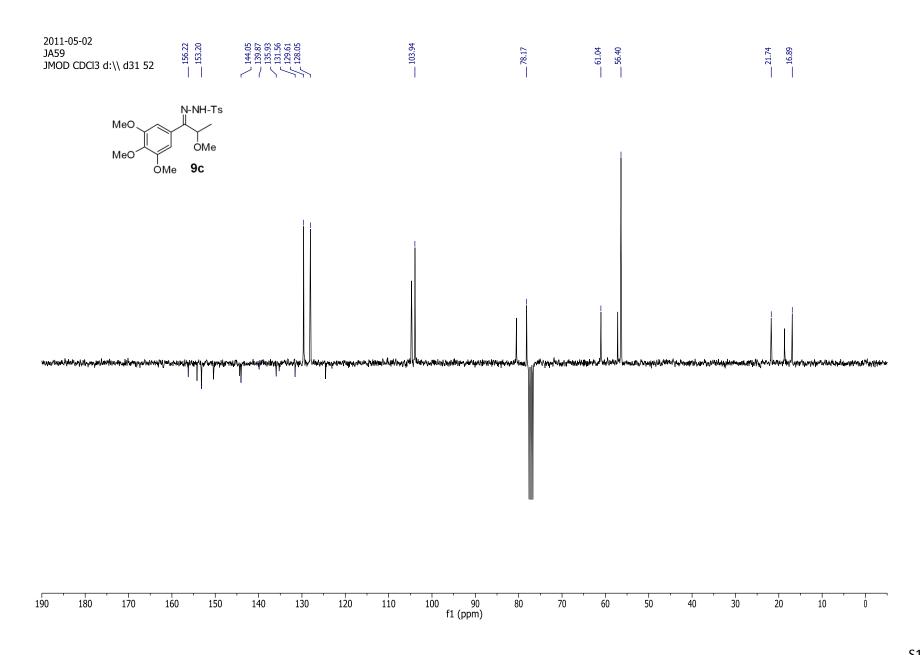












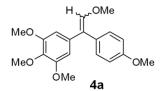
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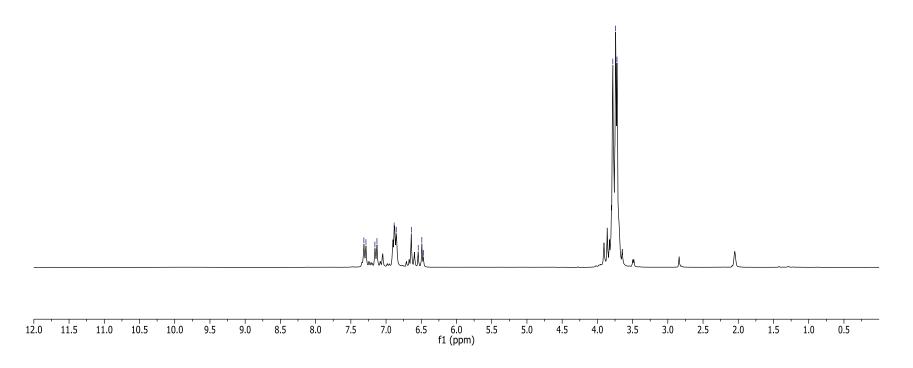
 $^{1}\text{H NMR}$ and $^{13}\text{C Spectra}$ of Tri- and Tetrasbtituted Olefins

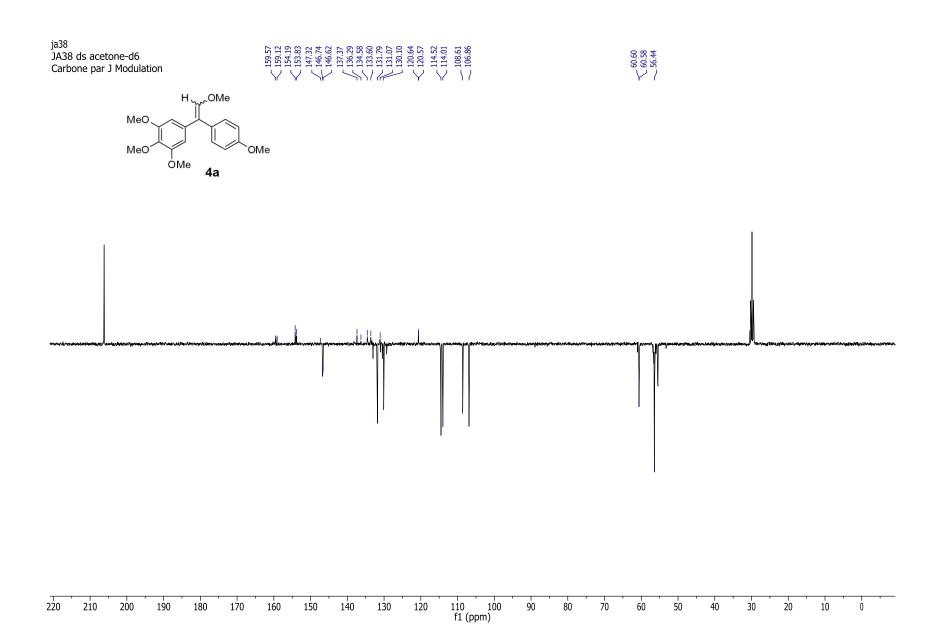
2011-02-24 JA38 P PROTON Acetone d:\\ d31 7

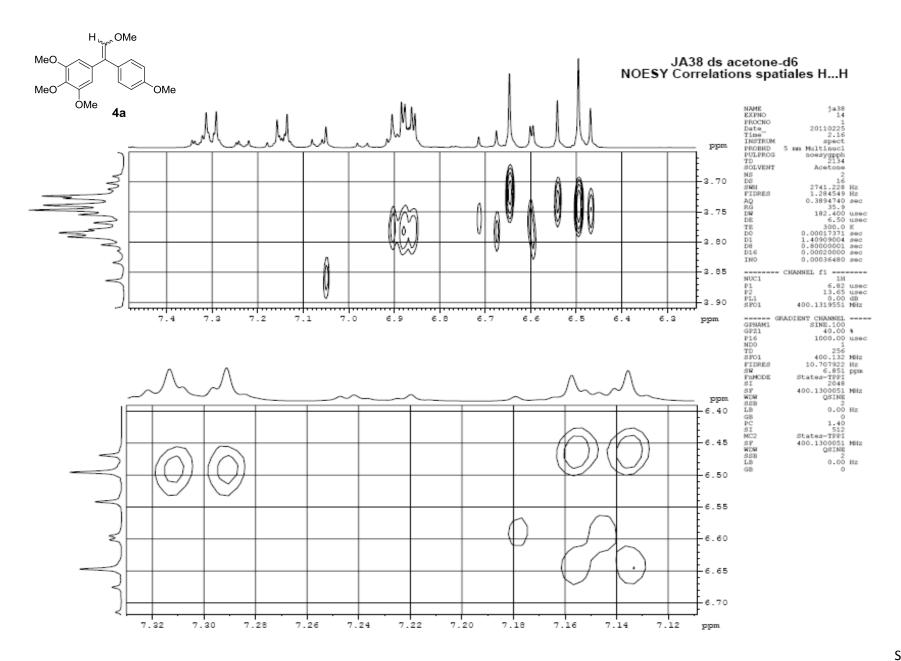


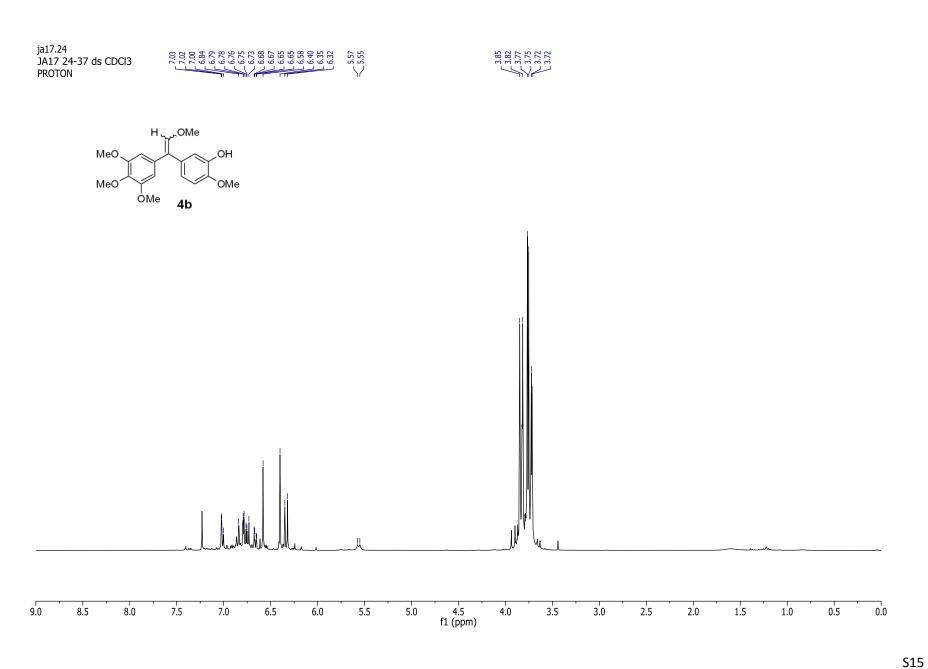
3.78











ja17.24 JA17 24-37 ds CDCl3 Carbone par J Modulation



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61.00 \\
60.63 \\
56.25 \\
\hline
56.19 \\
56.10
\end{array}$

