

# Supplementary Materials: 5-(5-Bromo-2-hydroxy-3-methoxyphenyl)-7-methyl-4,5,6,7-tetrahydro[1,2,4]triazolo[1,5-*a*]pyrimidin-7-ol

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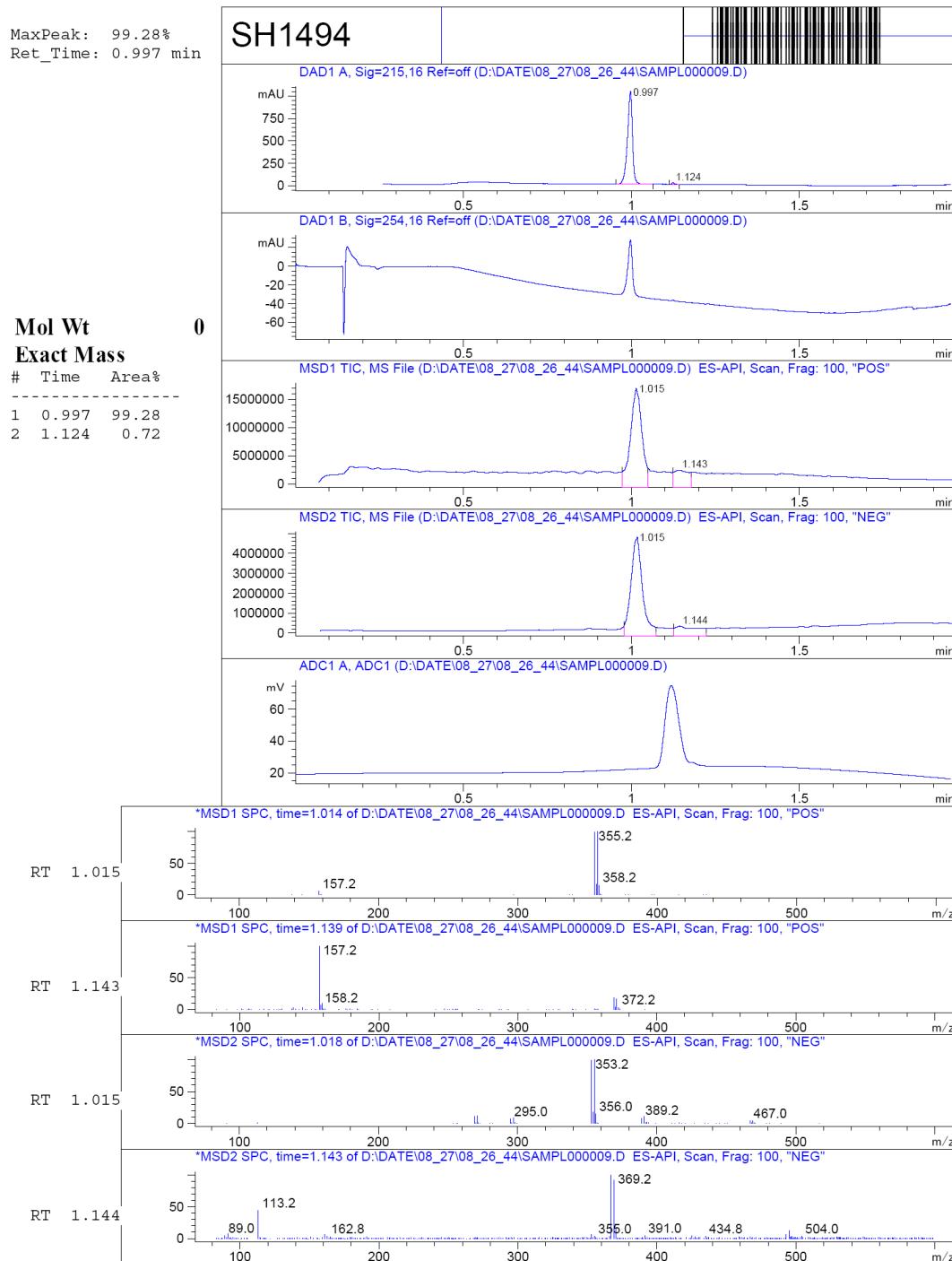
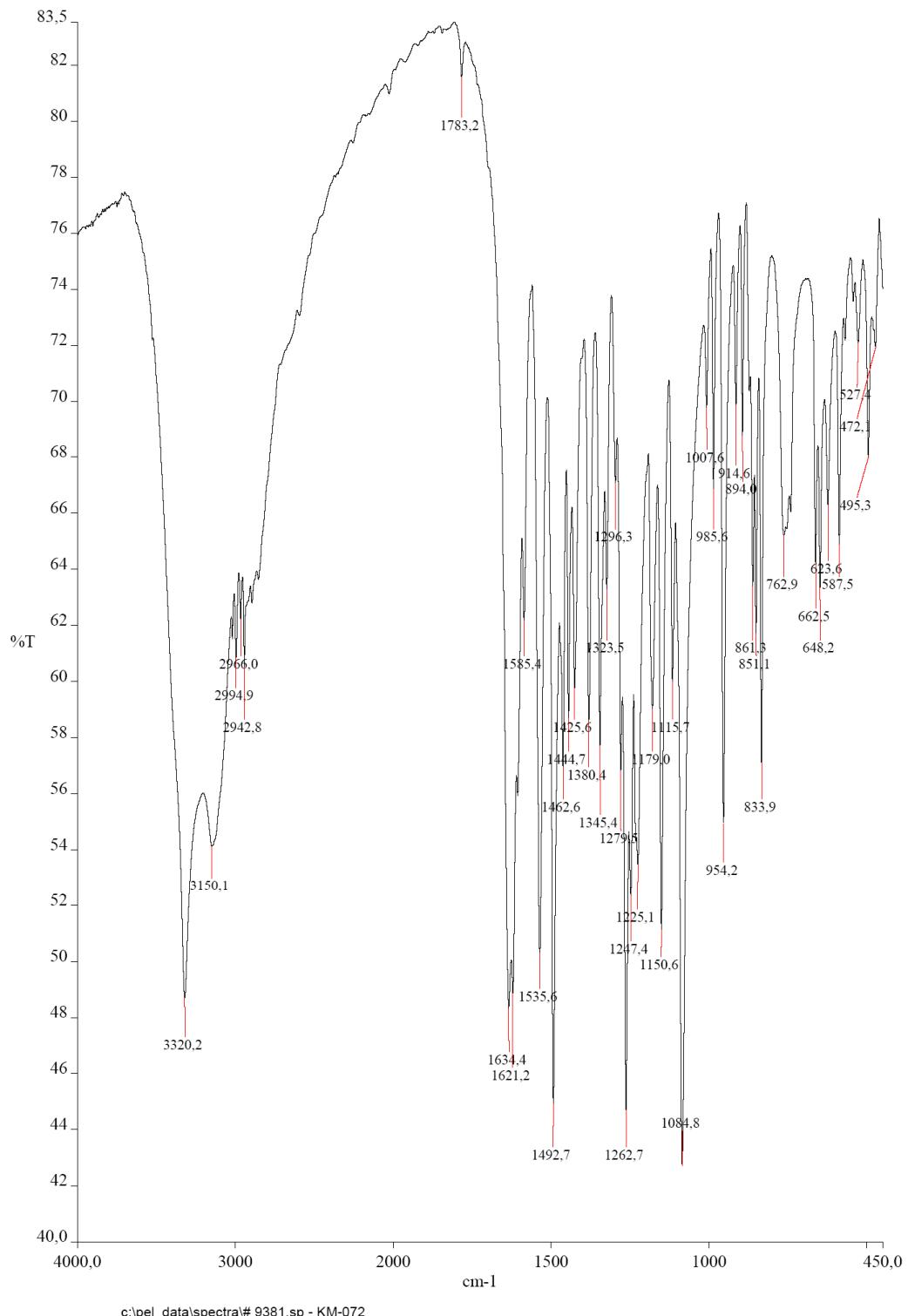
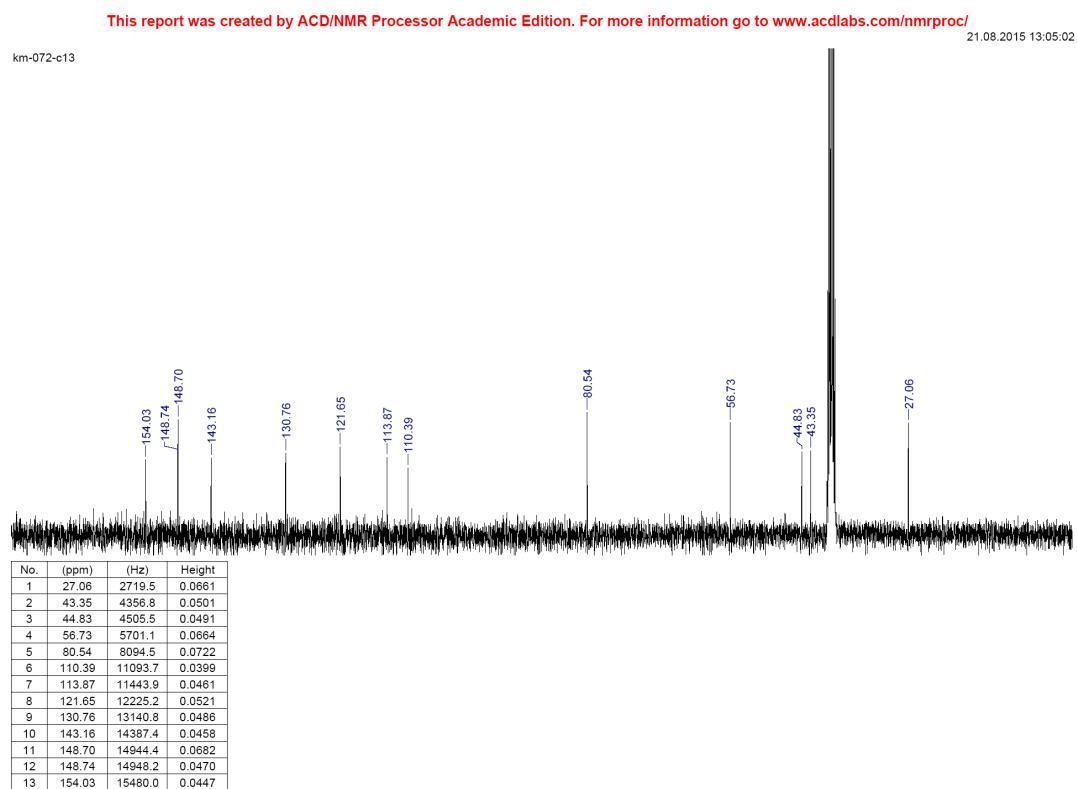
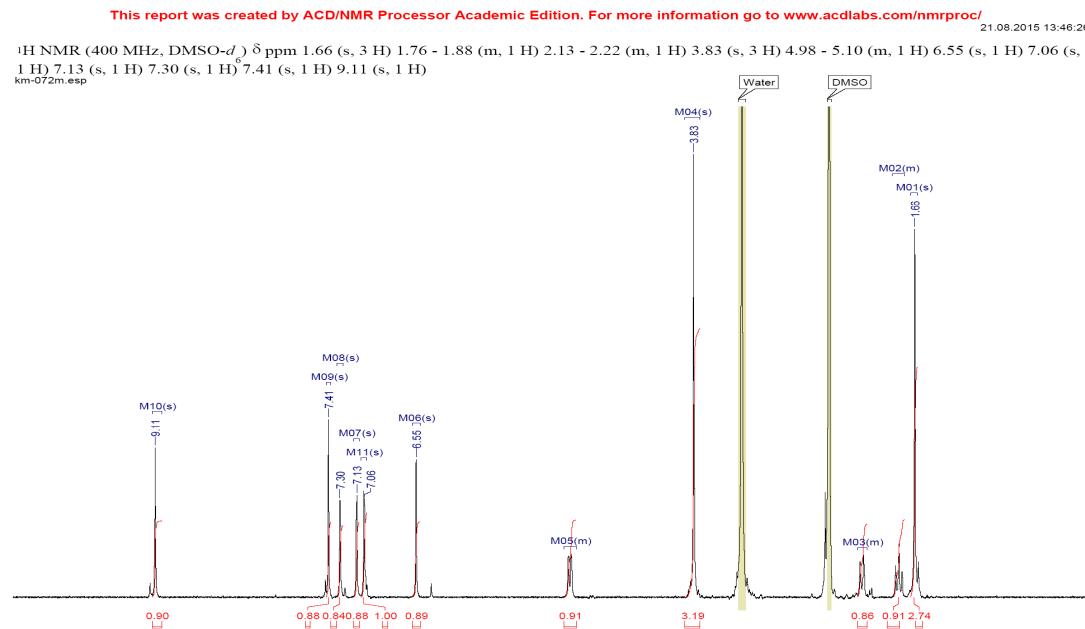


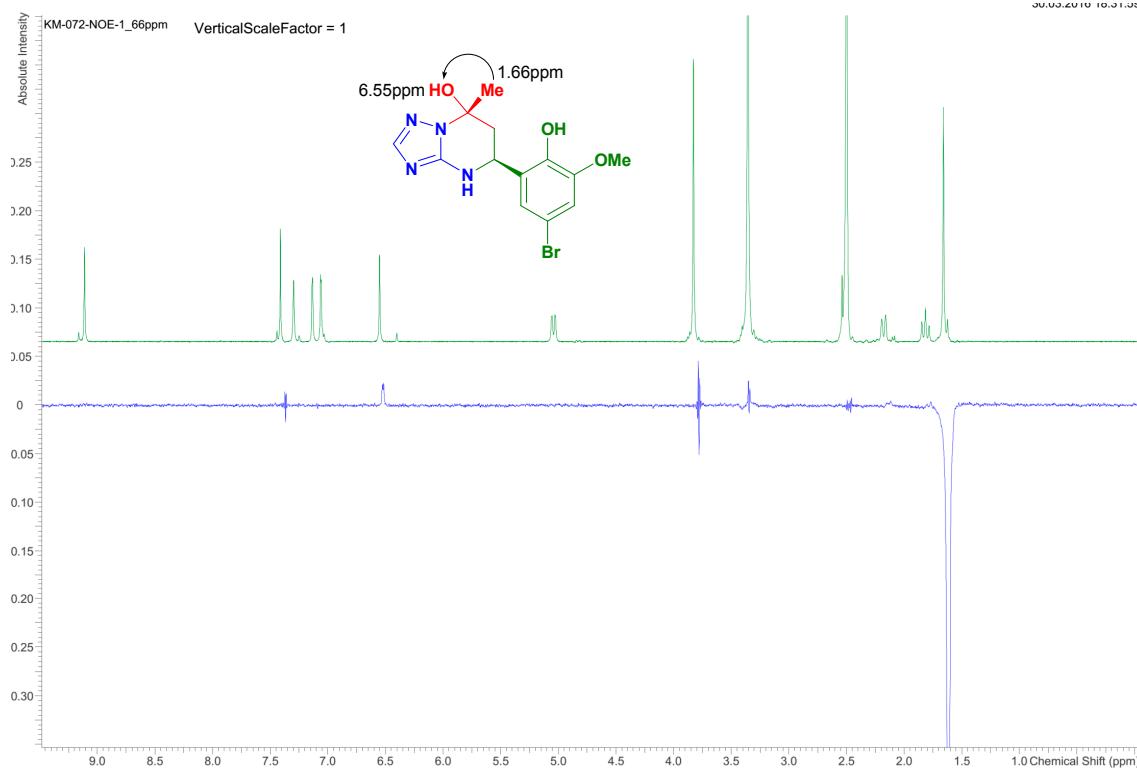
Figure S1. LC-MS Analysis data for 5d.



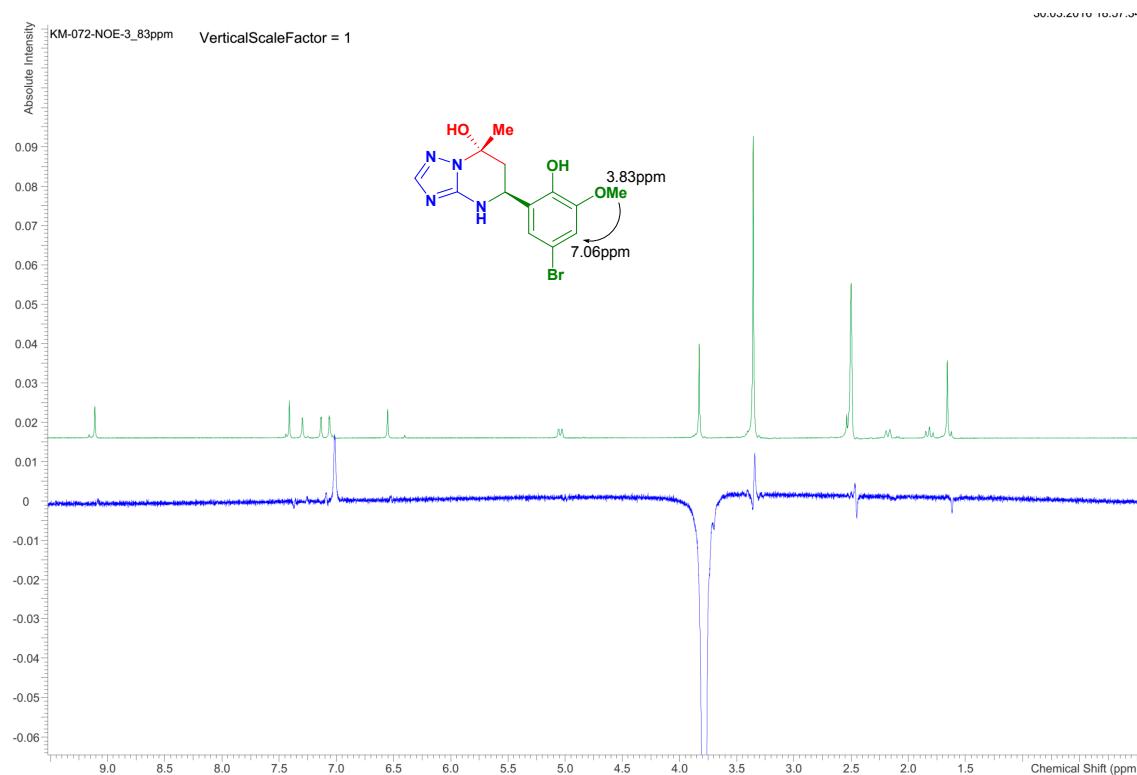
**Figure S2.** Spectrum IR (KBr) of **5d**.



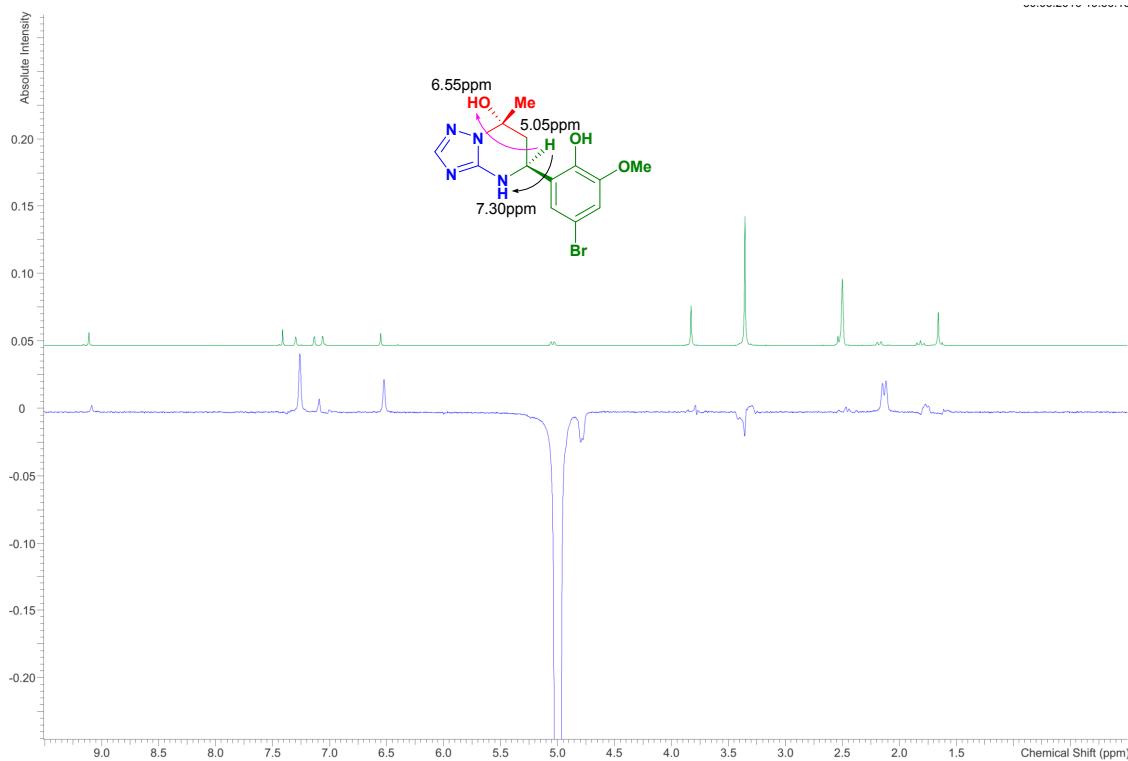
**Figure S3.** <sup>1</sup>H-NMR and <sup>13</sup>C NMR spectra (DMSO-*d*<sub>6</sub>) of **5d**.



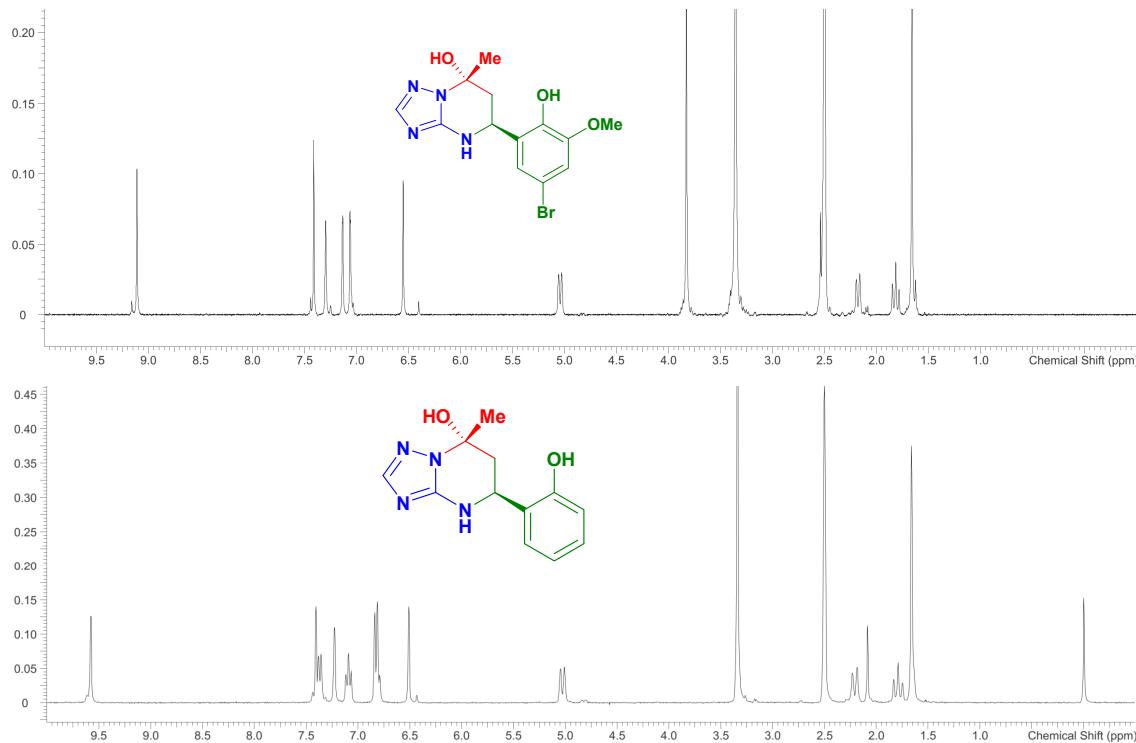
**Figure S4.** NOE Experiment (irradiation at 1.66 ppm) compared with  $^1\text{H}$ -NMR ( $\text{DMSO}-d_6$ ) for **5d**.



**Figure S5.** NOE Experiment (irradiation at 3.83 ppm) compared with  $^1\text{H}$ -NMR ( $\text{DMSO}-d_6$ ) for **5d**.



**Figure S6.** NOE Experiment (irradiation at 5.05 ppm) compared with  $^1\text{H}$ -NMR (DMSO- $d_6$ ) for **5d**.



**Figure S7.** Comparison of  $^1\text{H}$ -NMR spectra (DMSO- $d_6$ ) of compound **5a** (below) and **5d** (above).