



9.17 9.00 8.83 8.67 8.50 8.33 8.17 8.00 7.83 7.67 7.50 7.33 7.17  
ppm (t1)

0.98 2.00 1.03 1.02 1.01 1.06 1.05

9.0 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0  
ppm (t1)

400 MHz <sup>1</sup>H NMR of 3-vinylquinoline in CDCl<sub>3</sub> at ambient temperature