## **Supporting Information for**

## Synthesis, Characterization, and Carbonic Anhydrase Inhibitory Properties of Silver(I) Complexes of Benzimidazole Derivatives

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Figure S1. <sup>1</sup>H and <sup>13</sup>C NMR spectra of 1.



Figure S2. LC-MS spectrum of 1.



Figure S3. IR spectrum of 1.



Figure S4. <sup>1</sup>H and <sup>13</sup>C NMR spectra of 2.







Figure S6. IR spectrum of 2.



Figure S7. <sup>1</sup>H ad <sup>13</sup>C NMR spectra of 3.







Figure S9. IR spectrum of 3.



Figure S10.  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of 4.







Figure S12. IR spectrum of 4.



Figure S13.  $^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of 5.



Figure S14. LC-MS spectrum of 5.



Figure S15. IR spectrum of 5.



Figure S16.  $^{1}$ H and  $^{13}$ C NMR spectra of **6**.







Figure S18. IR spectrum of 6.



Figure S19. Inhibition graphics for hCA I and II.