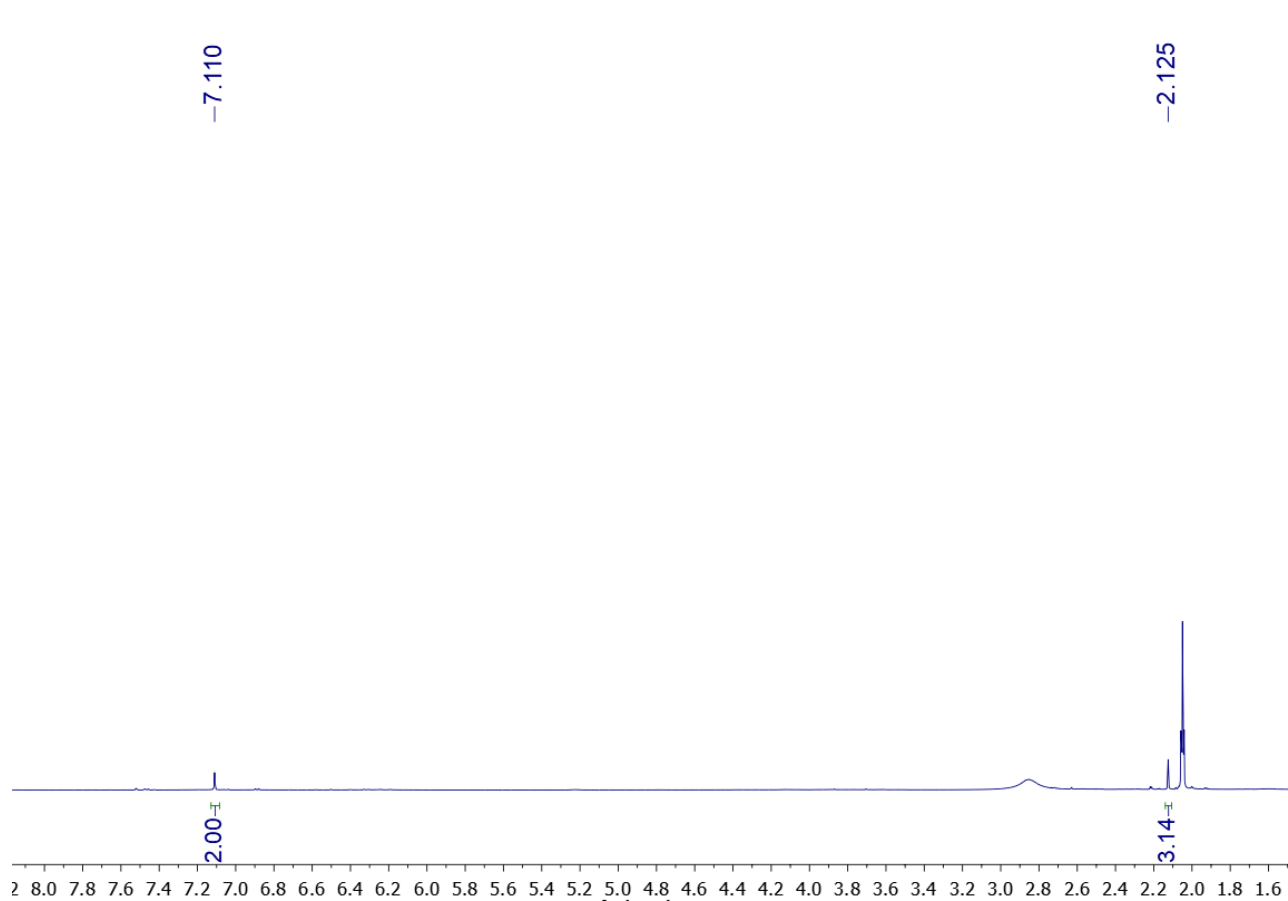
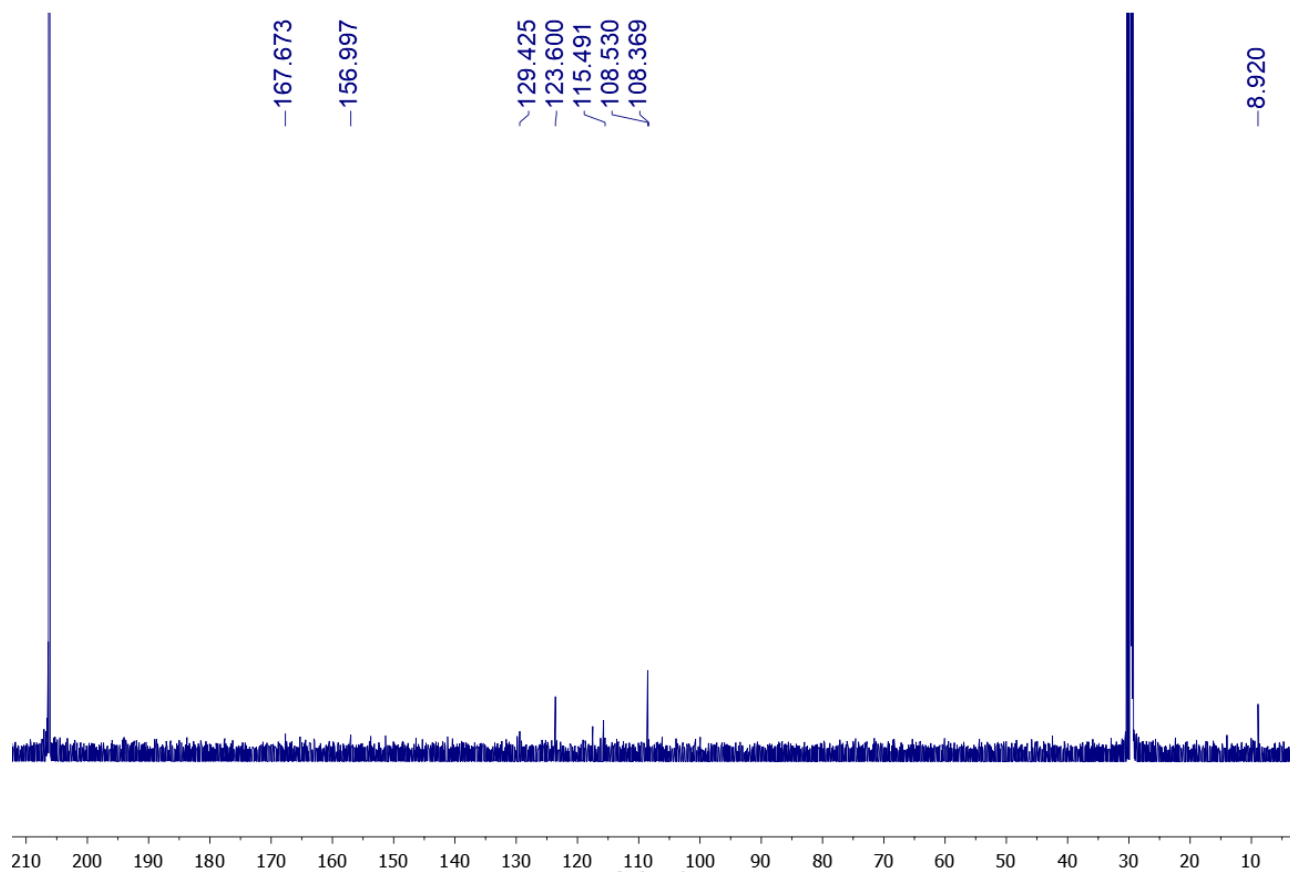


*Biological activities of lichen-derived monoaromatic compounds*



**Figure S1.** The <sup>1</sup>H NMR spectrum of **3** in acetone-*d*<sub>6</sub>.



**Figure S2.** The <sup>13</sup>C NMR spectrum of **3** in acetone-*d*<sub>6</sub>.

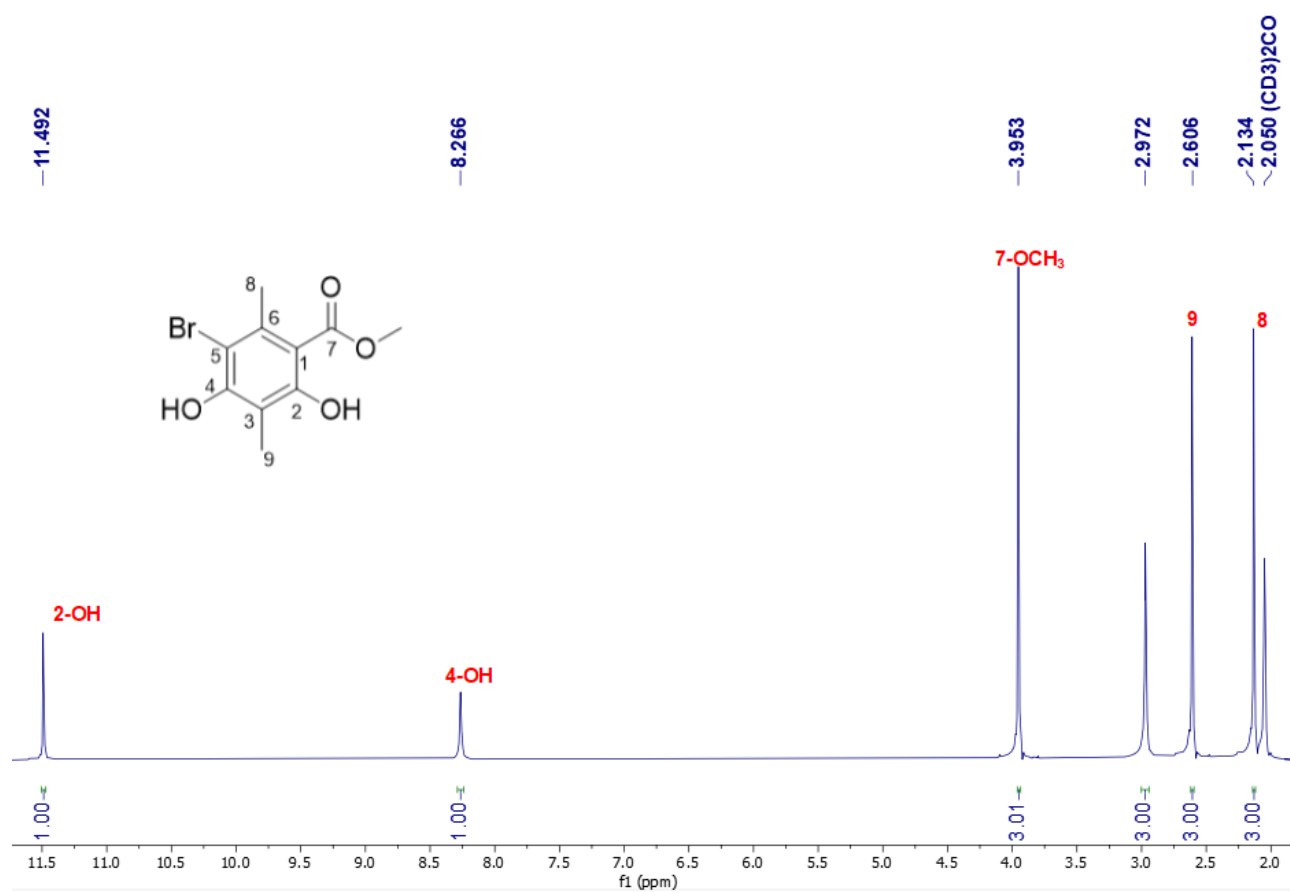
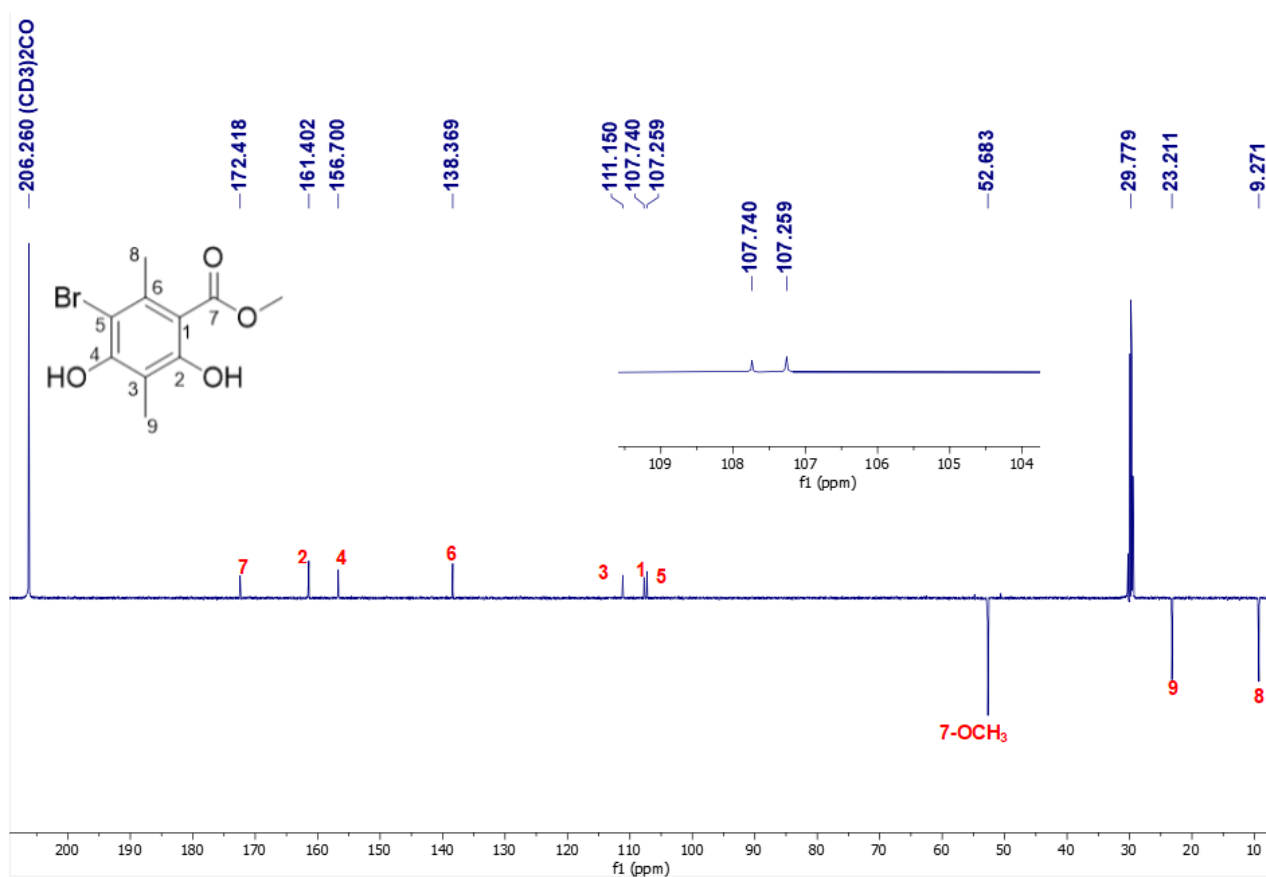
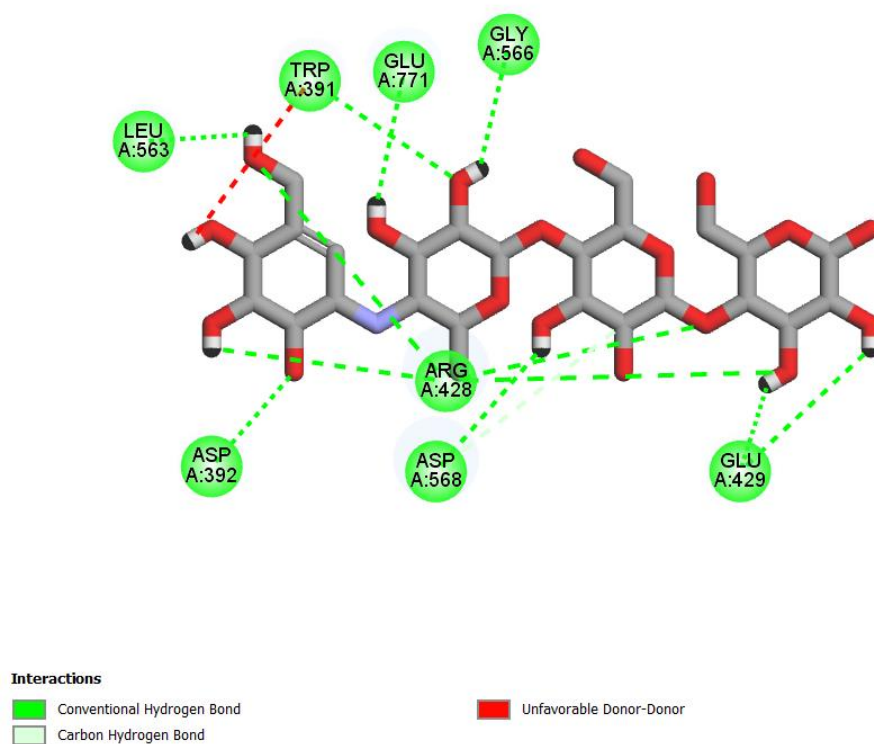


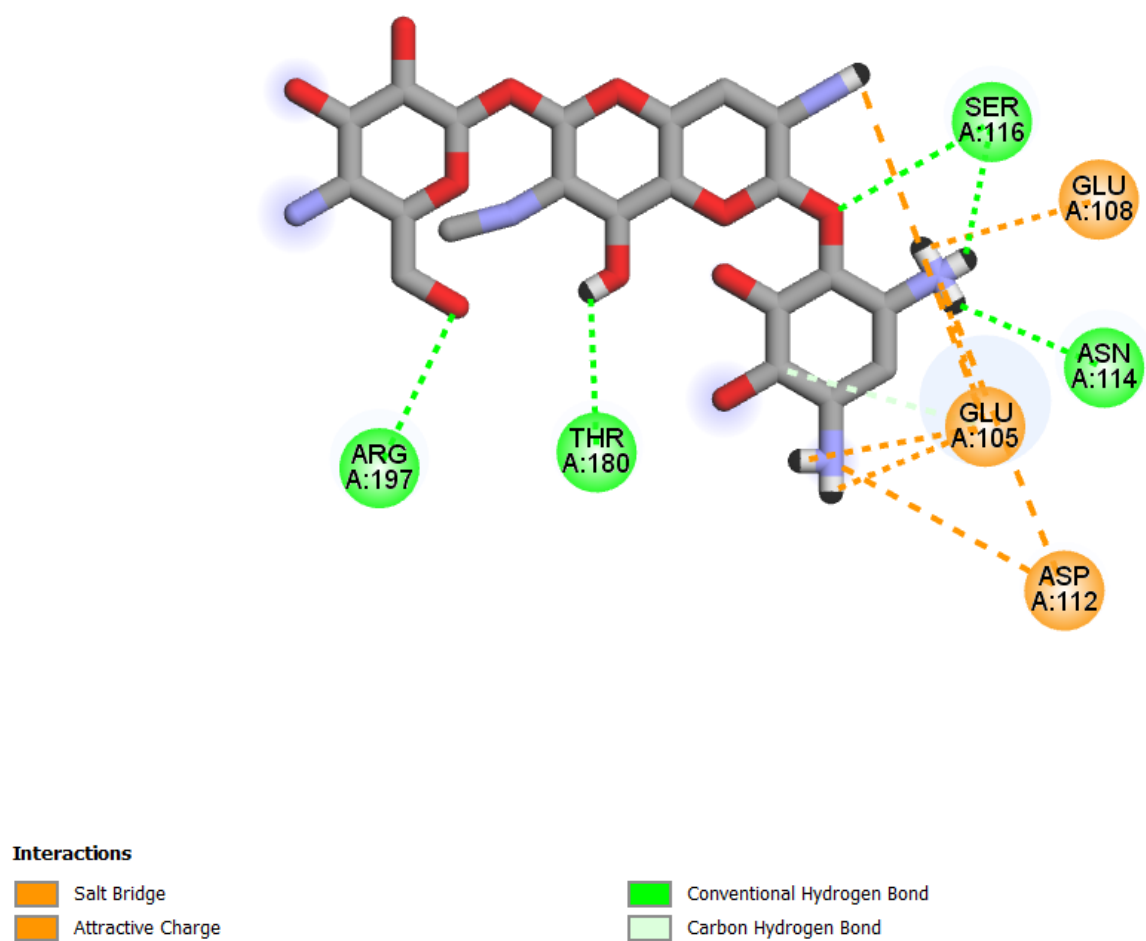
Figure S3. The  $^1\text{H}$  NMR spectrum of **9a** in acetone- $d_6$ .



**Figure S4.** The <sup>13</sup>C NMR spectrum of **9a** in acetone-*d*<sub>6</sub>.



**Figure S5.** 2D interaction diagram of compound acarbose-4j5t



**Figure S6.** 2D interaction diagram of apramycin-1t2p