

*Supplementary Information*

$\alpha$ -Glucosidase inhibition properties of novel azaphthalocyanines  
containing vanillin

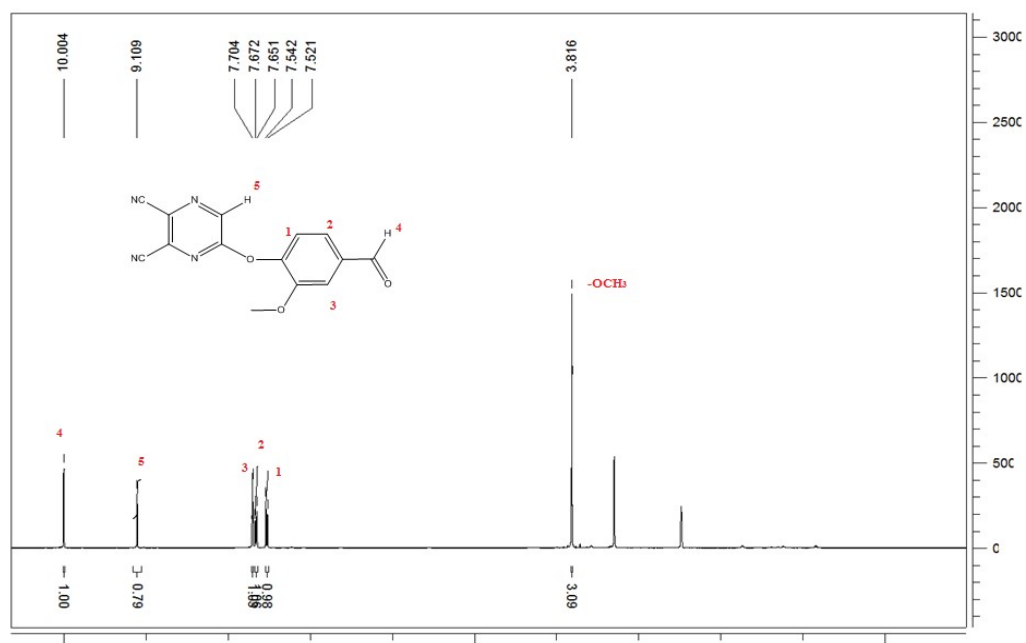
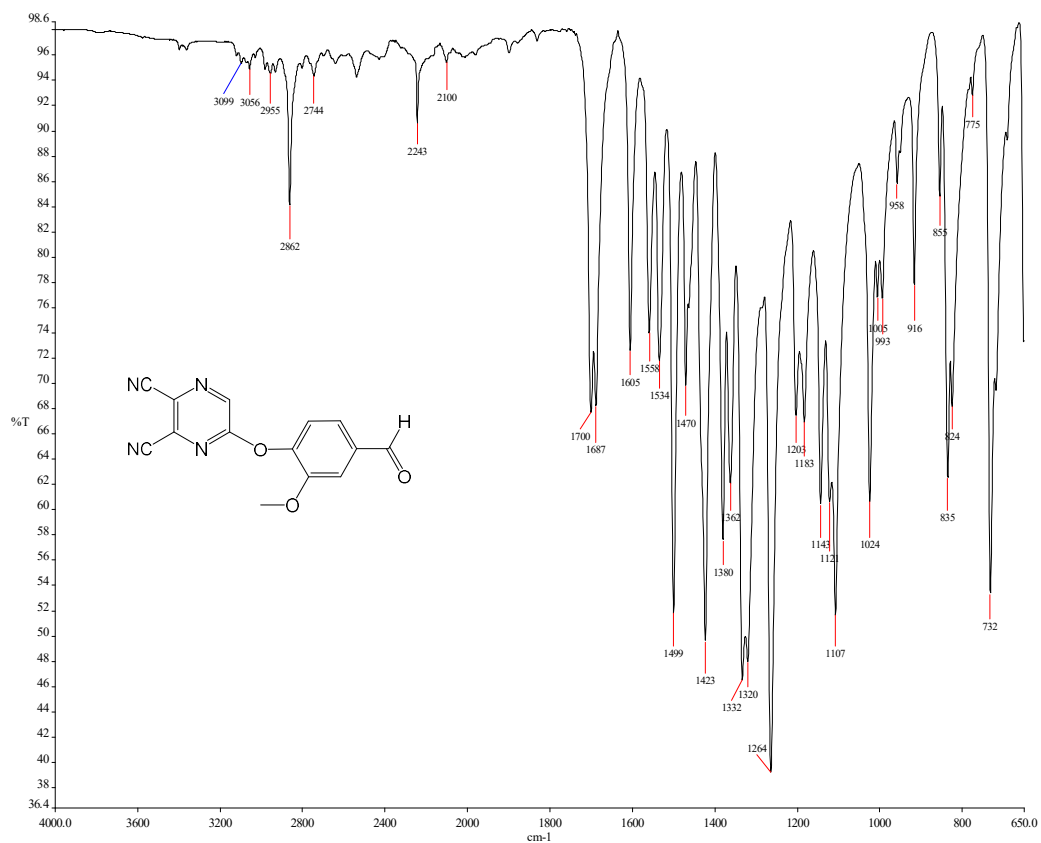
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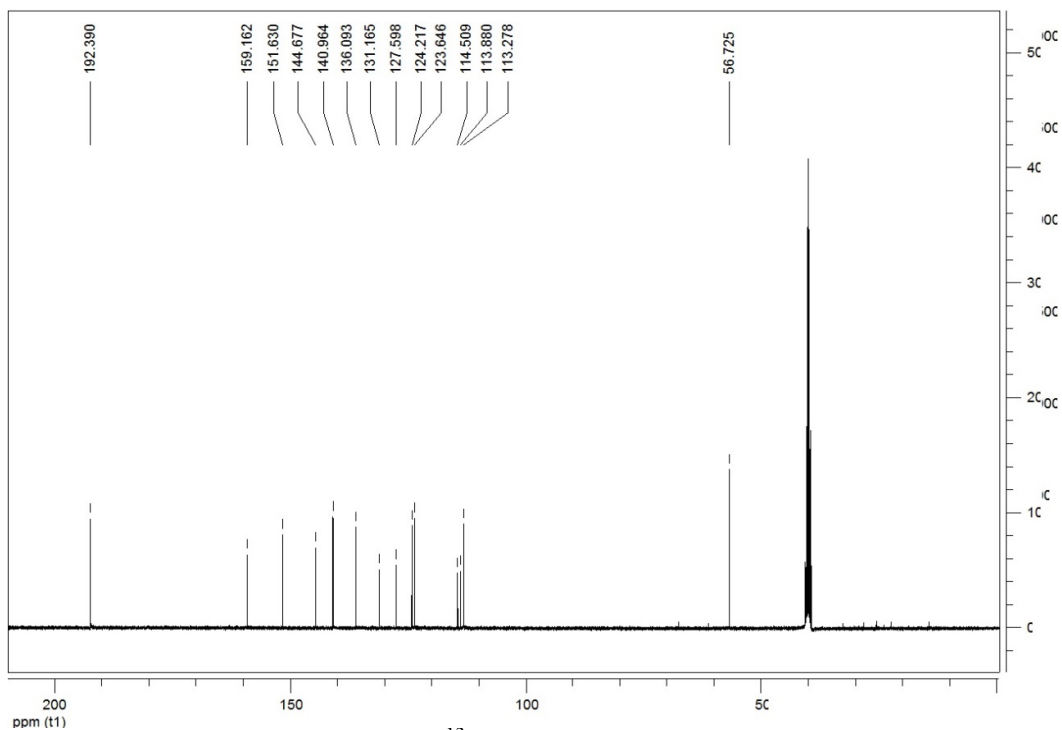
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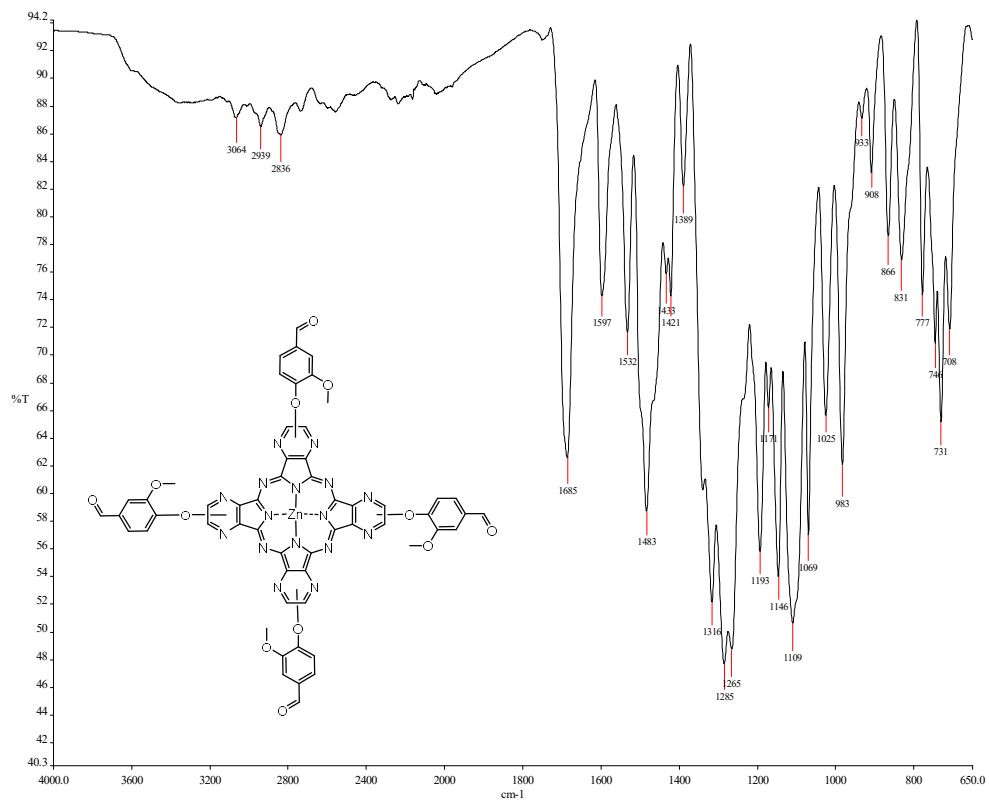
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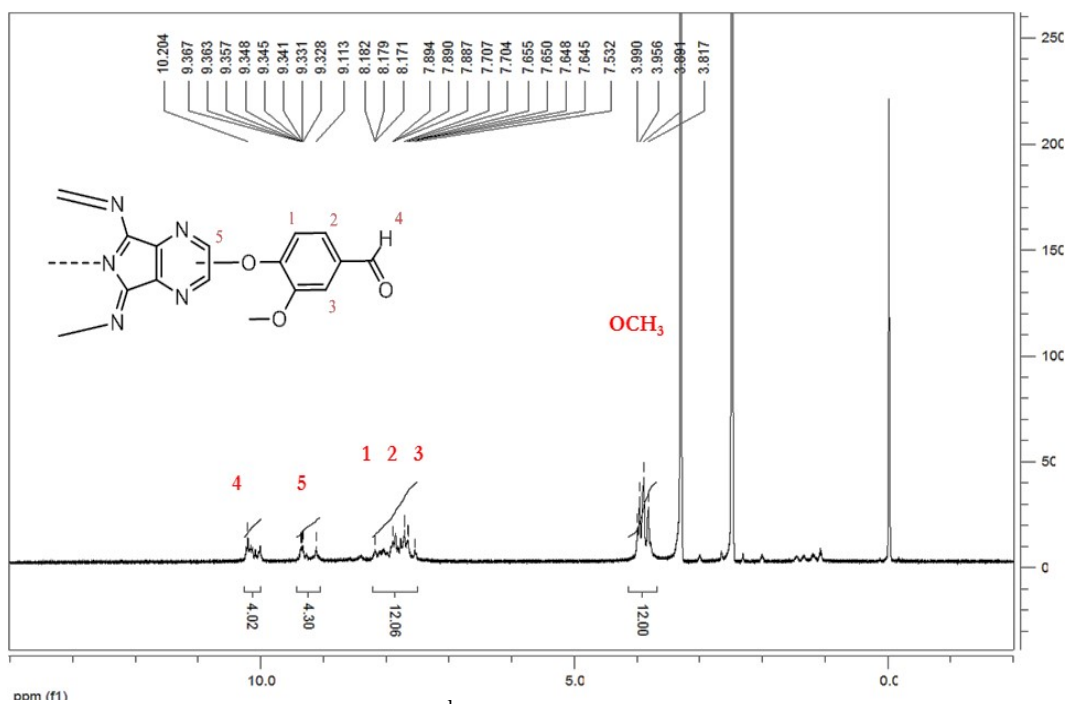




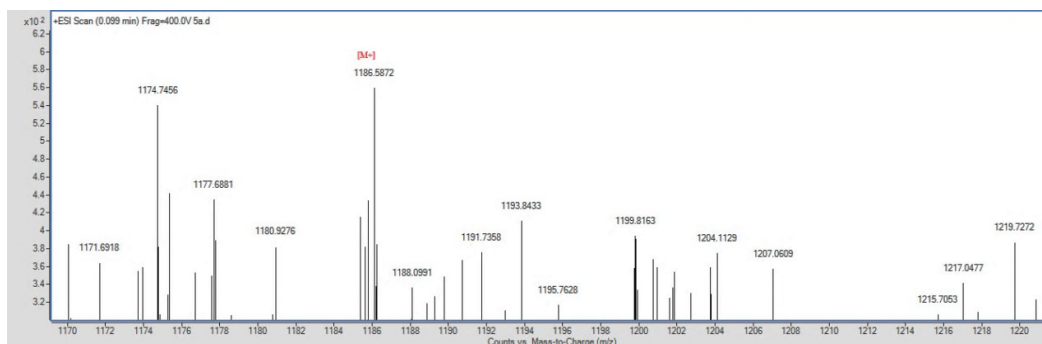
Supporting figure 3.  $^{13}\text{C}$  NMR spectrum of compound 1



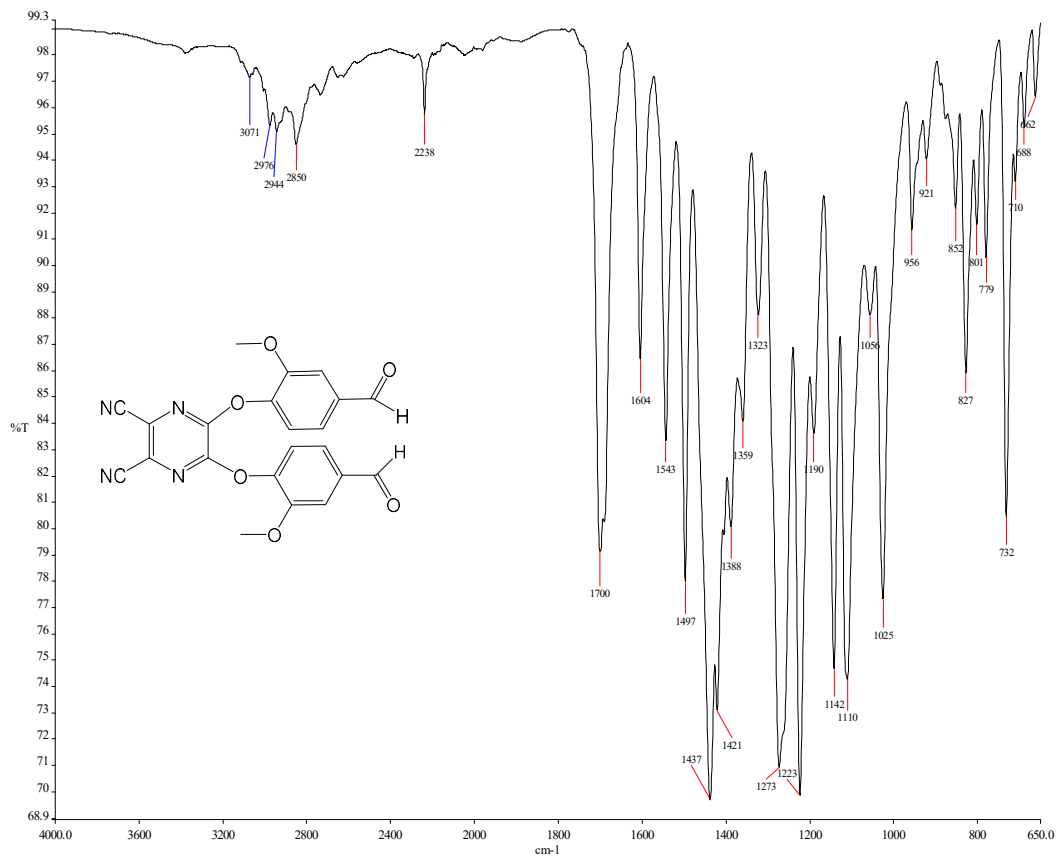
Supporting figure 4. FT-IR spectrum of compound 1a



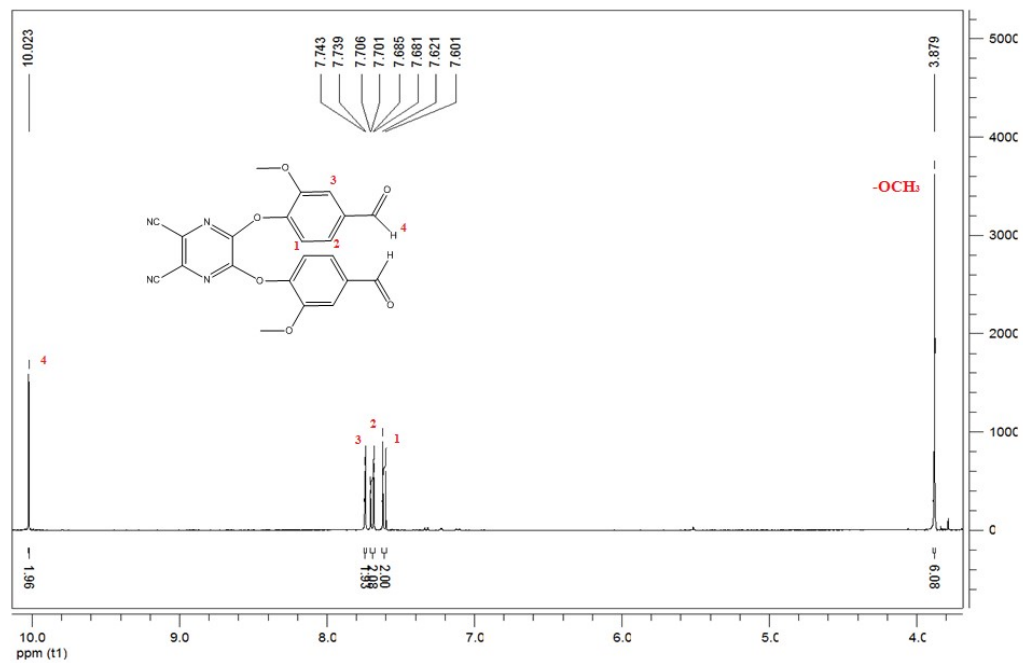
Supporting figure 5. <sup>1</sup>H NMR spectrum of compound 1a



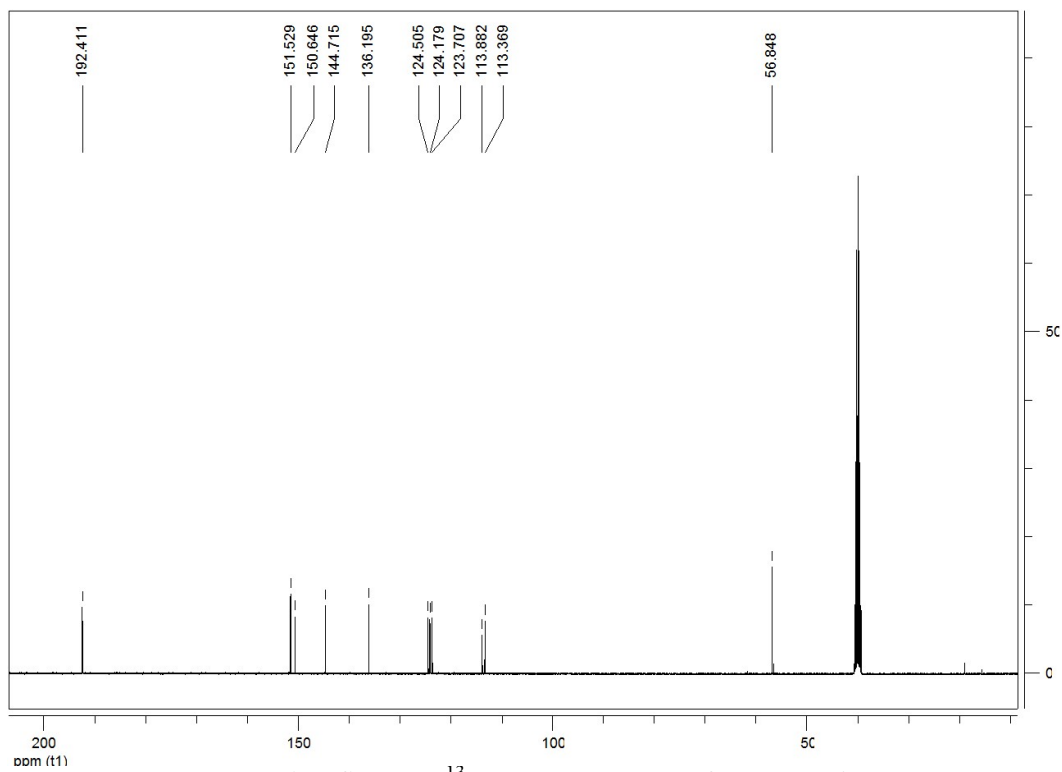
Supporting figure 6. Mass spectrum of compound 1a



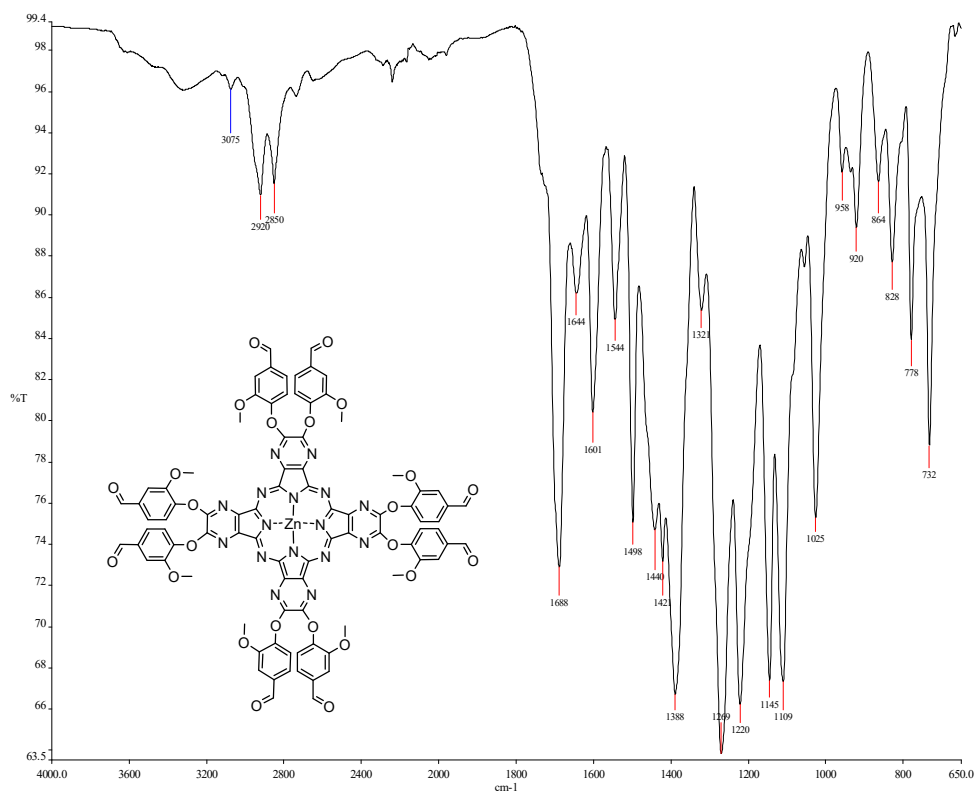
Supporting figure 7. FT-IR spectrum of compound 2



Supporting figure 8. <sup>1</sup>H NMR spectrum of compound 2



Supporting figure 9.  $^{13}\text{C}$  NMR spectrum of compound 2



Supporting figure 10. FT-IR spectrum of compound 2a

