

Supplementary Material

Palladium-catalyzed intramolecular arylation for the synthesis of tetrahydro-5H-benzo[6,7]azocino[5,4-*b*]indol-5-ones

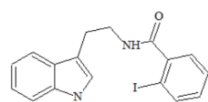
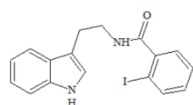
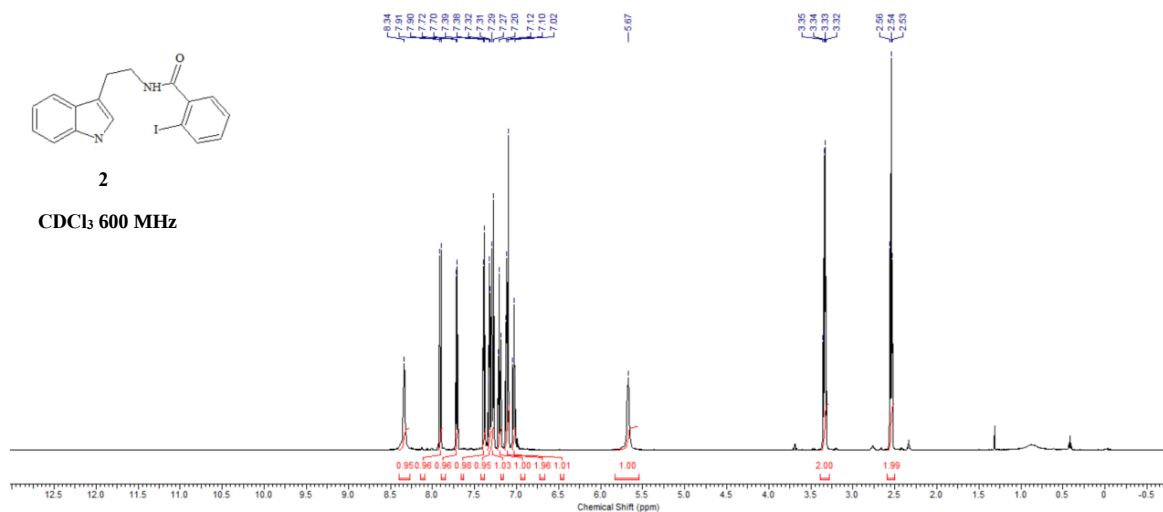
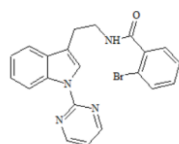
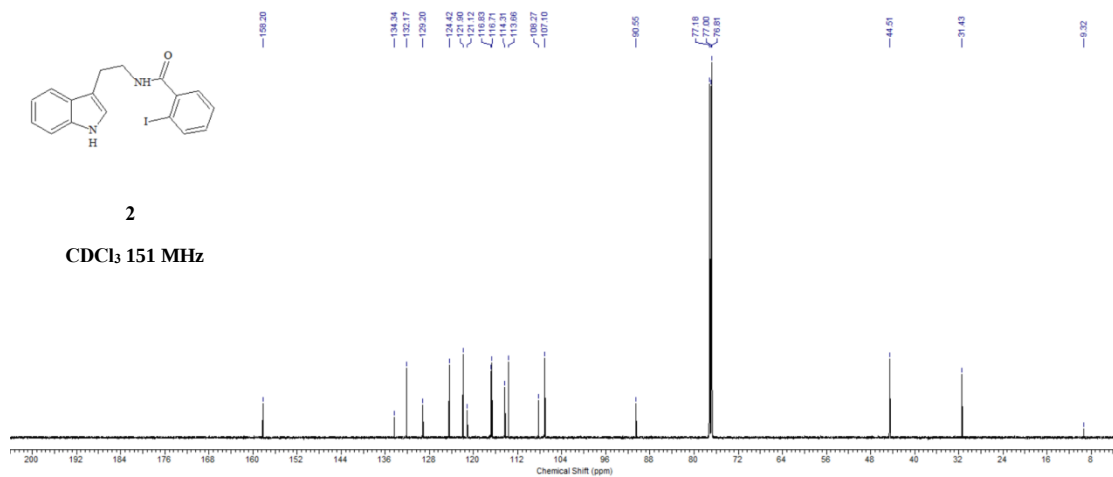
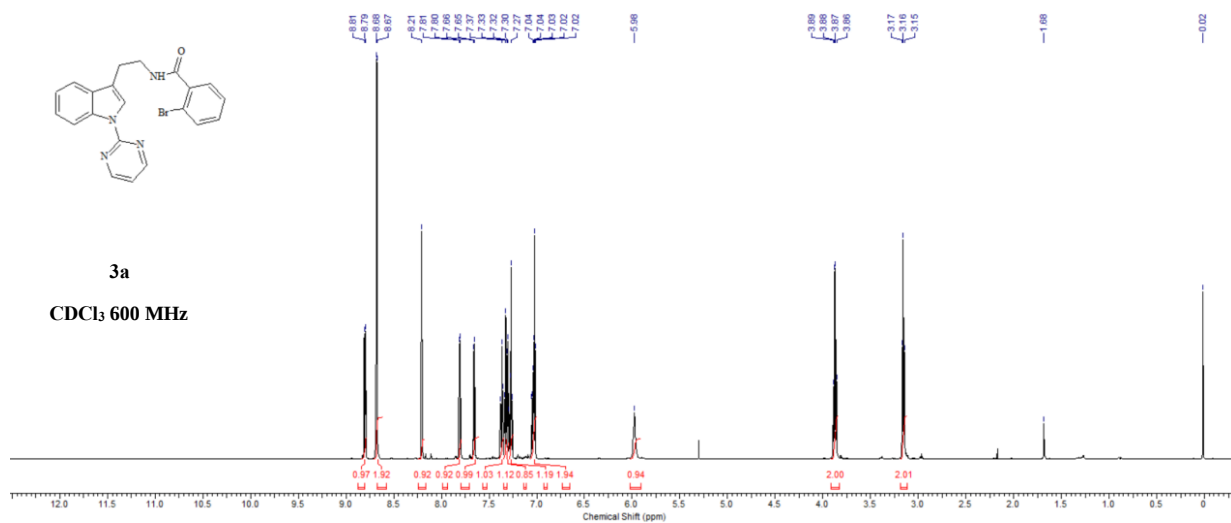
Y. Jian , R. Ding, K-Z. Han, L. Duan, F. Li and M. Xu*

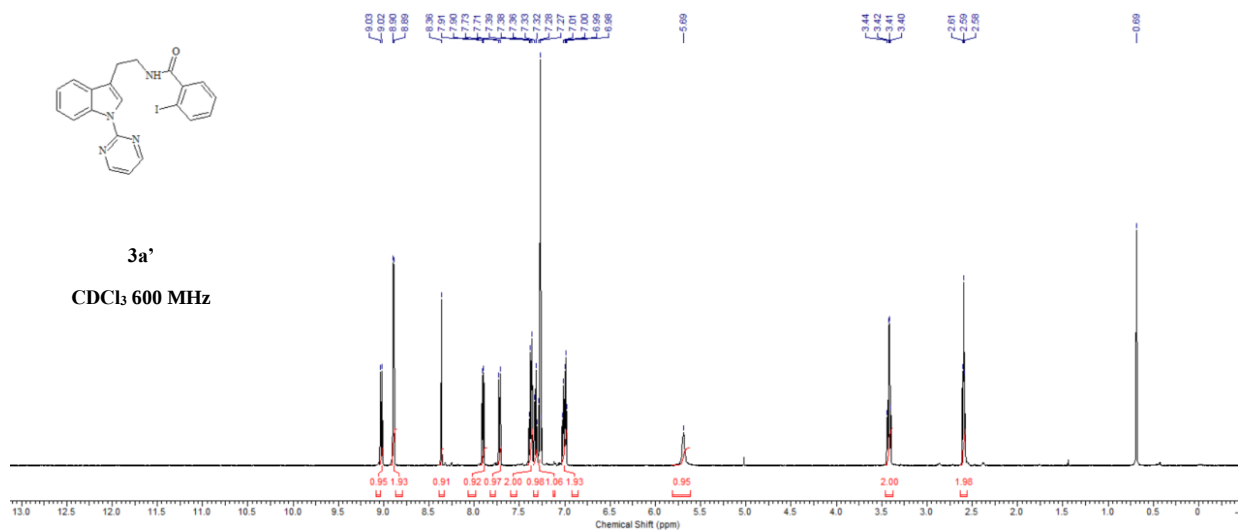
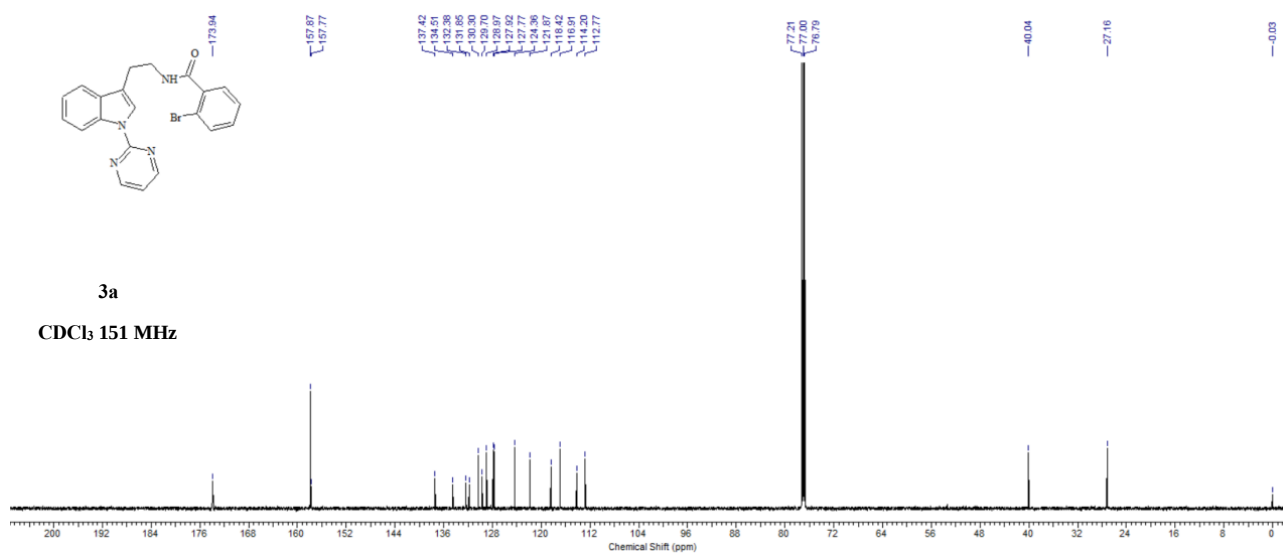
*State Key Laboratory of Functions and Applications of Medicinal Plants, Guizhou Medical University, Guiyang
550014, PR China*

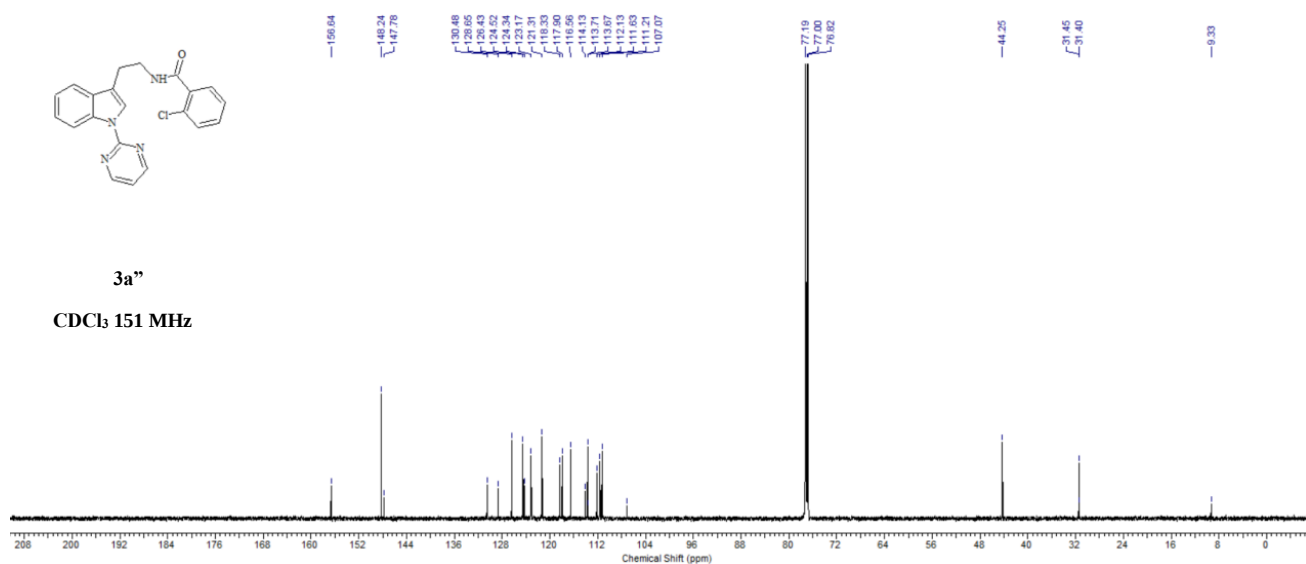
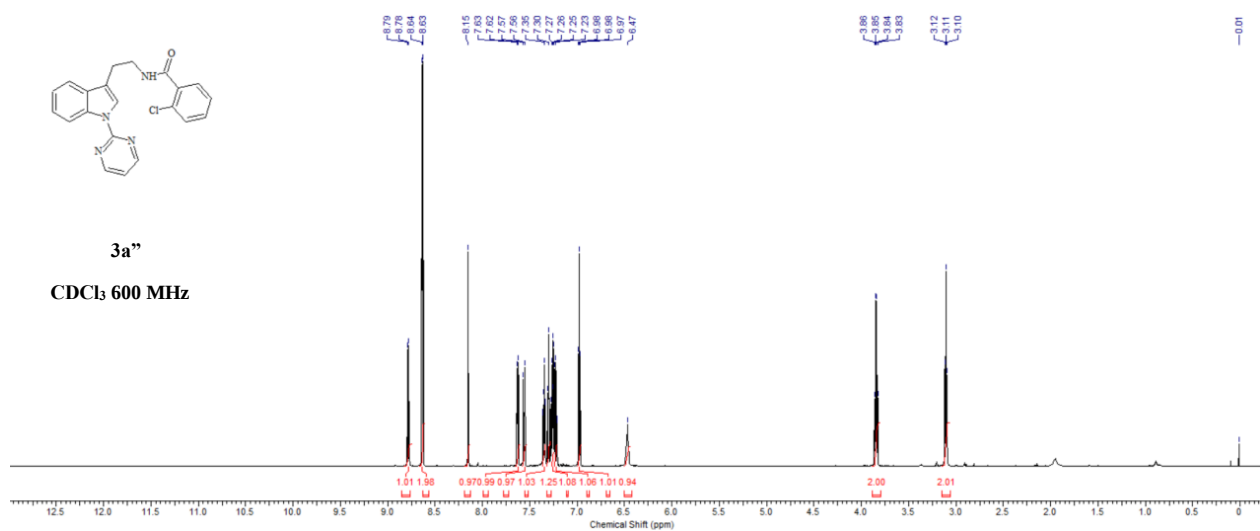
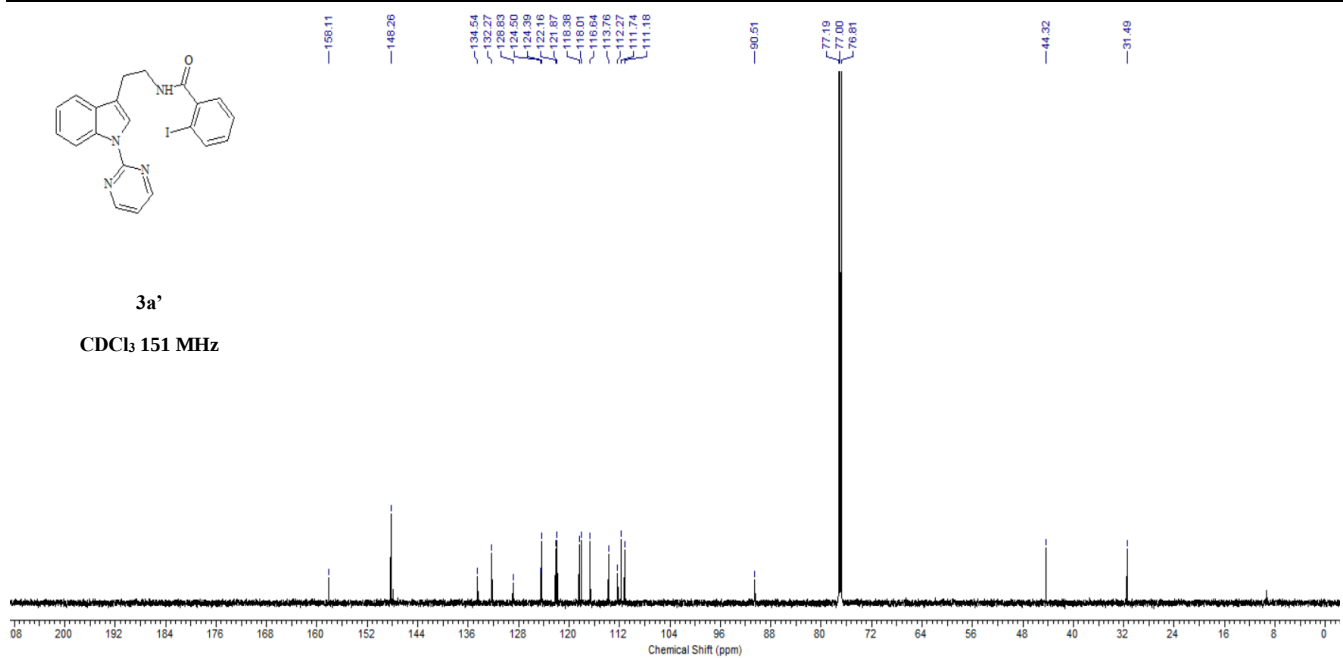
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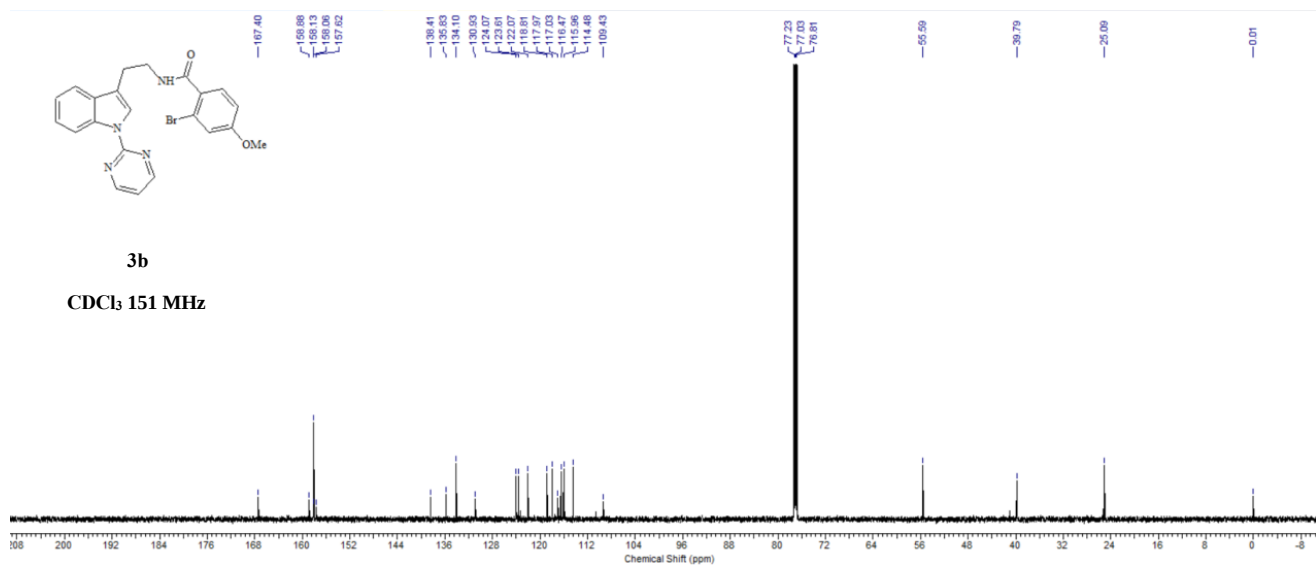
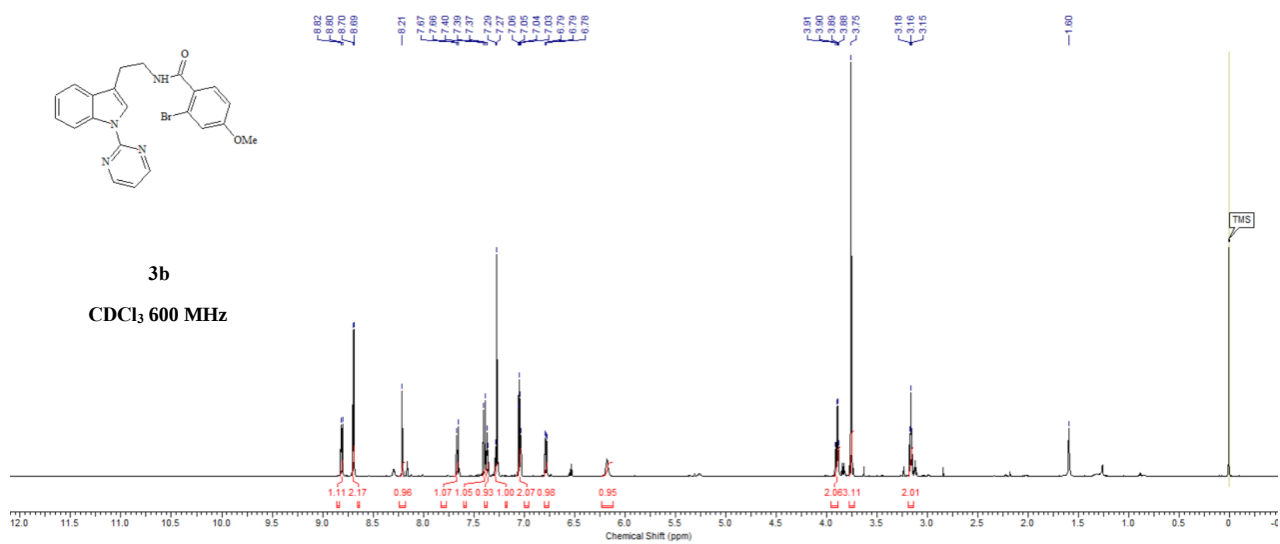
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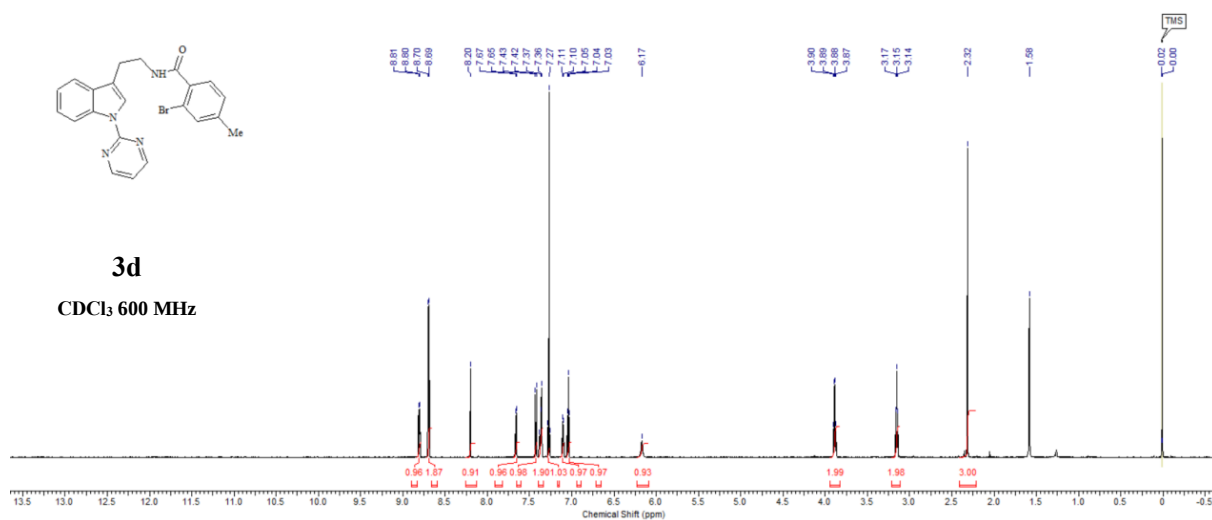
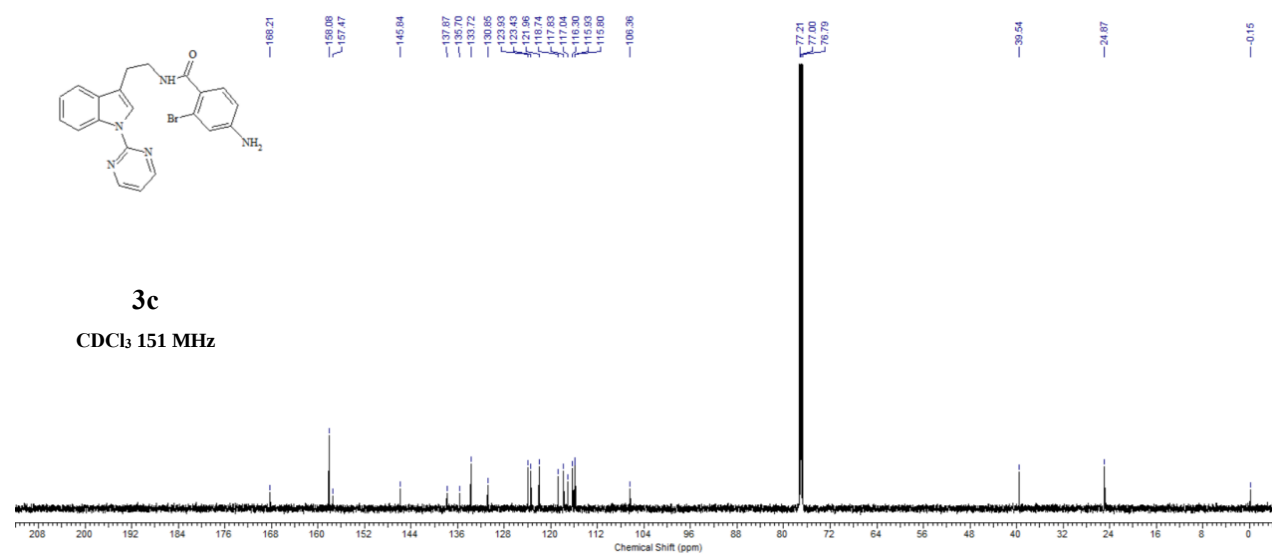
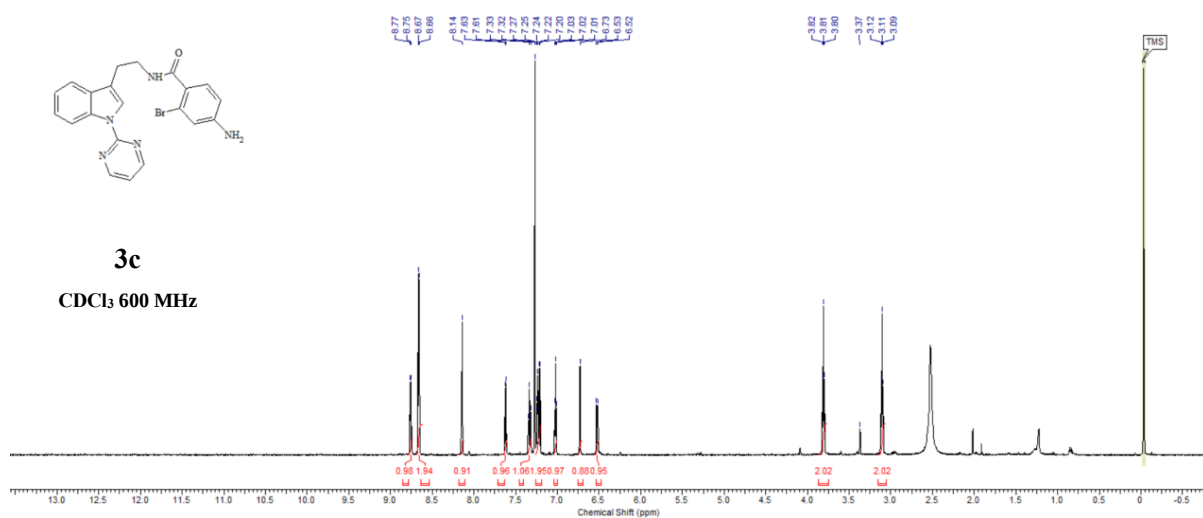
NMR Spectra for Compounds 2 , 3 , 9 , 5 , 7 , 4 , 6 , 10 and 1	S2
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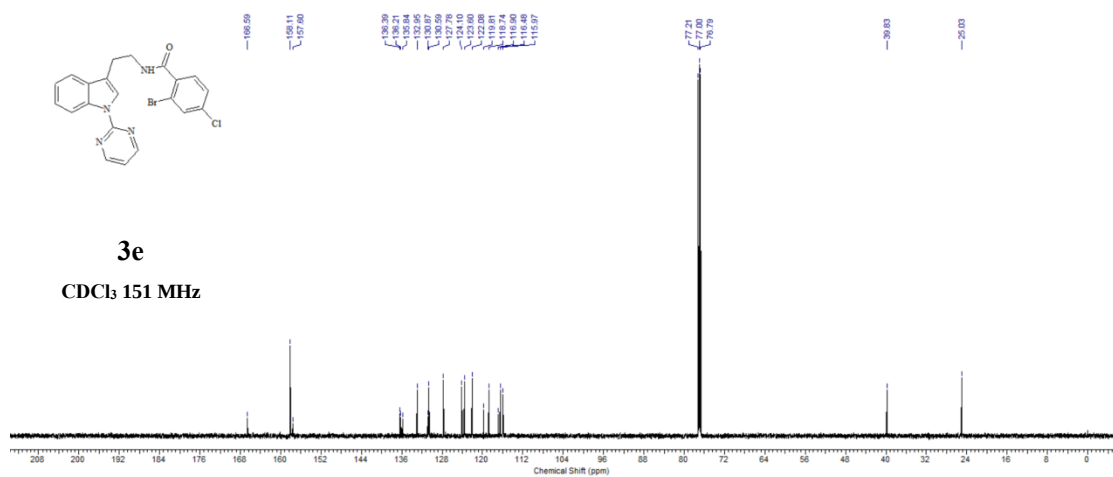
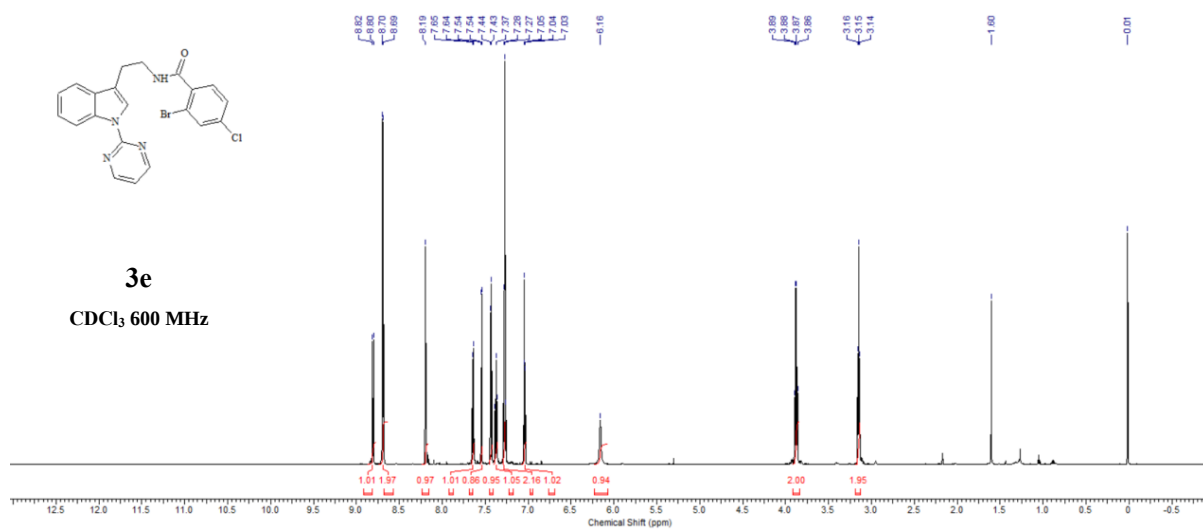
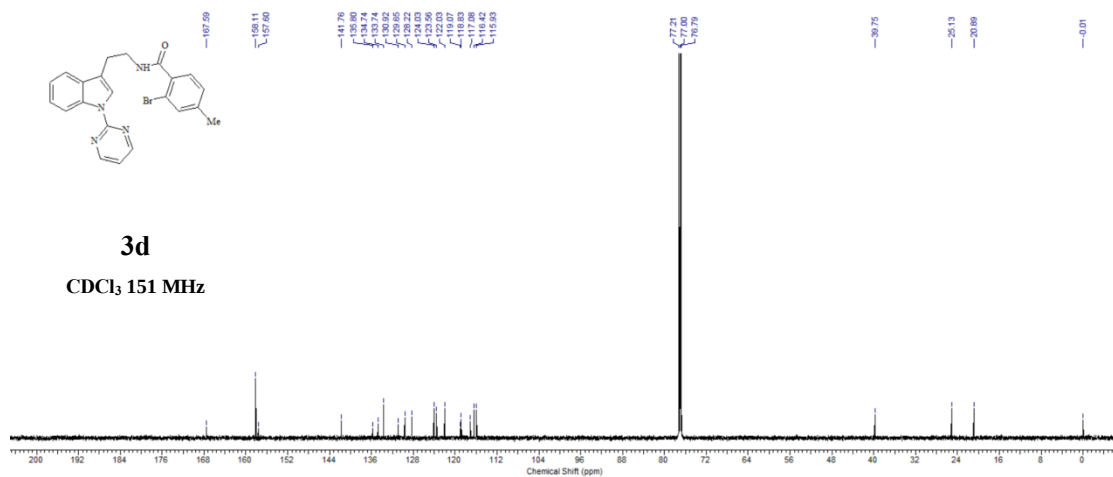
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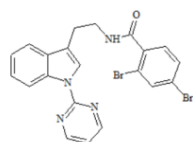
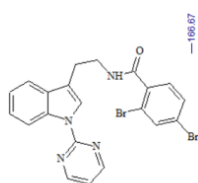
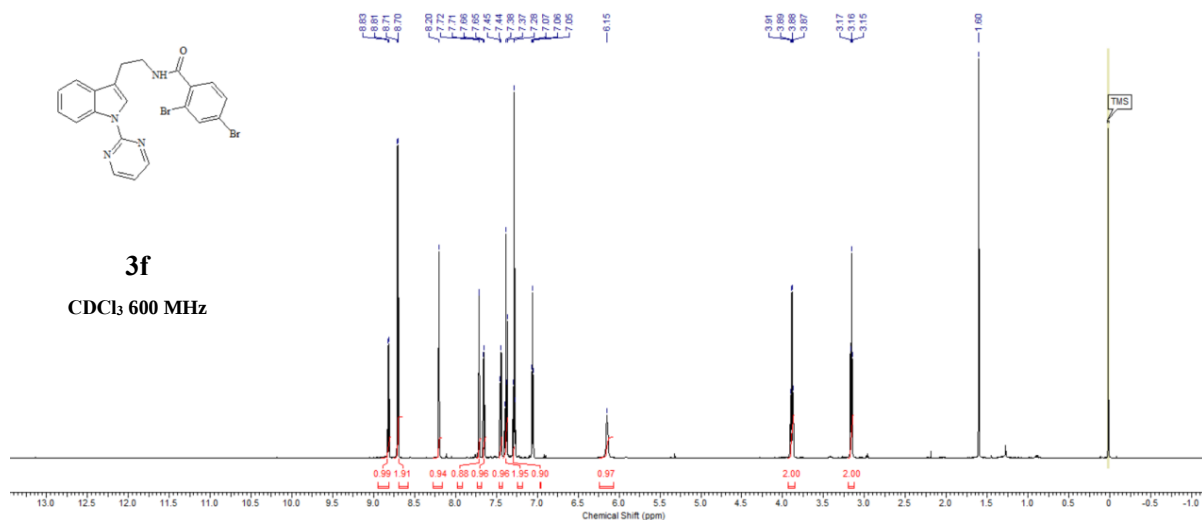
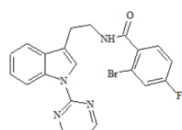
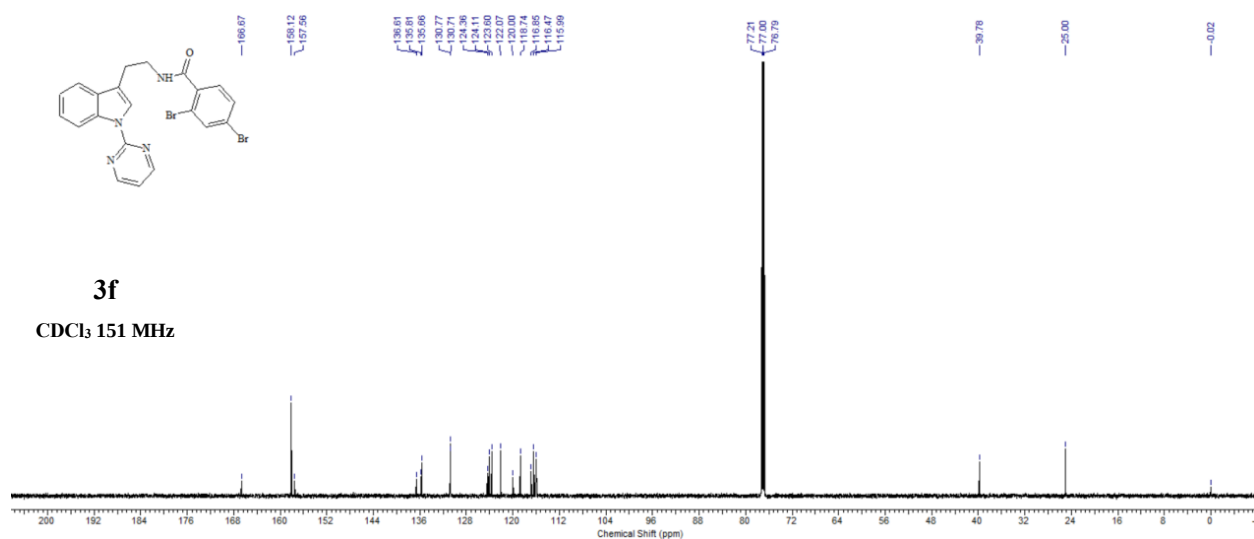
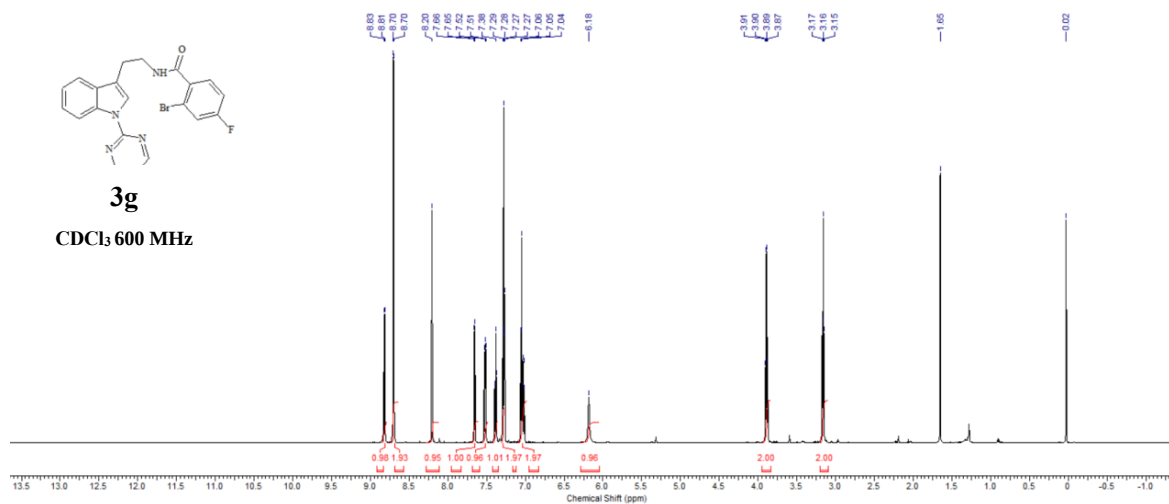


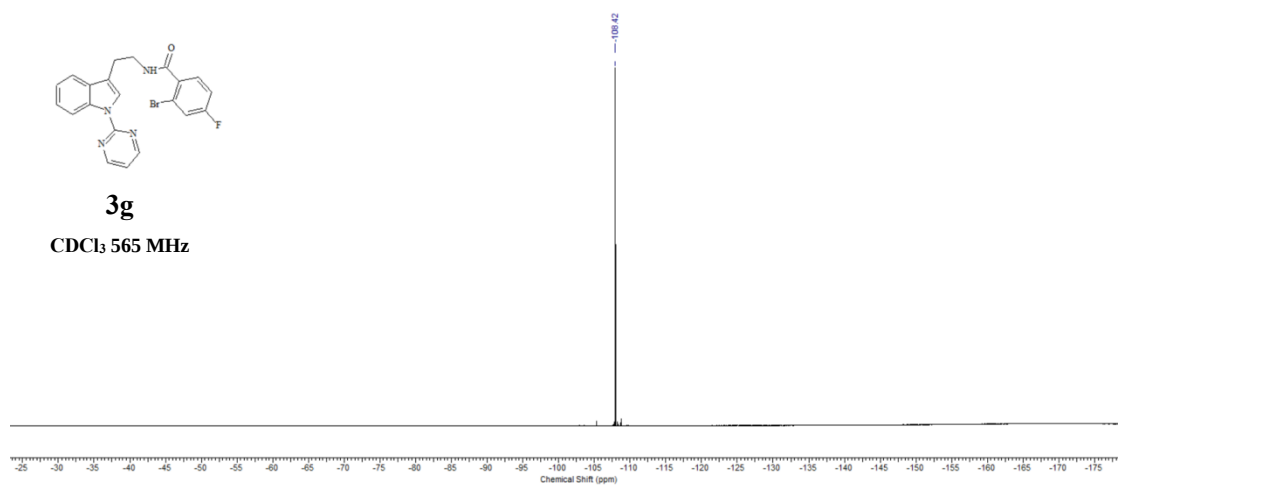


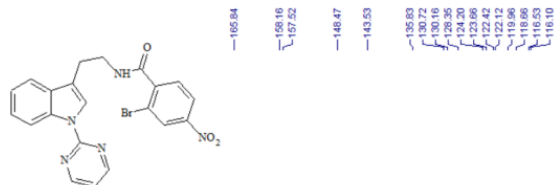
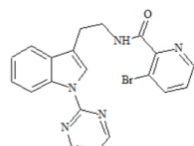
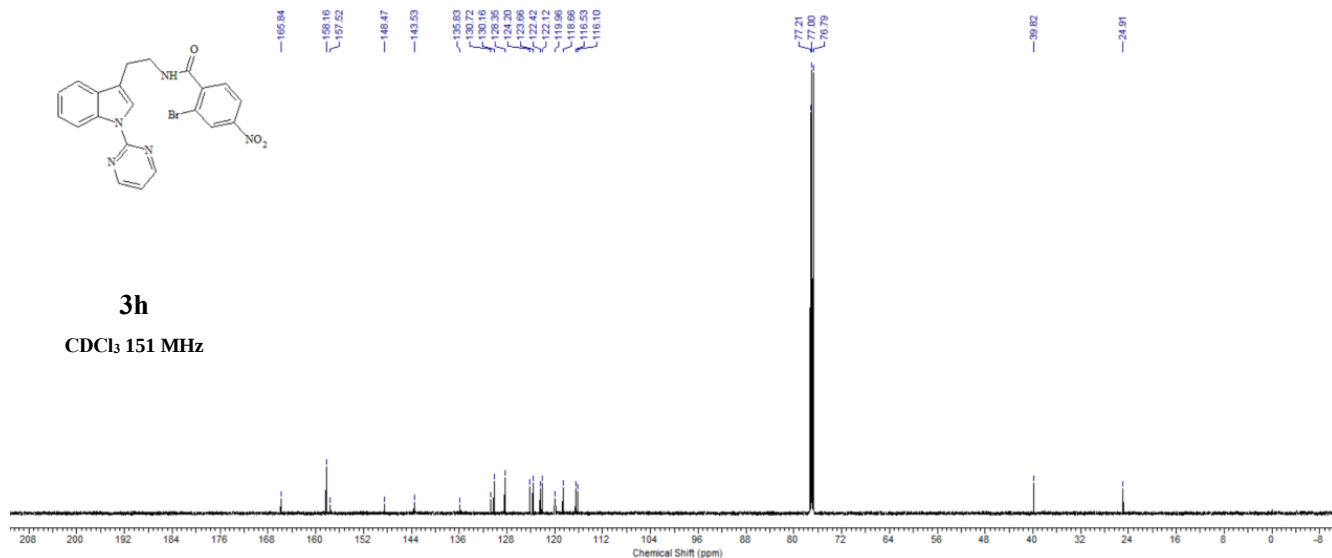
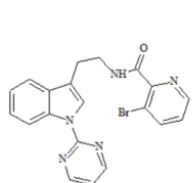
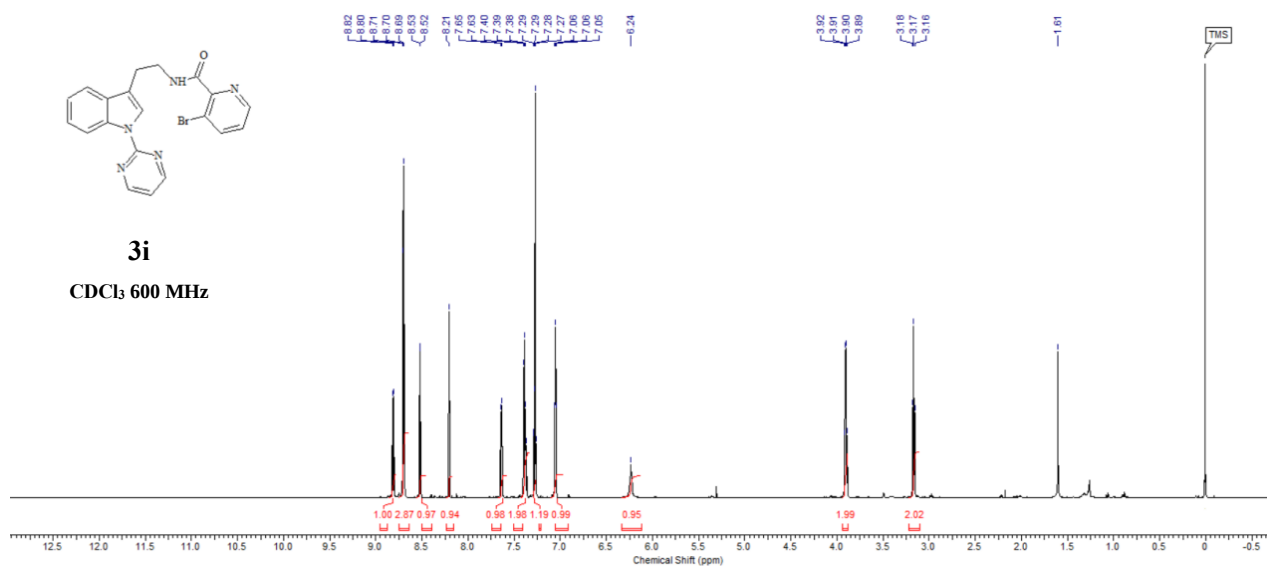
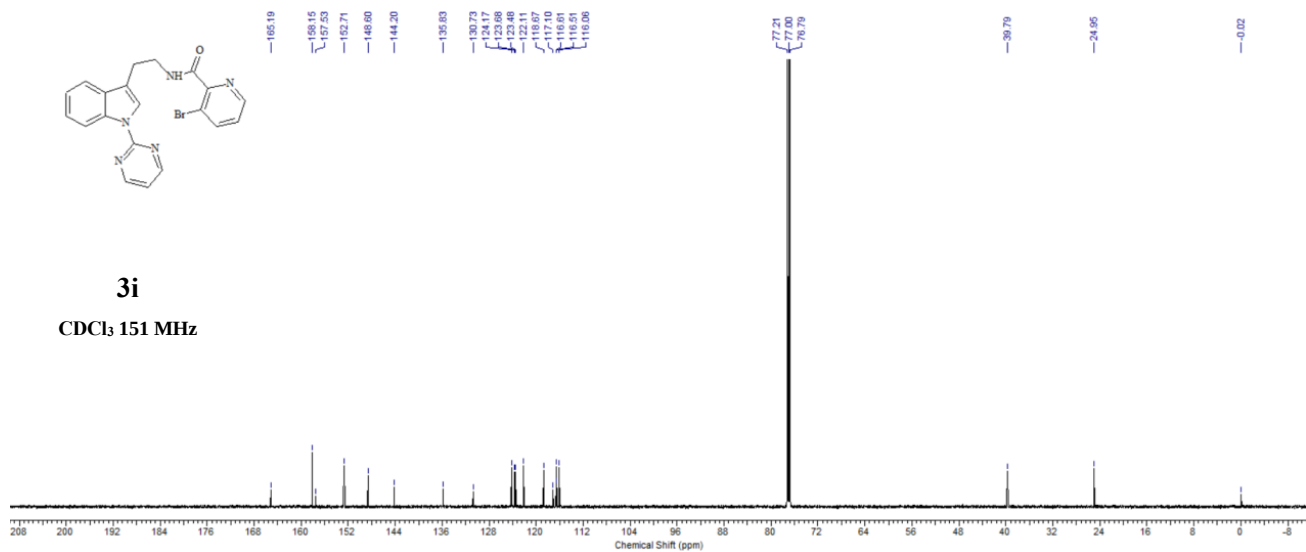


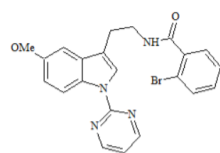
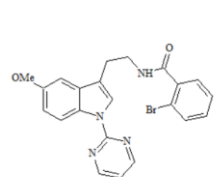
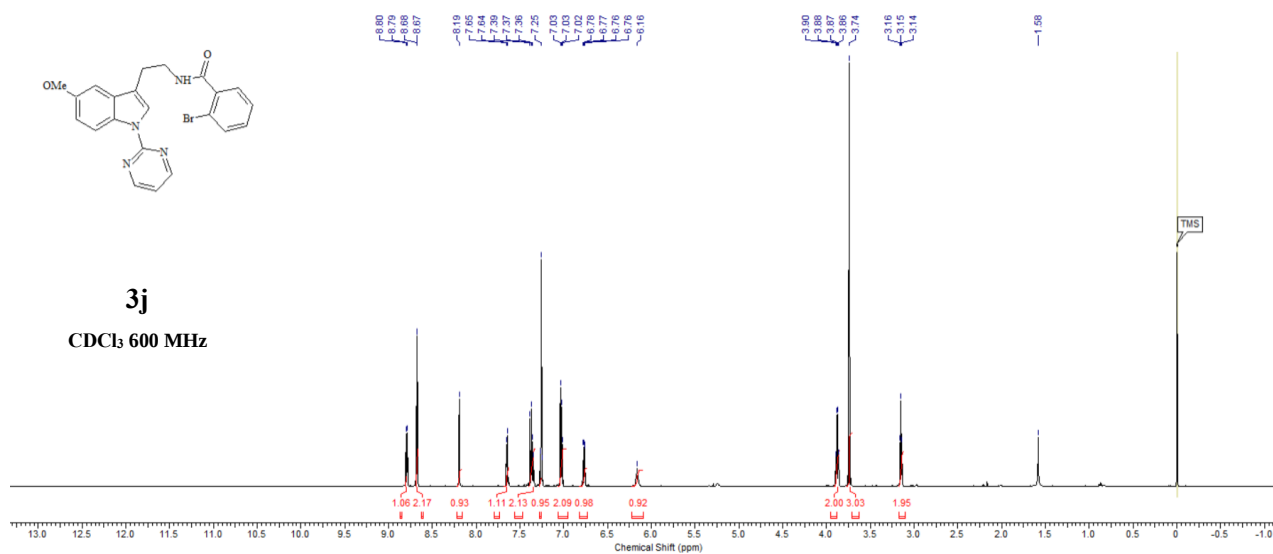
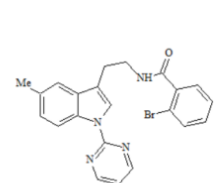
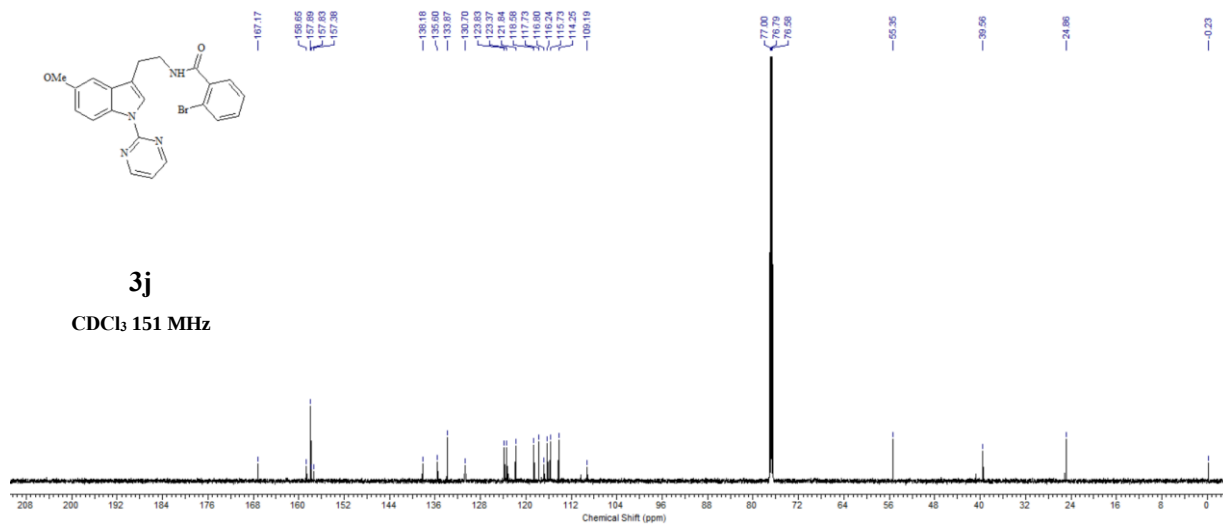
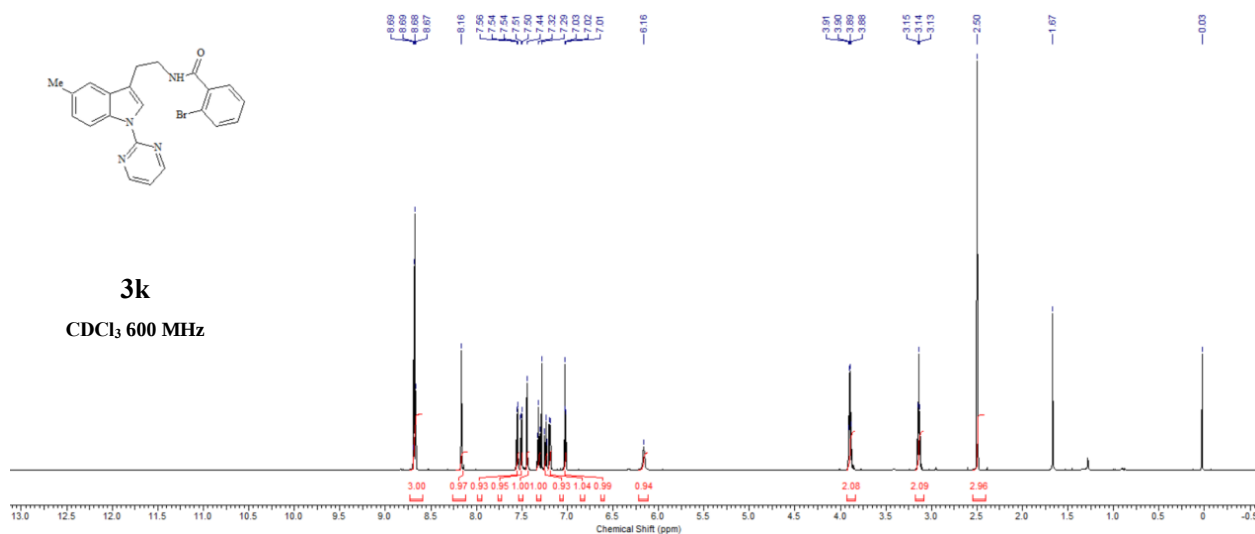


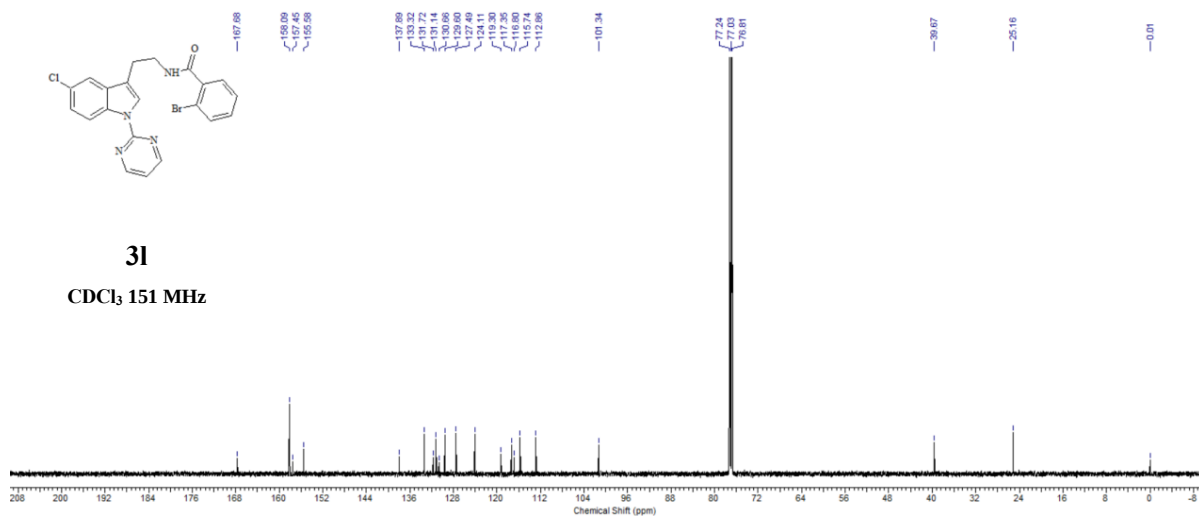
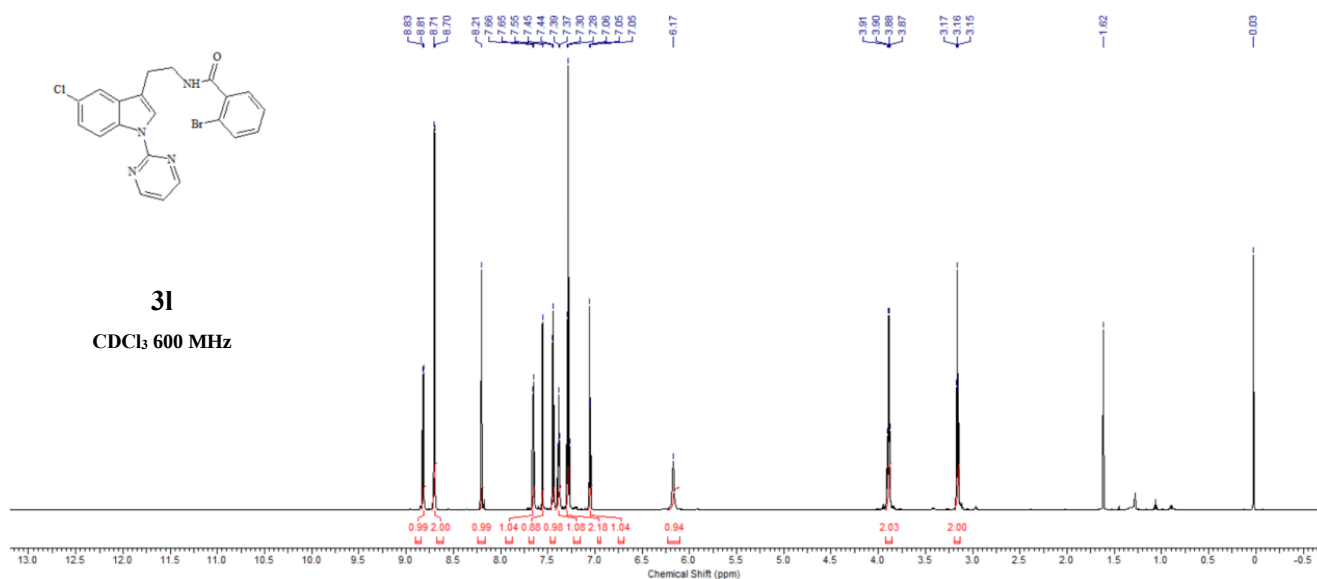
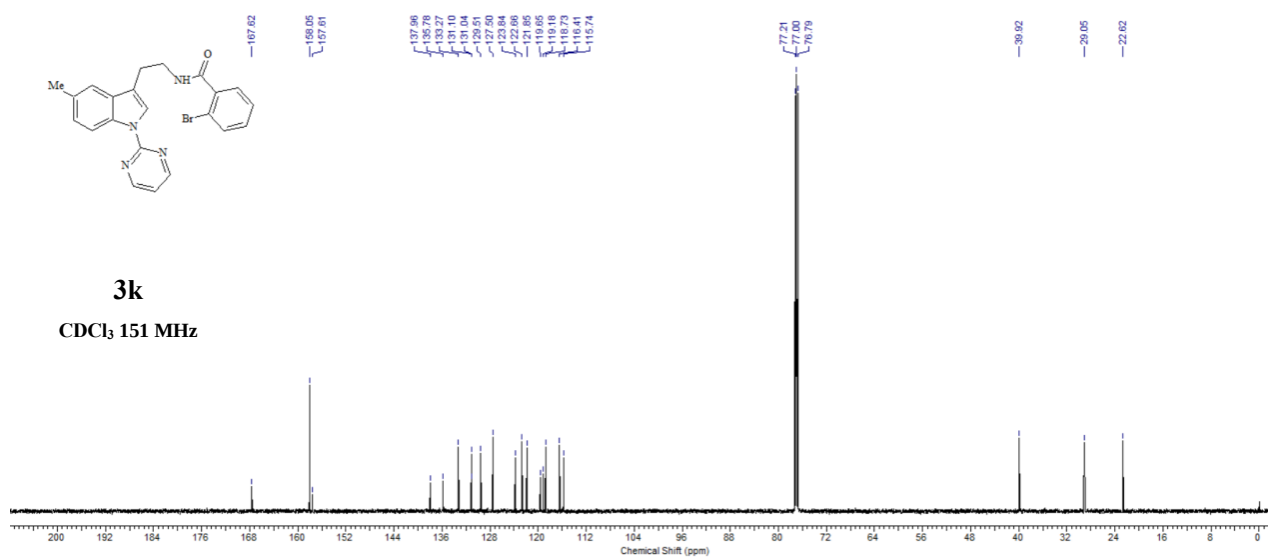


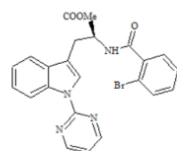
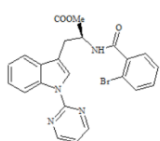
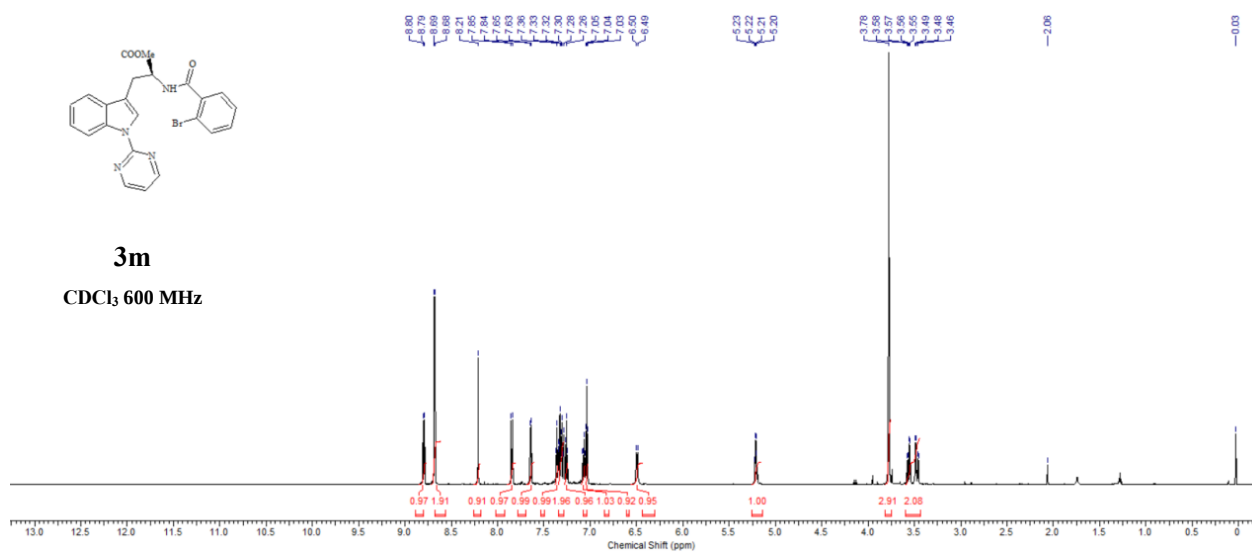
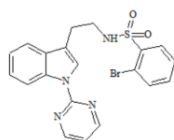
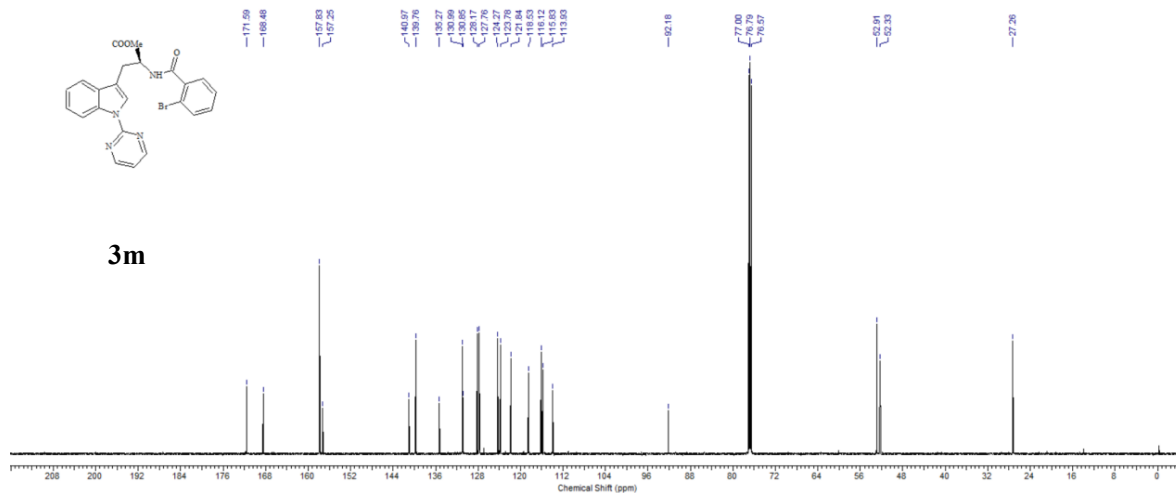
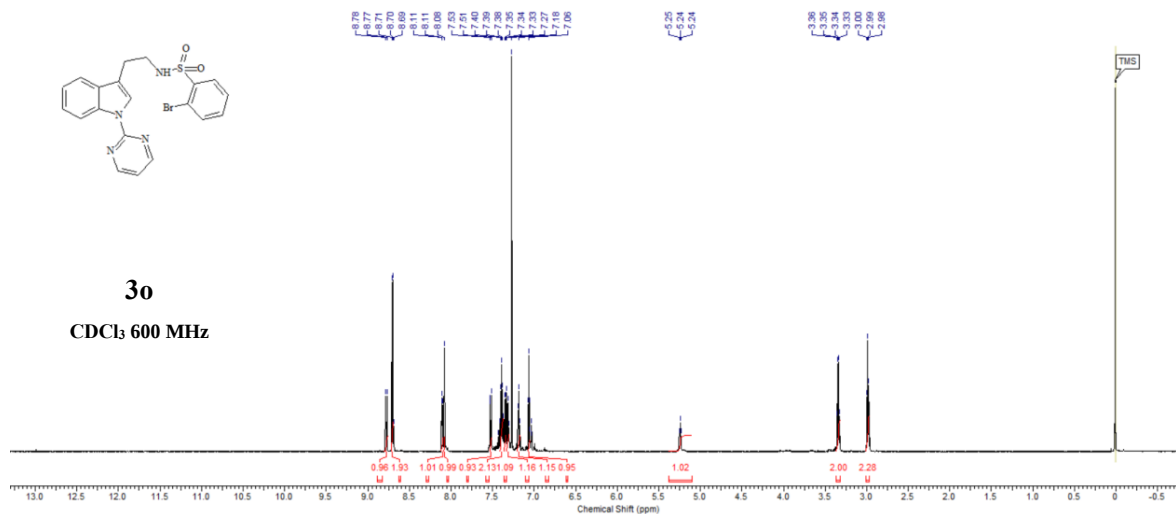
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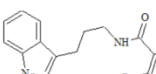
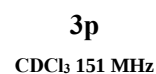
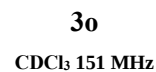


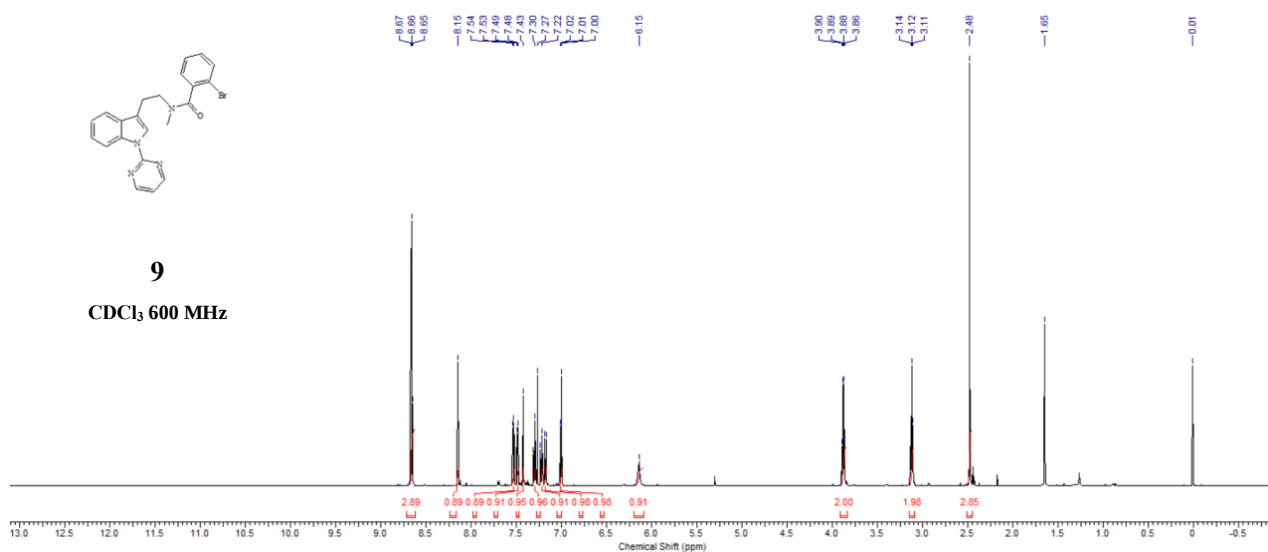
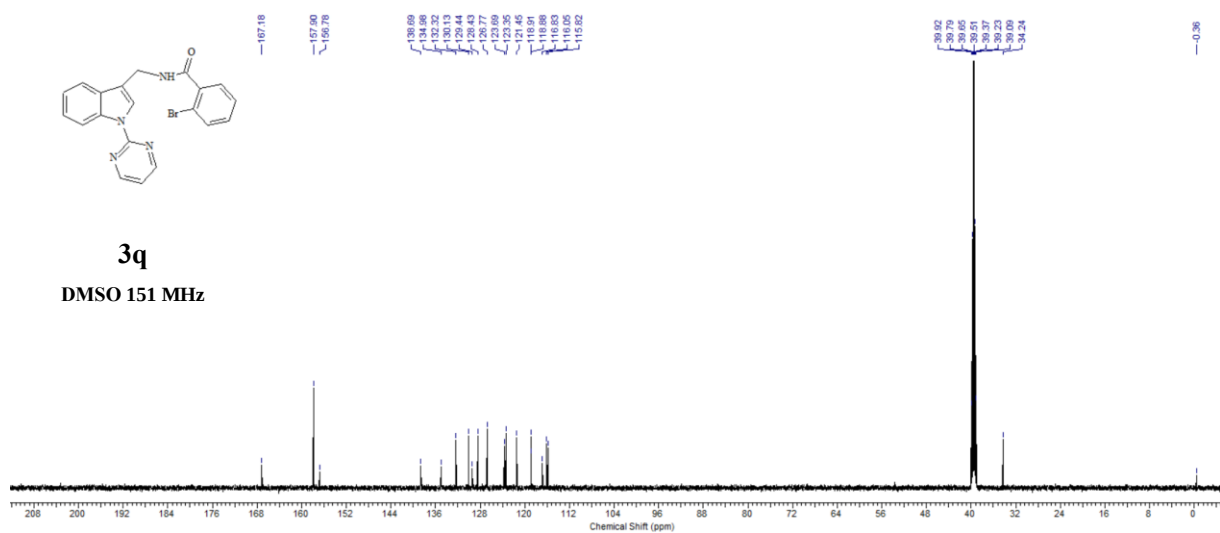
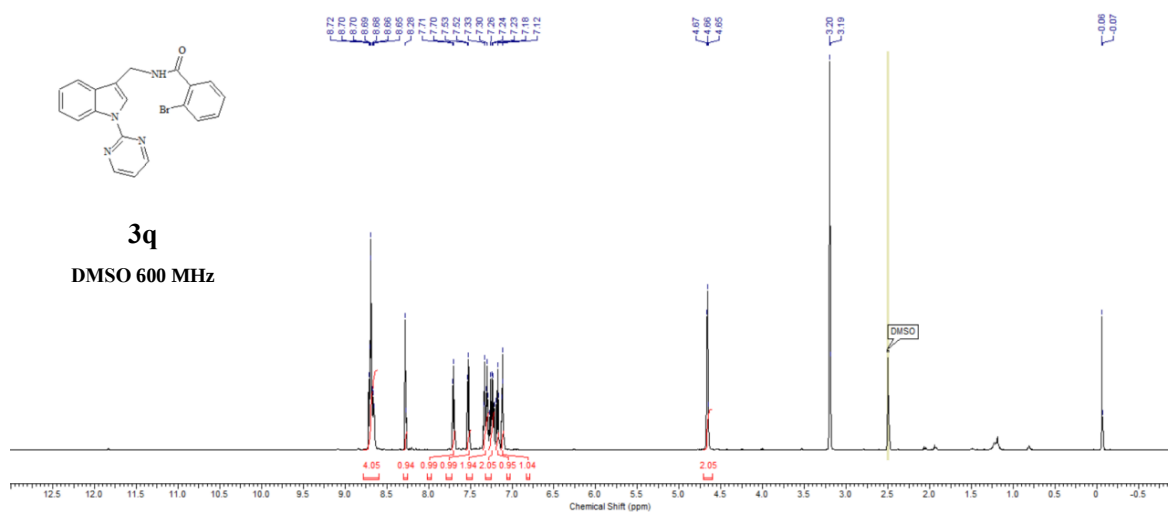
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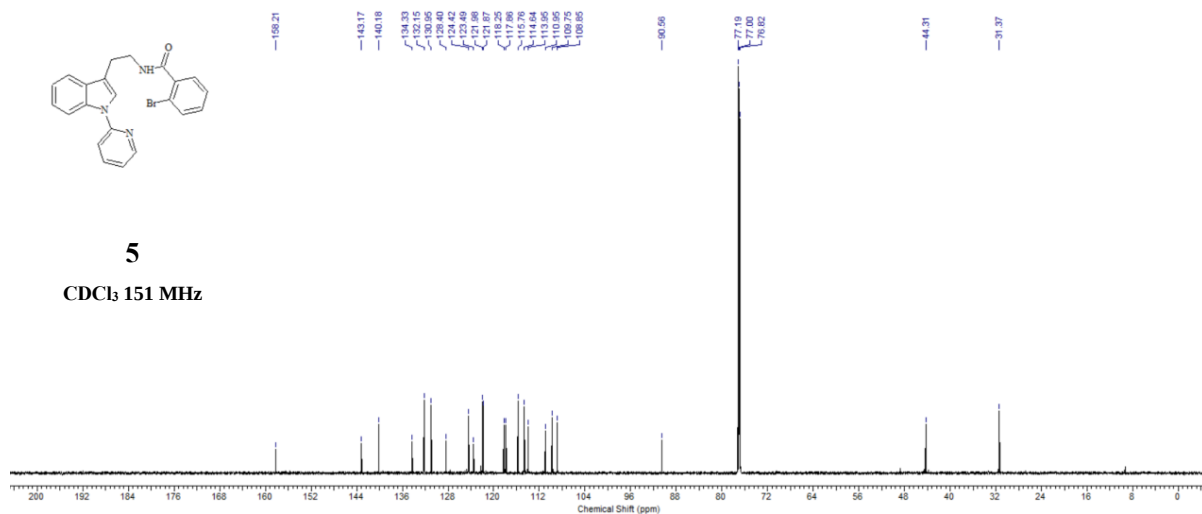
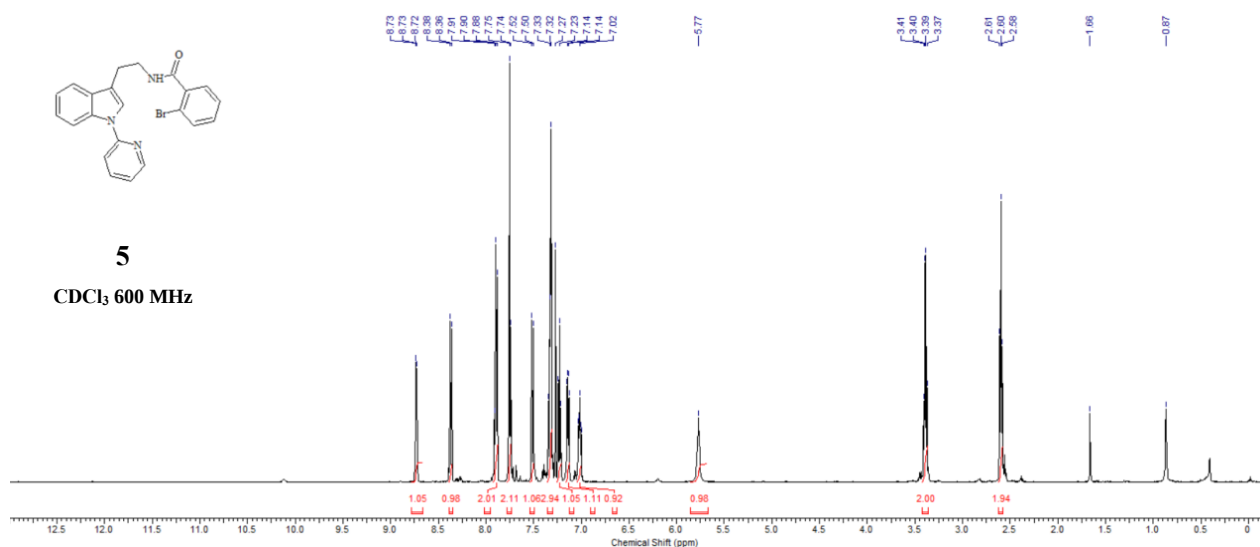
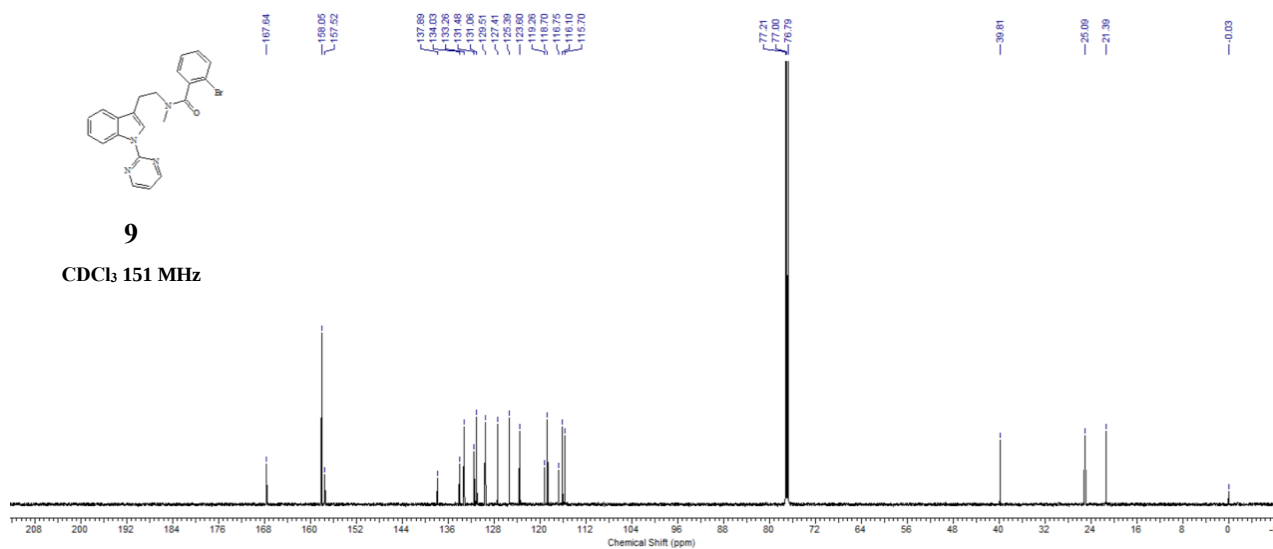
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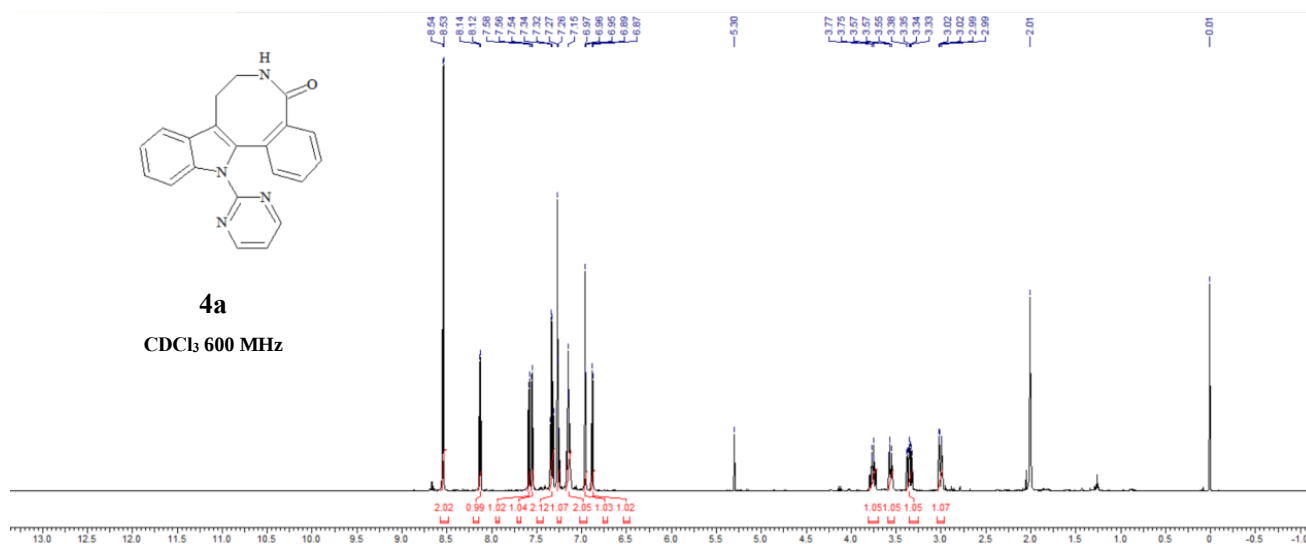
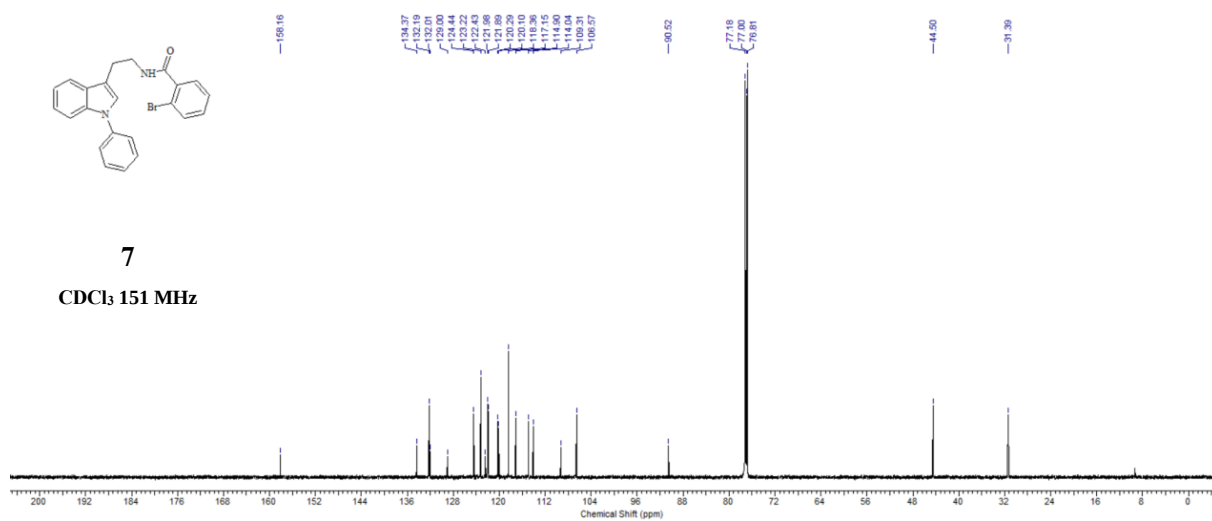
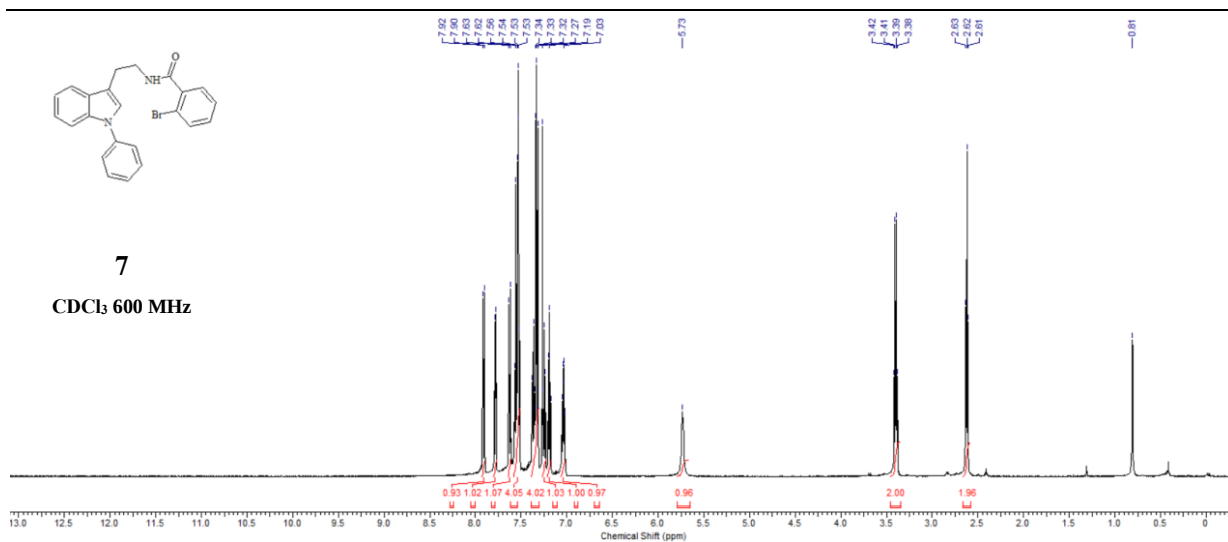


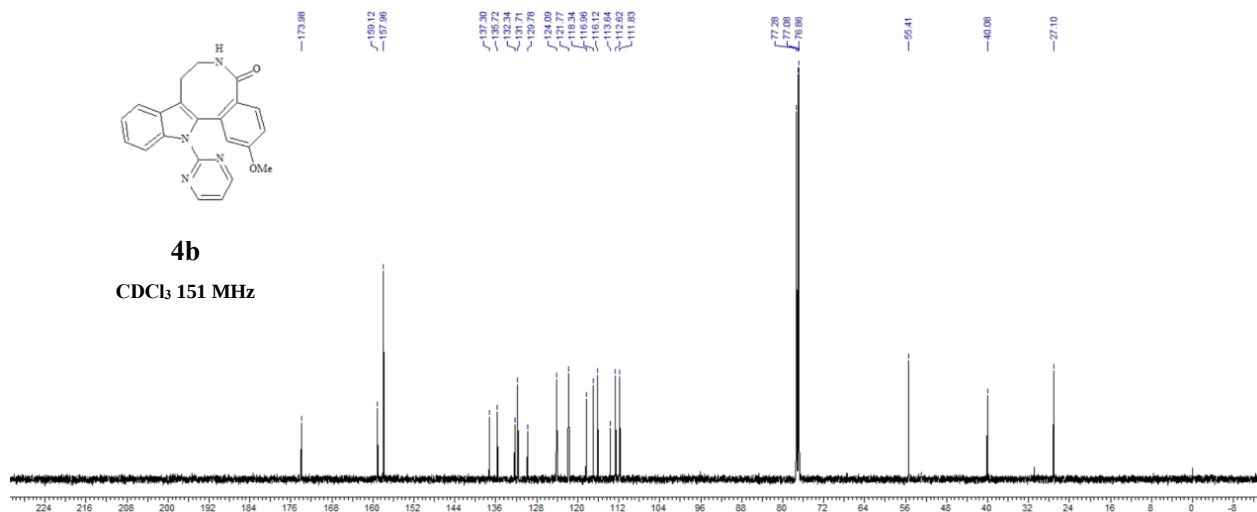
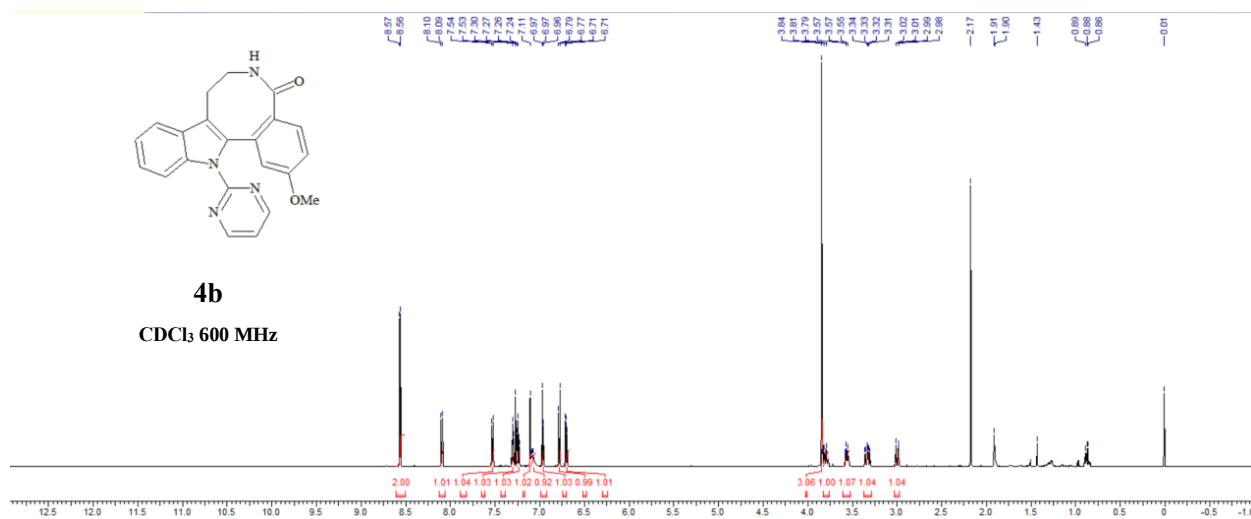
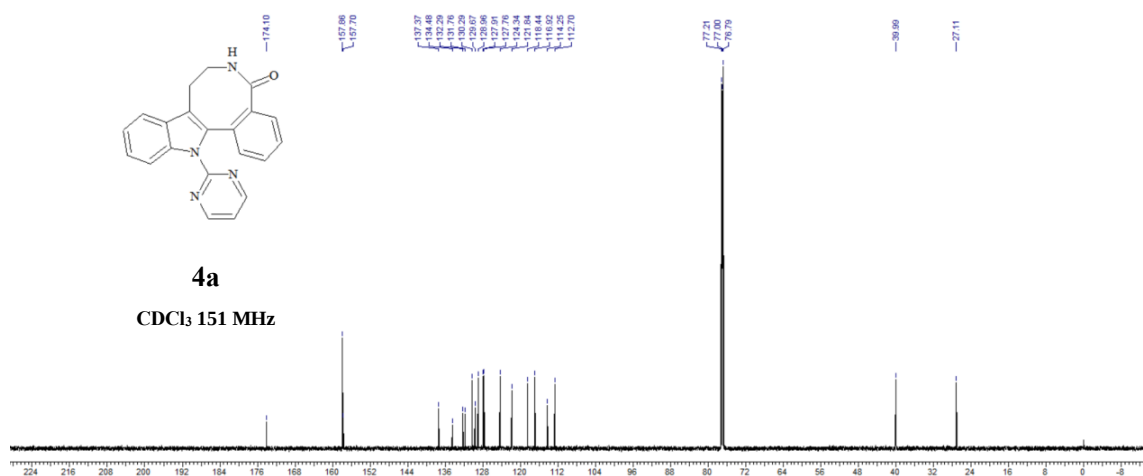
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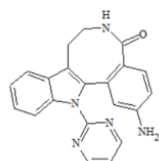
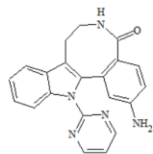
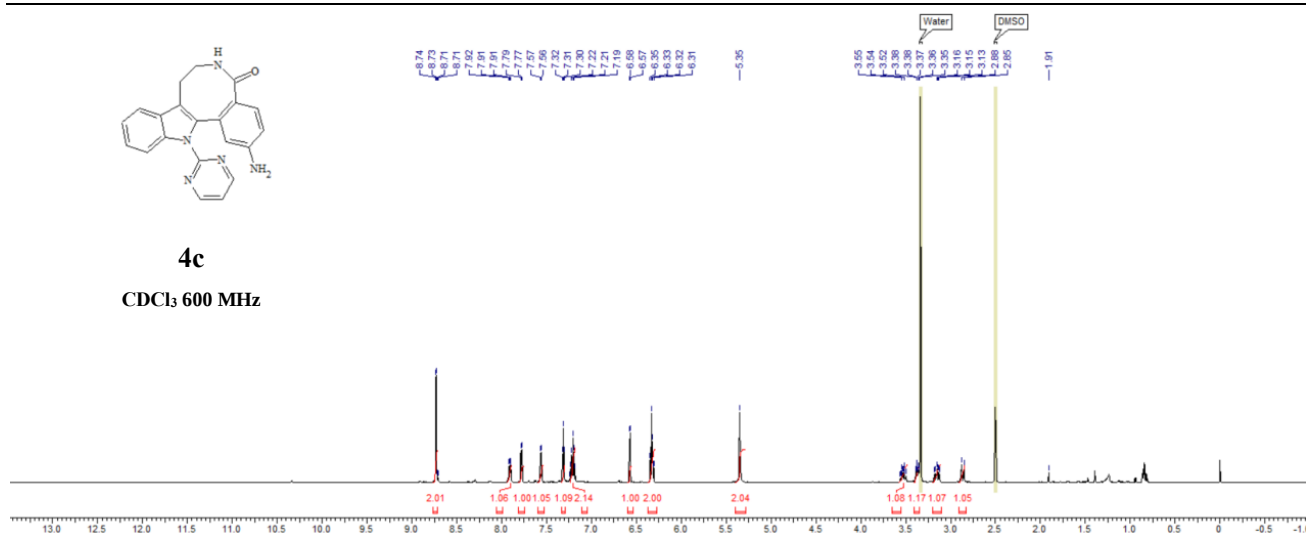
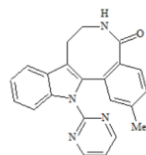
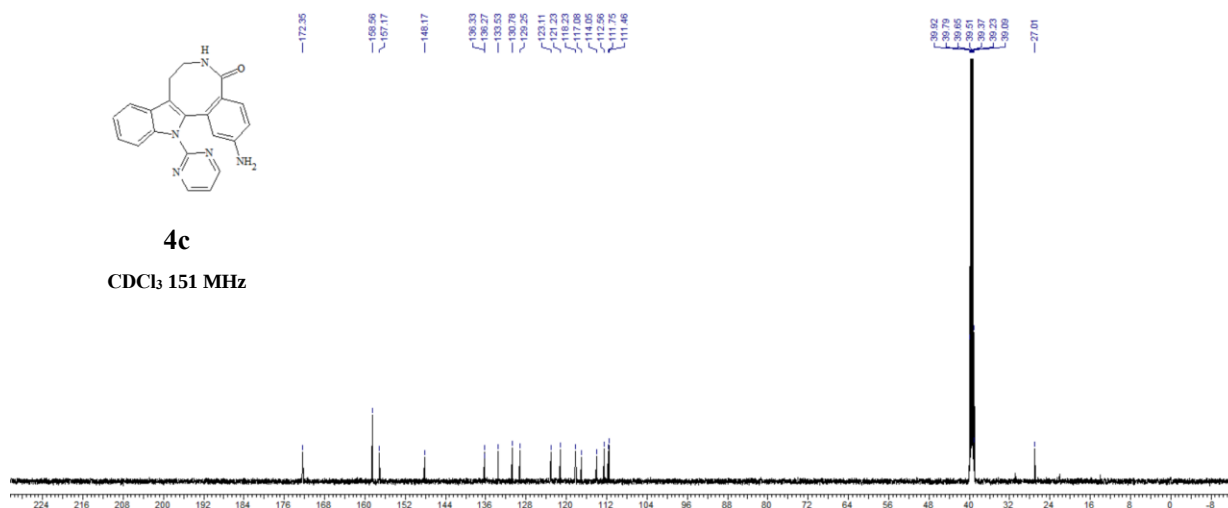
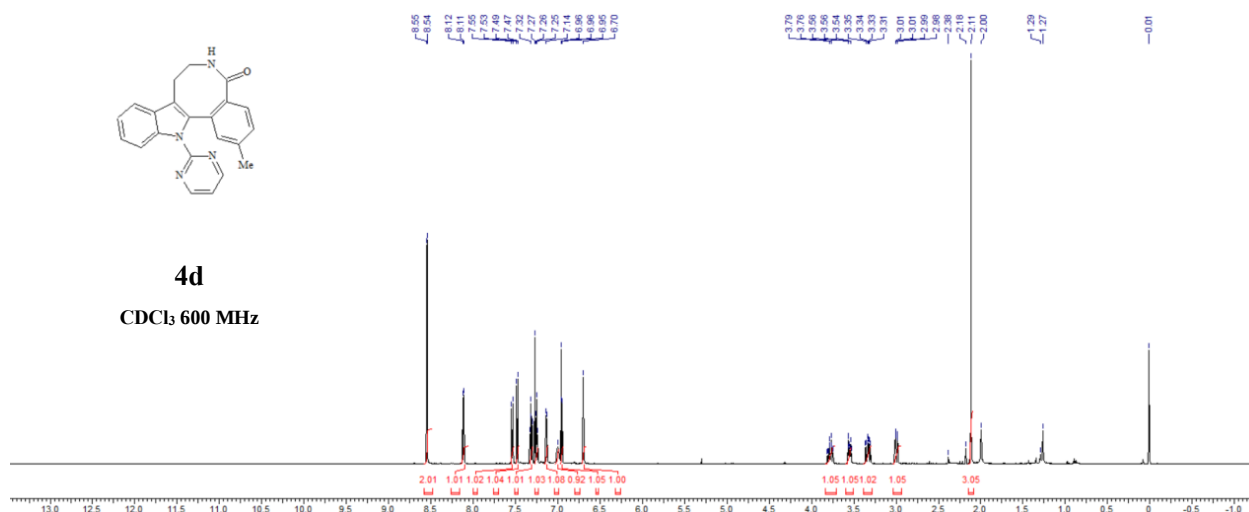


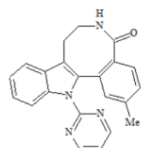
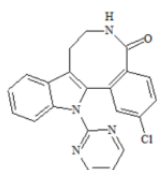
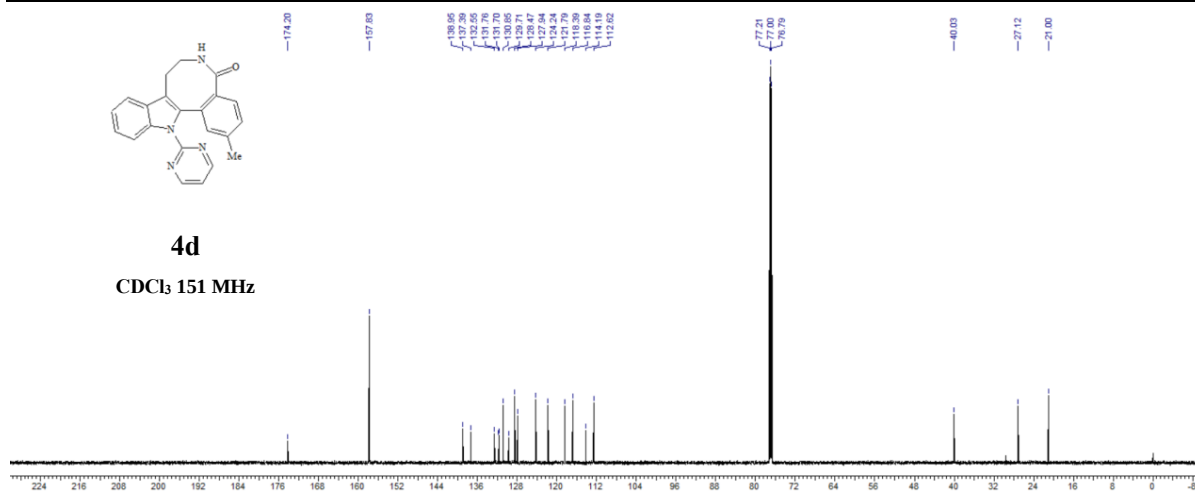
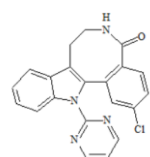
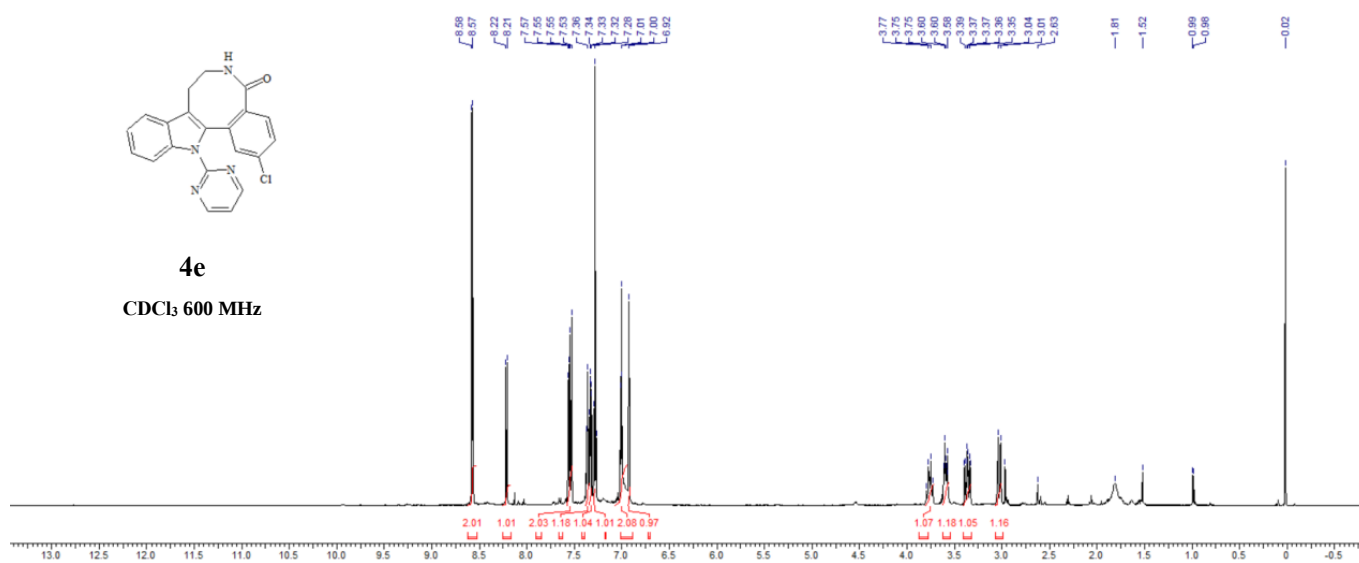
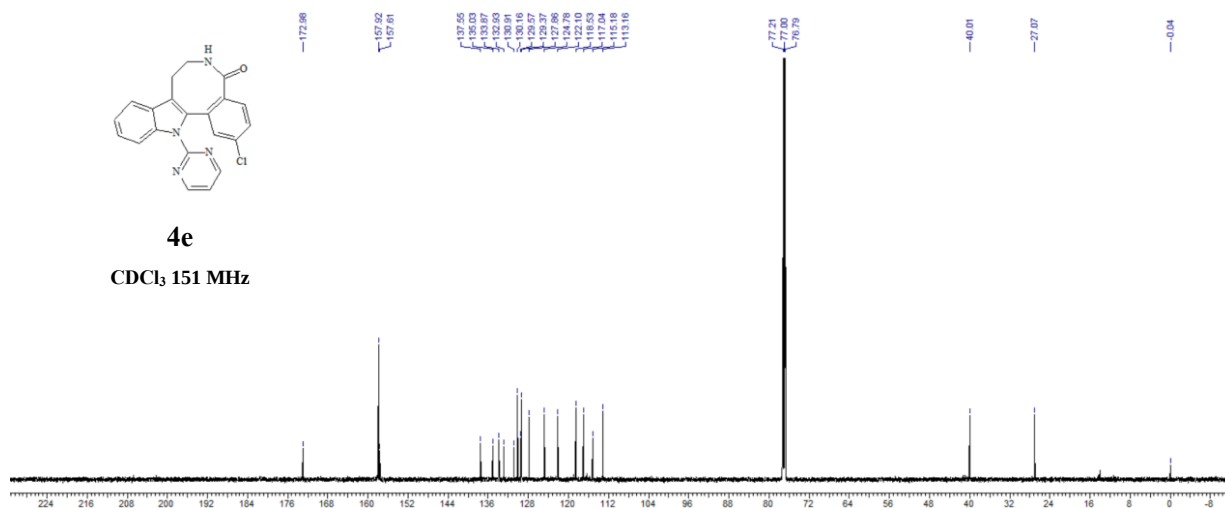


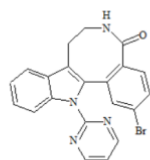
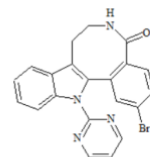
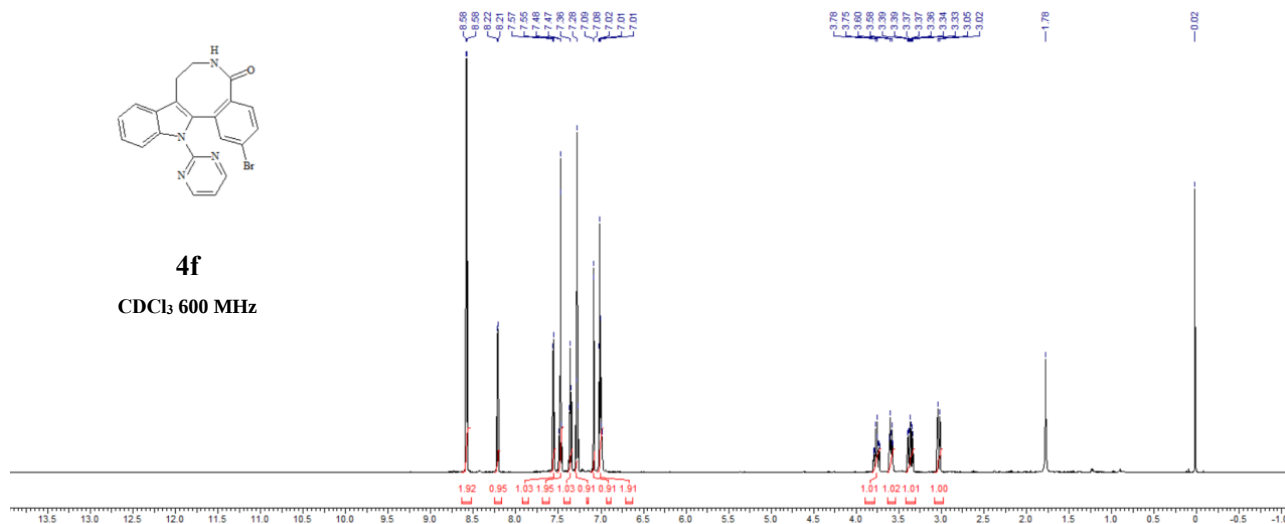
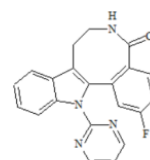
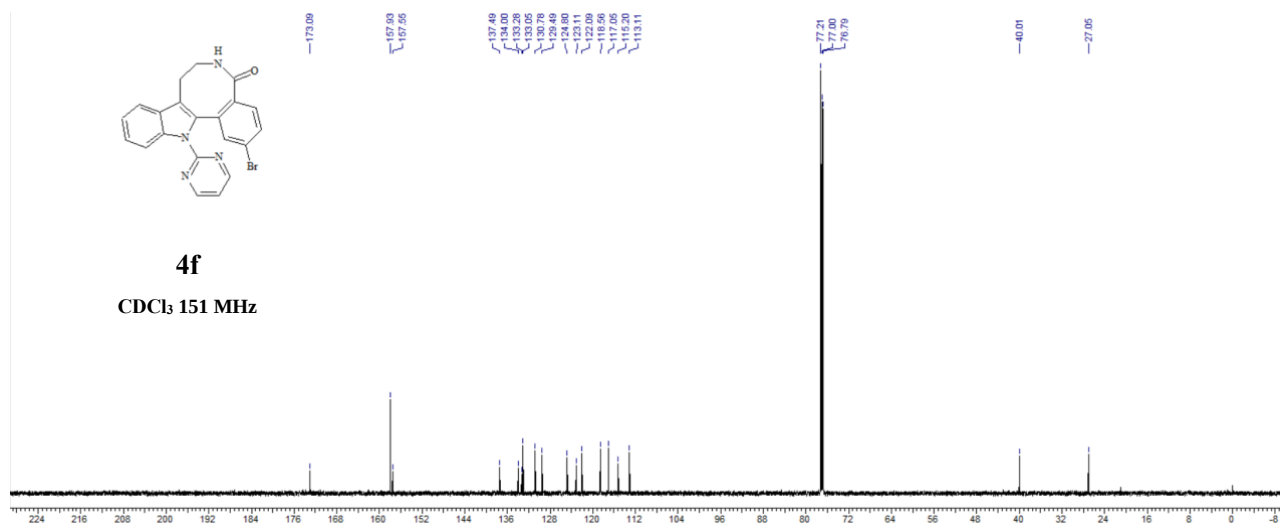
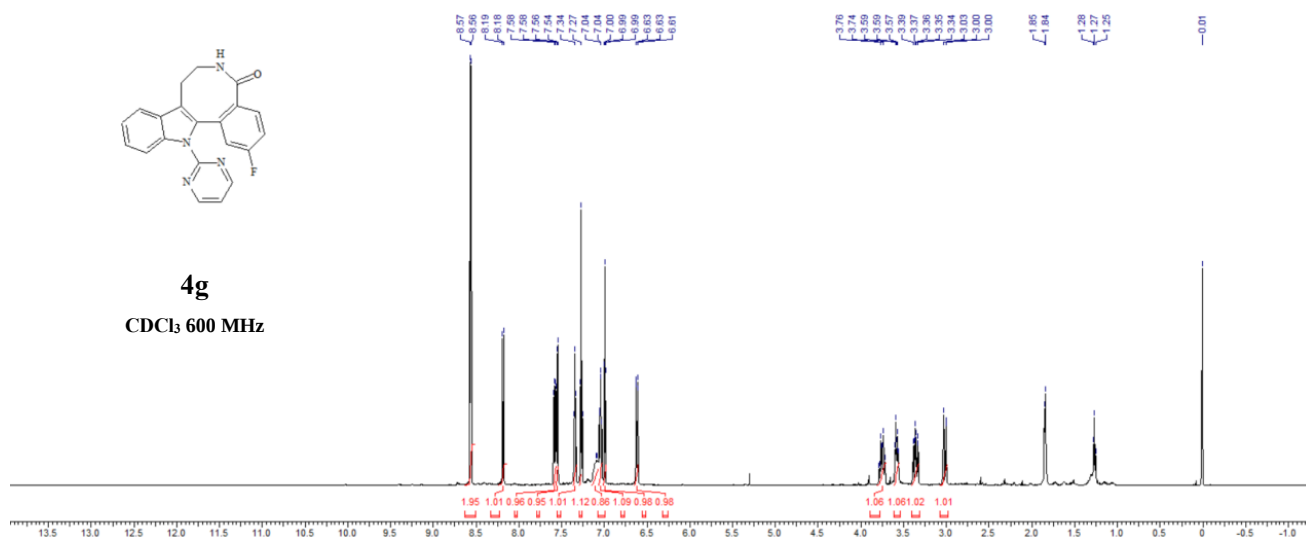


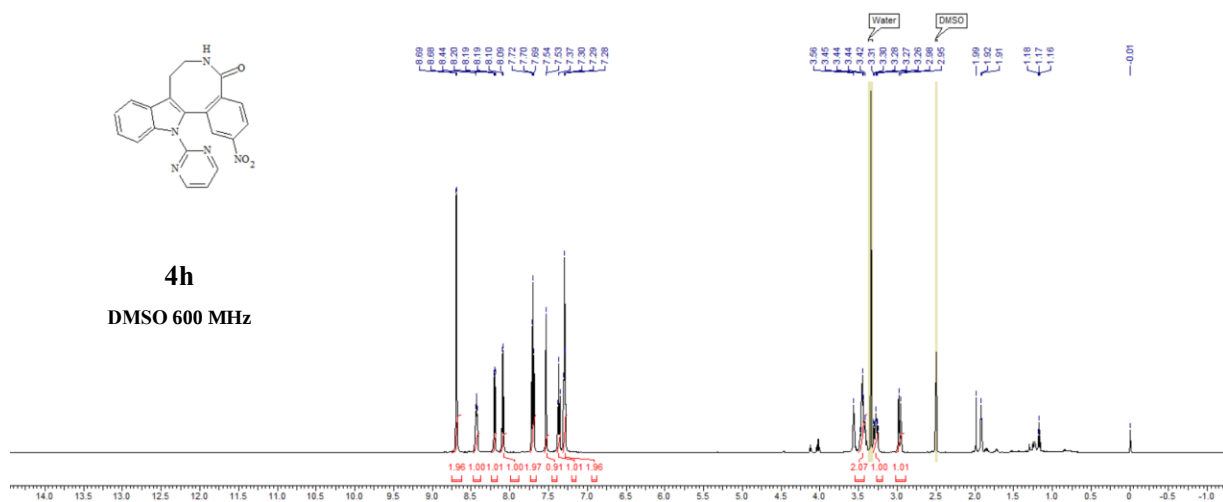
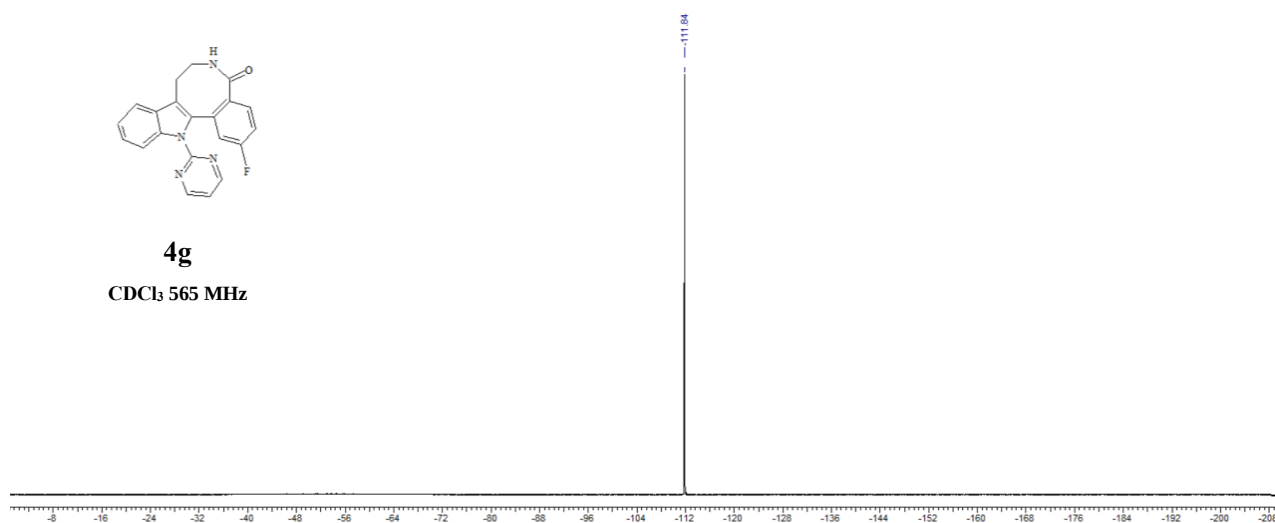
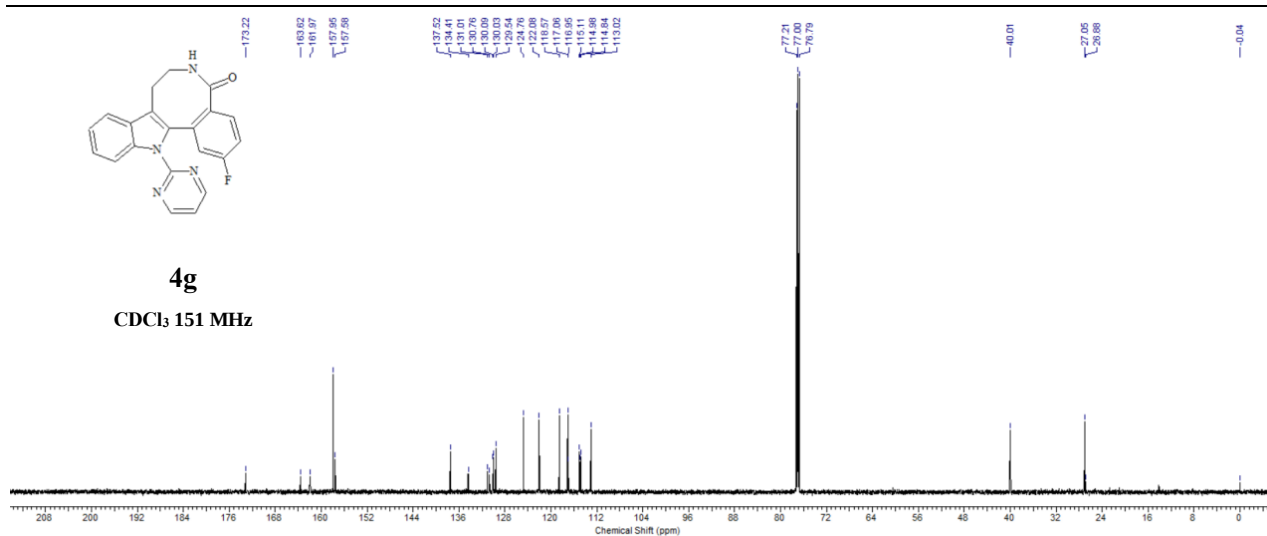


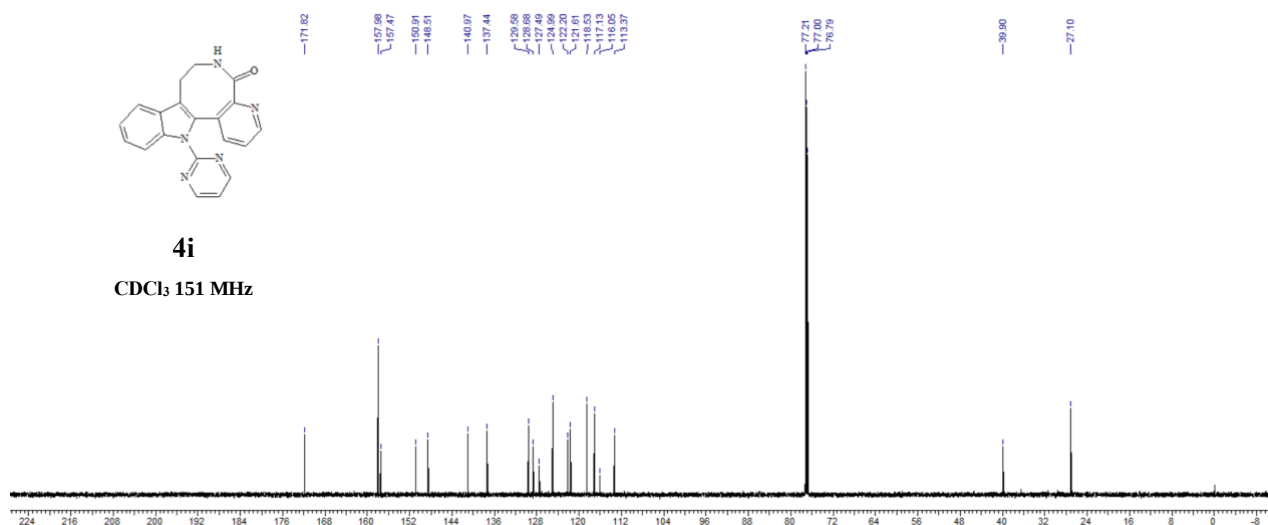
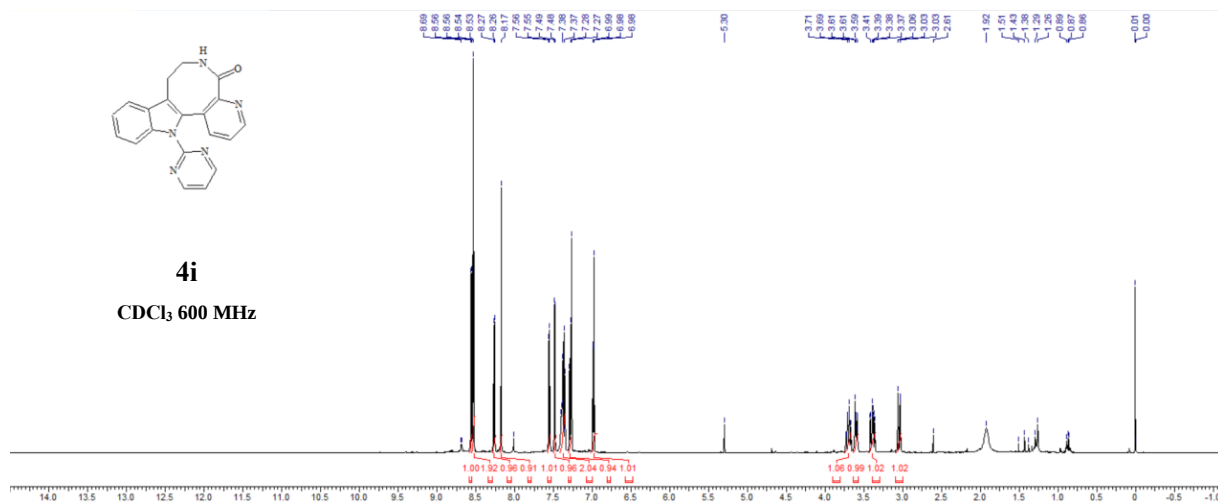
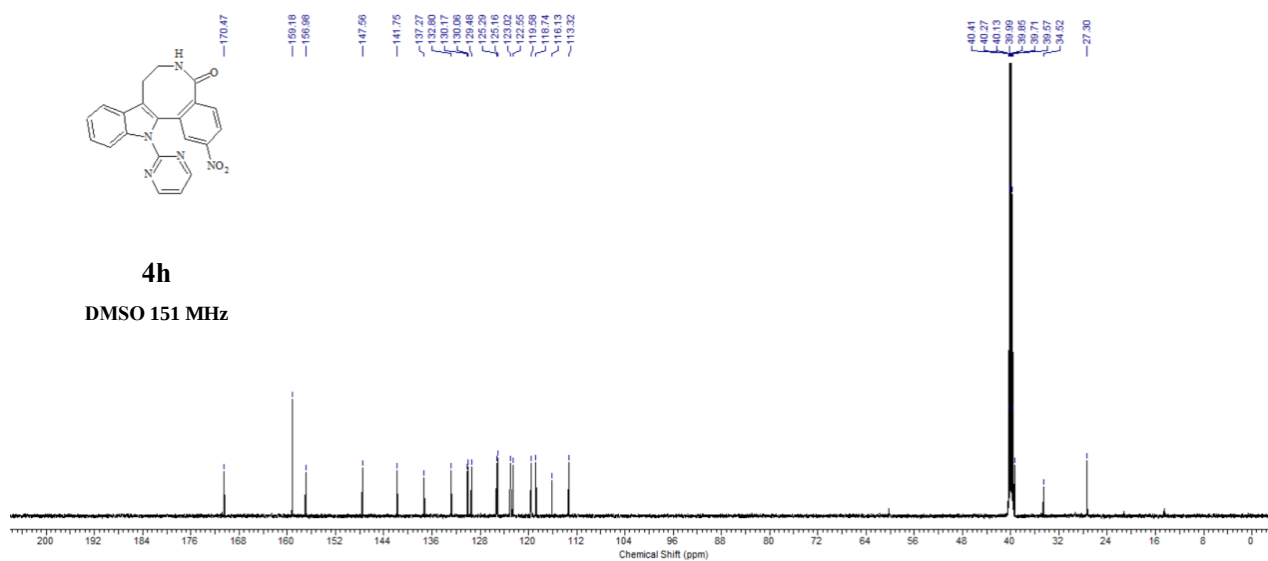


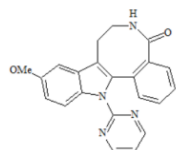
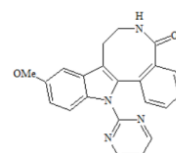
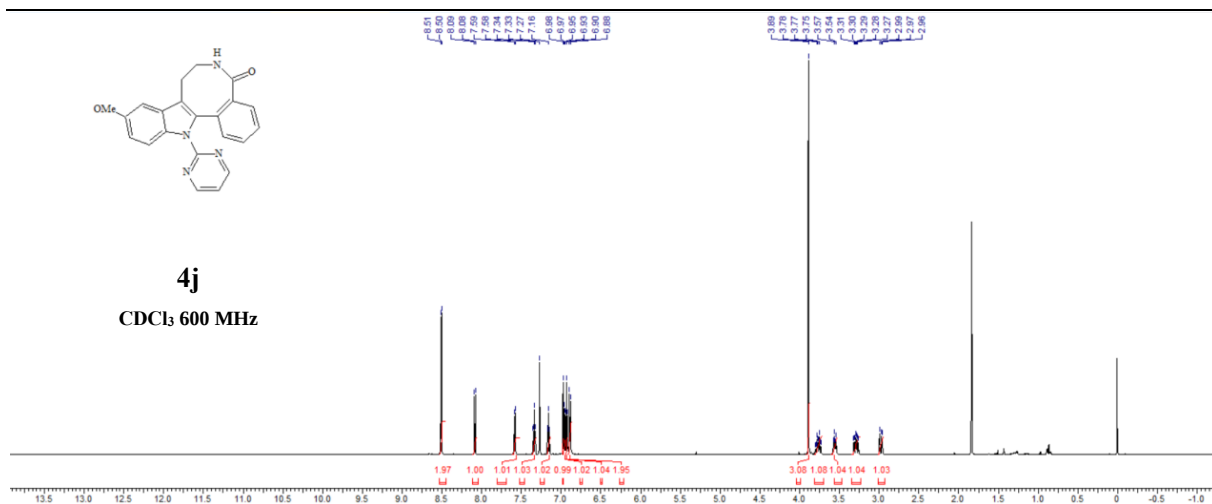
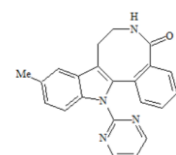
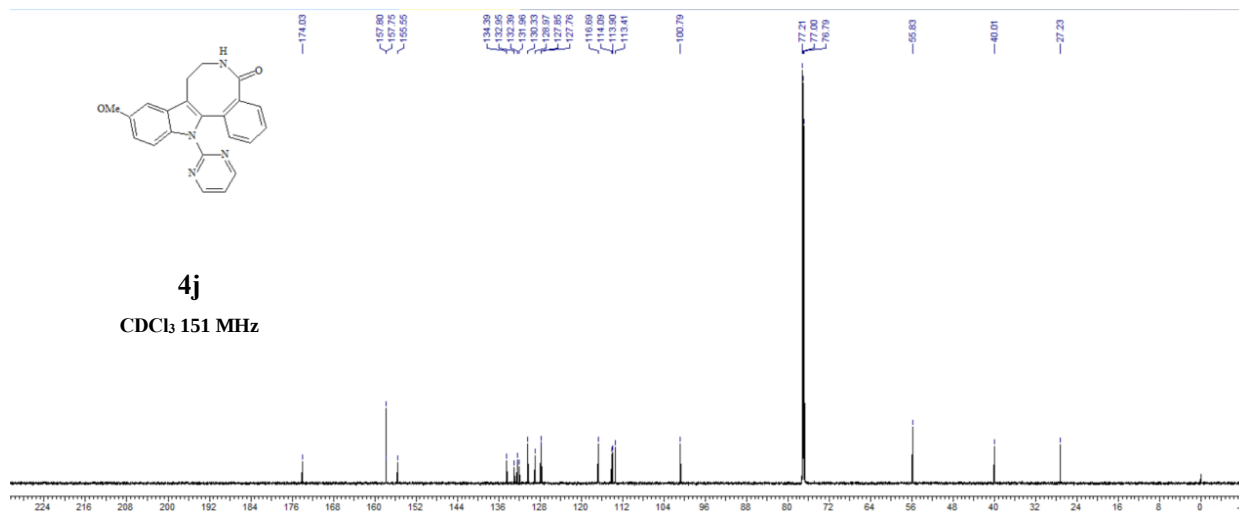
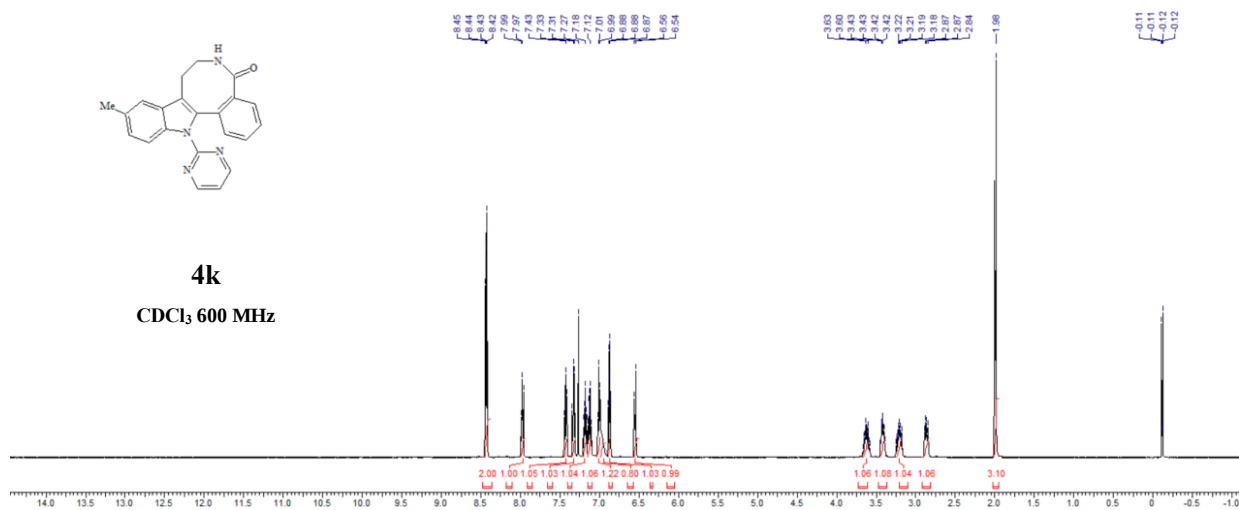
**4c**CDCl₃ 600 MHz**4c**CDCl₃ 151 MHz**4d**CDCl₃ 600 MHz

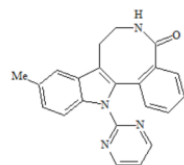
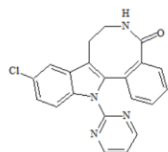
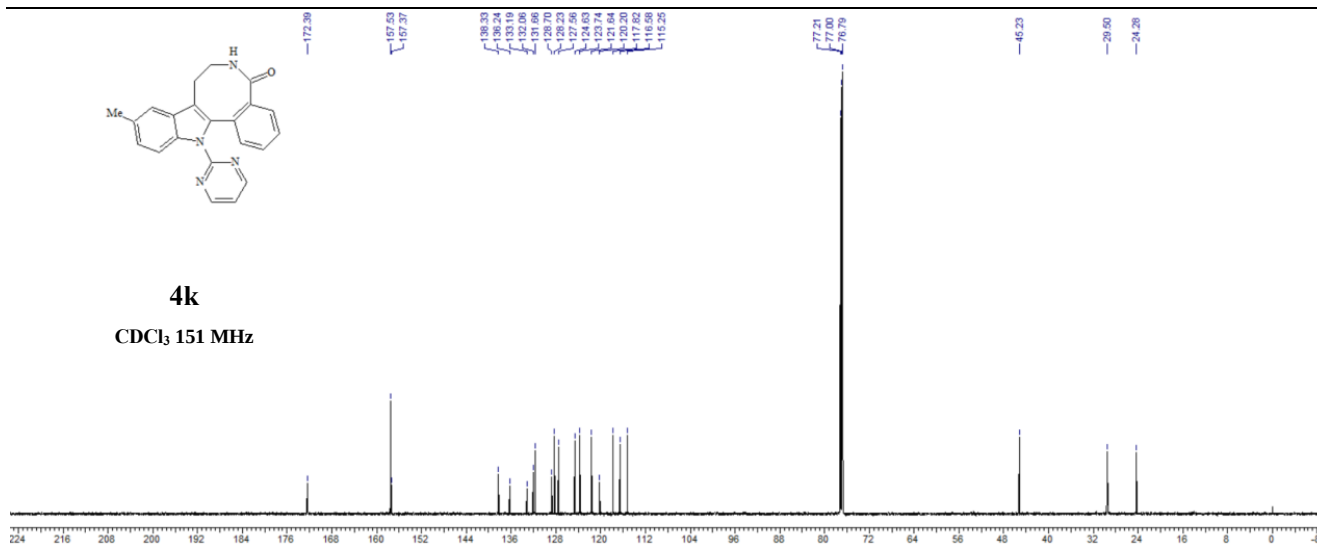
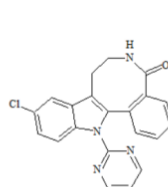
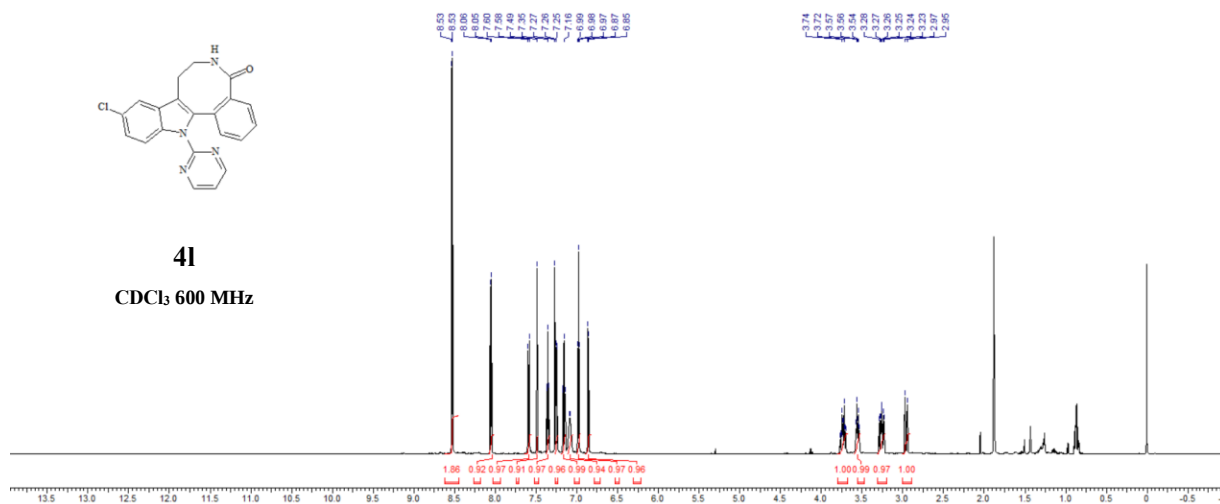
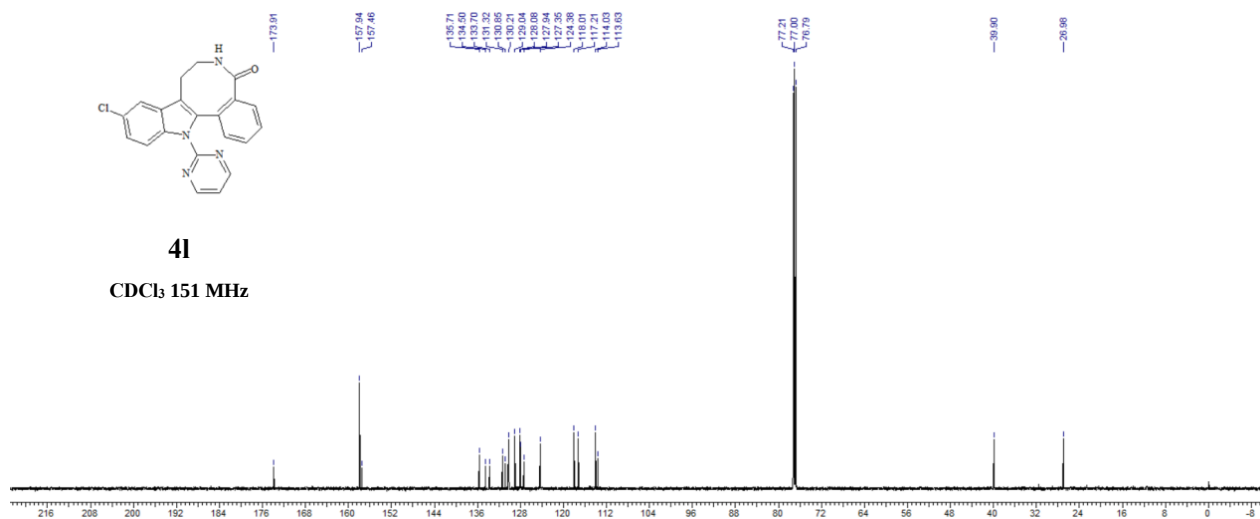
**4d**CDCl₃ 151 MHz**4e**CDCl₃ 600 MHz**4e**CDCl₃ 151 MHz

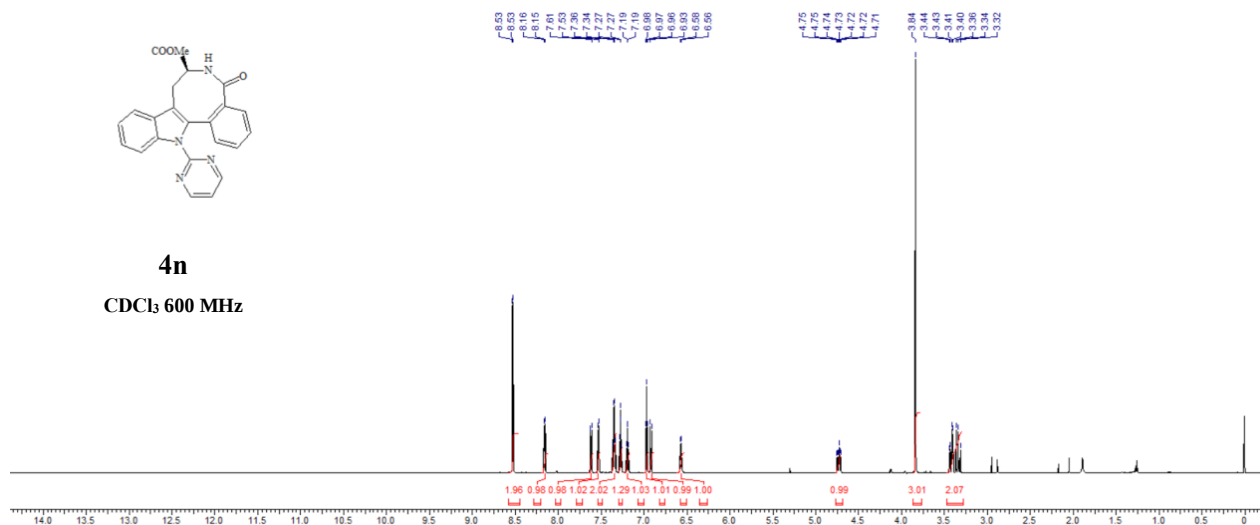
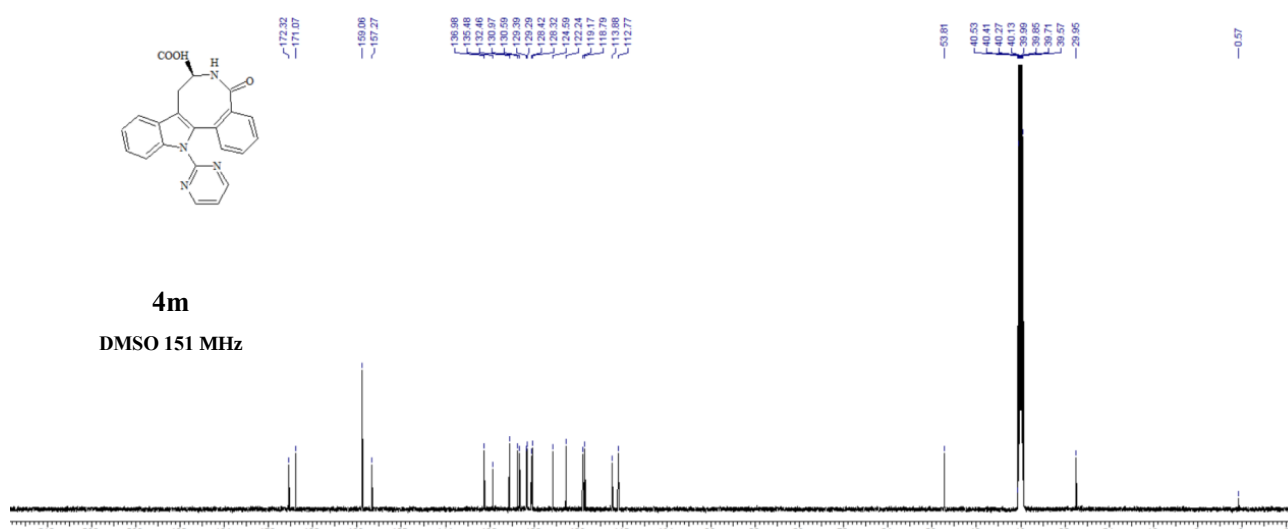
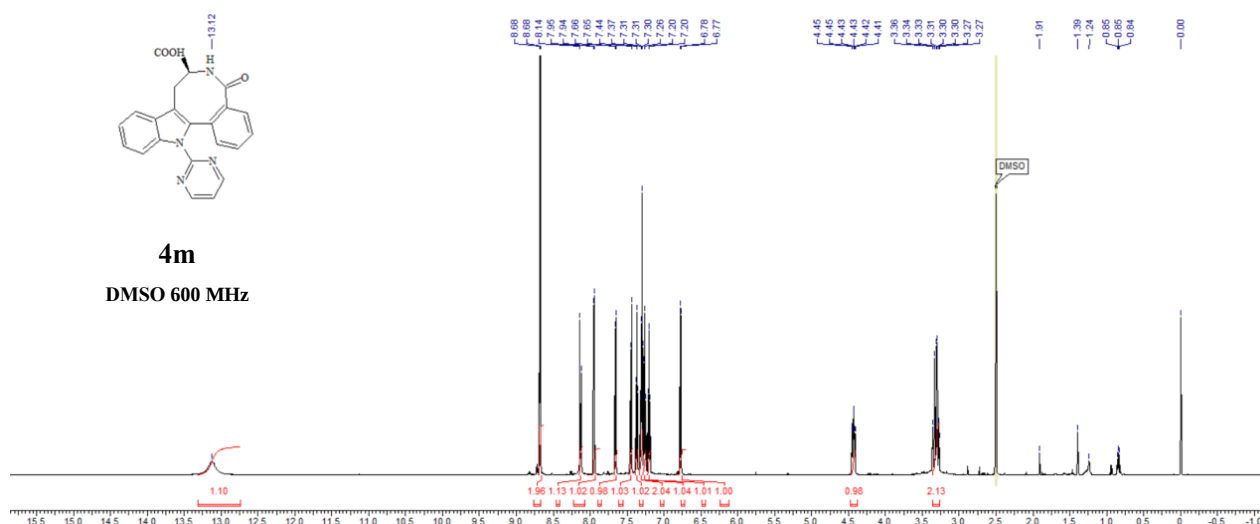
**4f**CDCl₃ 600 MHz**4f**CDCl₃ 151 MHz**4g**CDCl₃ 600 MHz

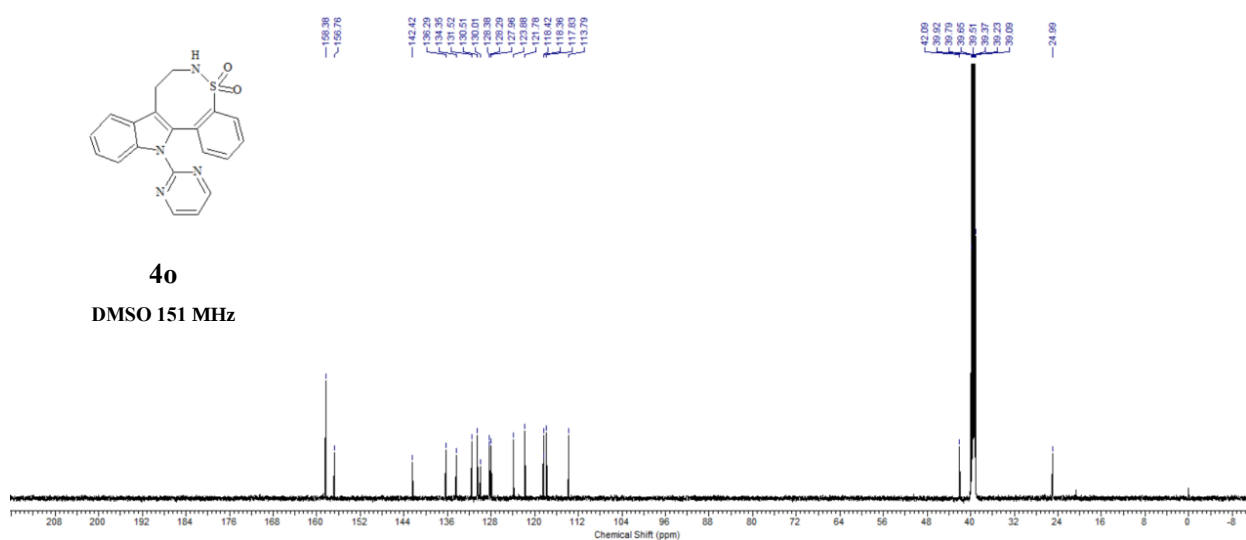
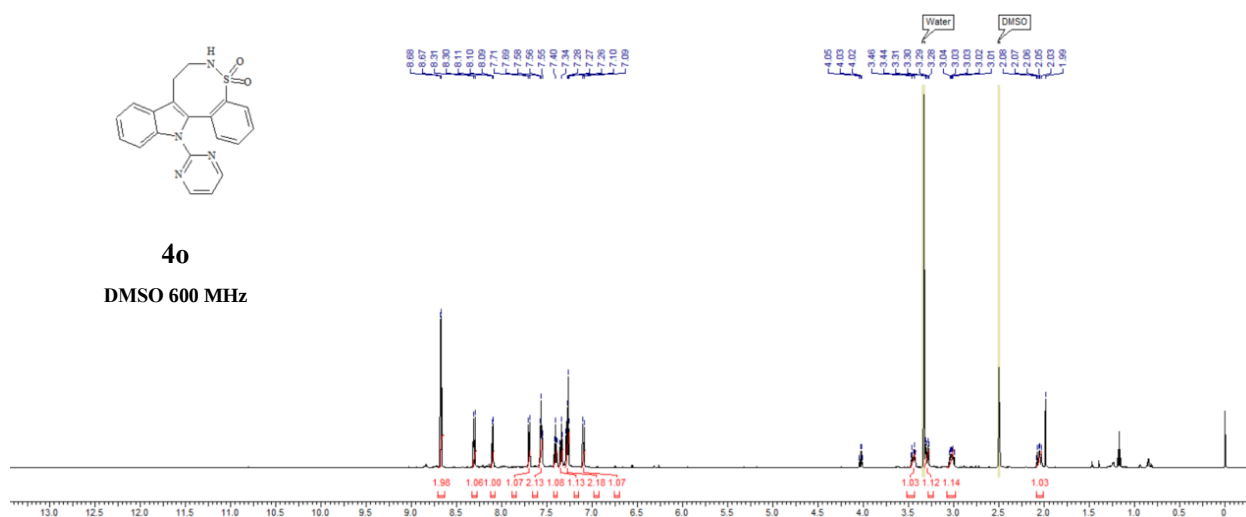
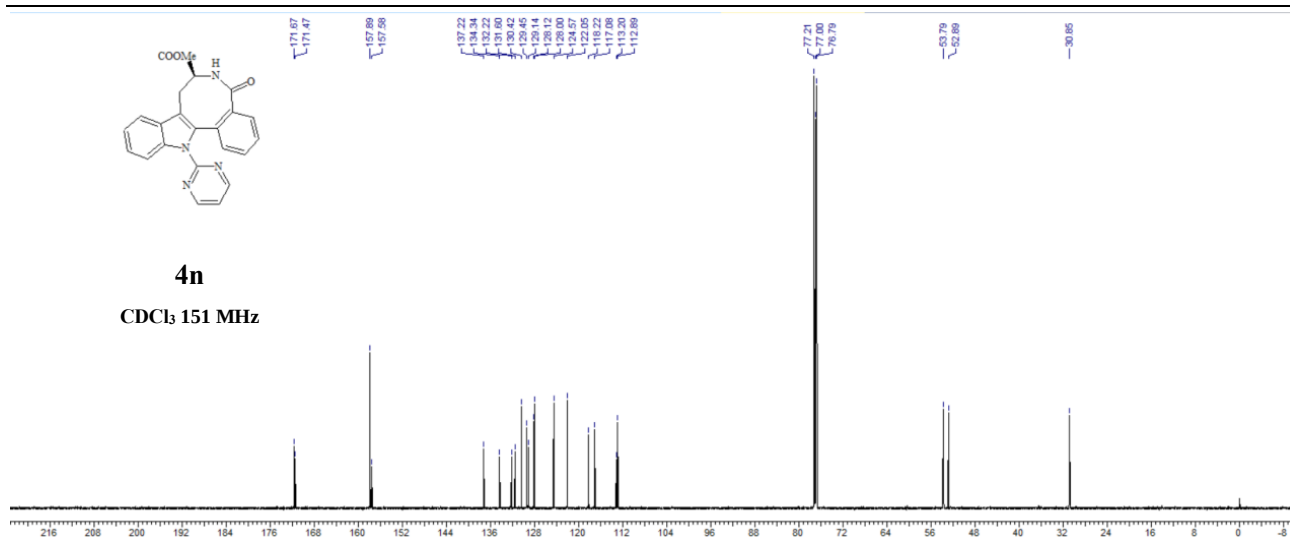


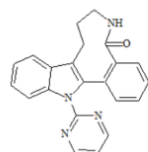
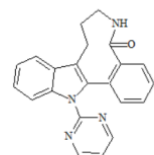
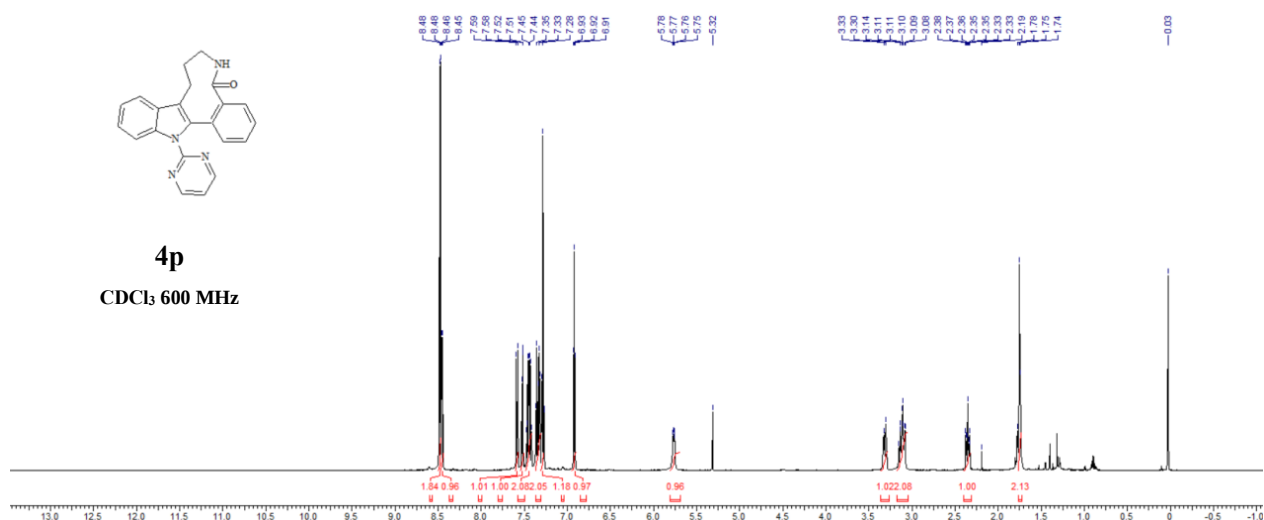
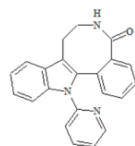
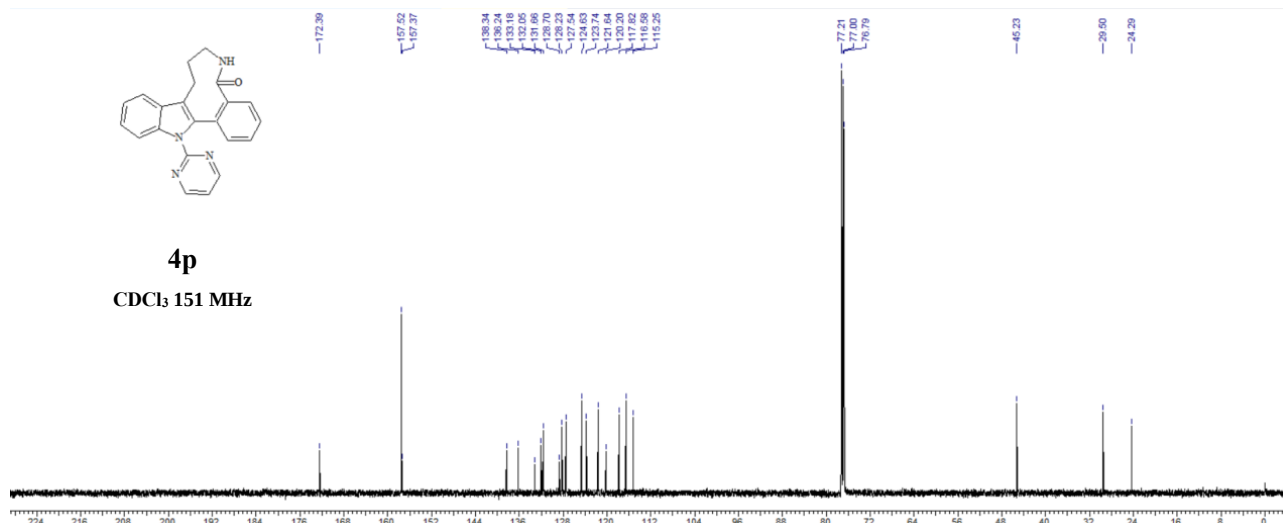
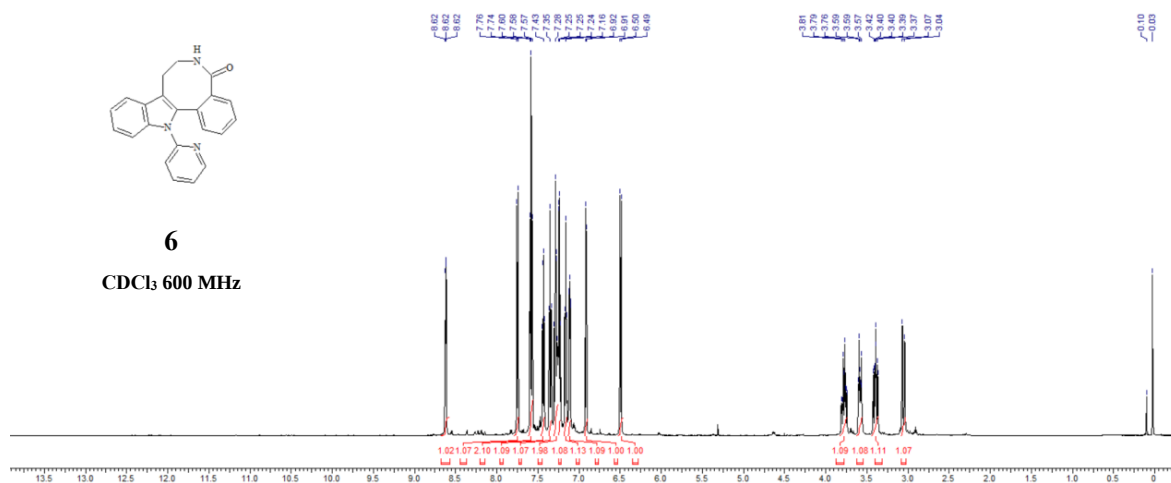


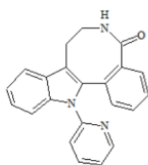
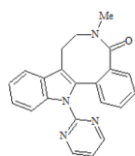
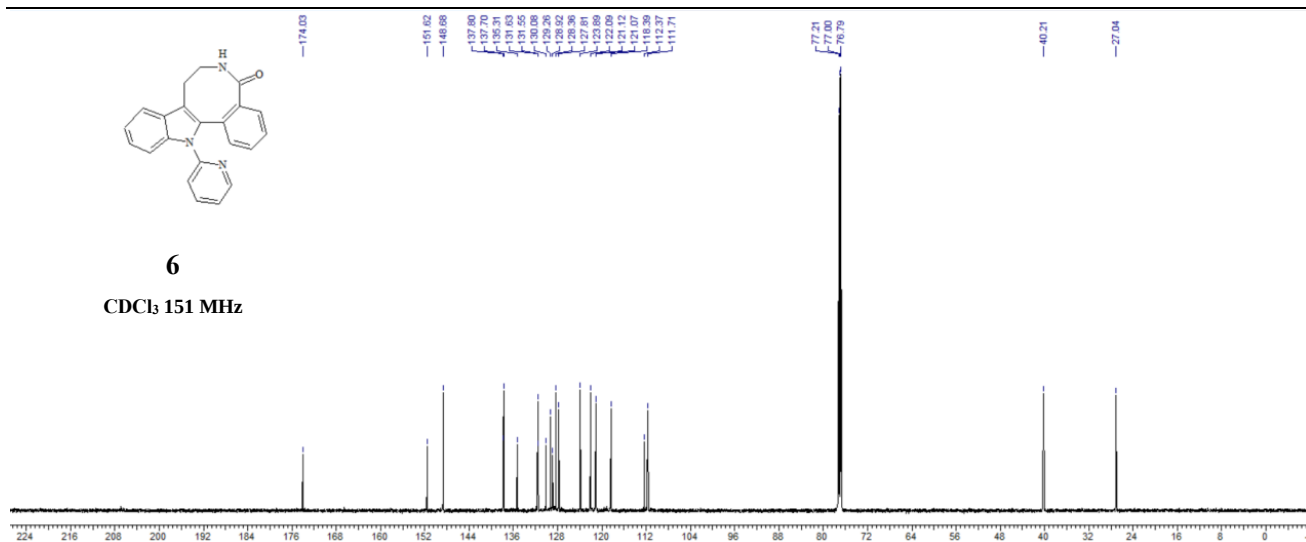
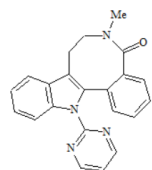
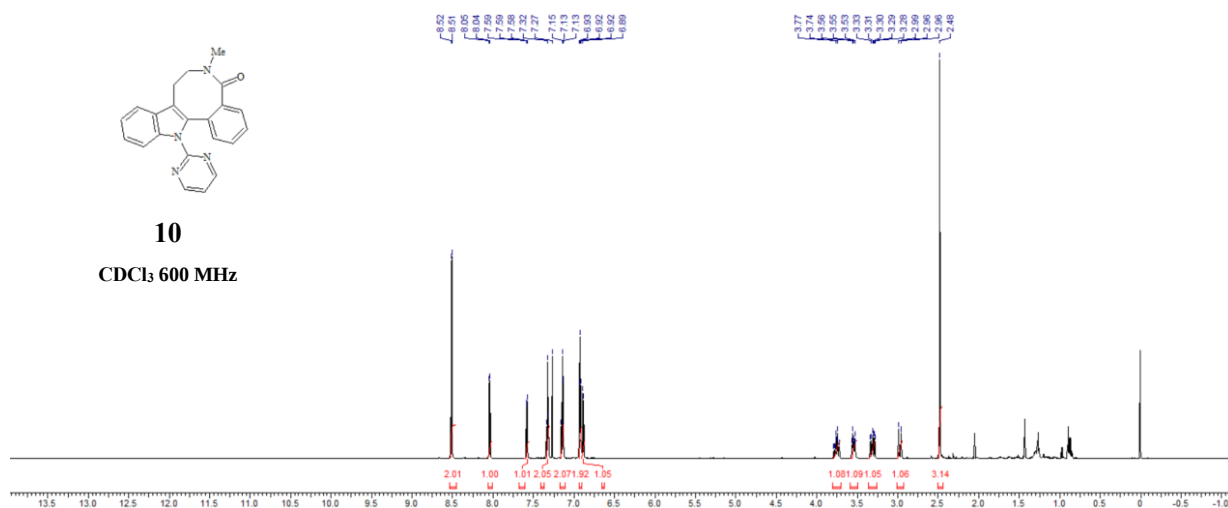
**4j**CDCl₃ 600 MHz**4j**CDCl₃ 151 MHz**4k**CDCl₃ 600 MHz

**4k**CDCl₃ 151 MHz**4l**CDCl₃ 600 MHz**4l**CDCl₃ 151 MHz





**4p**CDCl₃ 600 MHz**4p**CDCl₃ 151 MHz**6**CDCl₃ 600 MHz

**6**CDCl₃ 151 MHz**10**CDCl₃ 600 MHz**10**CDCl₃ 151 MHz