Supplementary Material

Phosgene-free synthesis of *N*-aryl-*N′*-(4-pyridinyl)ureas via selenium-catalyzed oxidative carbonylation of 4-aminopyridine with aromatic amines

Xiaopeng Zhang,* Zhengwei Li, Yan Wang, Shuxiang Dong, Xueli Niu, and Guisheng Zhang*

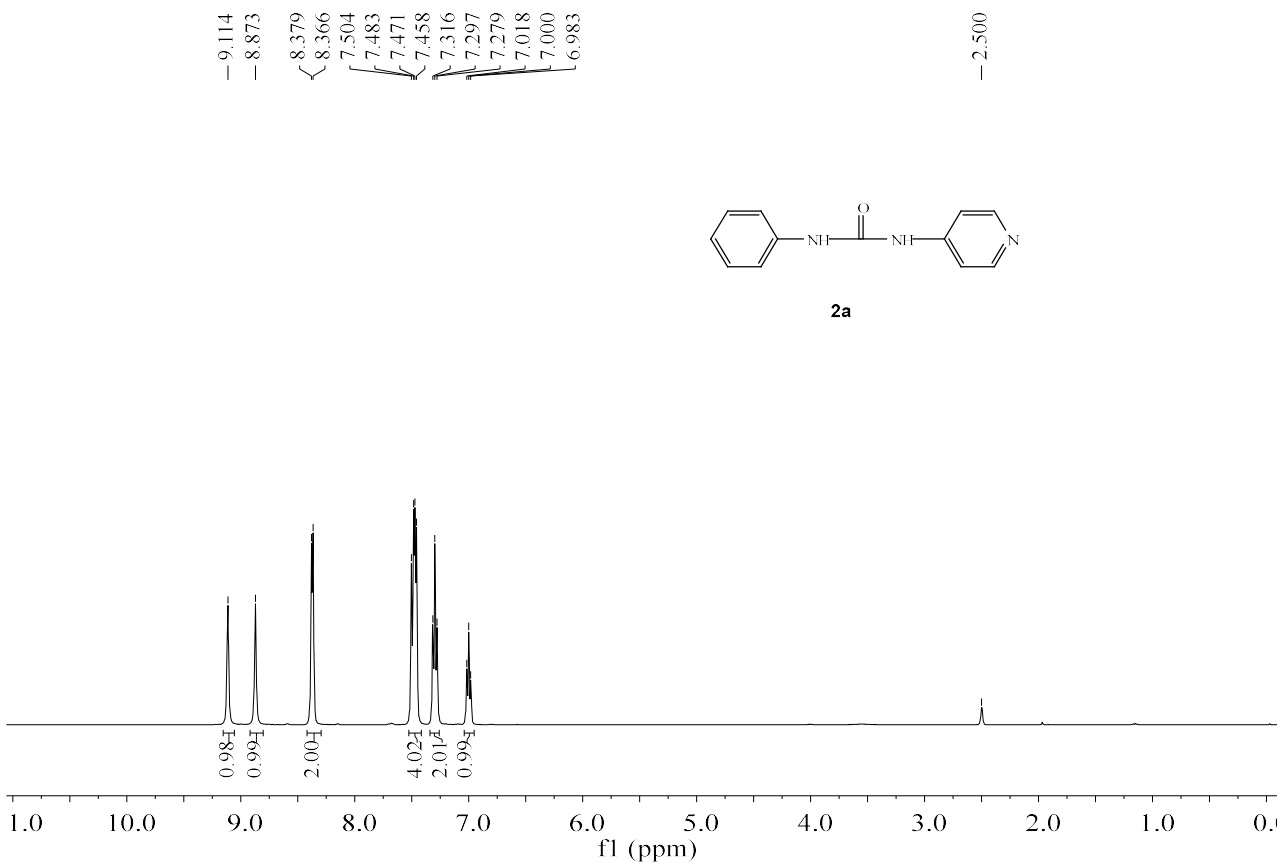
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Table of contents

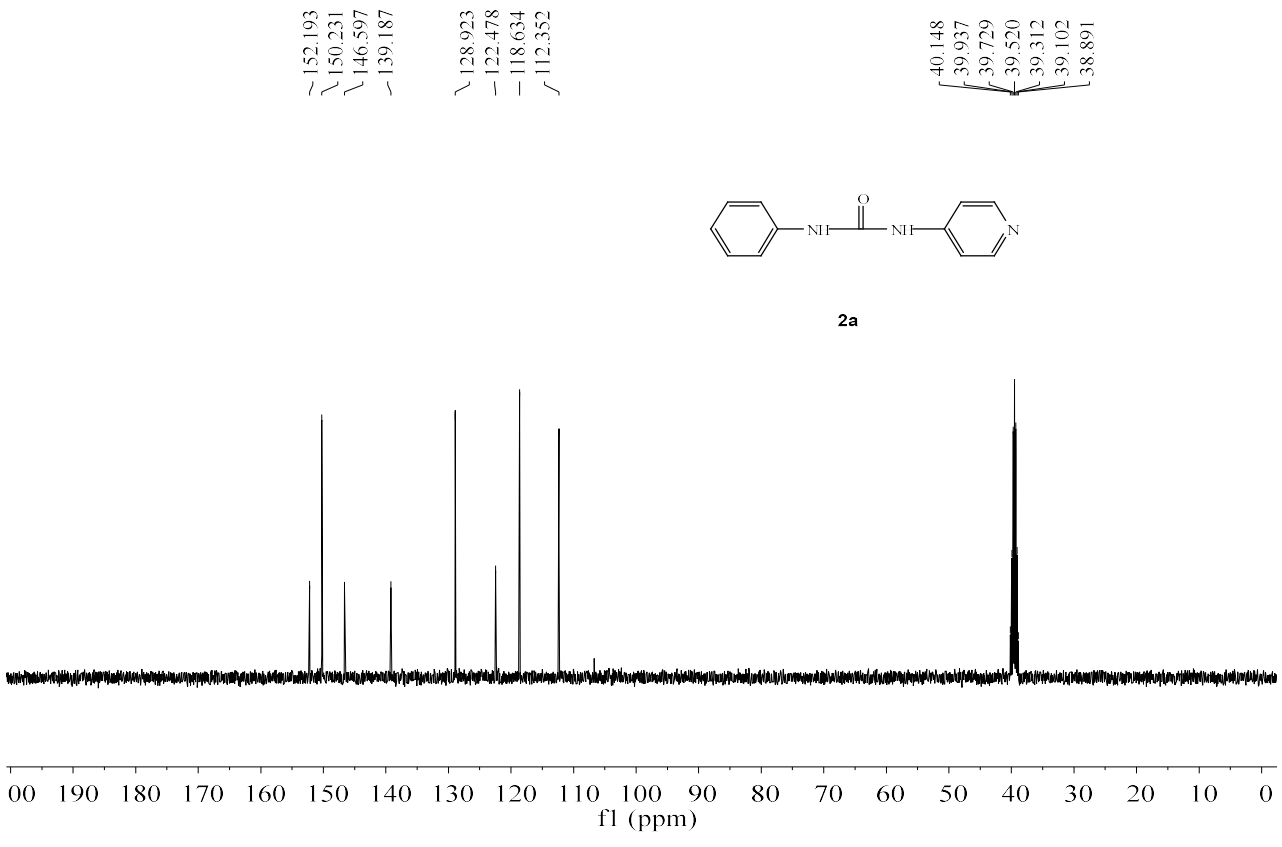
^{1}H NMR and ^{13}C NMR of **2a**……S2
^{1}H NMR and ^{13}C NMR of **2b**……S3
^{1}H NMR and ^{13}C NMR of **2c**……S4
^{1}H NMR and ^{13}C NMR of **2d**……S5
^{1}H NMR and ^{13}C NMR of **2f** ……S6
^{1}H NMR and ^{13}C NMR of **2g**……S7
^{1}H NMR and ^{13}C NMR of **2h**……S8
^{1}H NMR and ^{13}C NMR of **2i** ……S9
^{1}H NMR and ^{13}C NMR of **2j** ……S10
^{1}H NMR and ^{13}C NMR of **2k**……S11
^{1}H NMR and ^{13}C NMR of **2l** ……S12
^{1}H NMR and ^{13}C NMR of **2m**. ……S13
^{1}H NMR and ^{13}C NMR of **2n**……S14
^{1}H NMR and ^{13}C NMR of **2o**……S15
^{1}H NMR and ^{13}C NMR of **2p**……S16
^{1}H NMR and ^{13}C NMR of **2q**……S17
^{1}H NMR and ^{13}C NMR of **2r**……S18
^{1}H NMR and ^{13}C NMR of **2s** ……S19
^{1}H NMR and ^{13}C NMR of **2v** ……S20
^{1}H NMR and ^{13}C NMR of **2w**……S21

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^{1}H NMR of **2a**

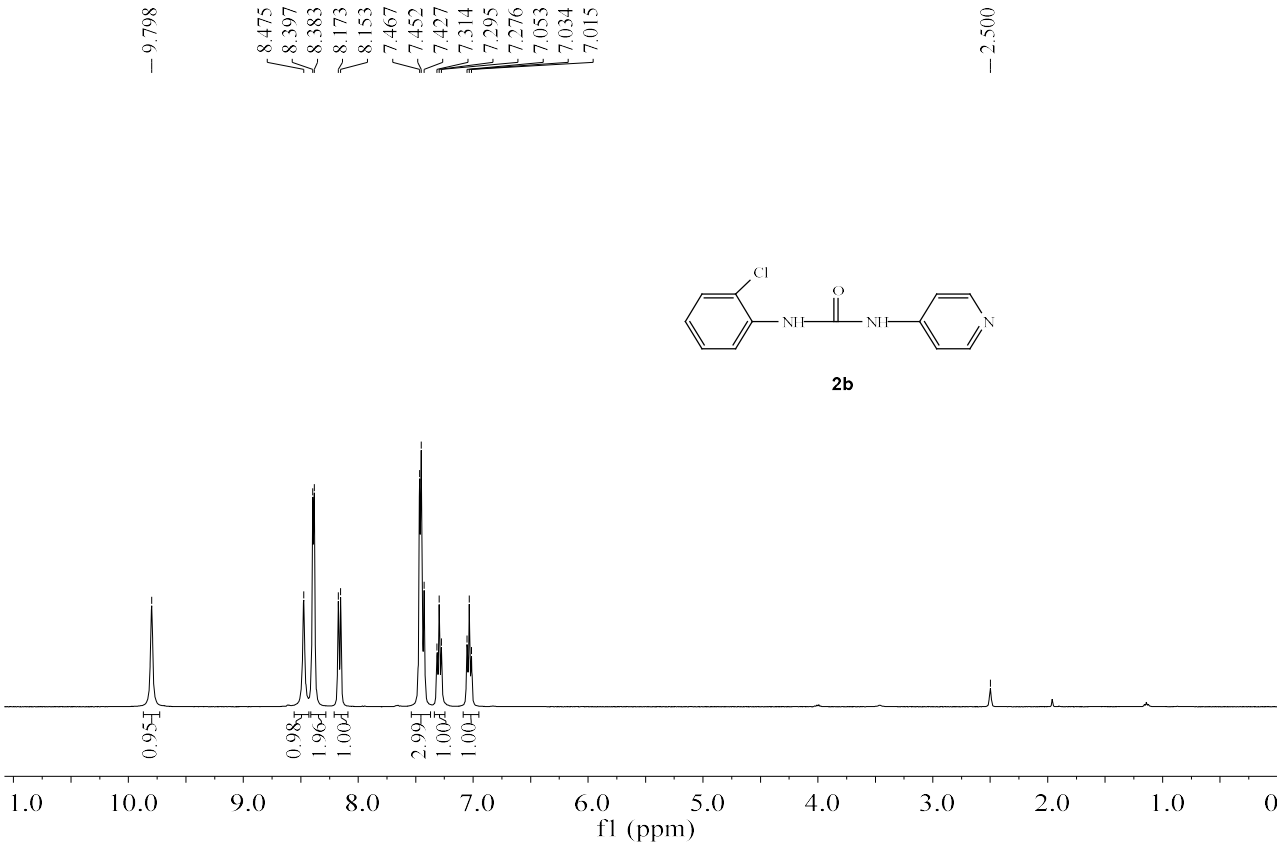


^{13}C NMR of **2a**

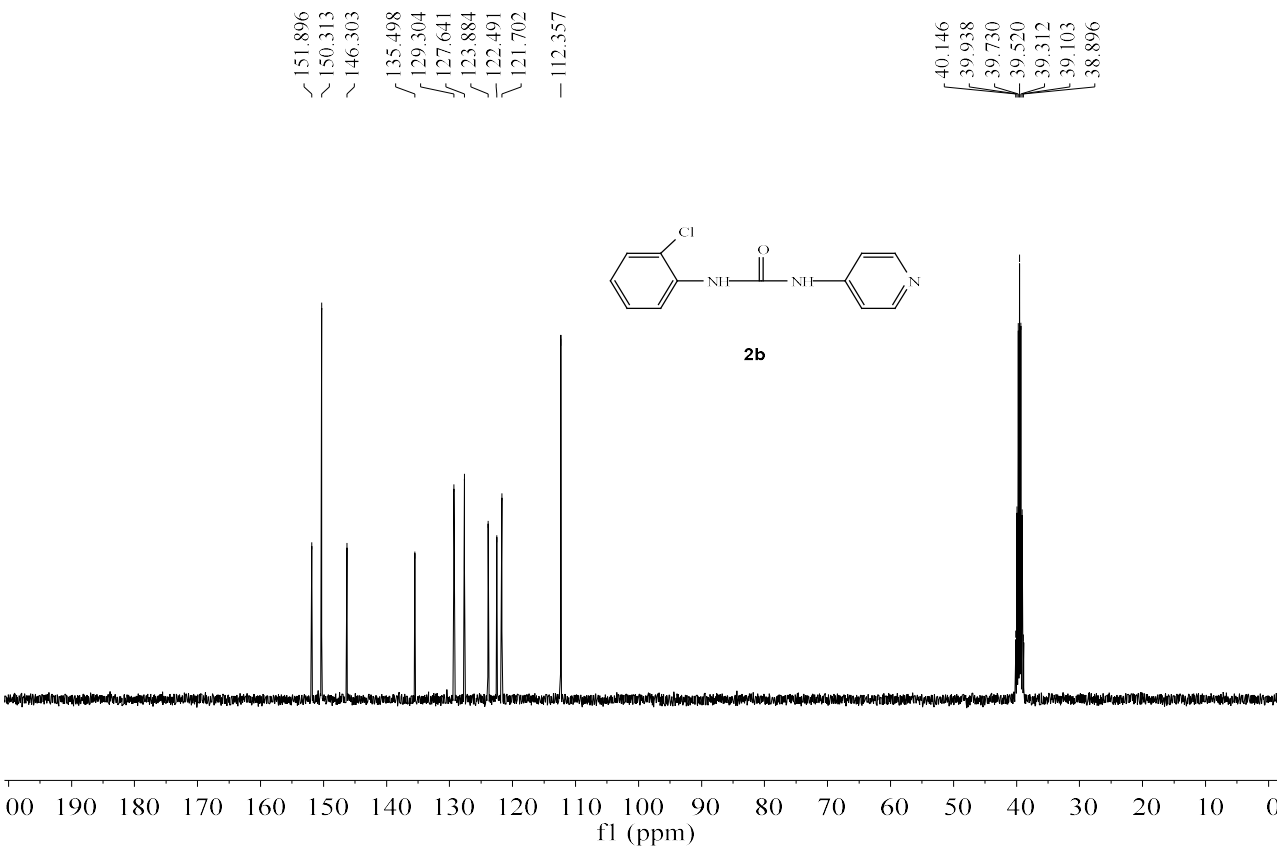


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^{1}H NMR of **2b**

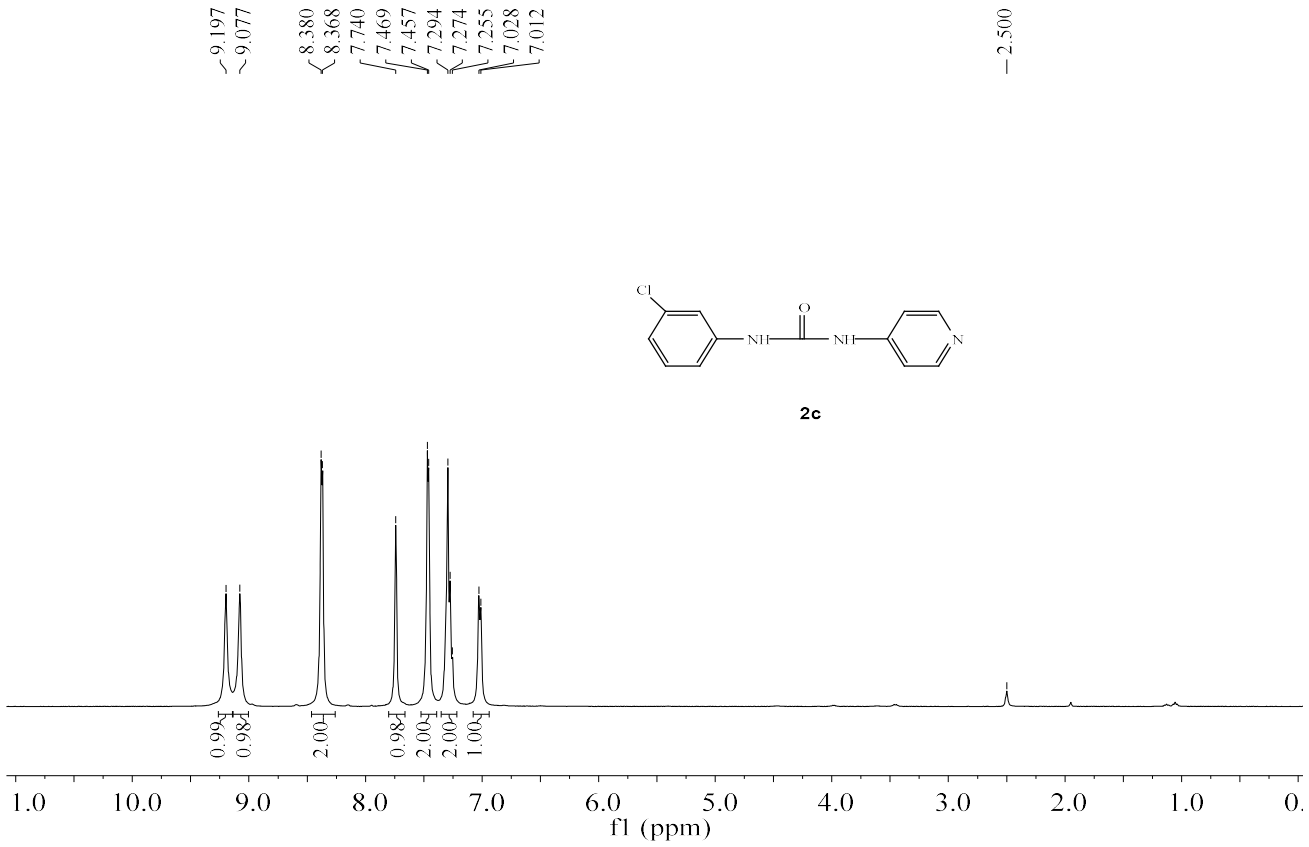


^{13}C NMR of **2b**

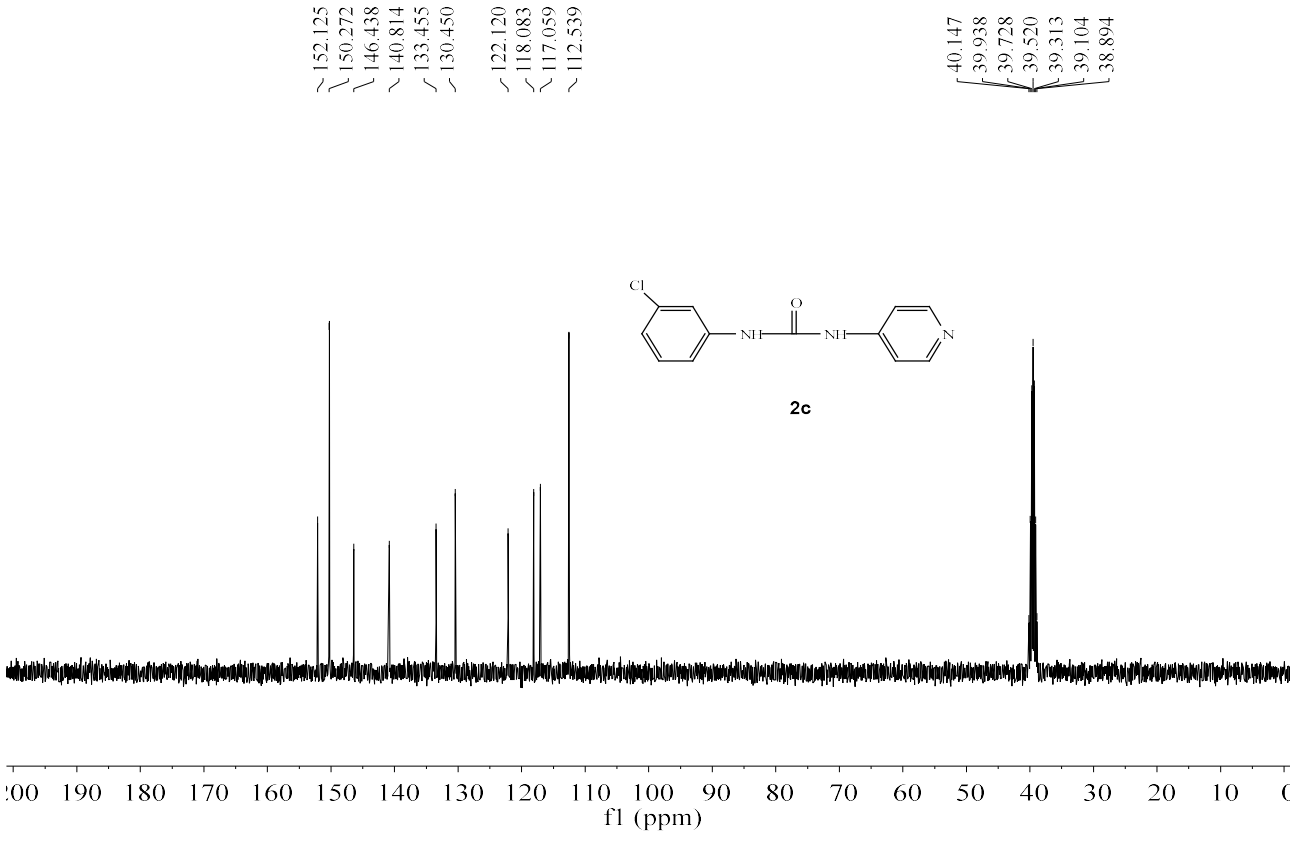


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^{1}H NMR of **2c**

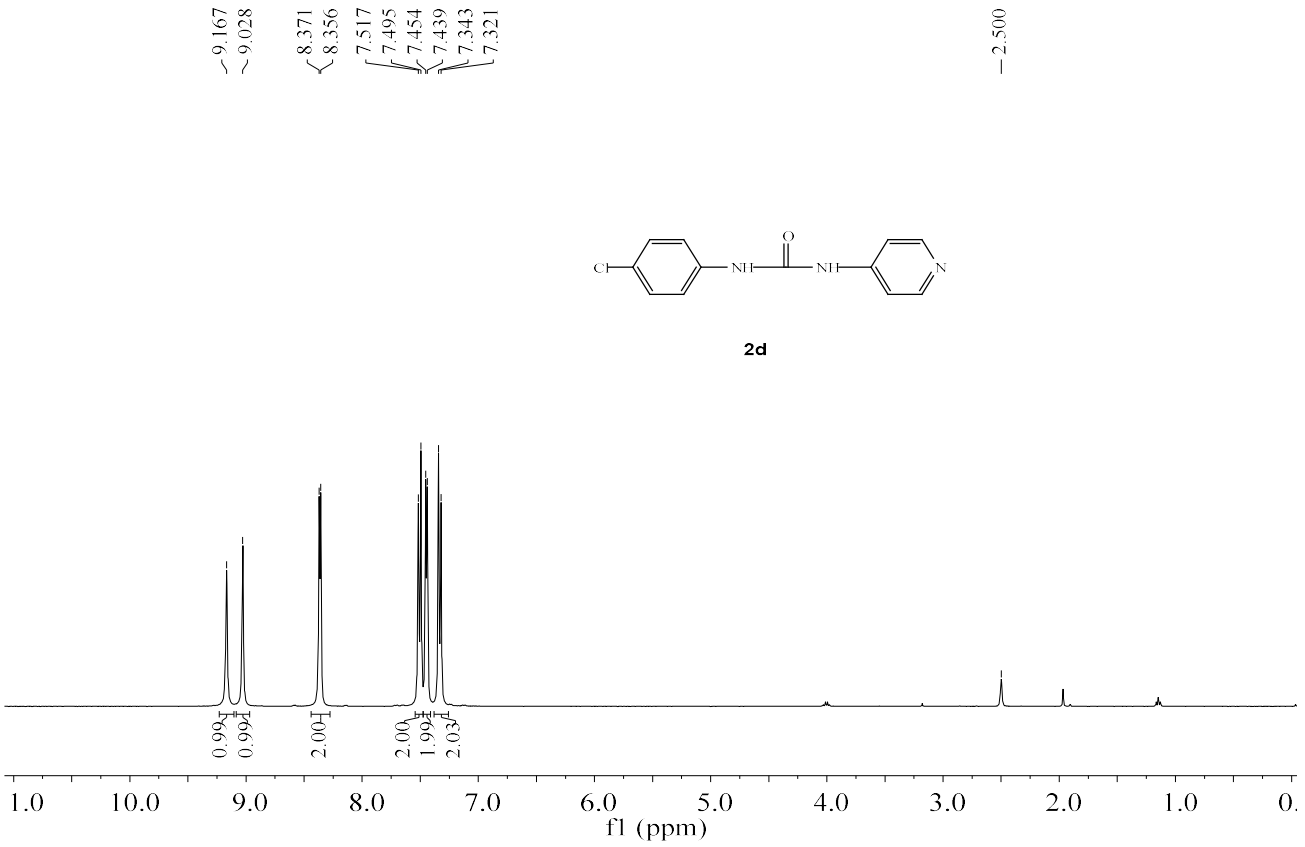


^{13}C NMR of **2c**

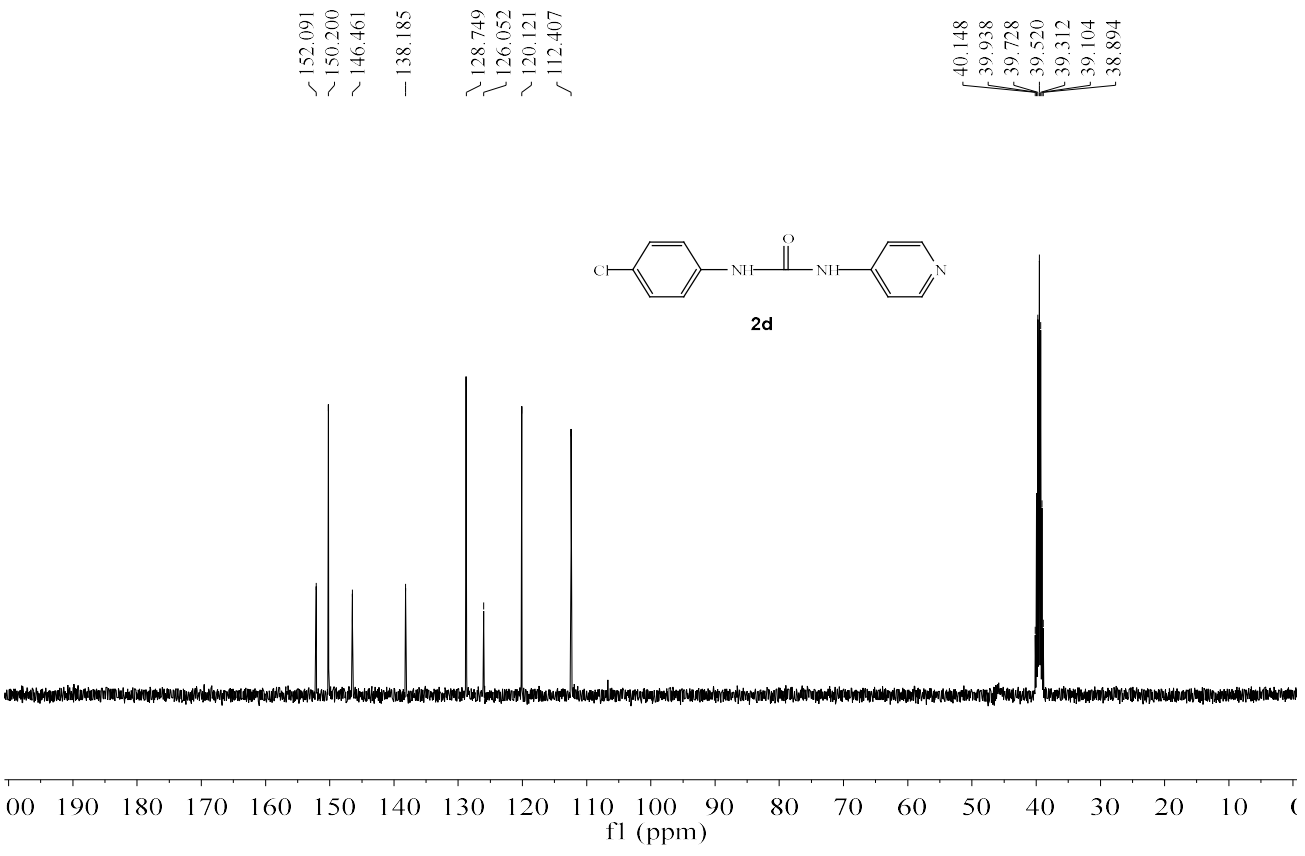


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^{1}H NMR of **2d**

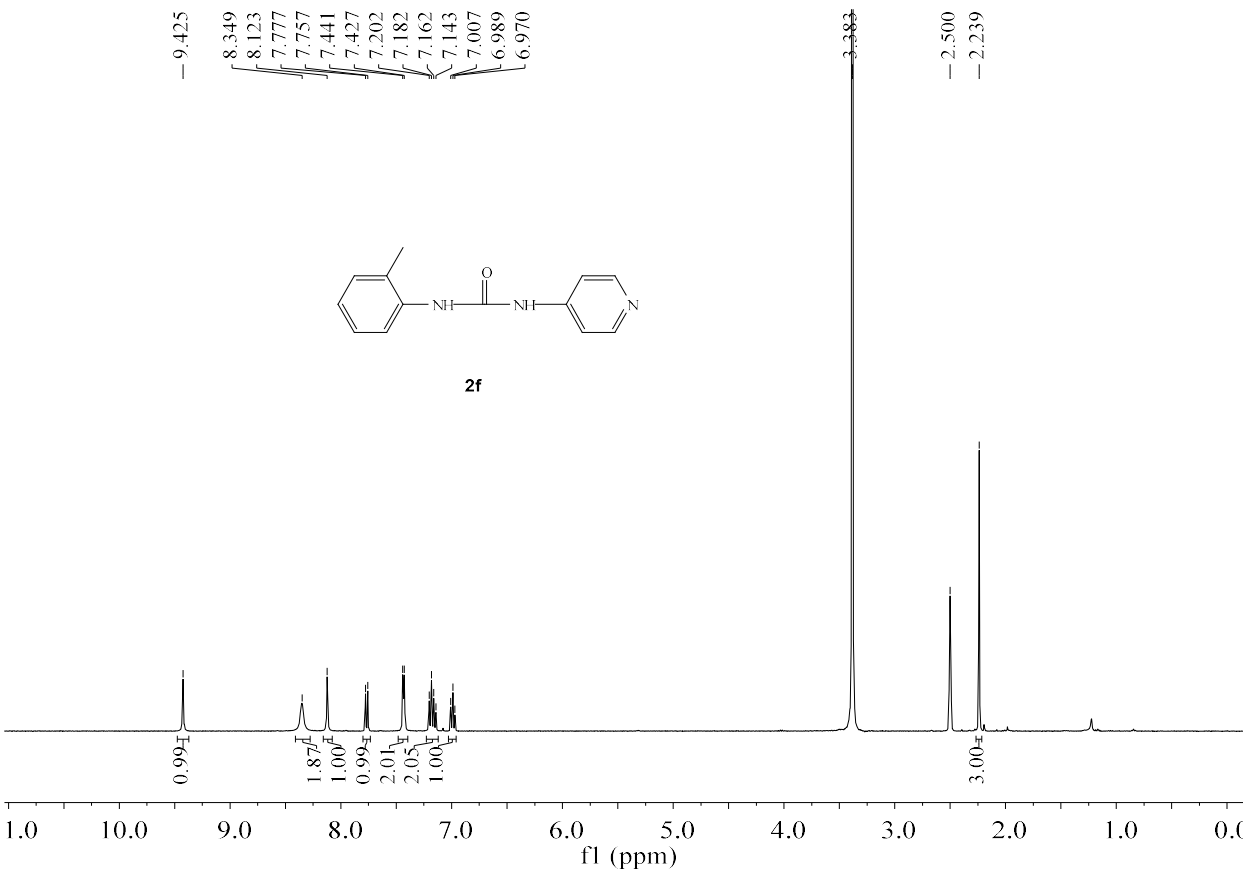


^{13}C NMR of **2d**

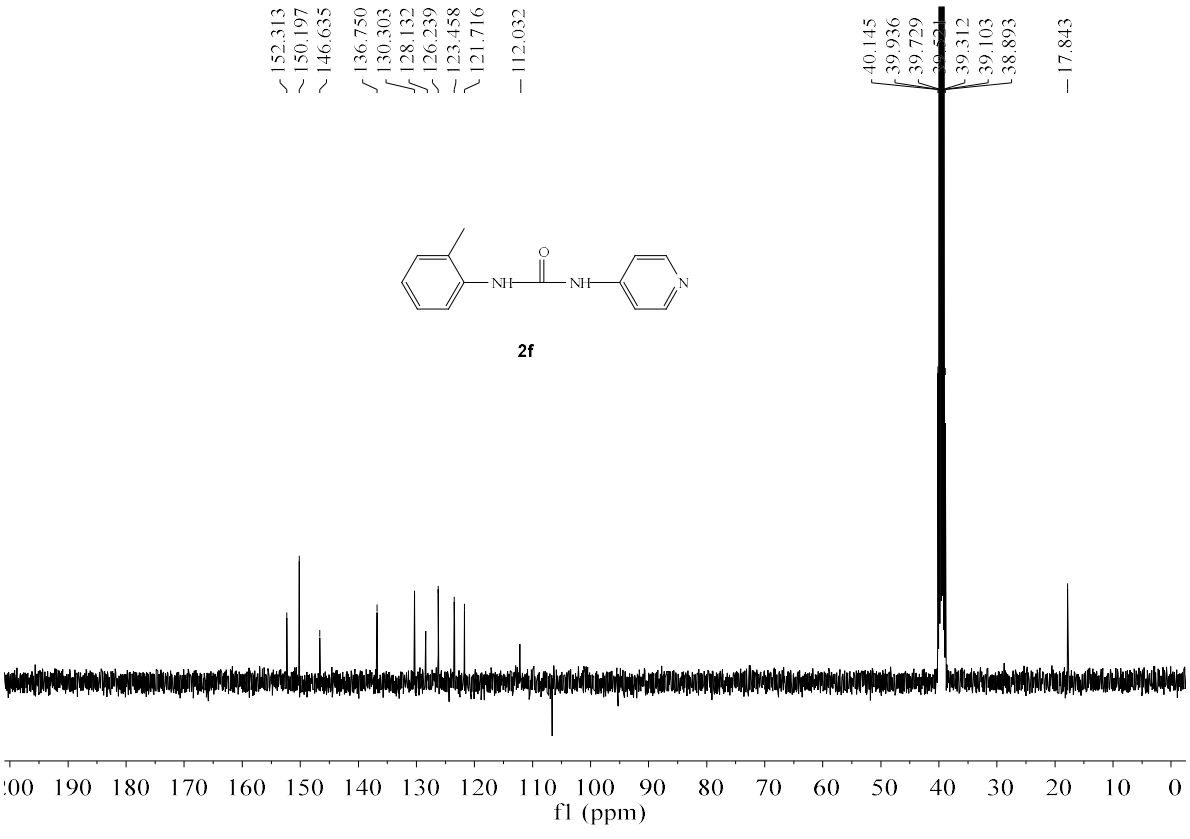


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^{1}H NMR of **2f**

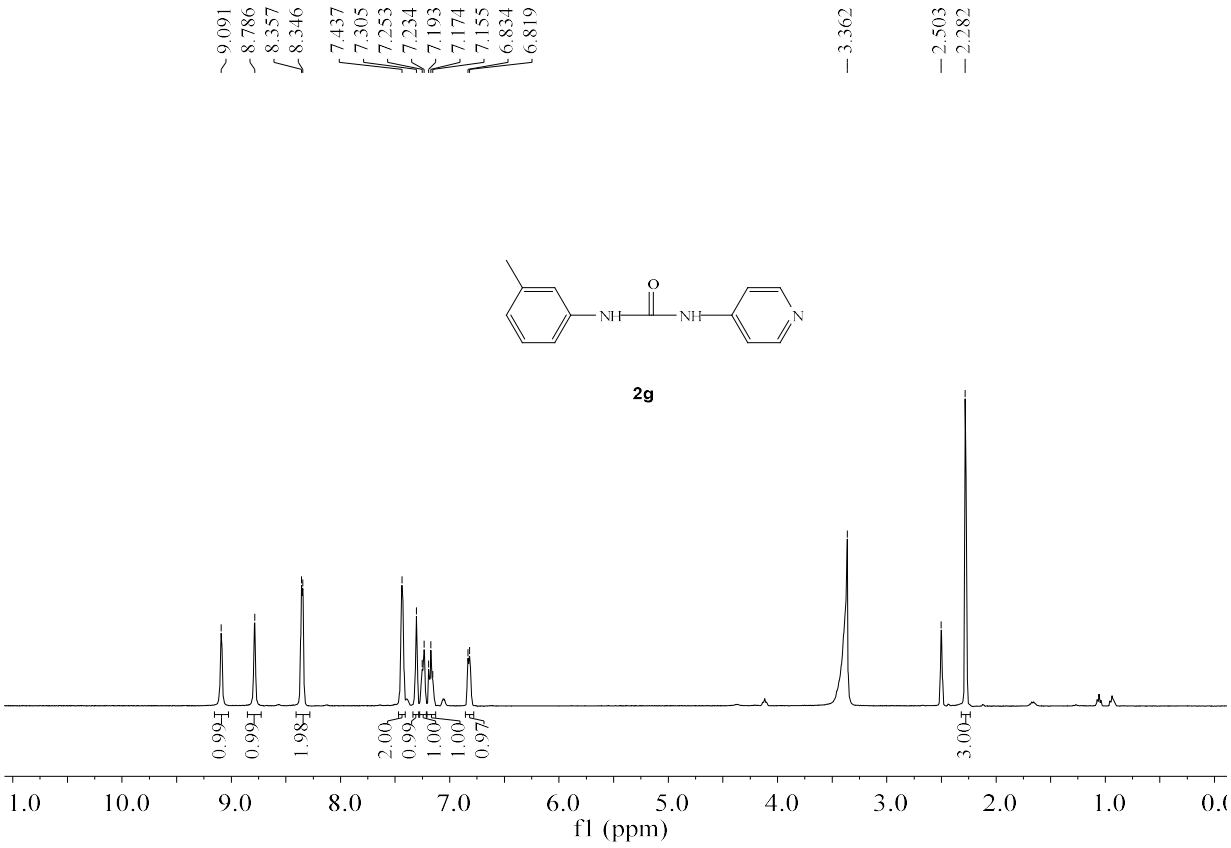


^{13}C NMR of **2f**

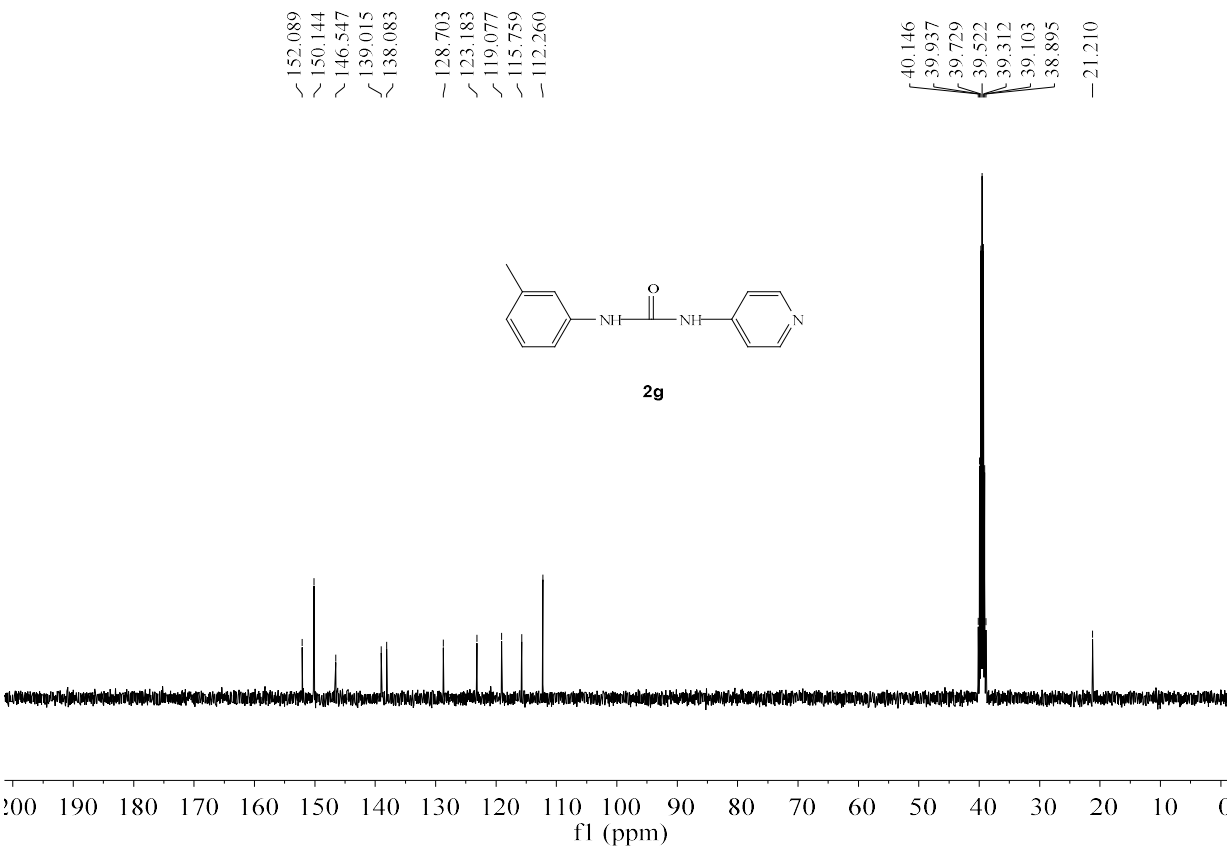


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^{1}H NMR of **2g**

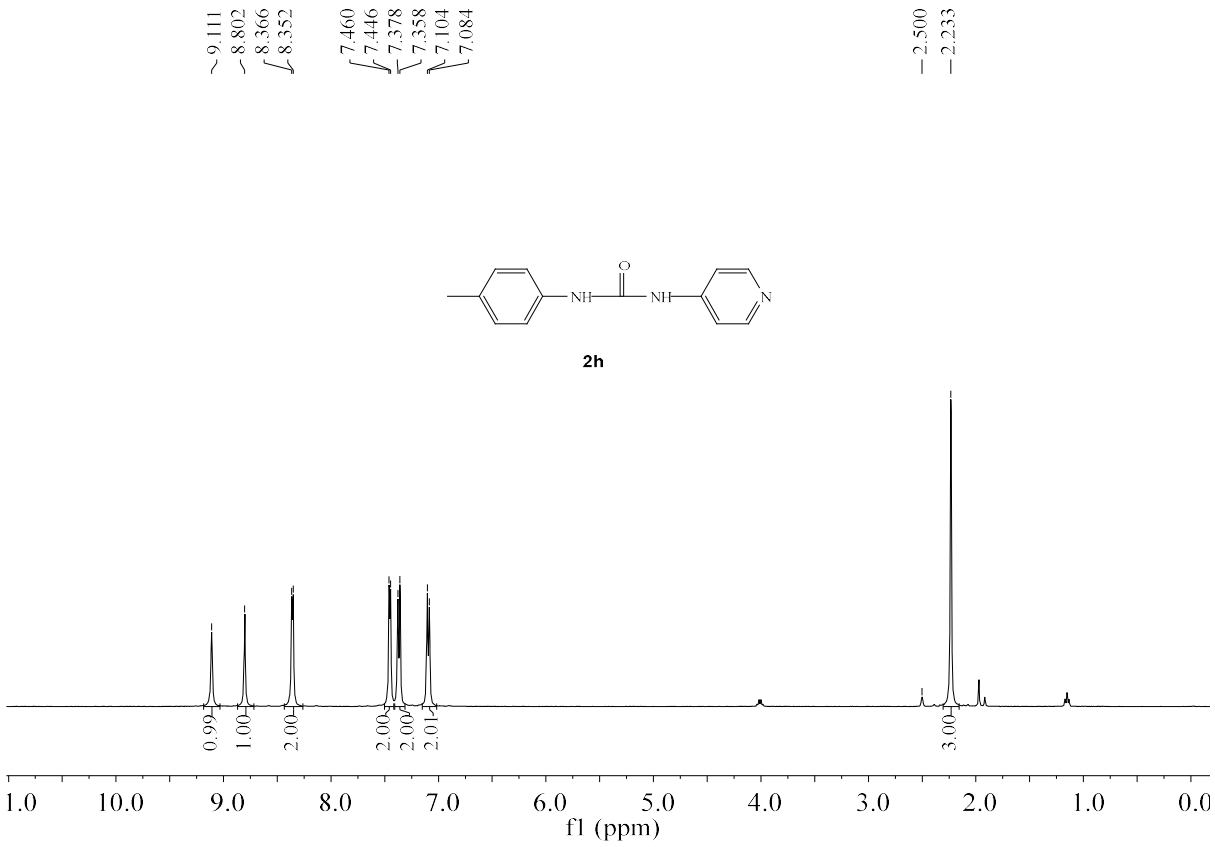


^{13}C NMR of **2g**

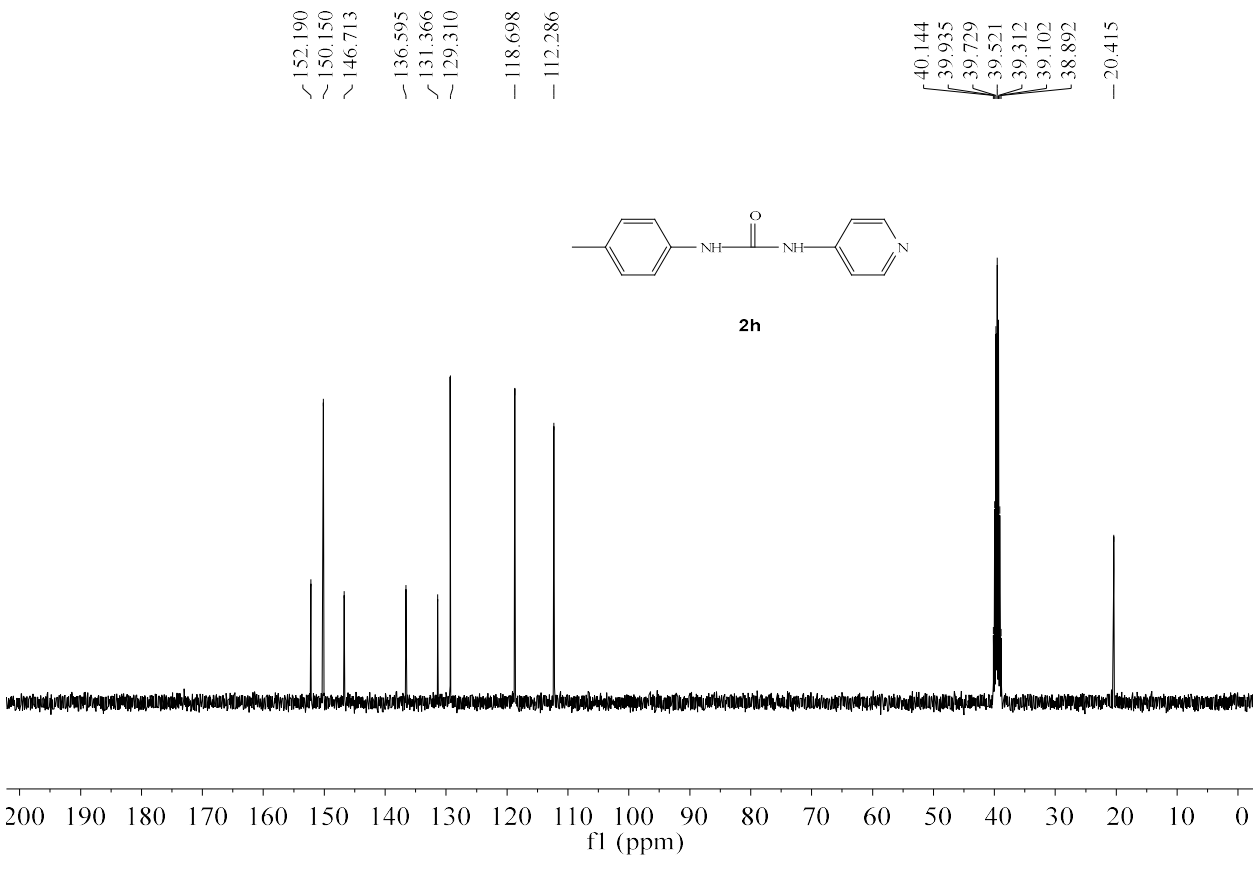


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^{1}H NMR of **2h**

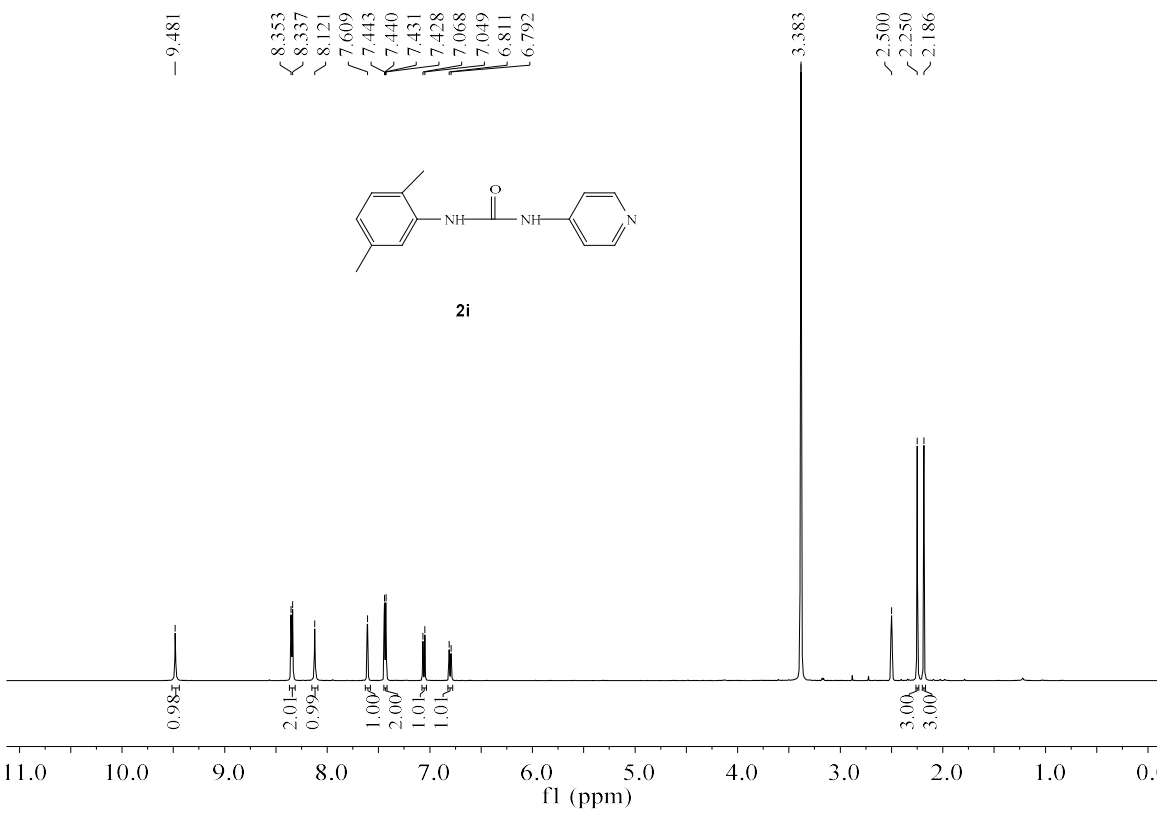


^{13}C NMR of **2h**

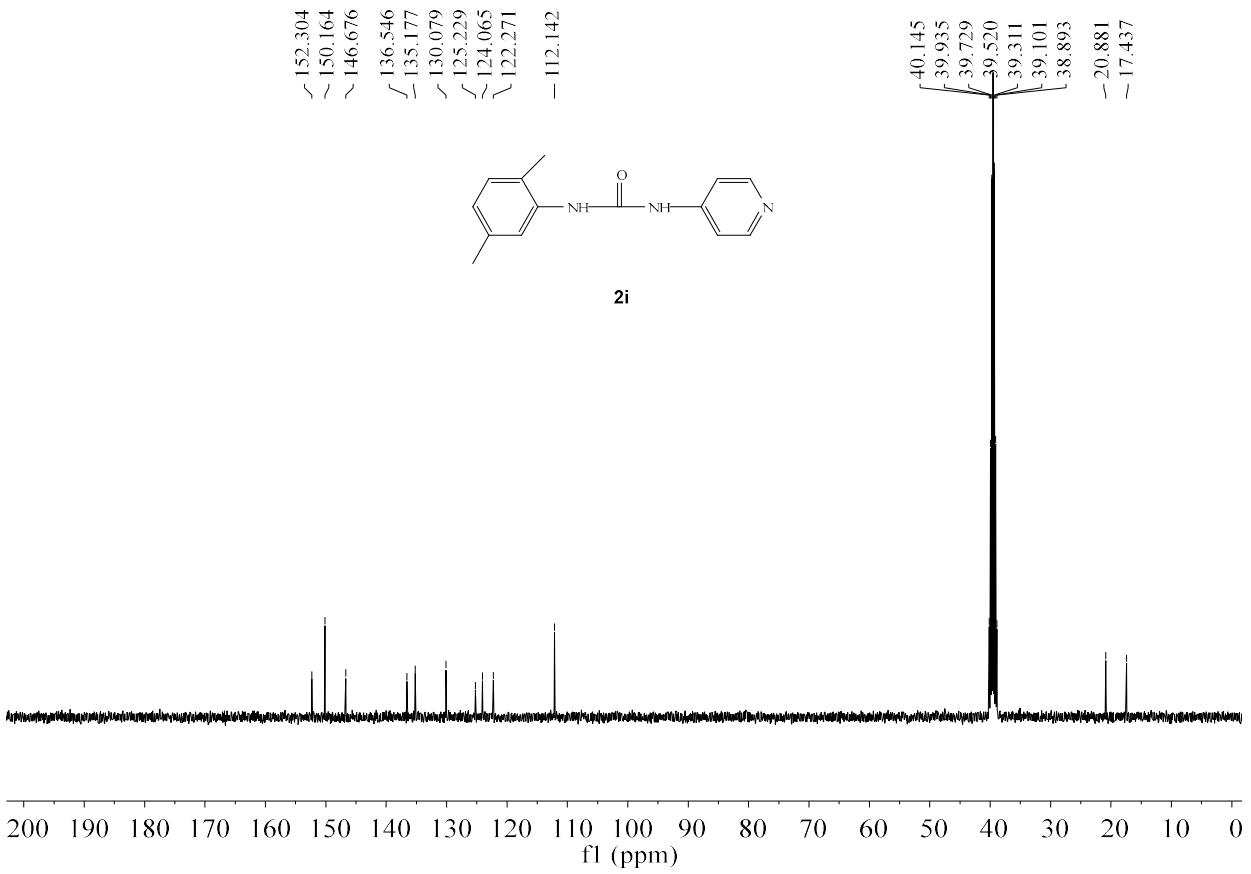


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^{1}H NMR of **2i**

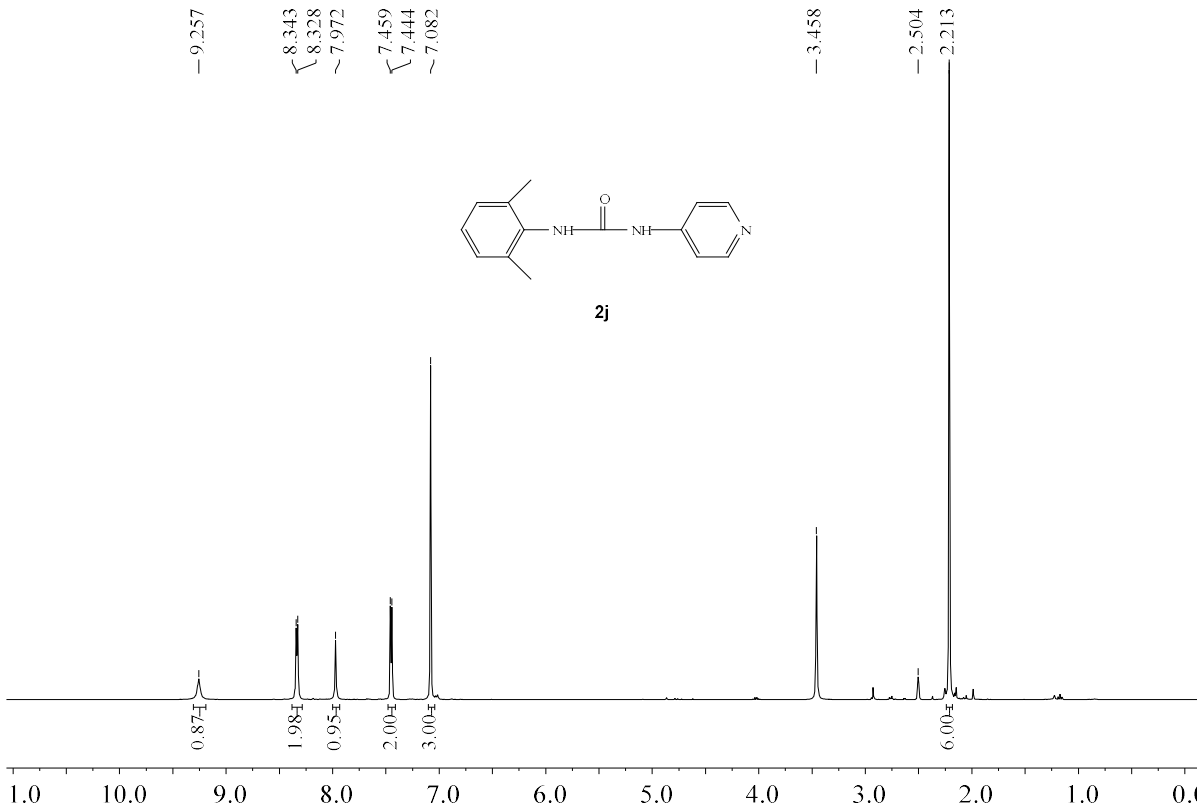


^{13}C NMR of **2i**

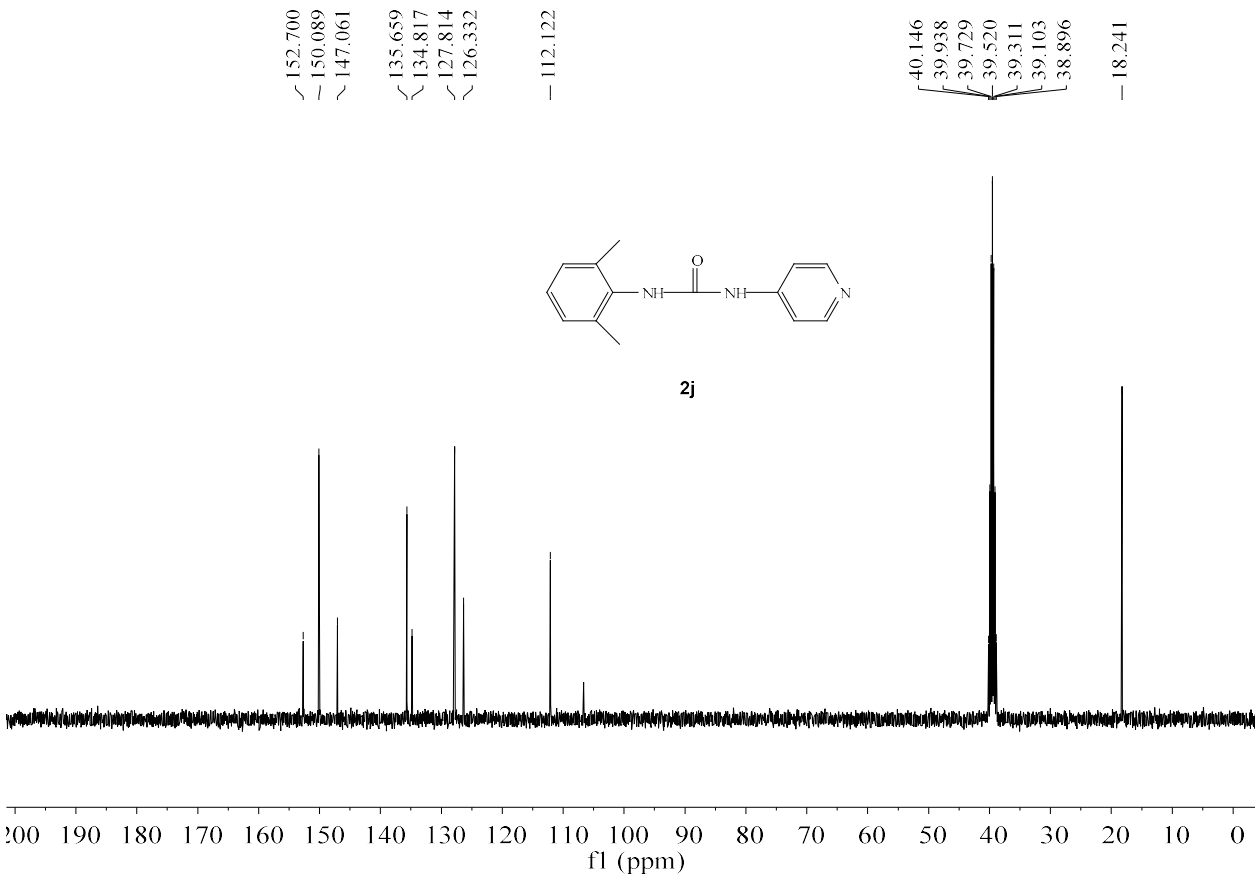


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^{1}H NMR of **2j**

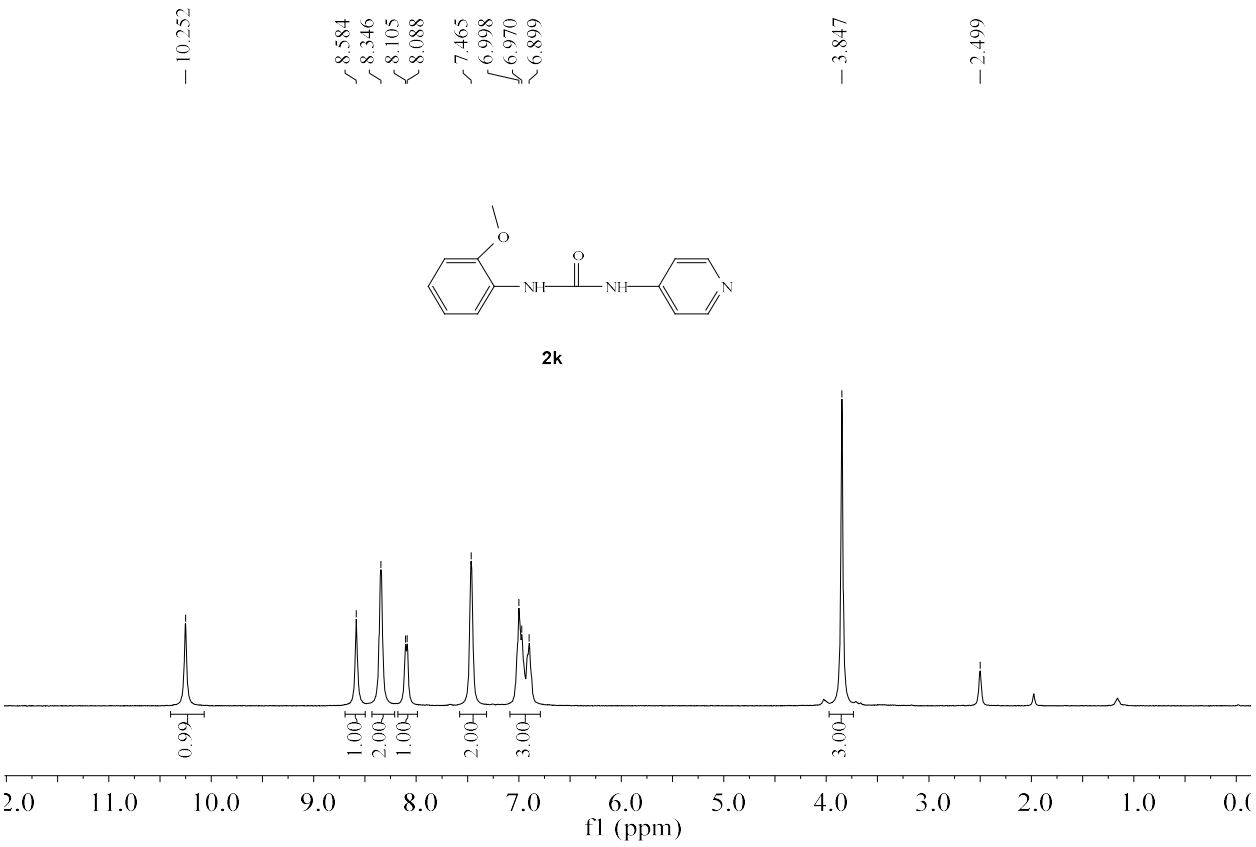


^{13}C NMR of **2j**

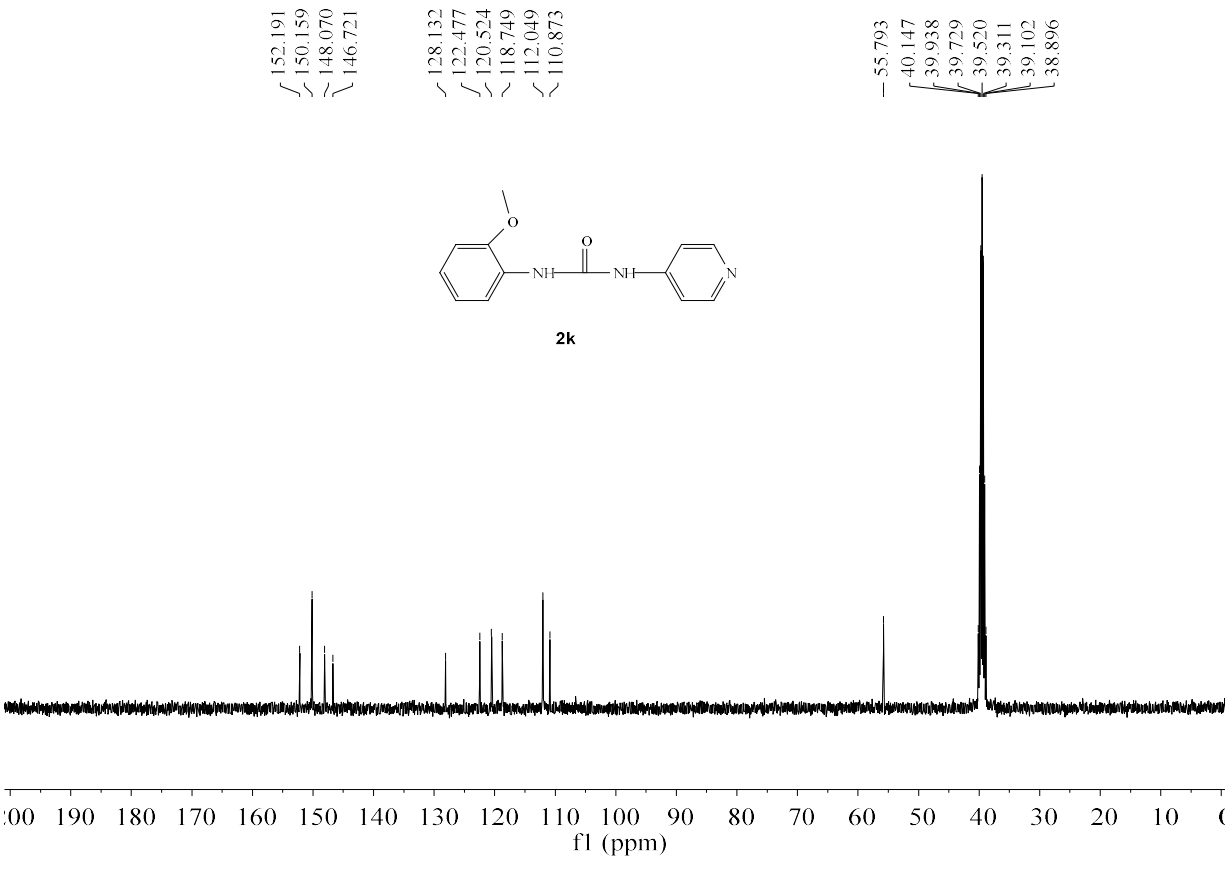


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^{1}H NMR of **2k**

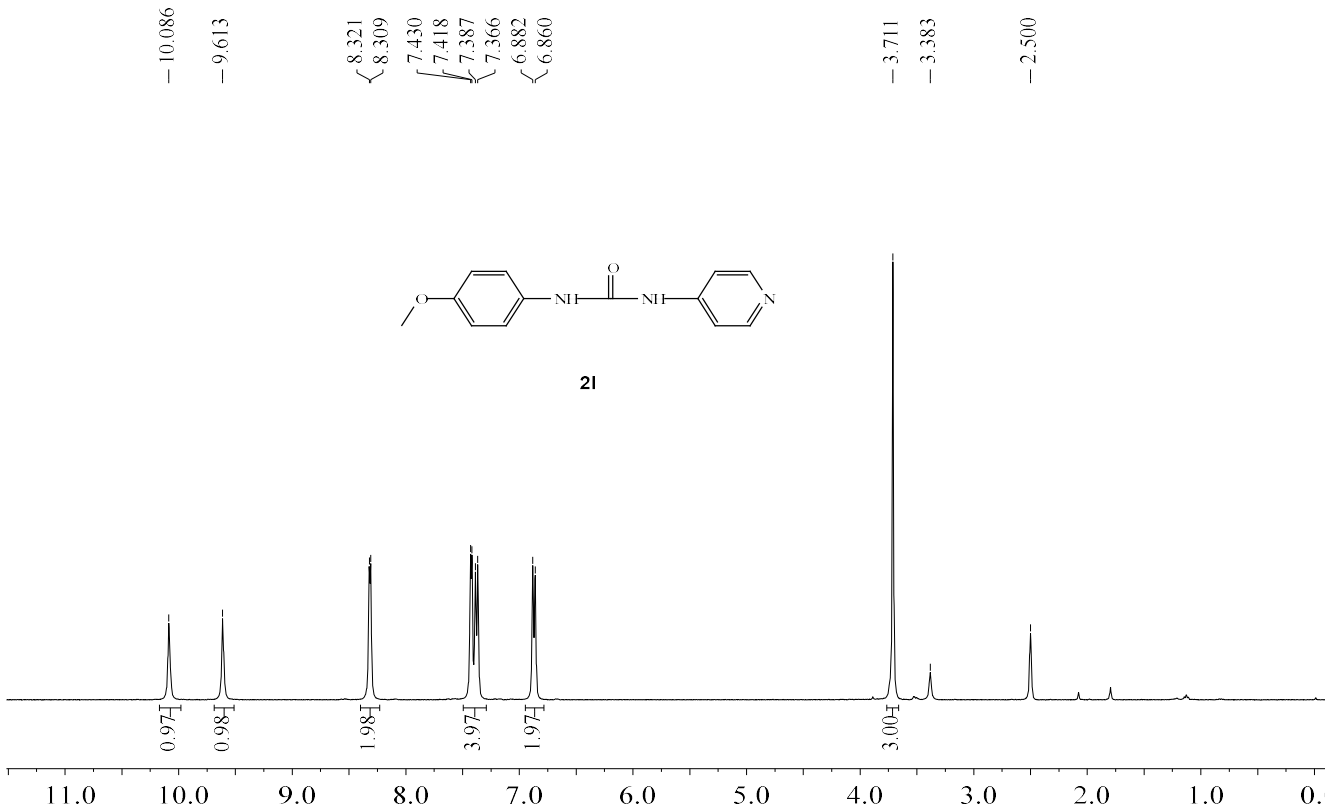


^{13}C NMR of **2k**

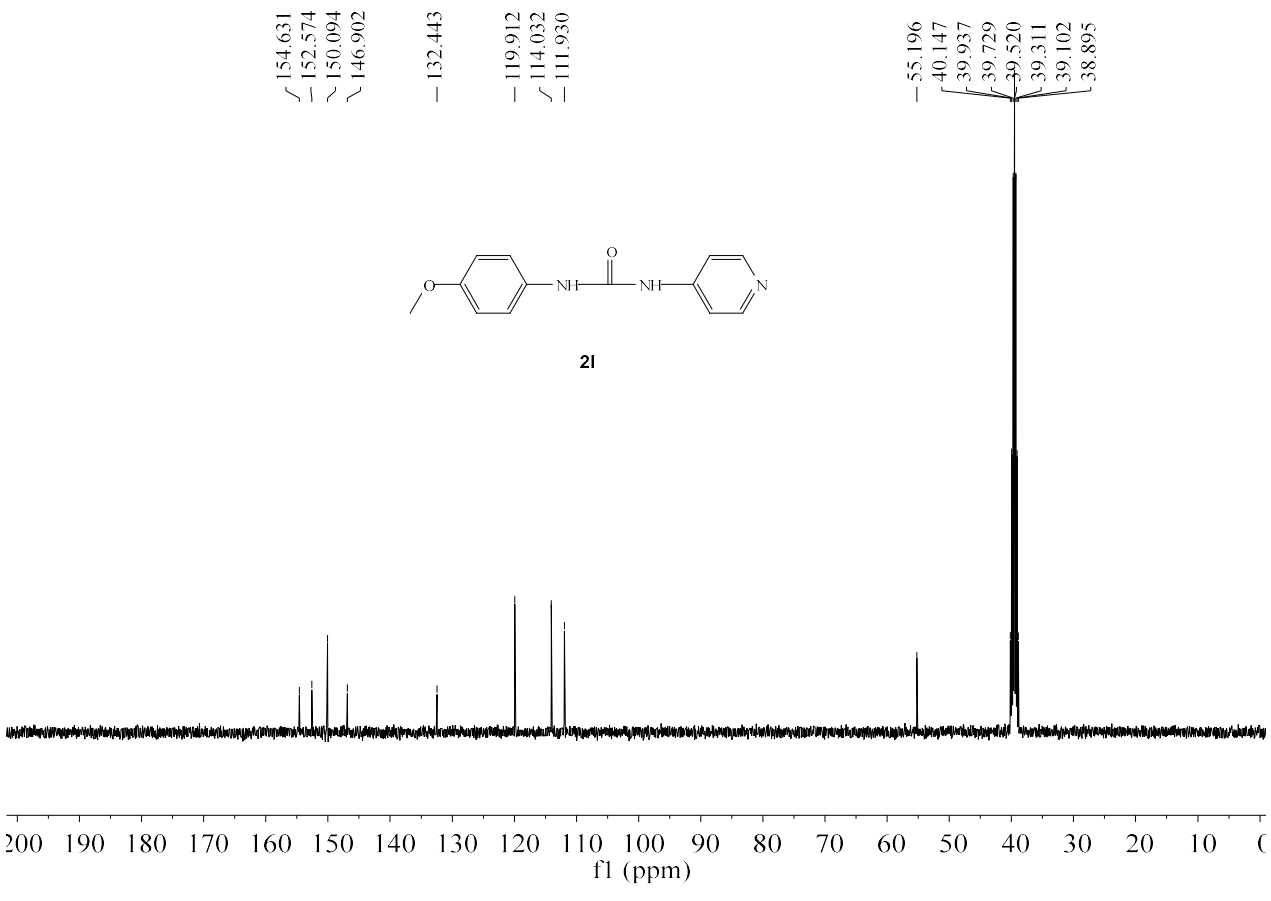


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^{1}H NMR of **2l**

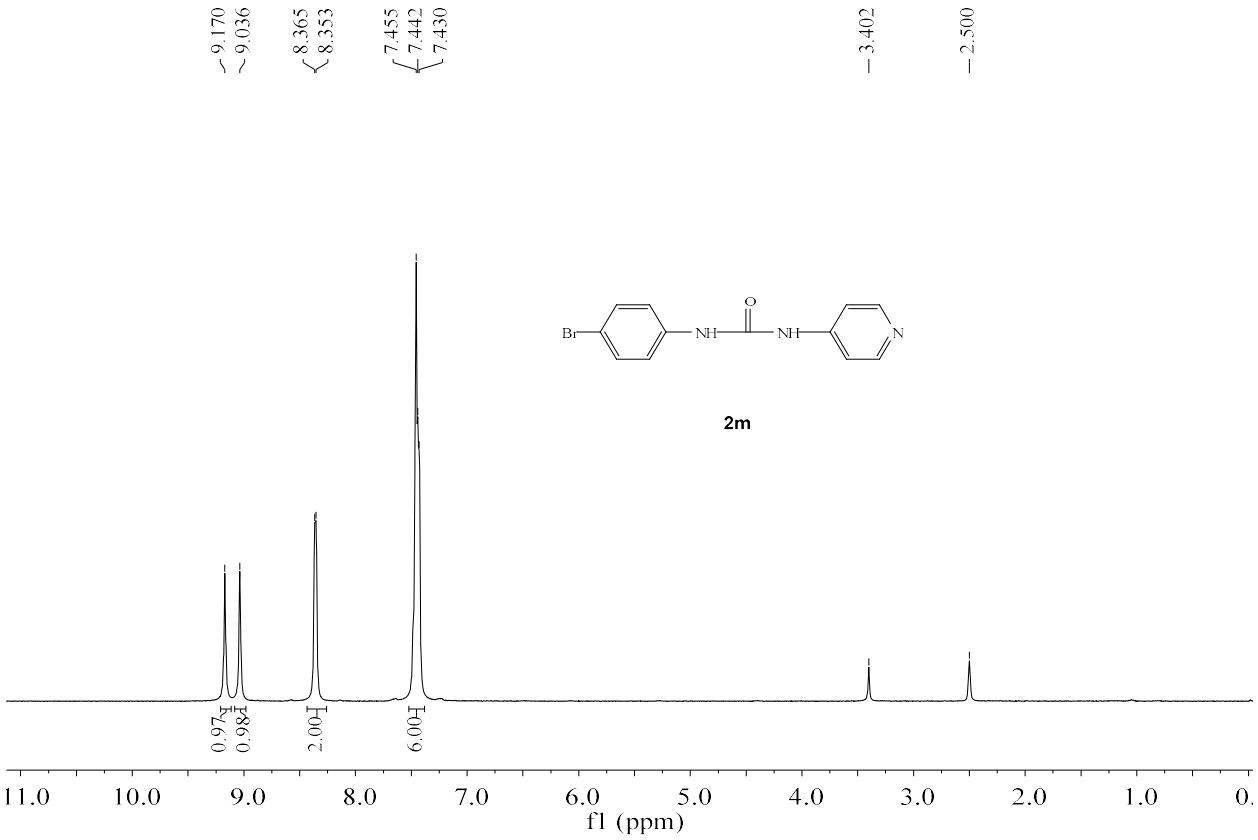


^{13}C NMR of **2l**

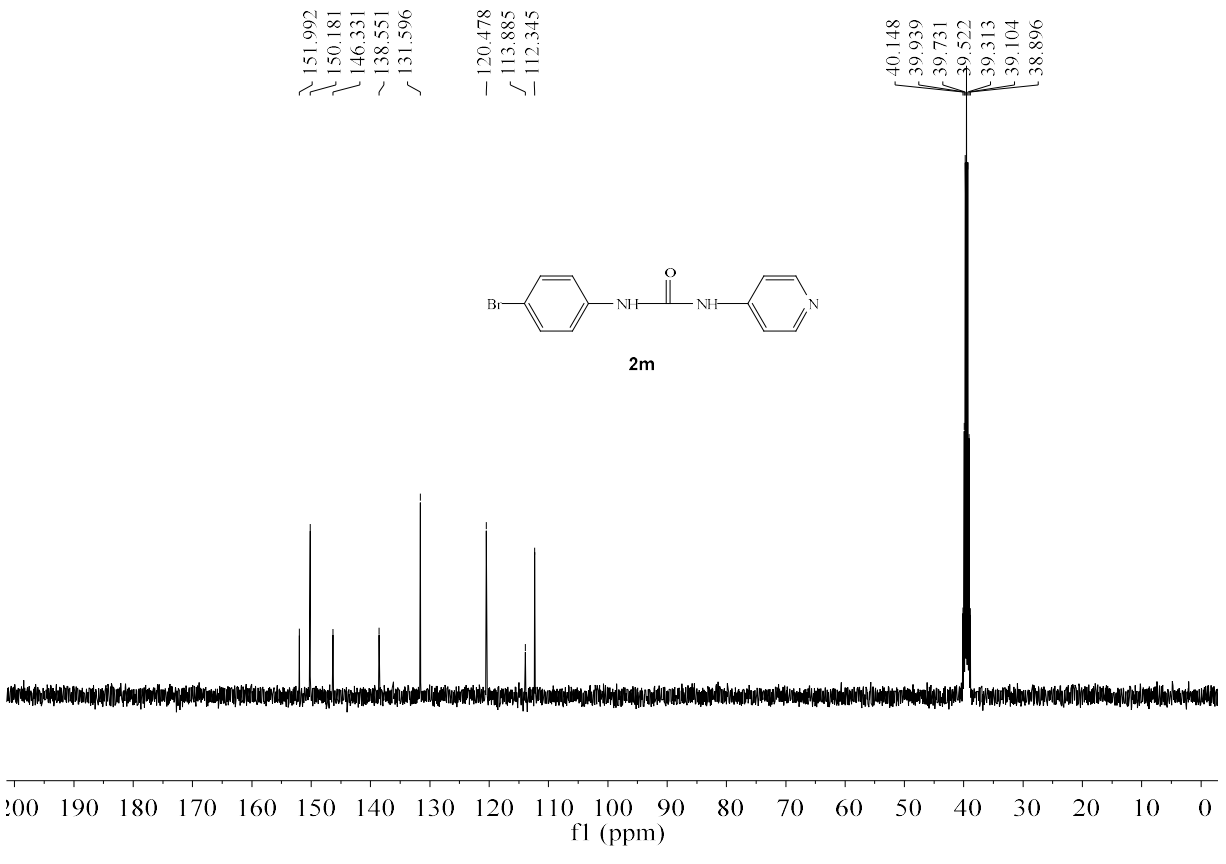


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^{1}H NMR of **2m**

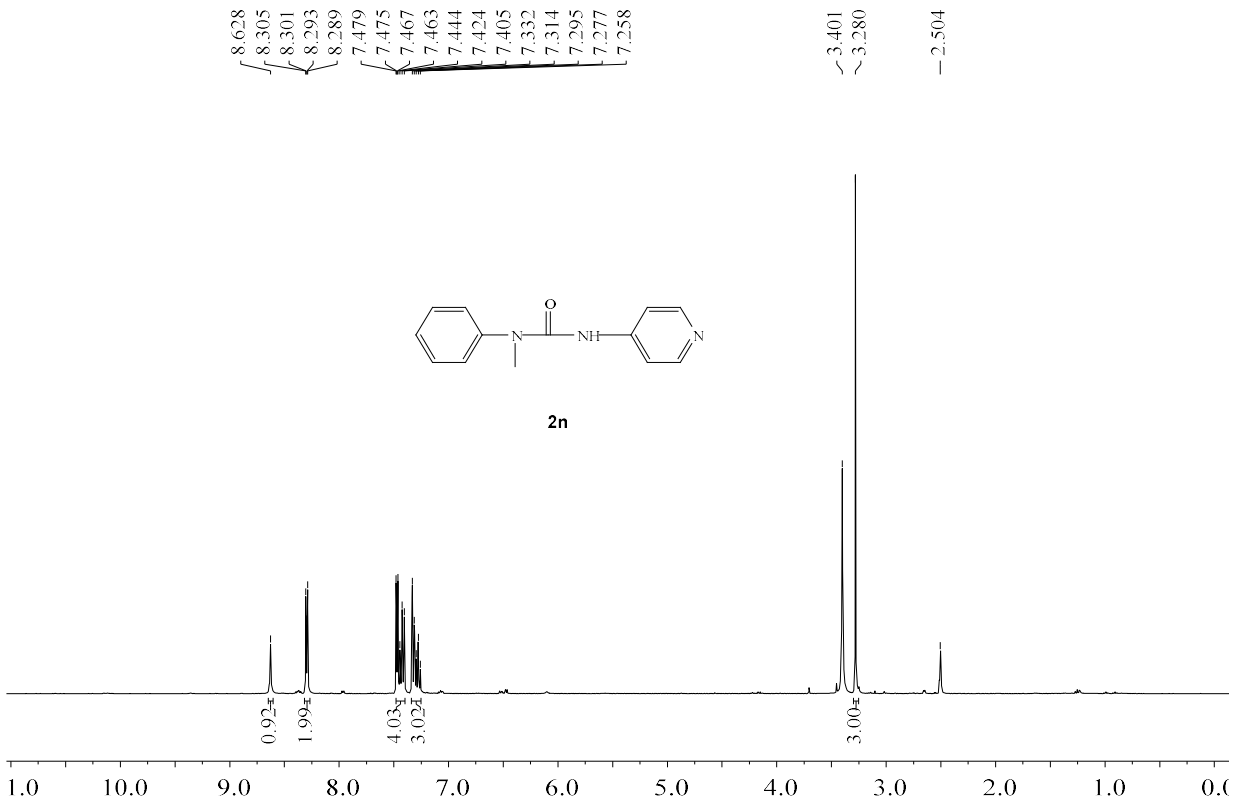


^{13}C NMR of 2m

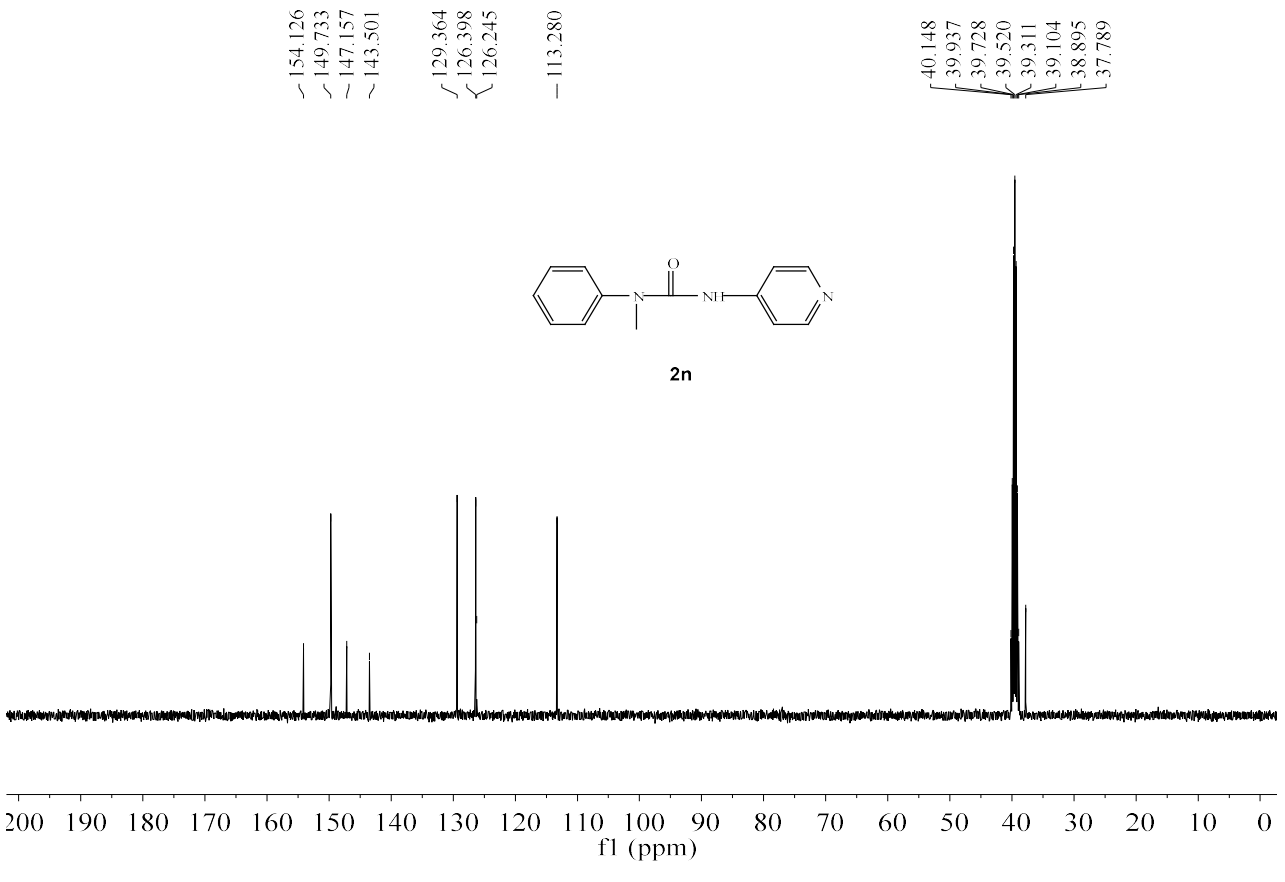


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^{1}H NMR of **2n**

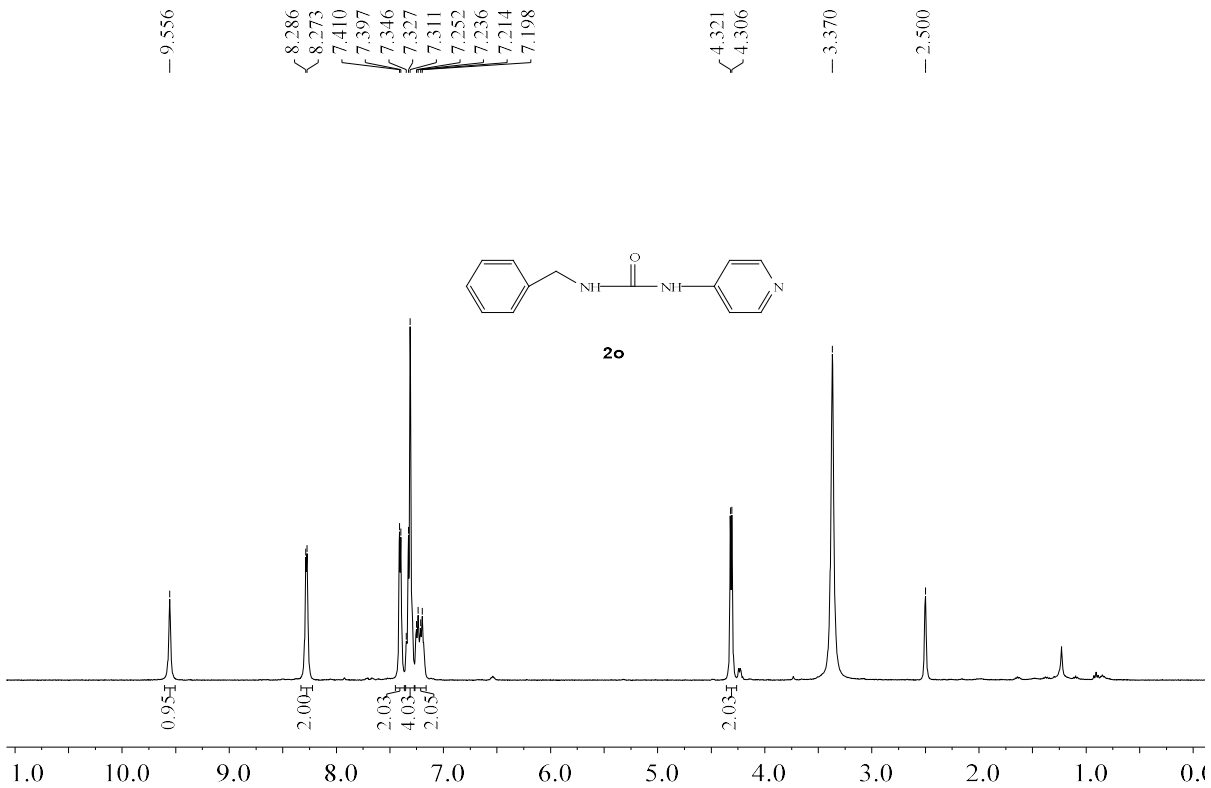


^{13}C NMR of **2n**

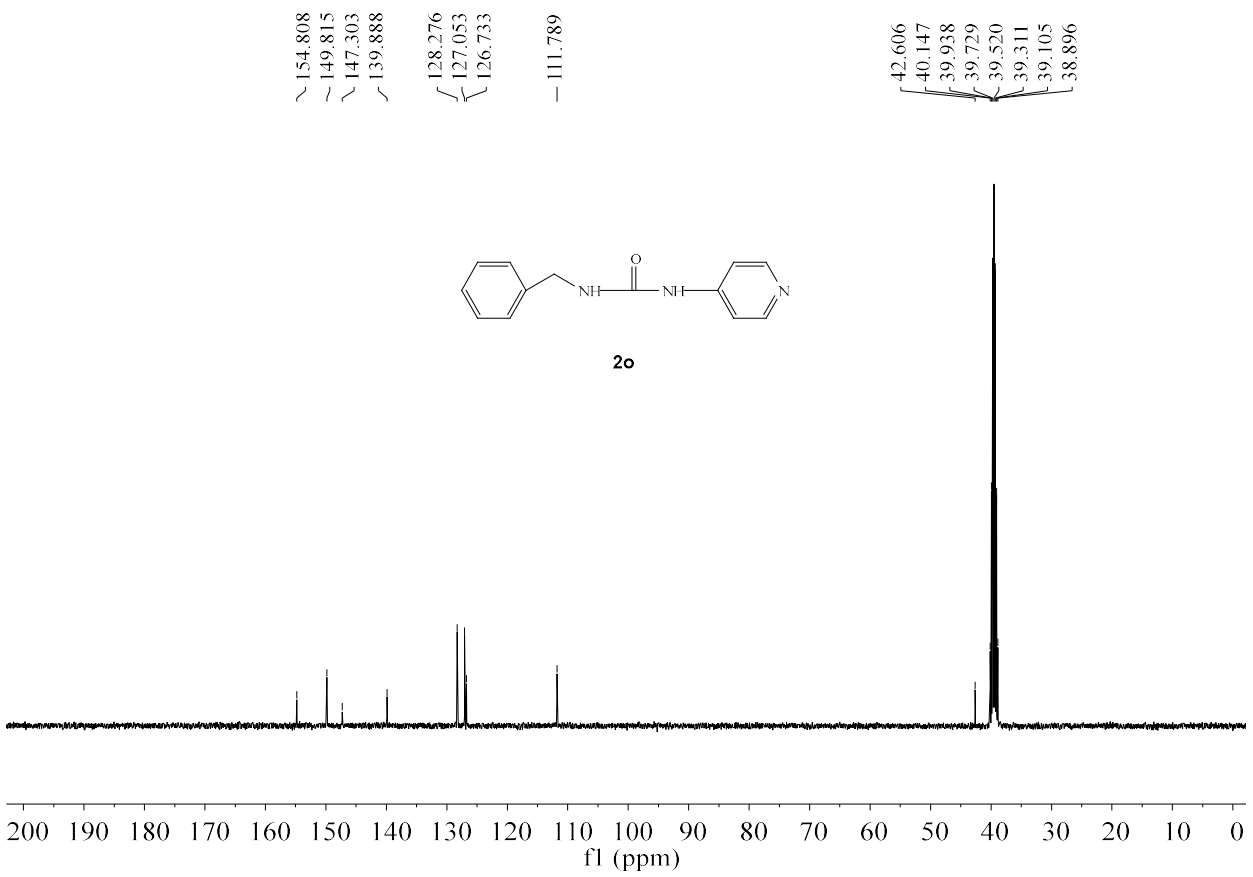


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^{1}H NMR of **2o**

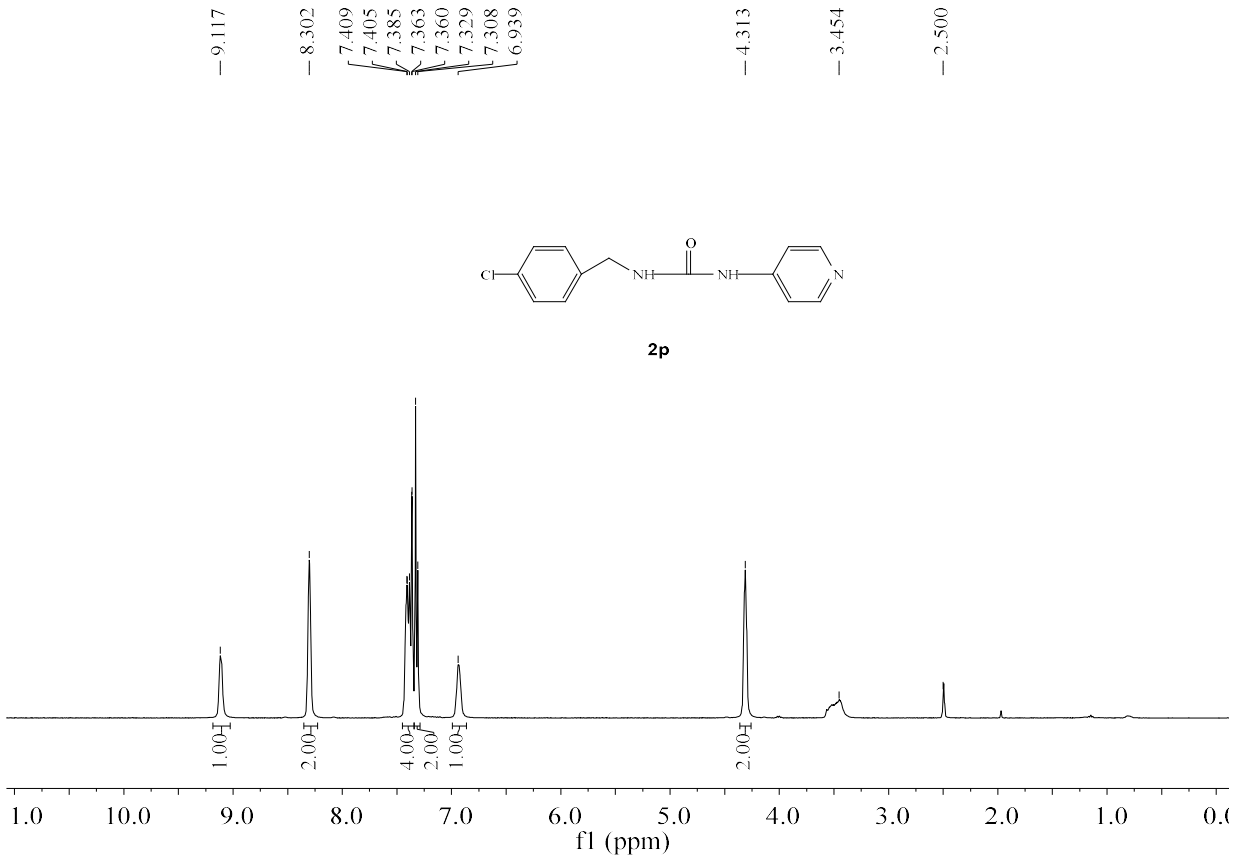


^{13}C NMR of **2o**

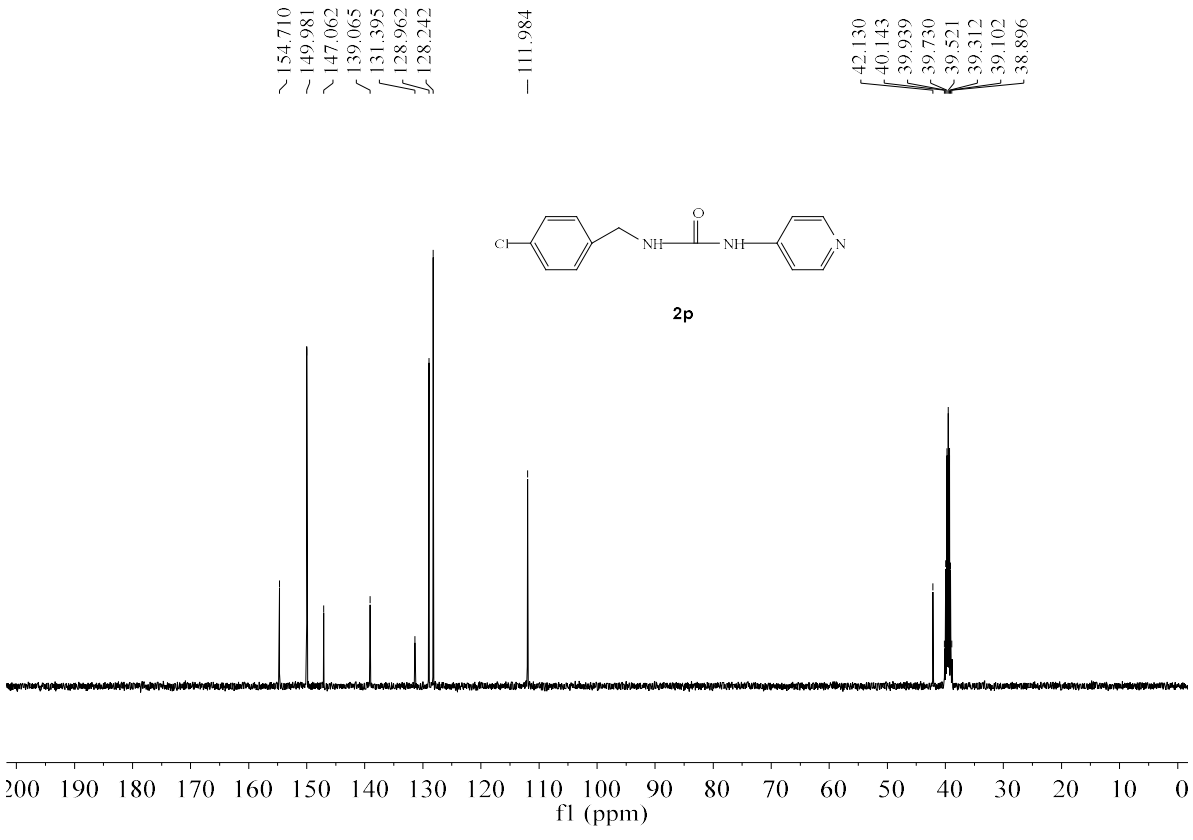


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^{1}H NMR of **2p**

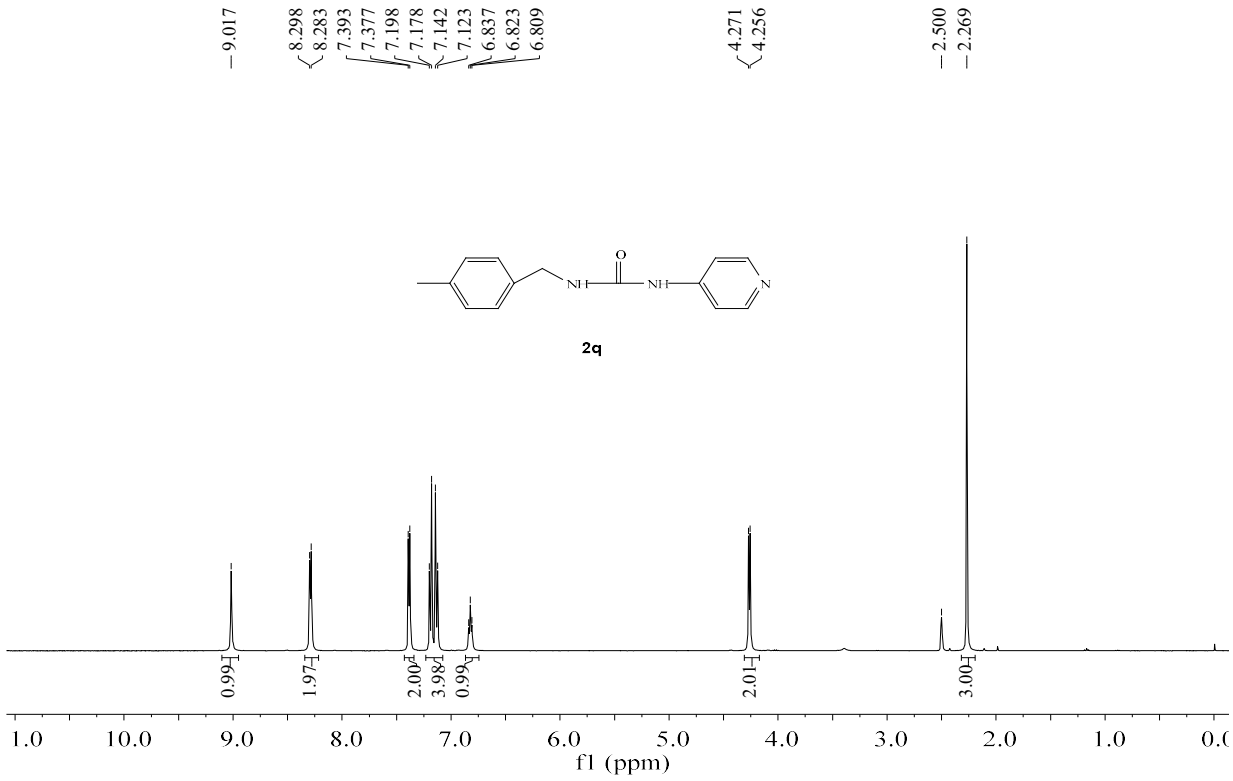


^{13}C NMR of **2p**

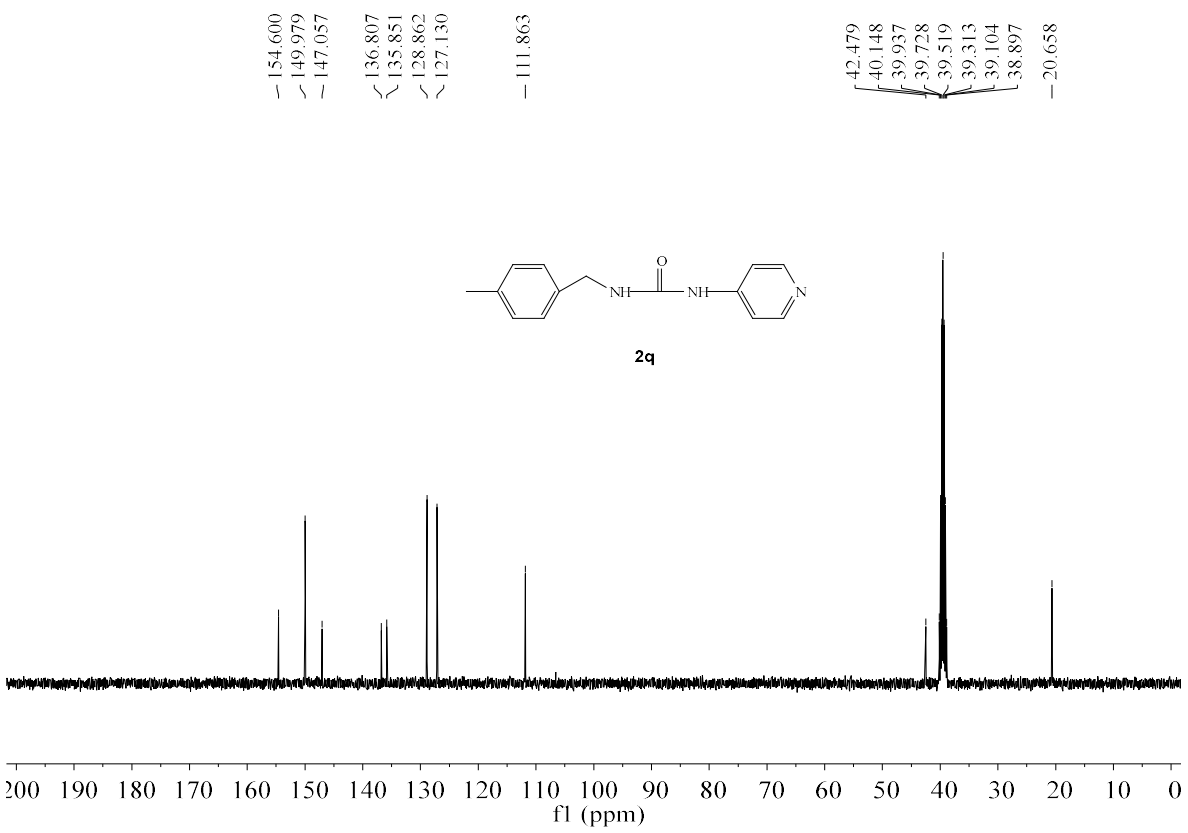


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^{1}H NMR of **2q**

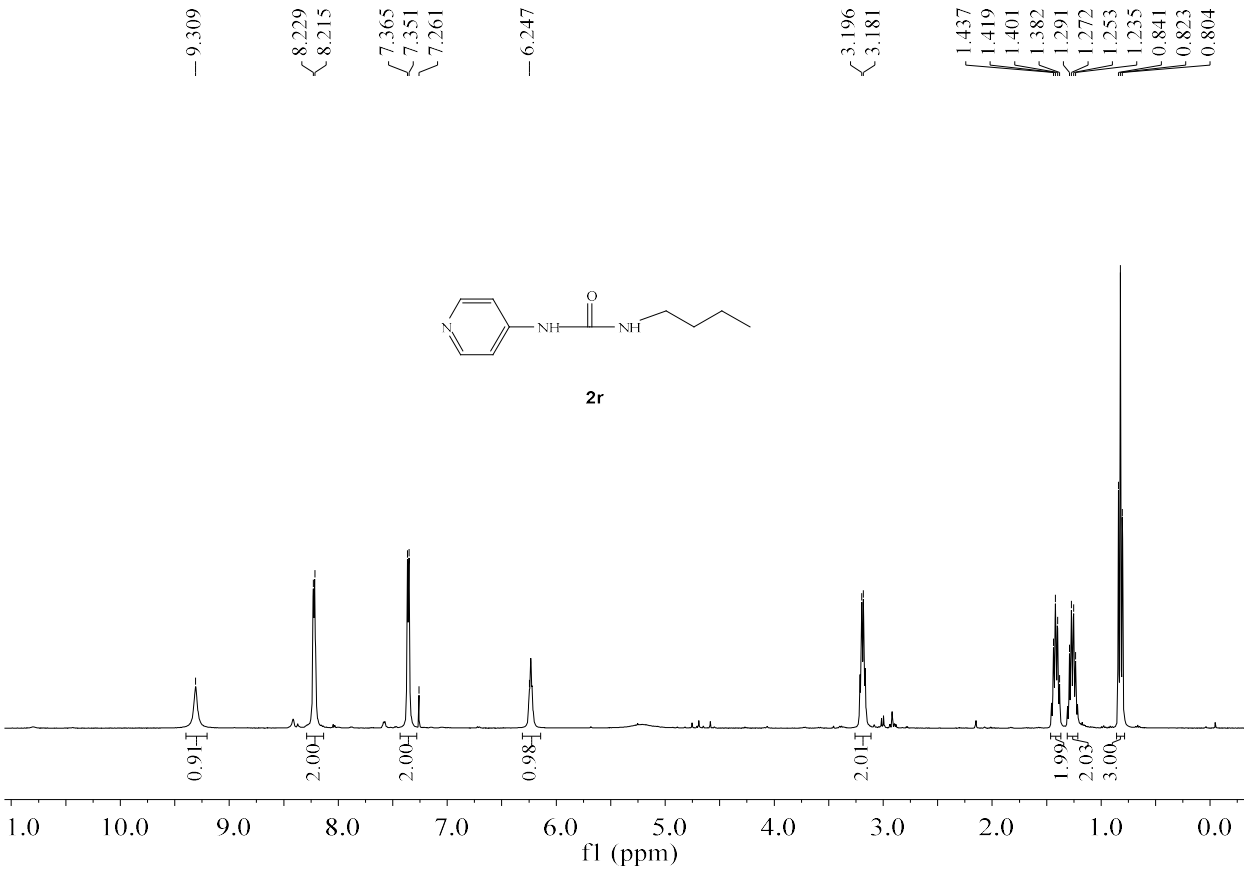


^{13}C NMR of **2q**

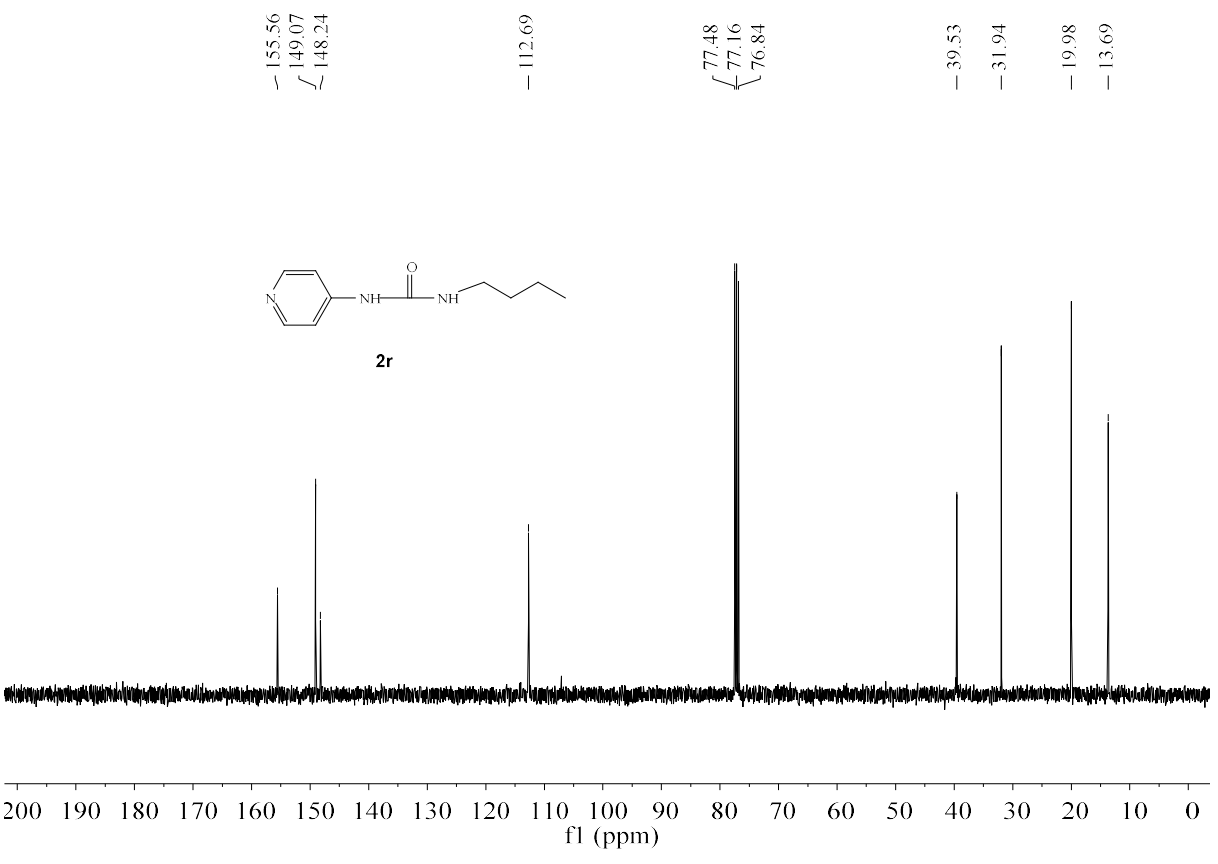


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^{1}H NMR of **2r**

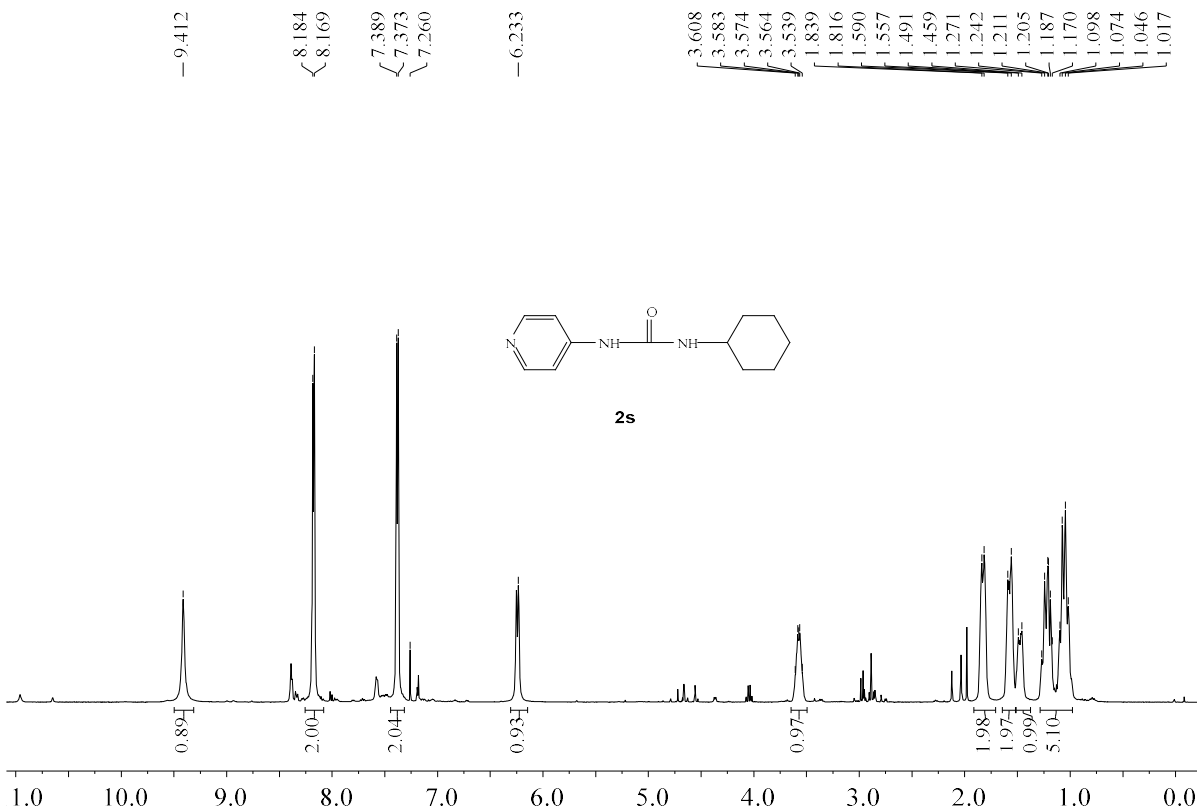


^{13}C NMR of **2r**

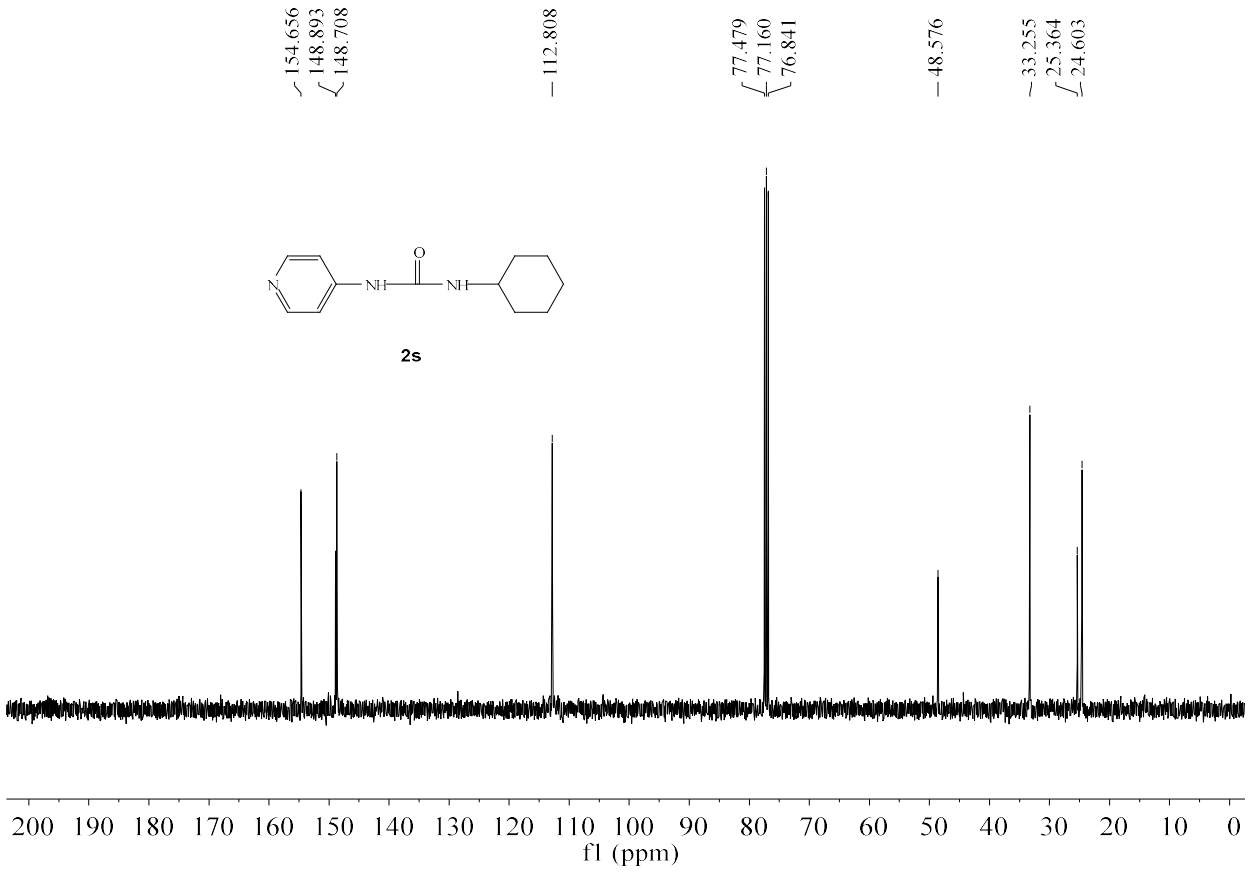


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^{1}H NMR of **2s**

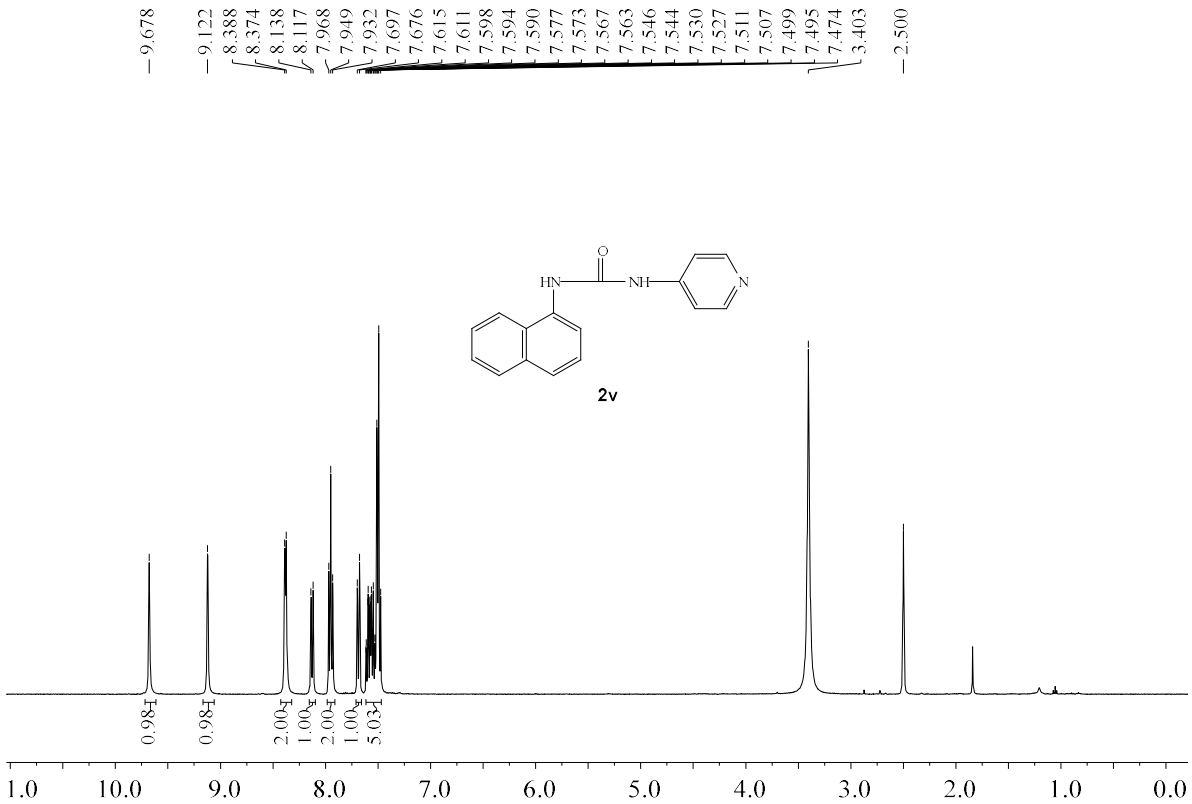


^{13}C NMR of **2s**

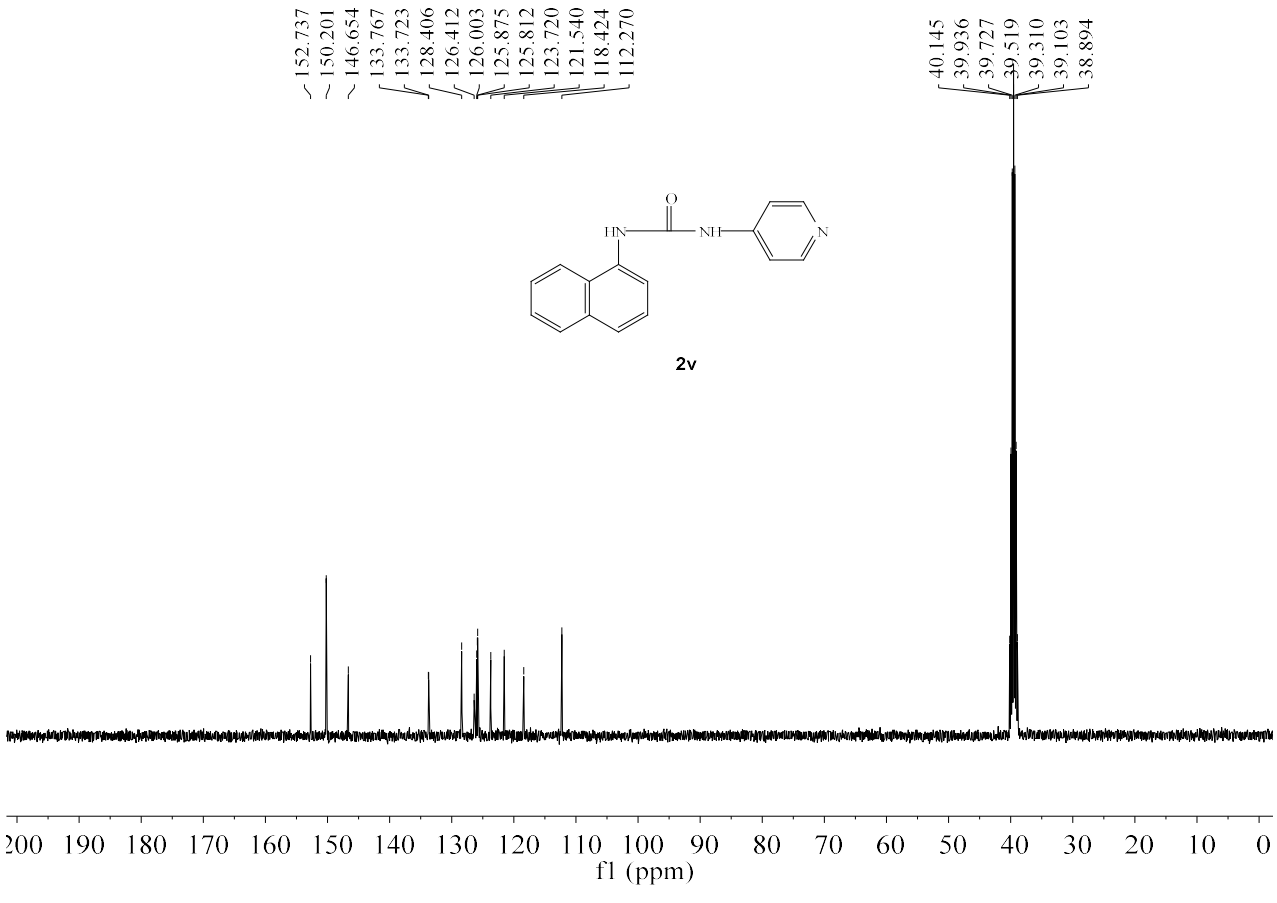


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^{1}H NMR of **2v**

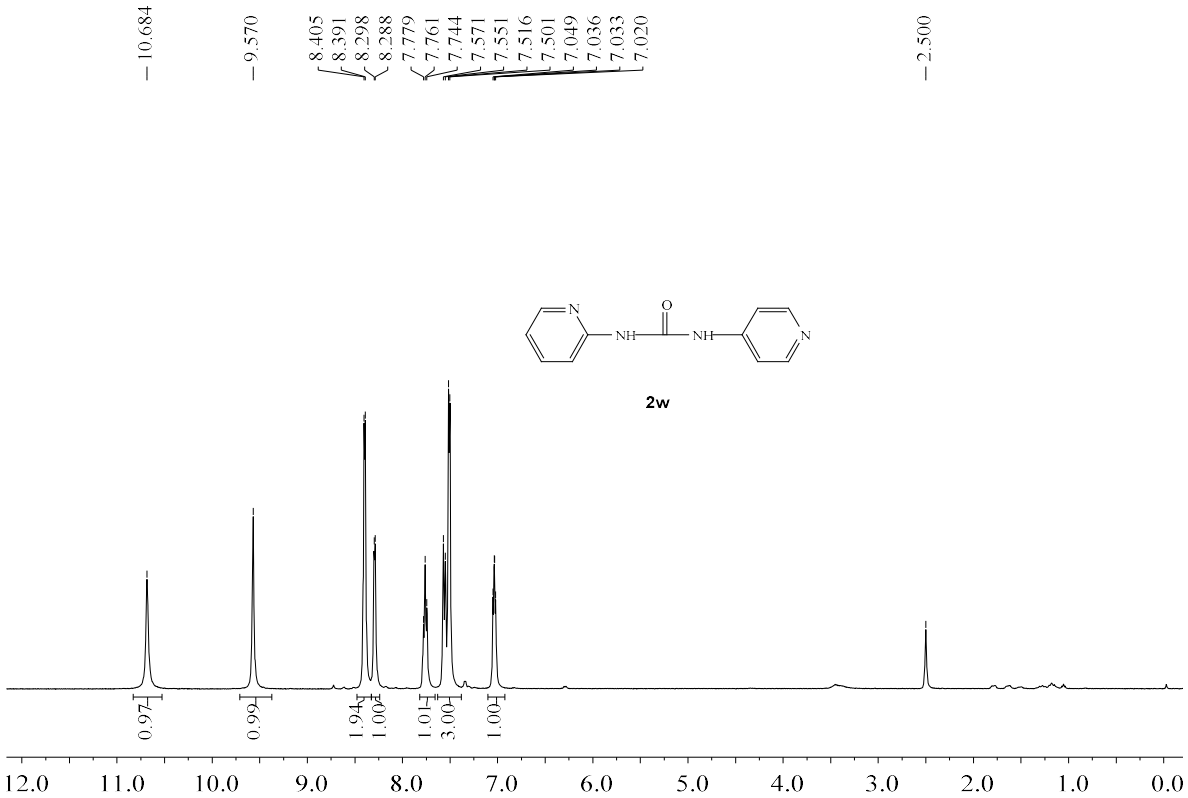


^{13}C NMR of **2v**

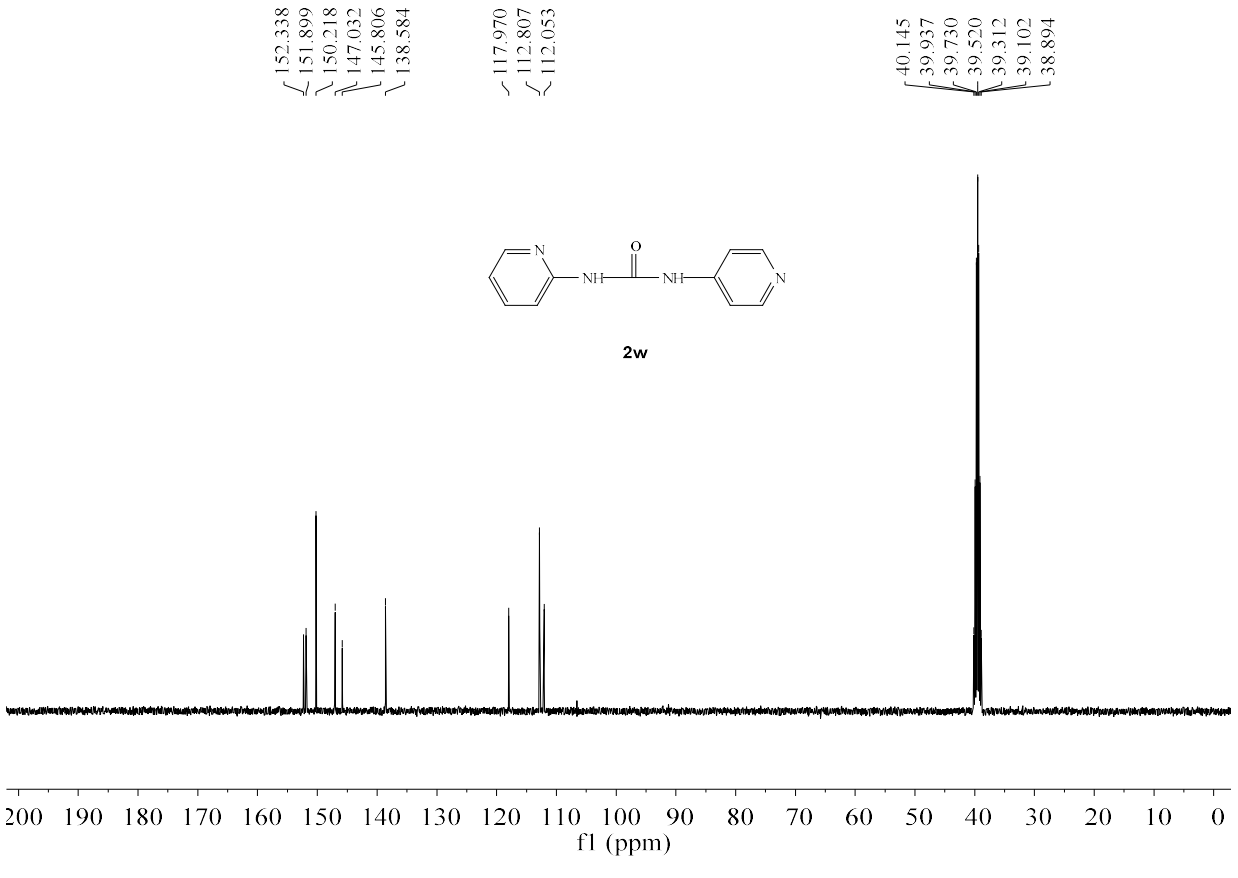


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^{1}H NMR of **2w**



^{13}C NMR of **2w**



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