

# **Palladium-Catalyzed Synthesis of $\alpha$ -Iminonitriles from Aryl Halides *via* Isocyanide Double Insertion Reaction**

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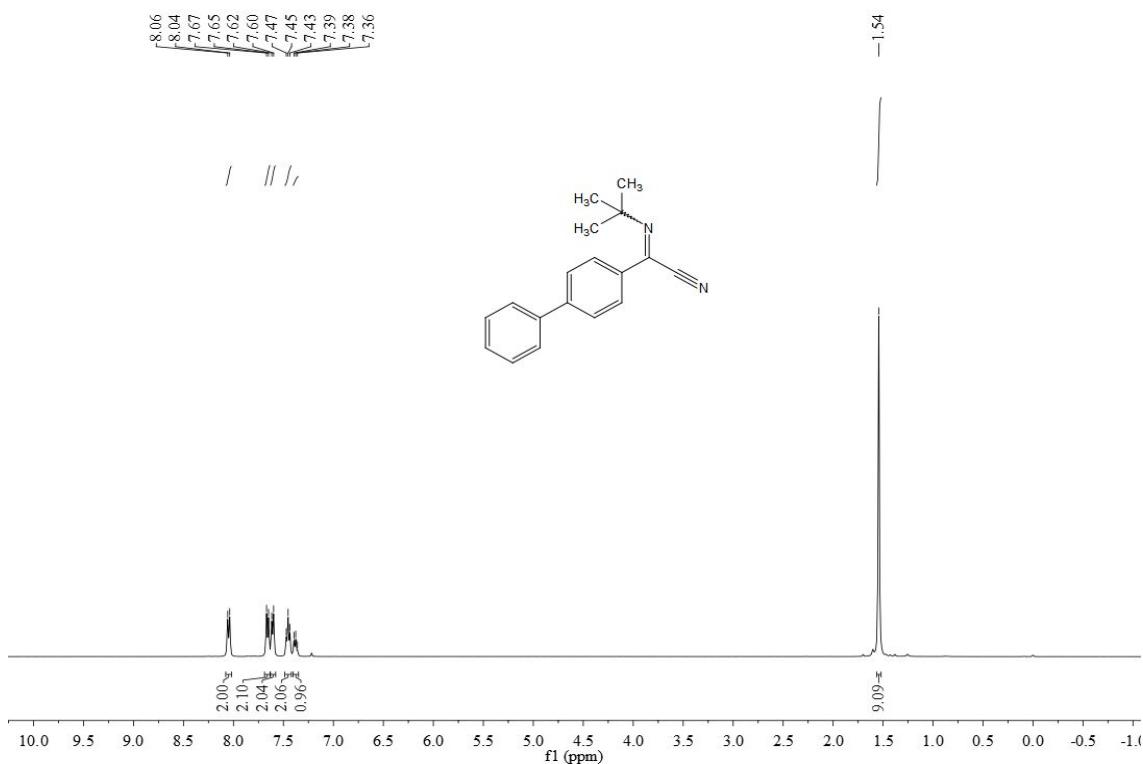
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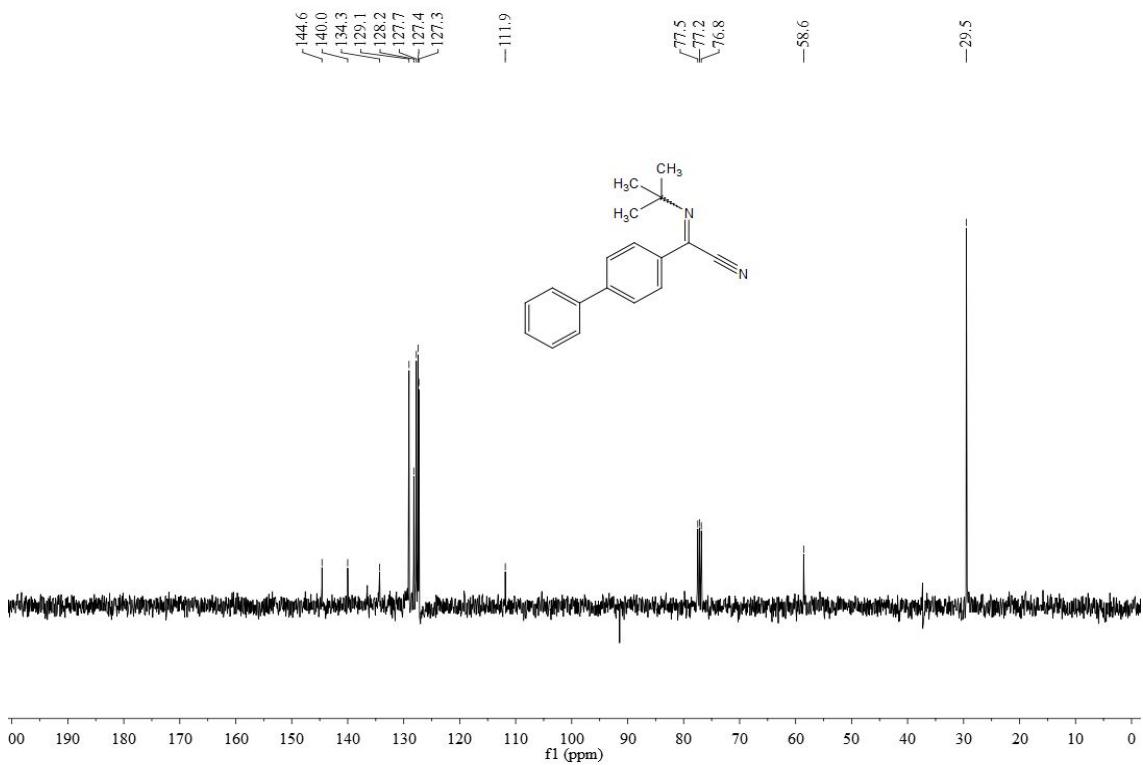
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**<sup>1</sup>H NMR and <sup>13</sup>C NMR spectra**

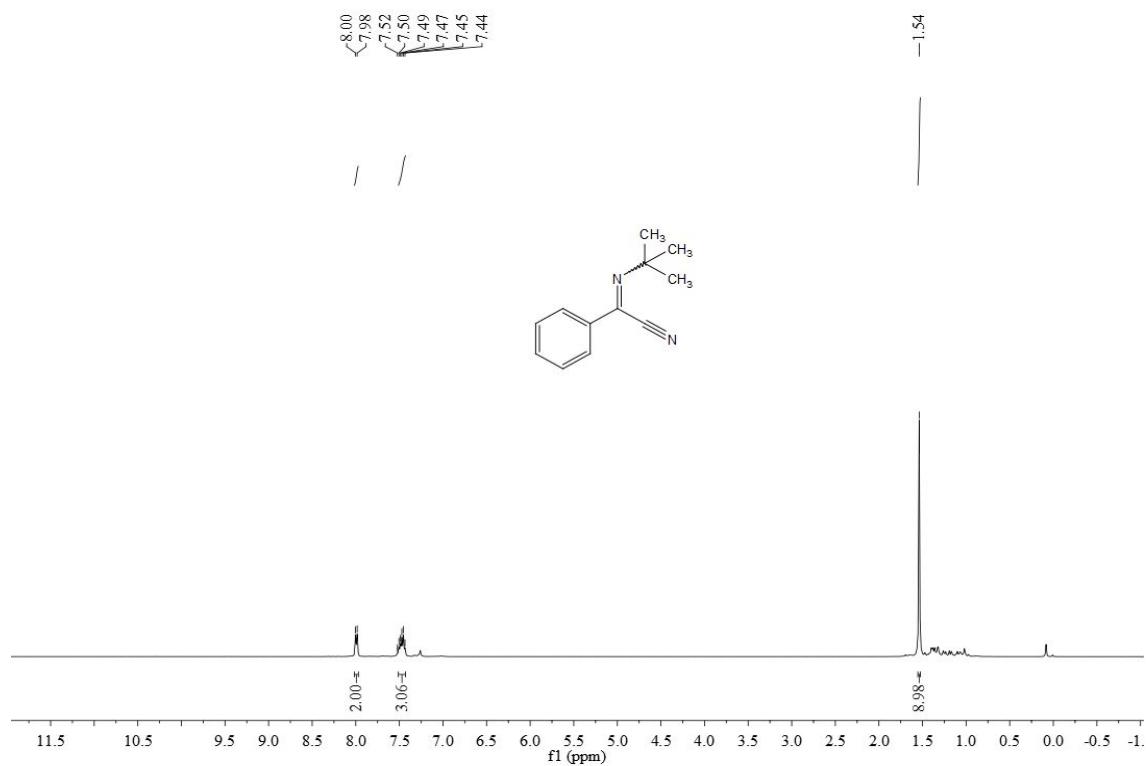
<sup>1</sup>H NMR spectrum of compound **2a**



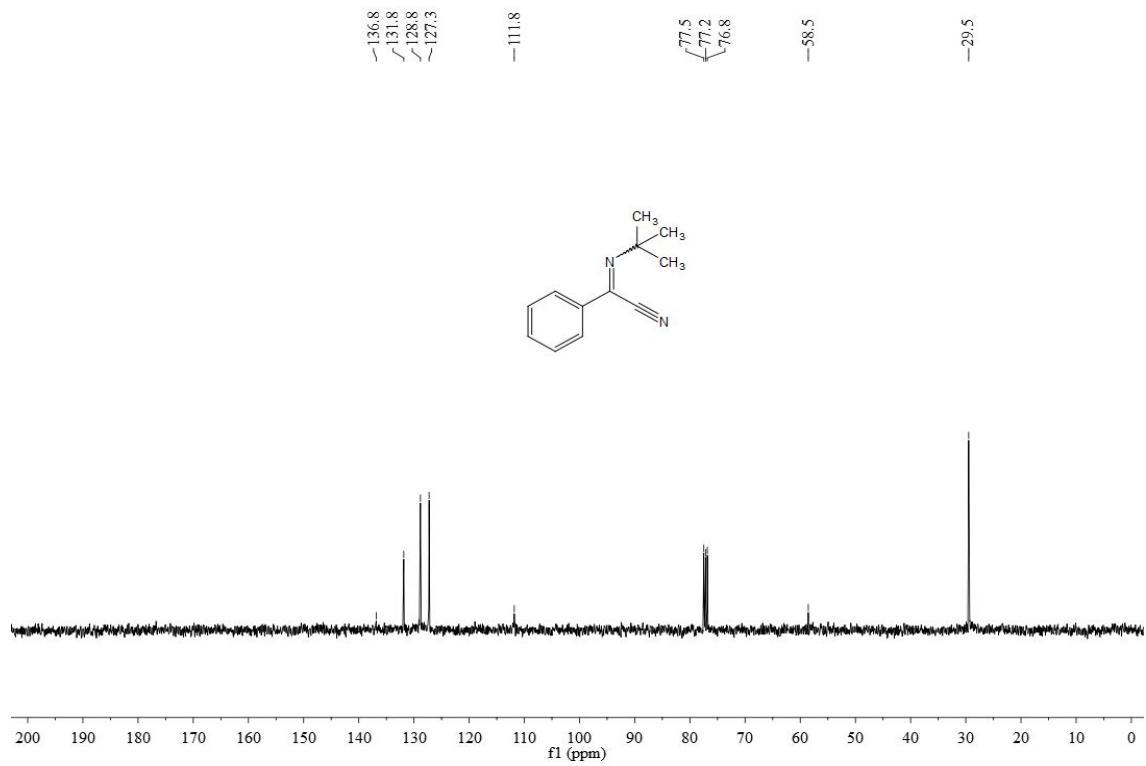
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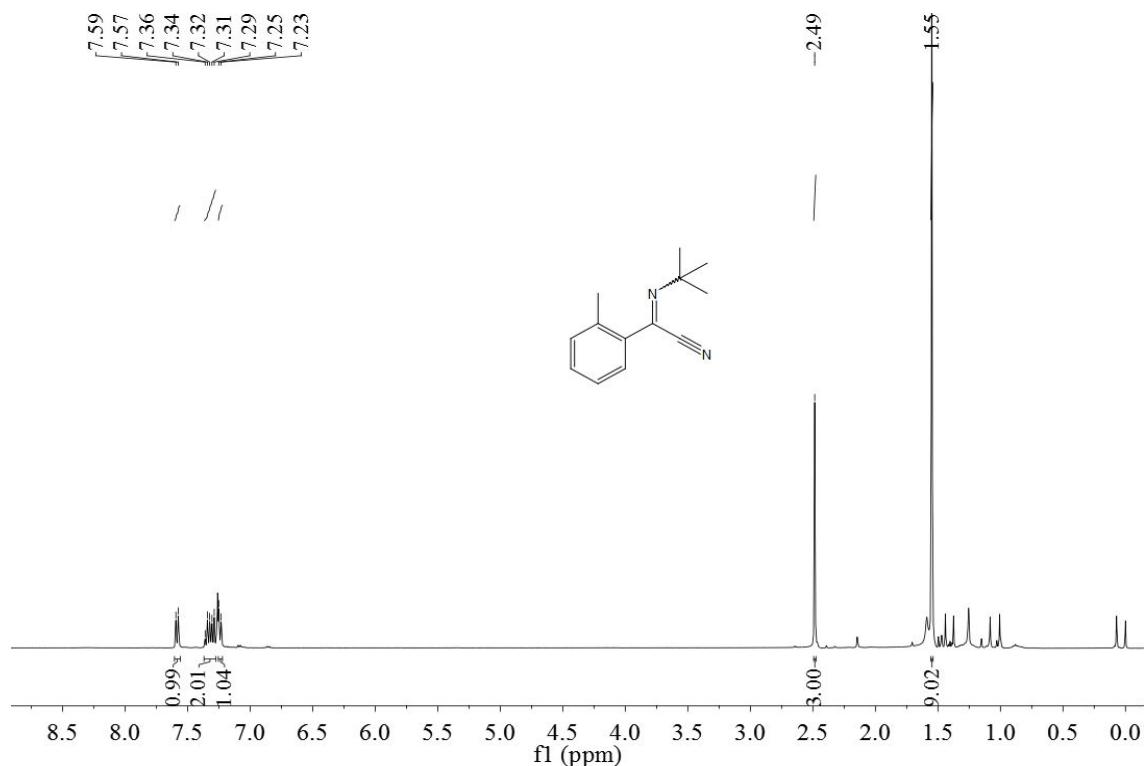
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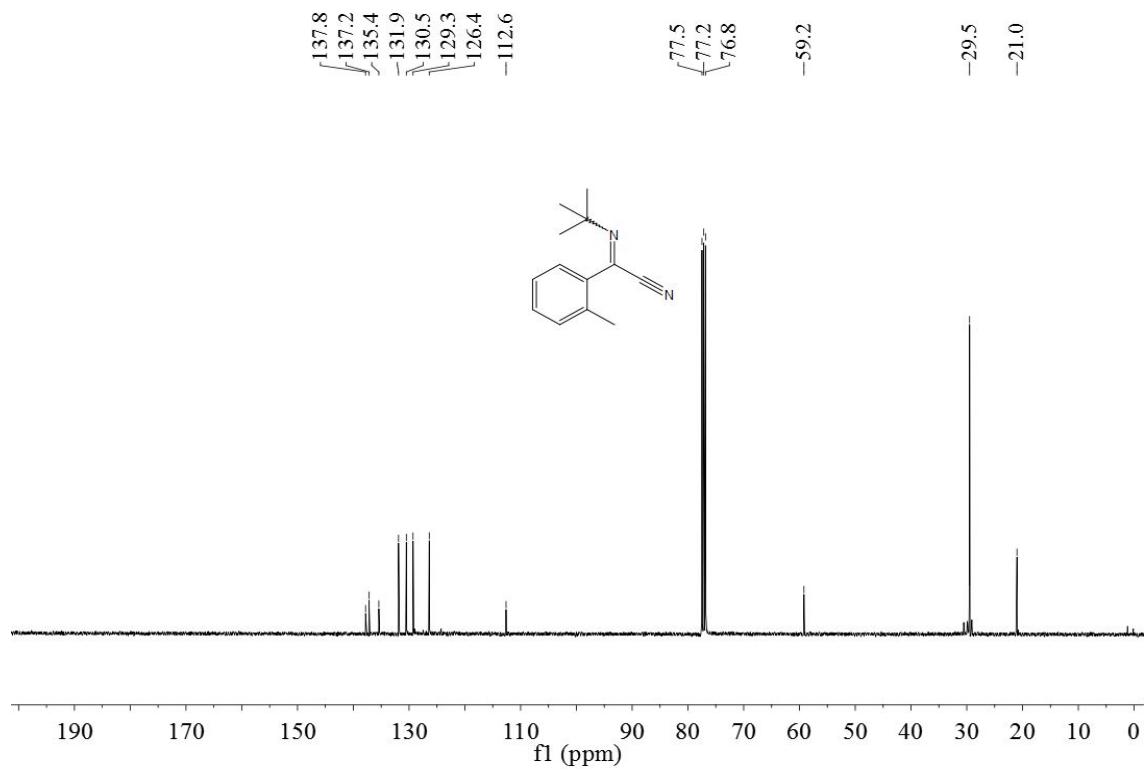
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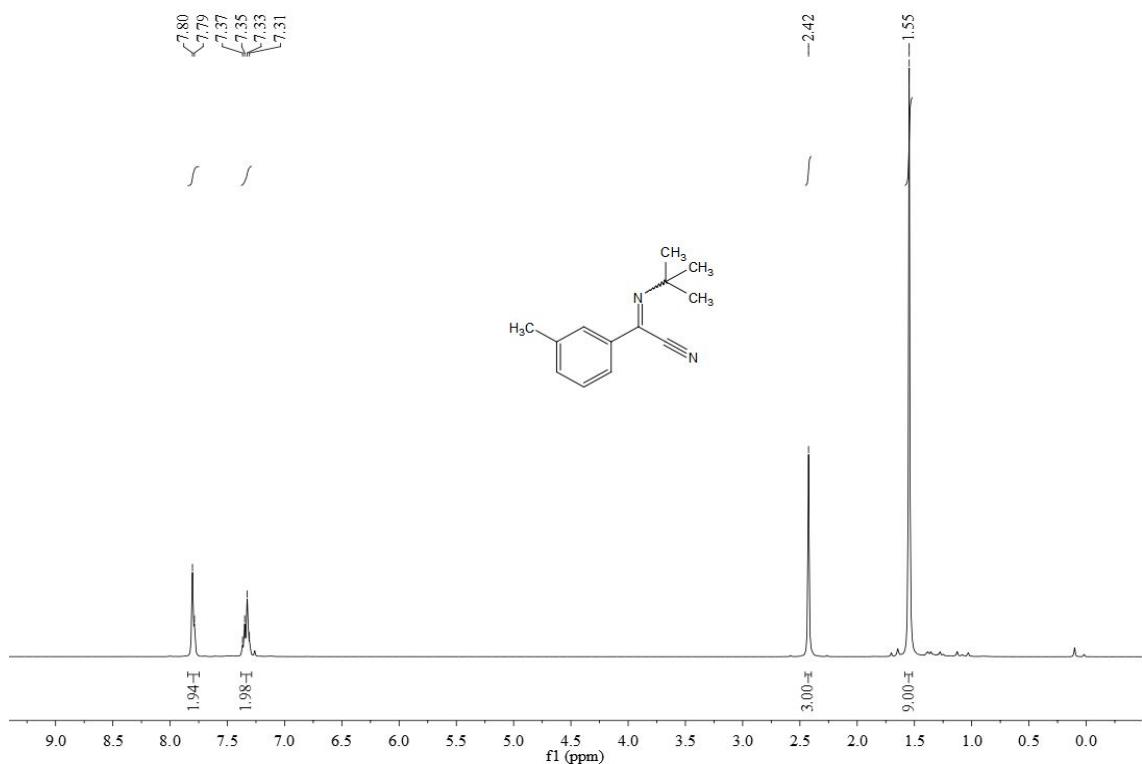
<sup>1</sup>H NMR spectrum of compound **2c**



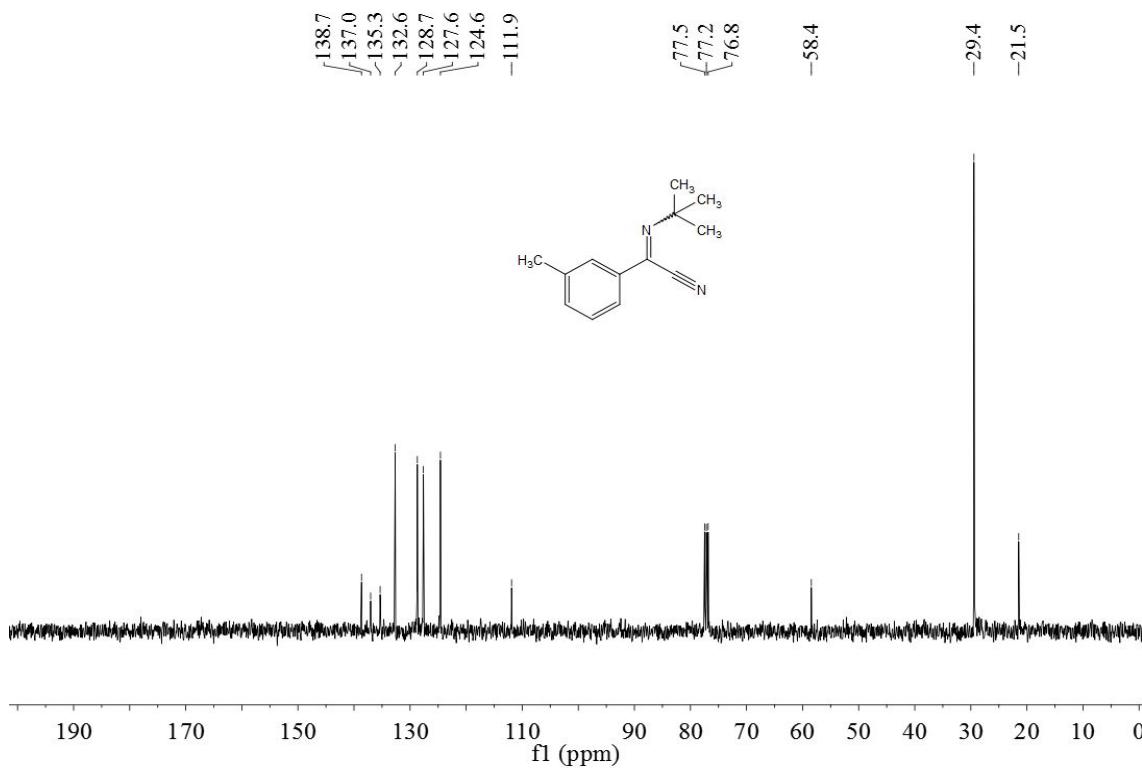
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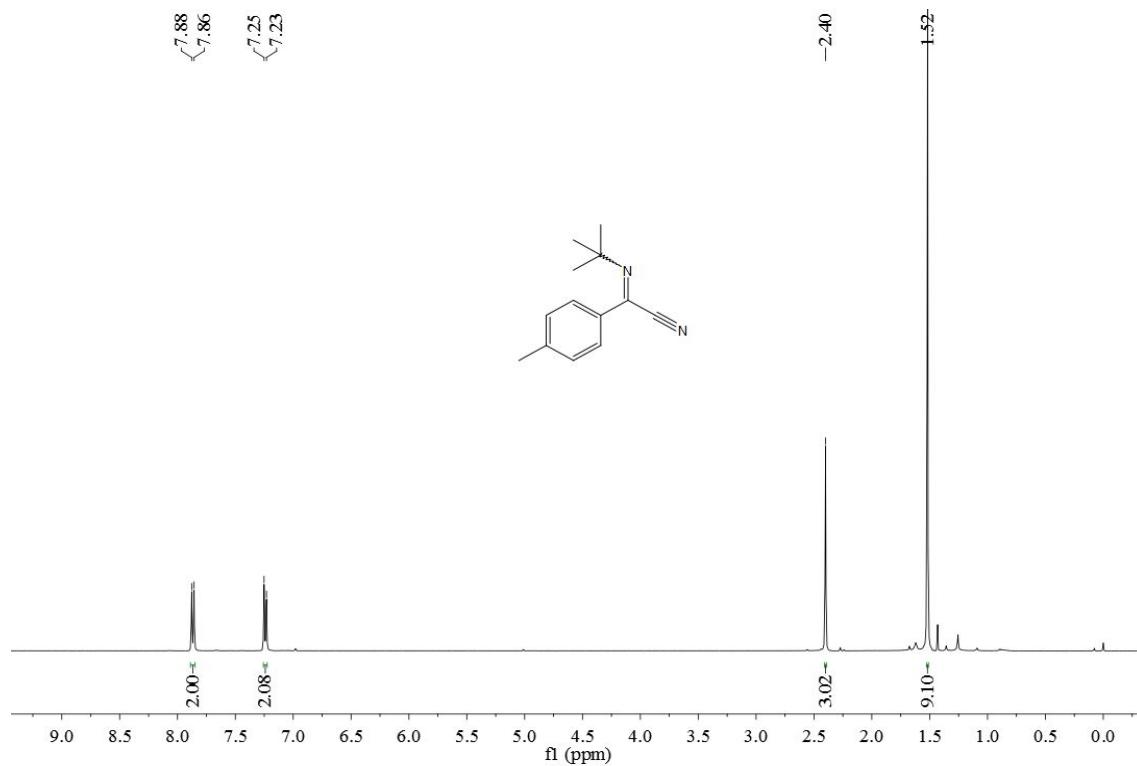
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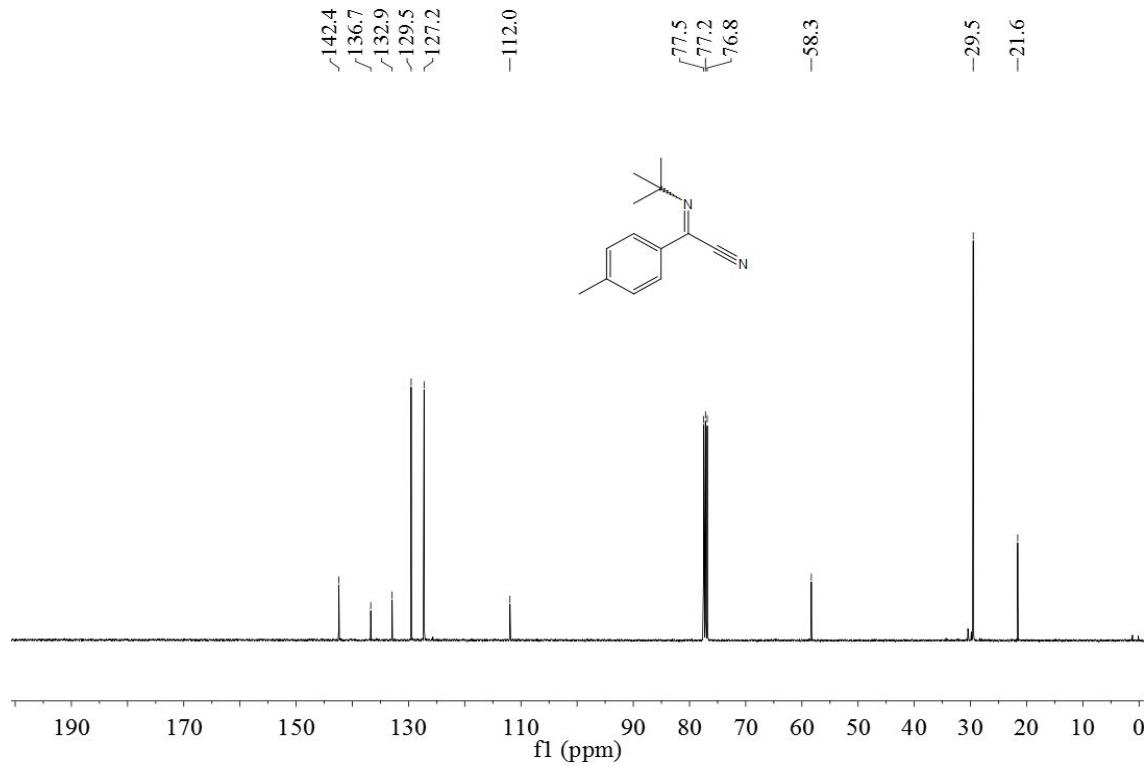
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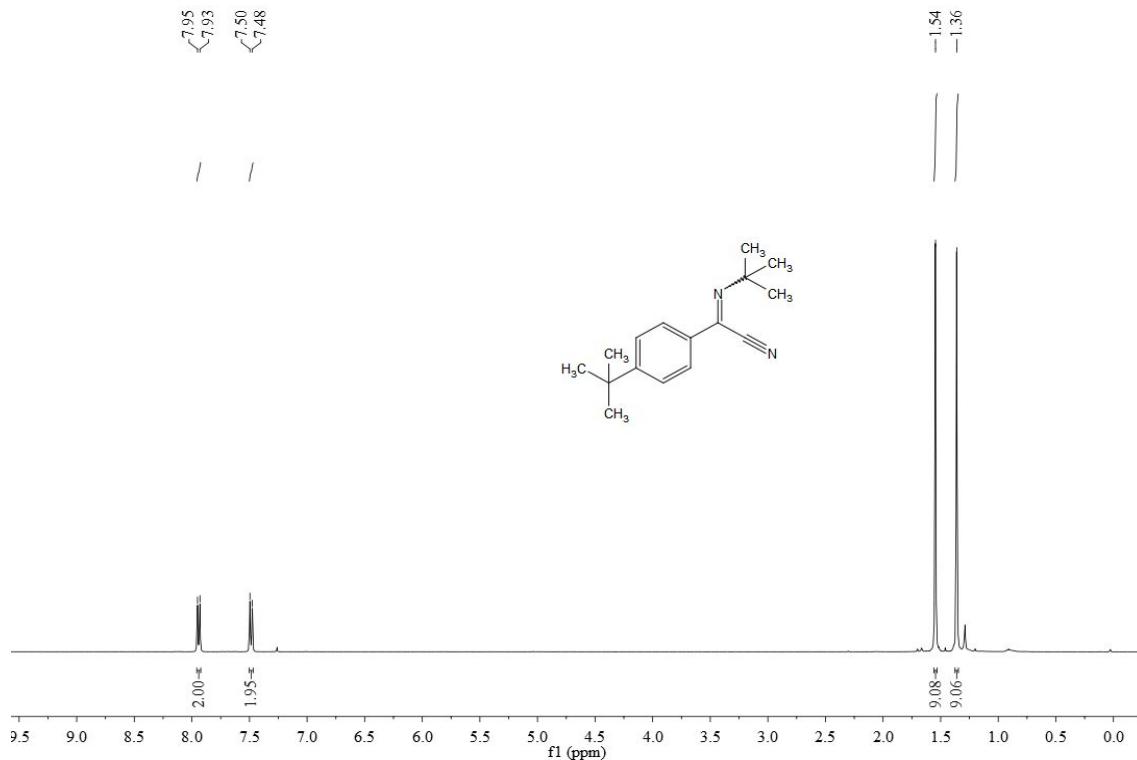
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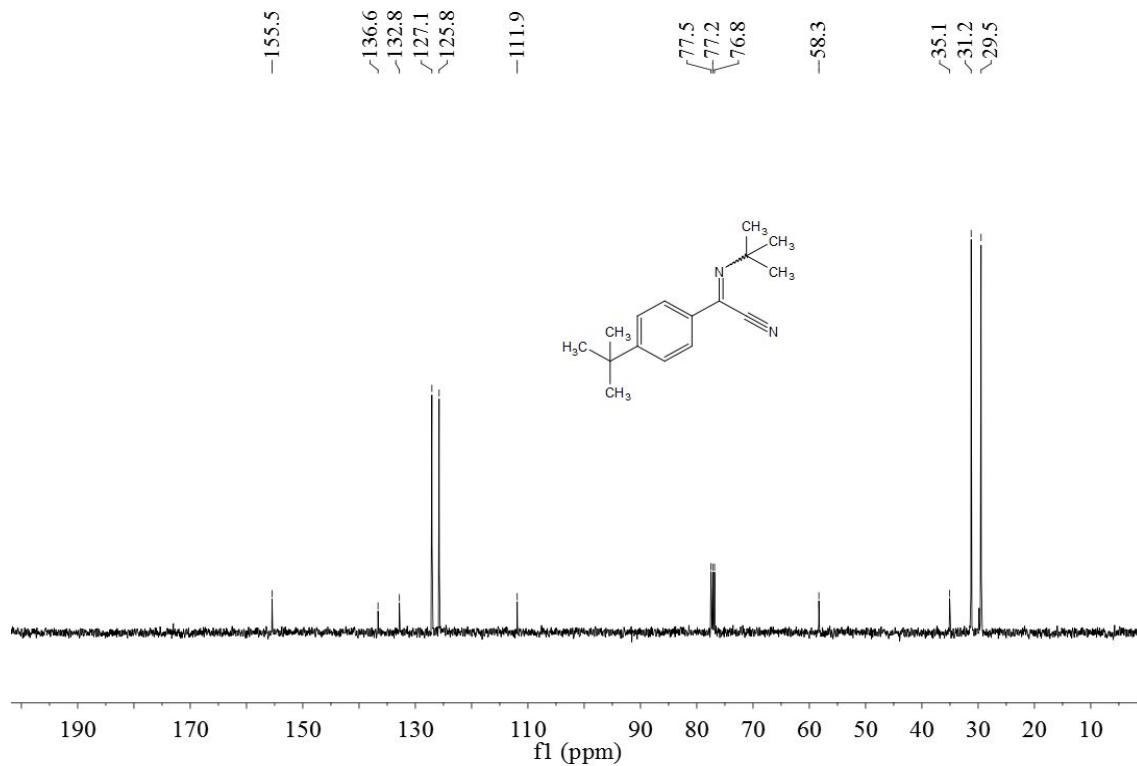
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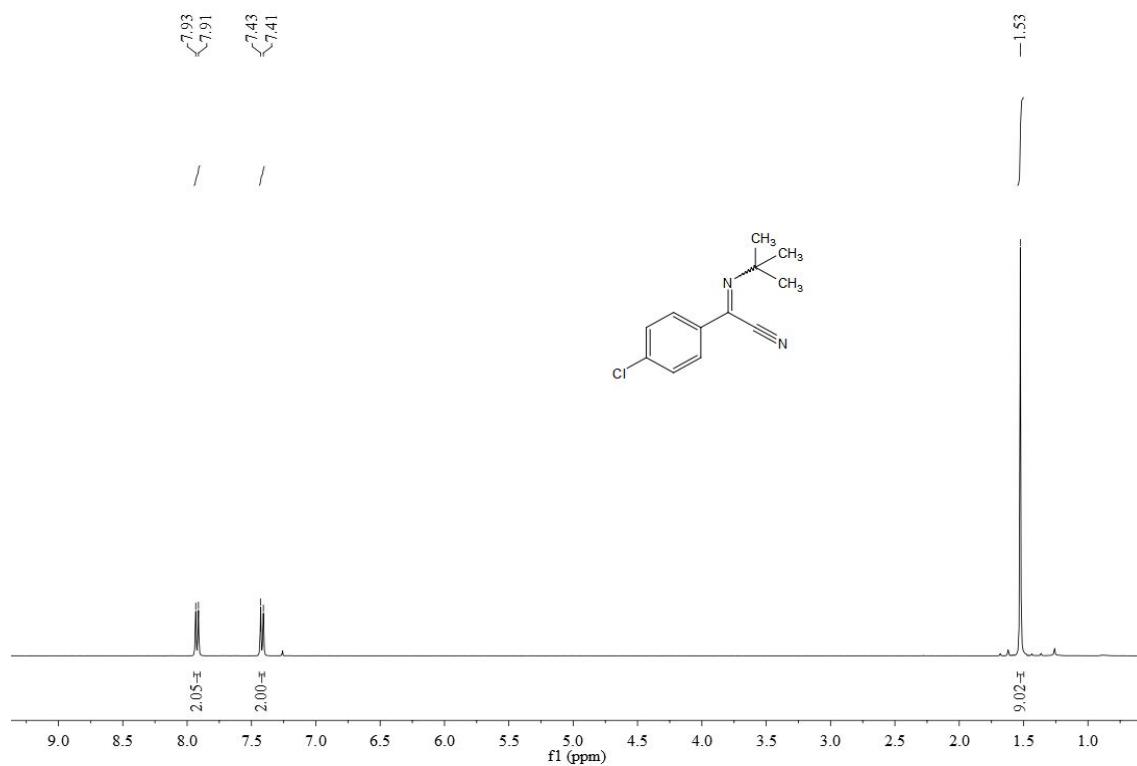
<sup>1</sup>H NMR spectrum of compound **2f**



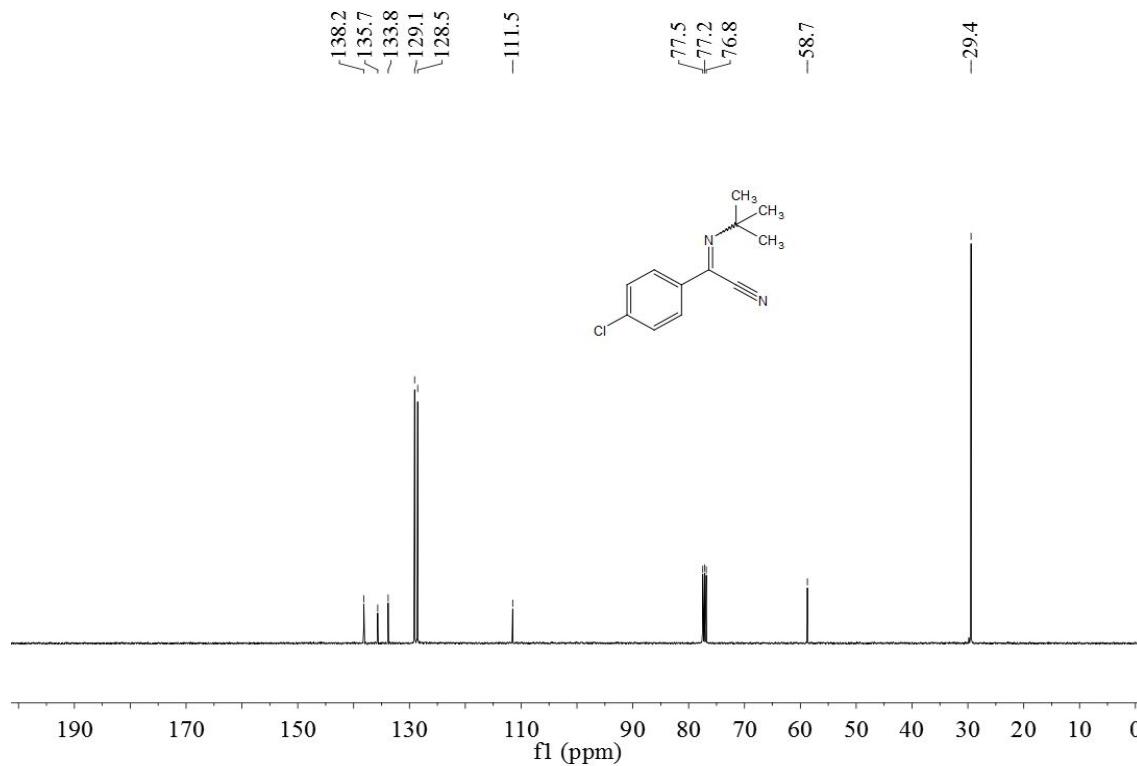
<sup>13</sup>C NMR spectrum of compound **2f**



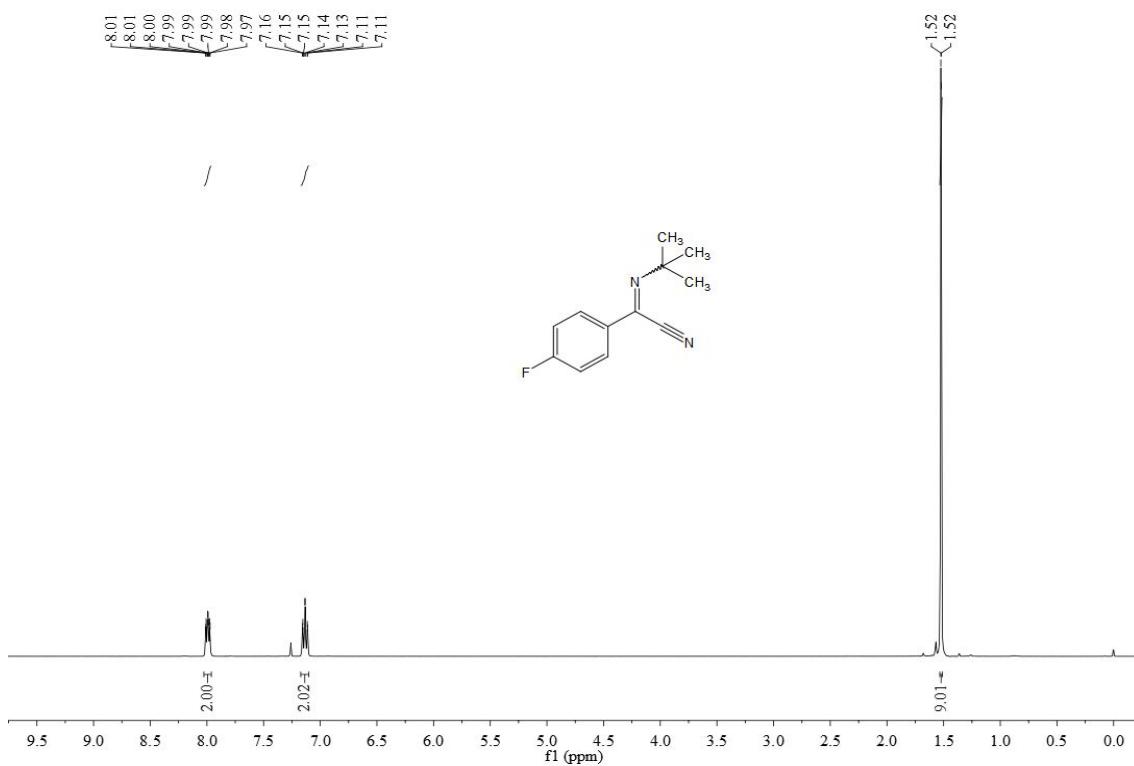
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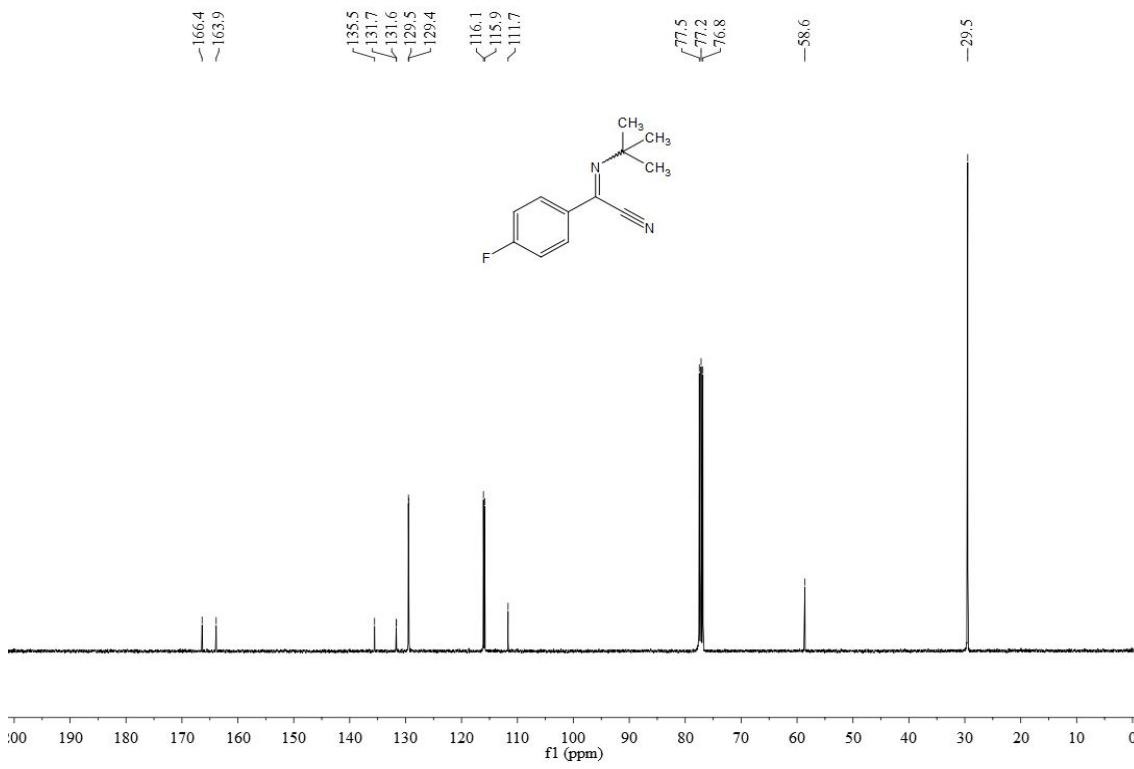
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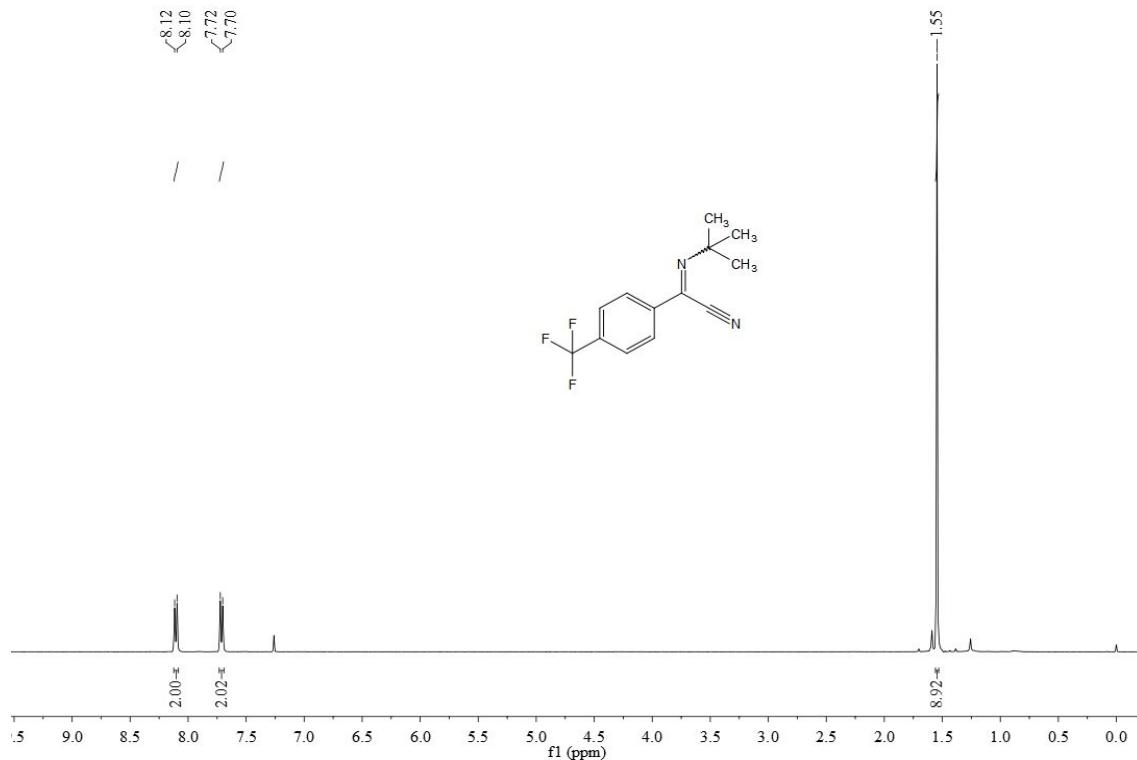
<sup>1</sup>H NMR spectrum of compound **2h**



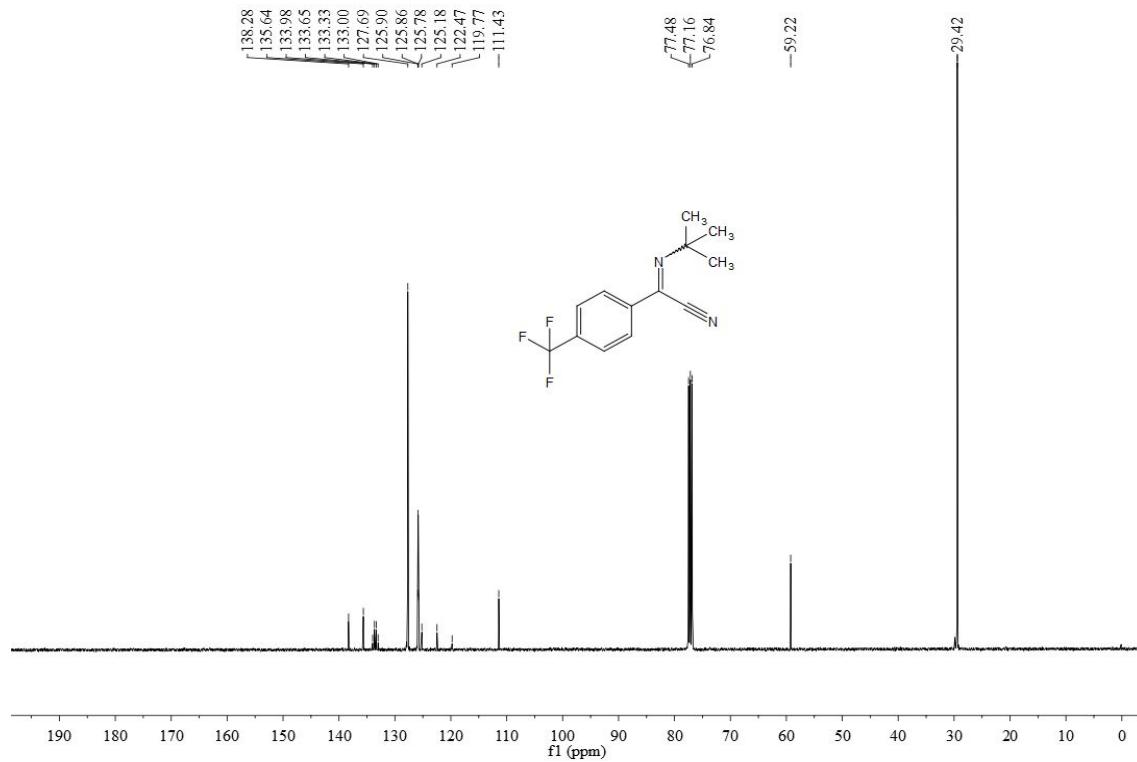
<sup>13</sup>C NMR spectrum of compound **2h**



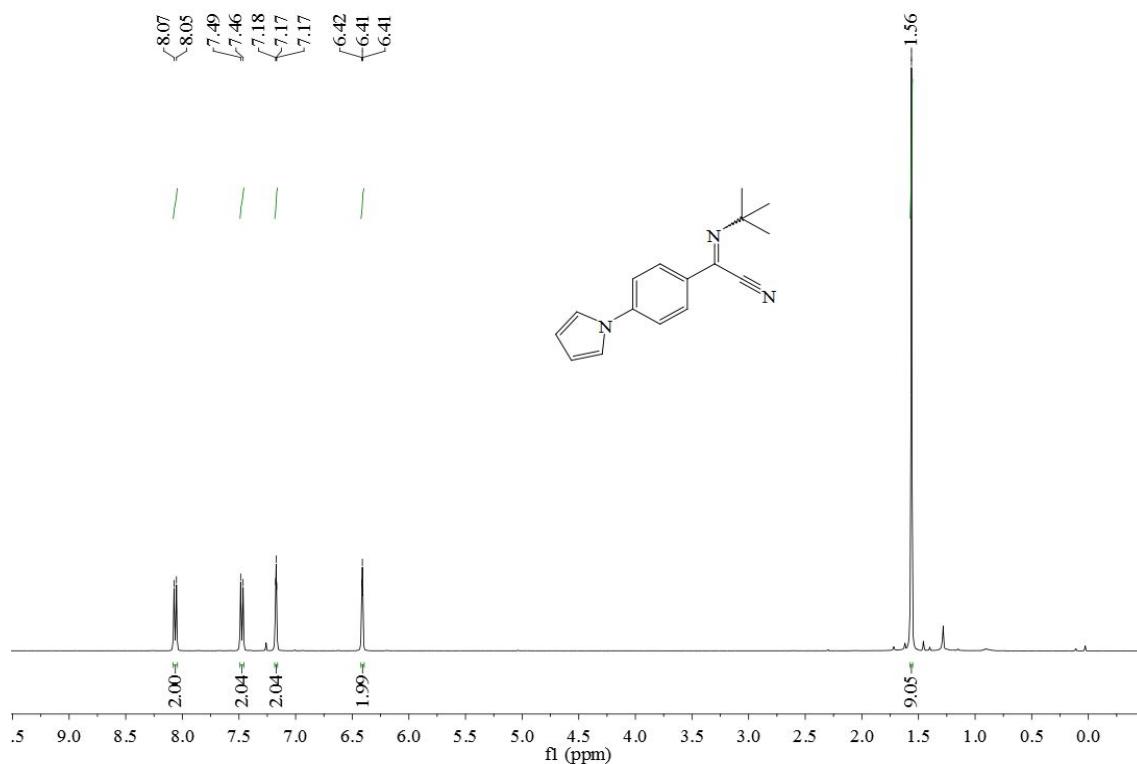
<sup>1</sup>H NMR spectrum of compound **2i**



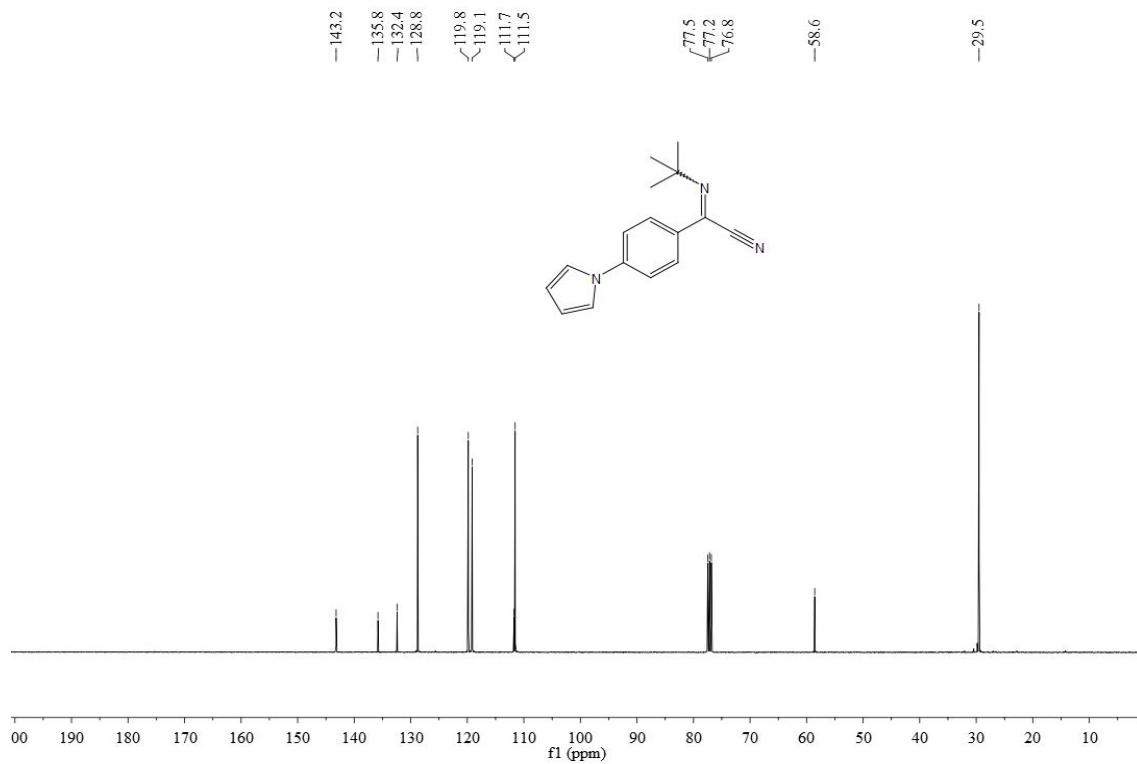
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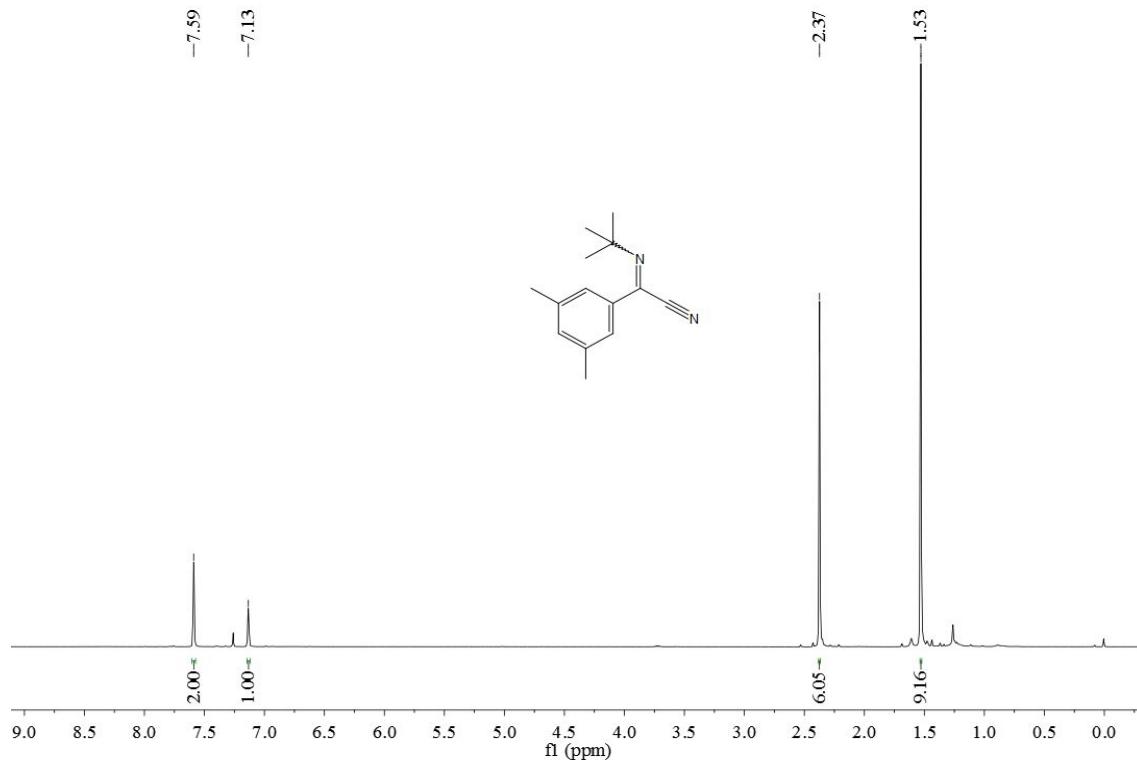
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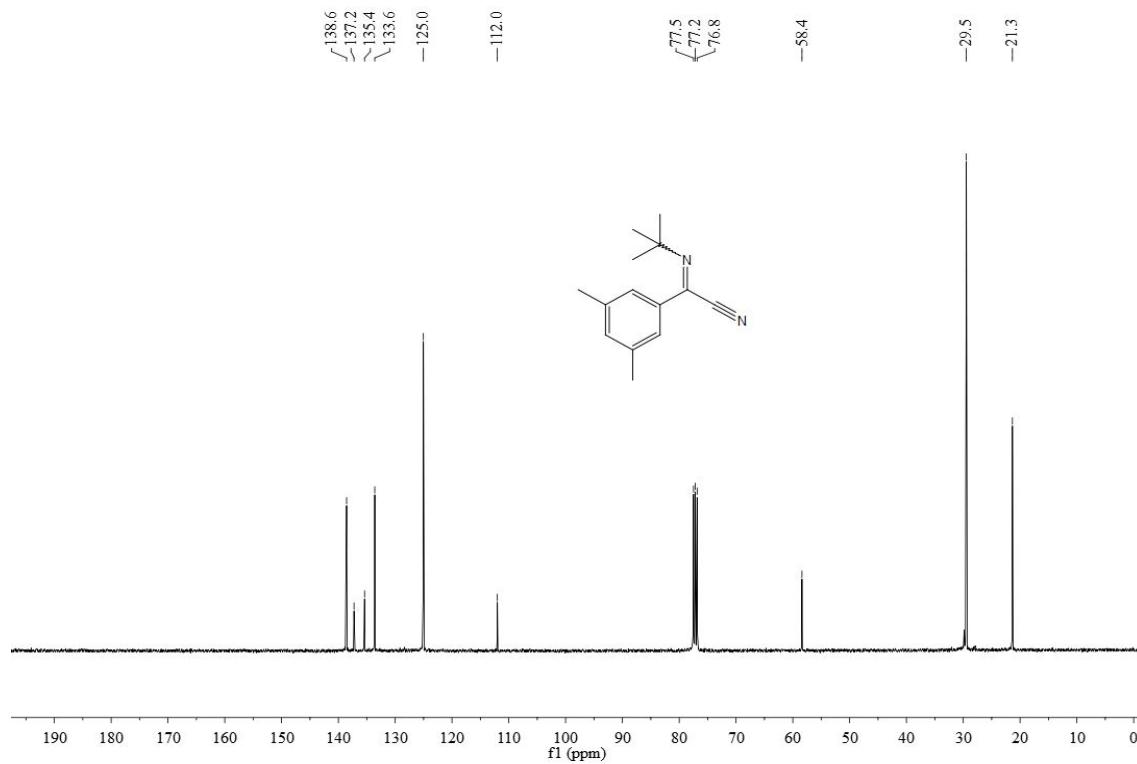
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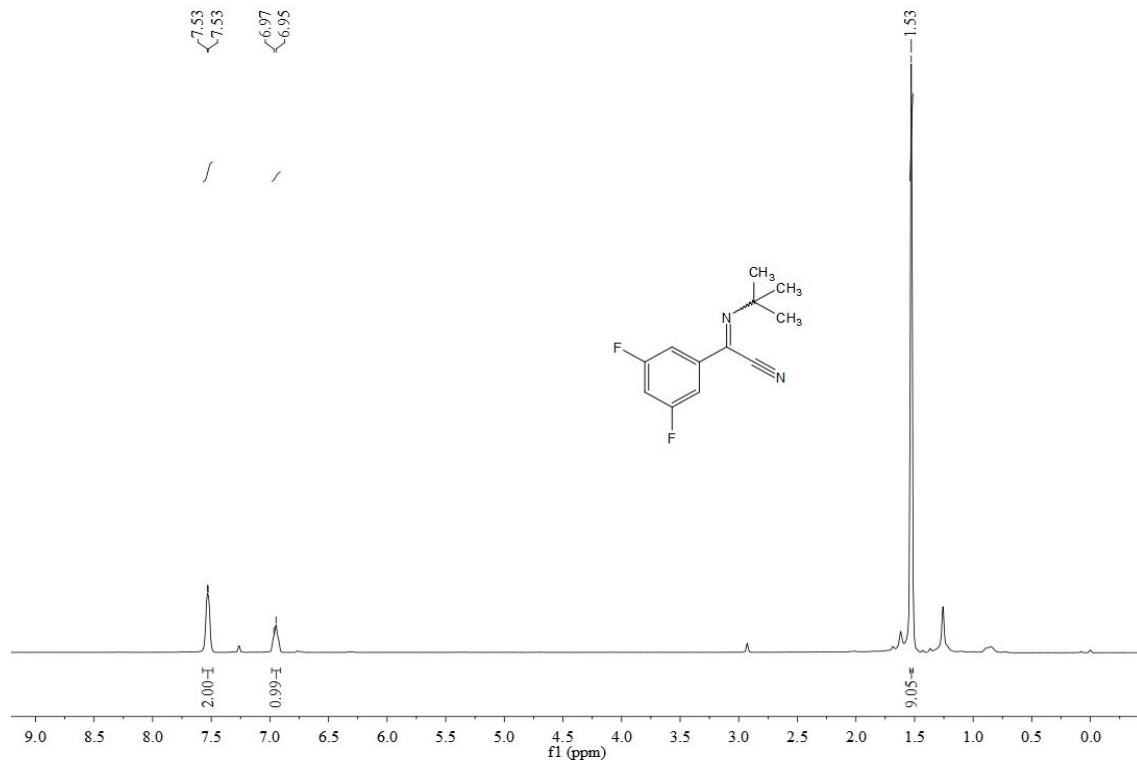
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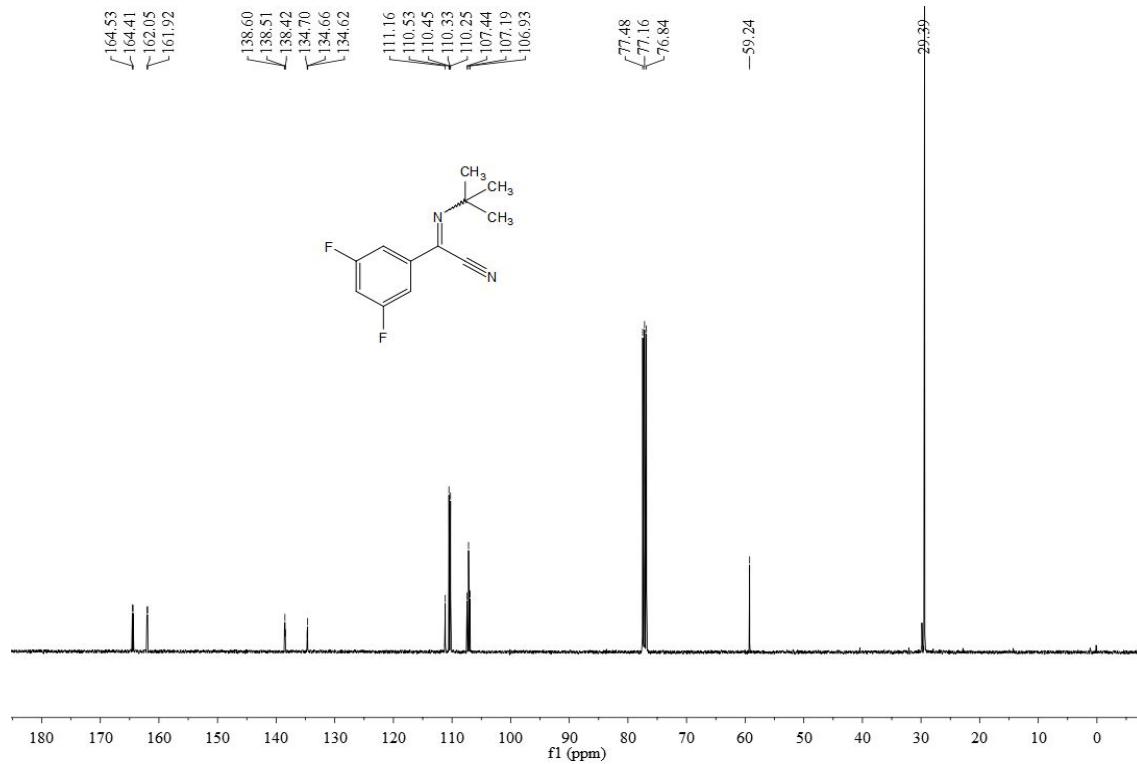
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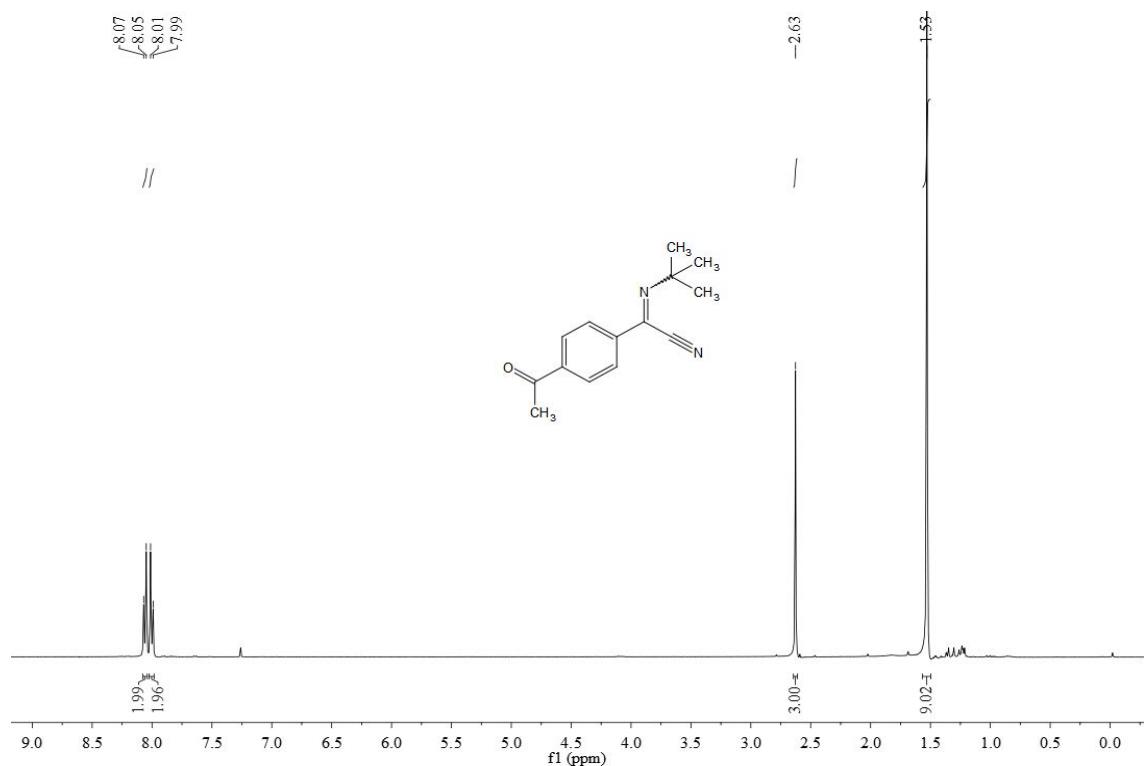
<sup>1</sup>H NMR spectrum of compound **2l**



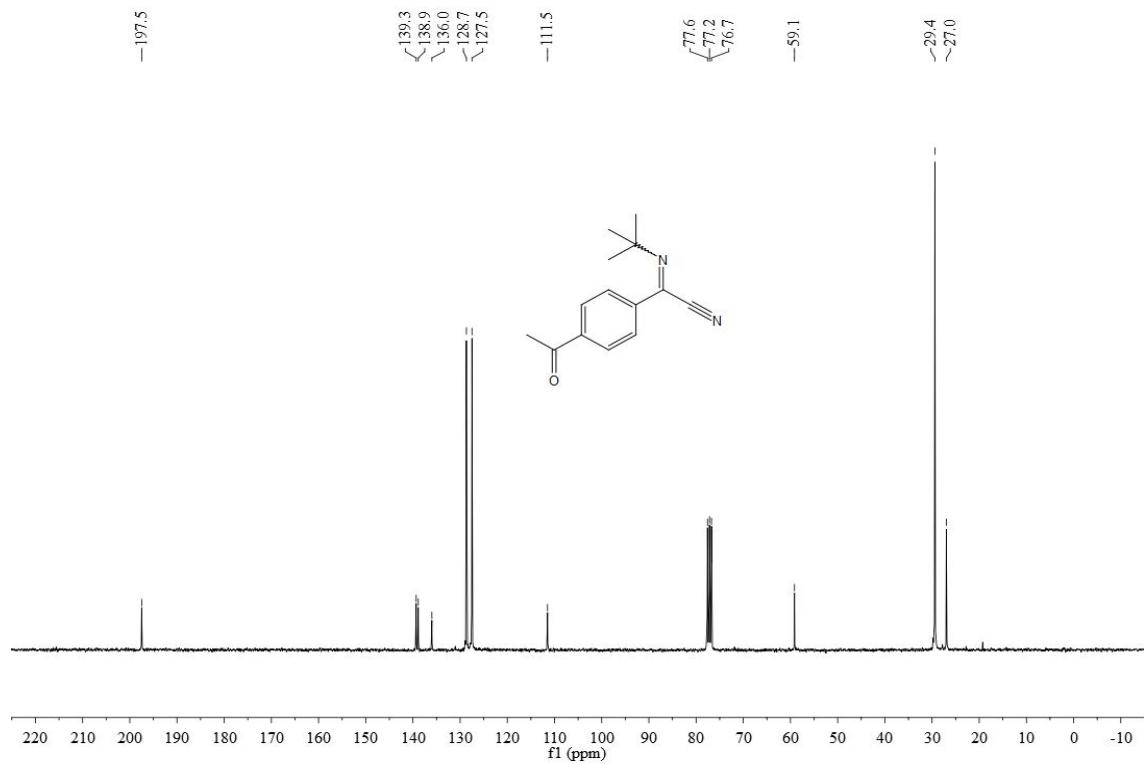
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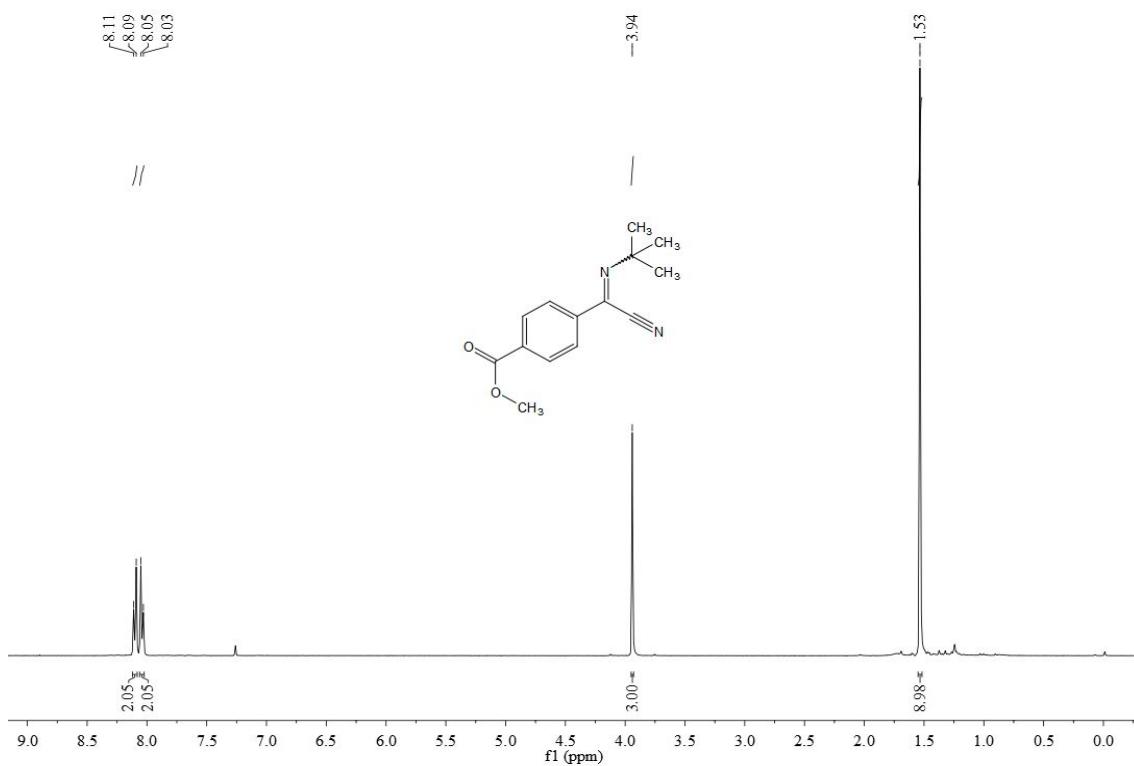
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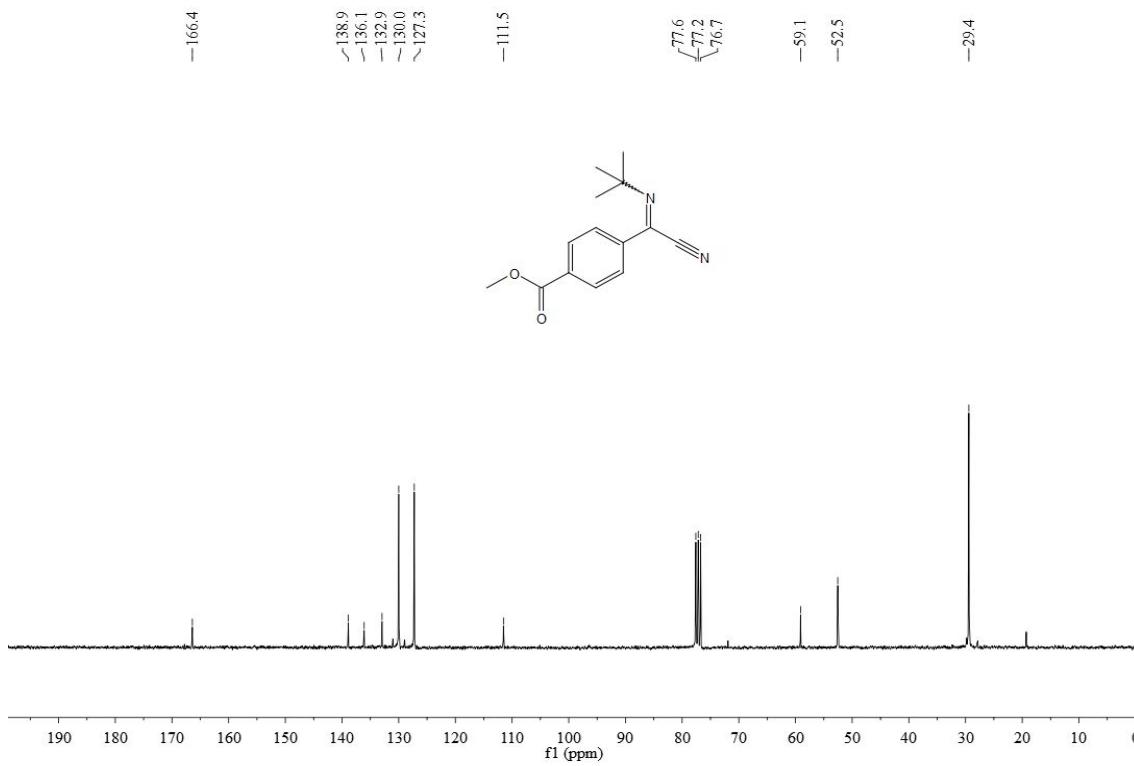
<sup>13</sup>C NMR spectrum of compound **2m**



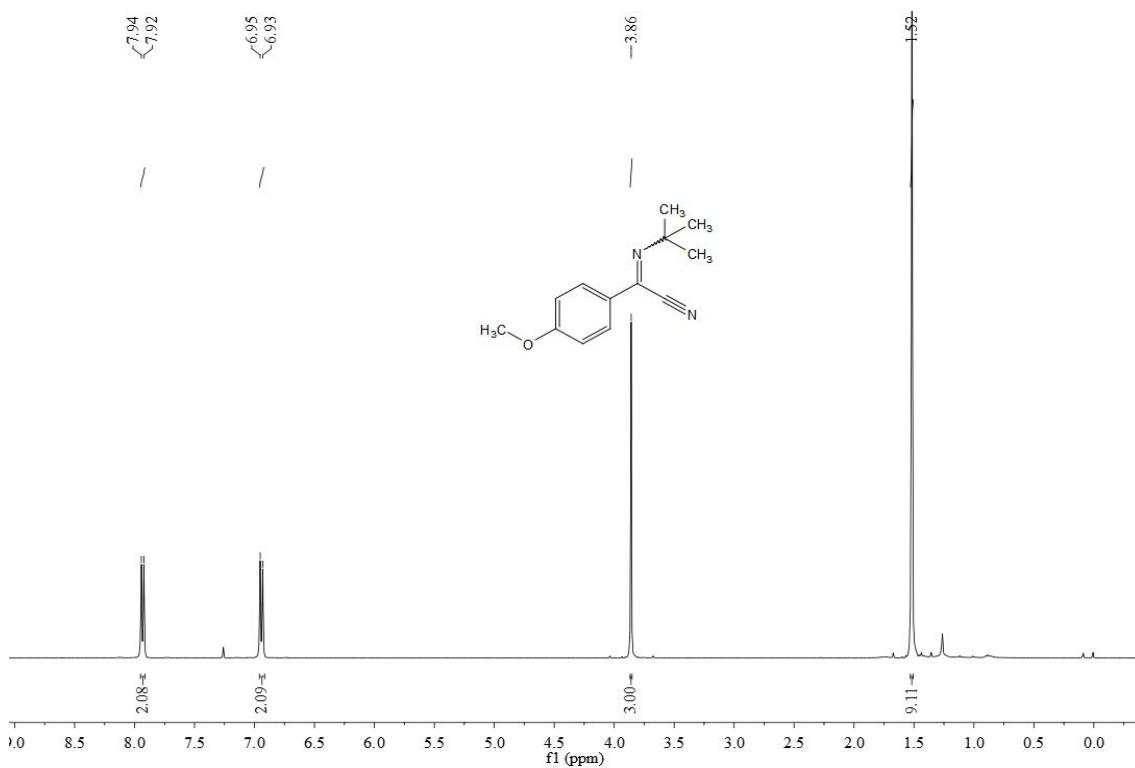
<sup>1</sup>H NMR spectrum of compound **2n**



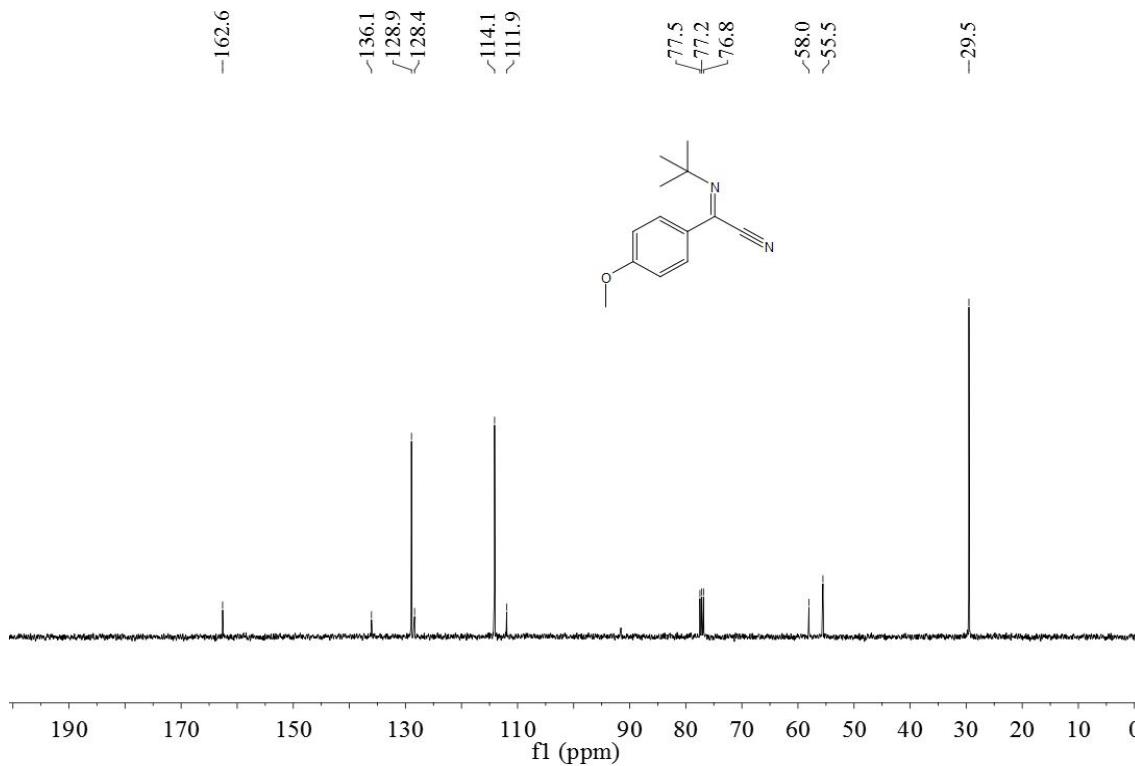
<sup>13</sup>C NMR spectrum of compound **2n**



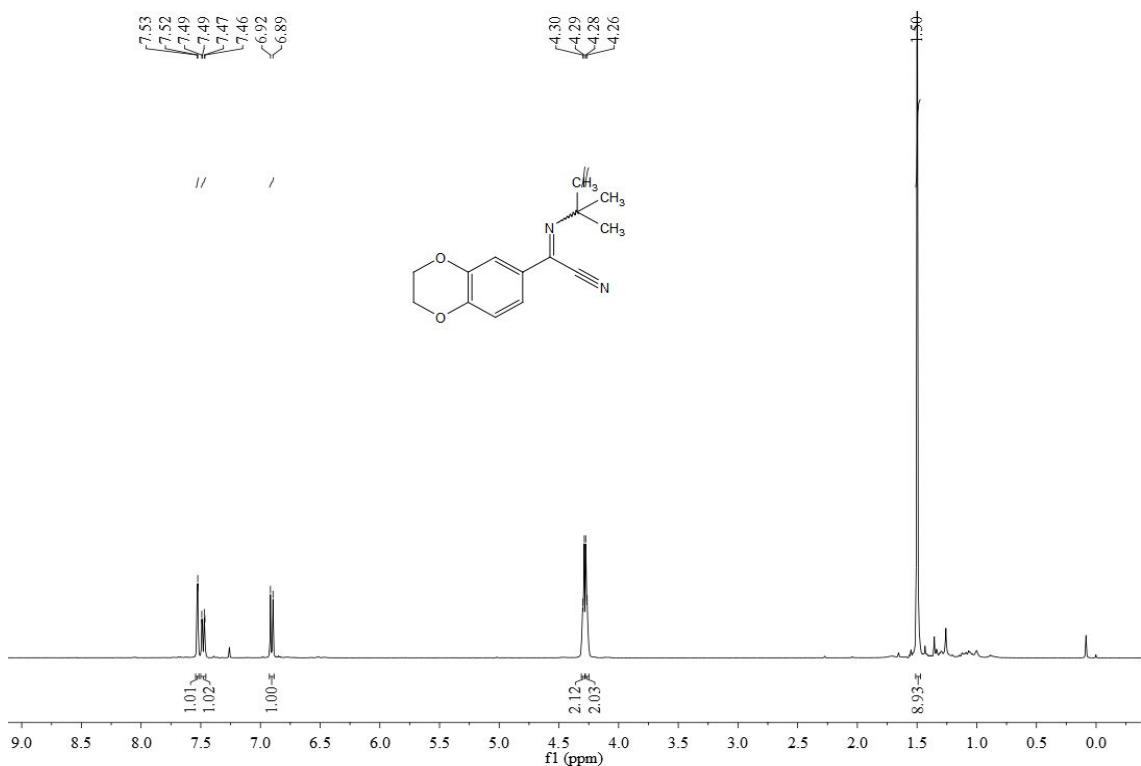
<sup>1</sup>H NMR spectrum of compound **2o**



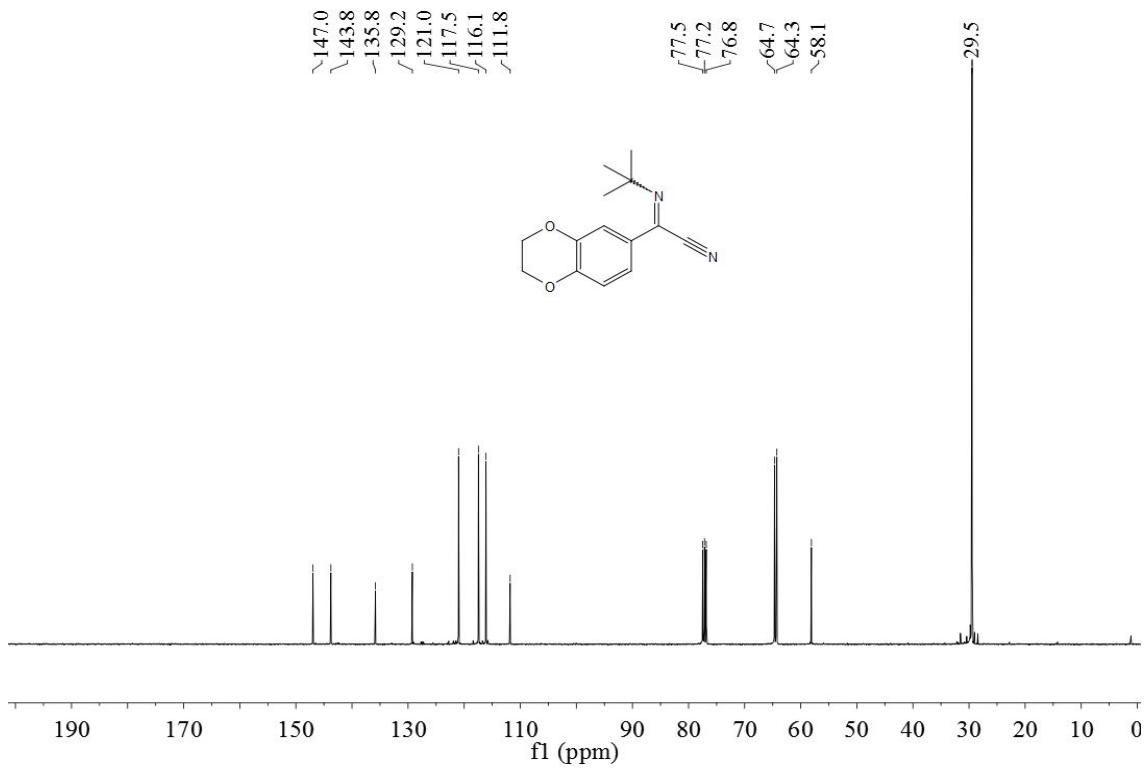
<sup>13</sup>C NMR spectrum of compound **2o**



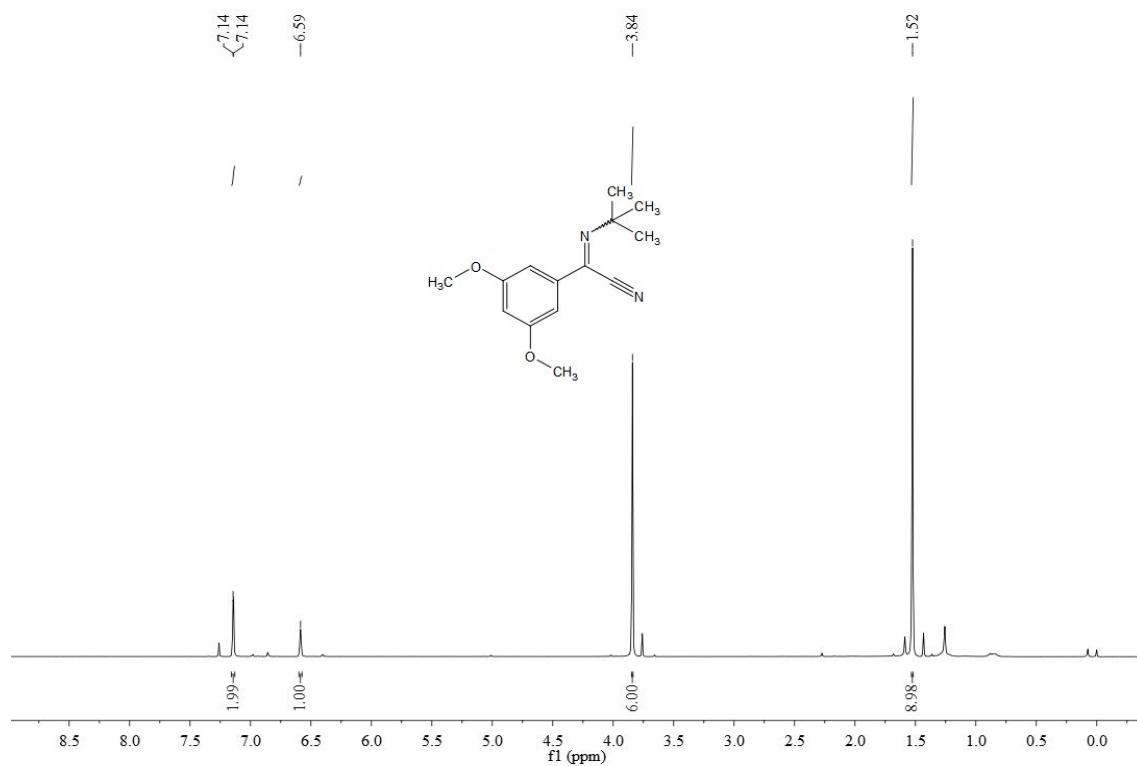
<sup>1</sup>H NMR spectrum of compound **2p**



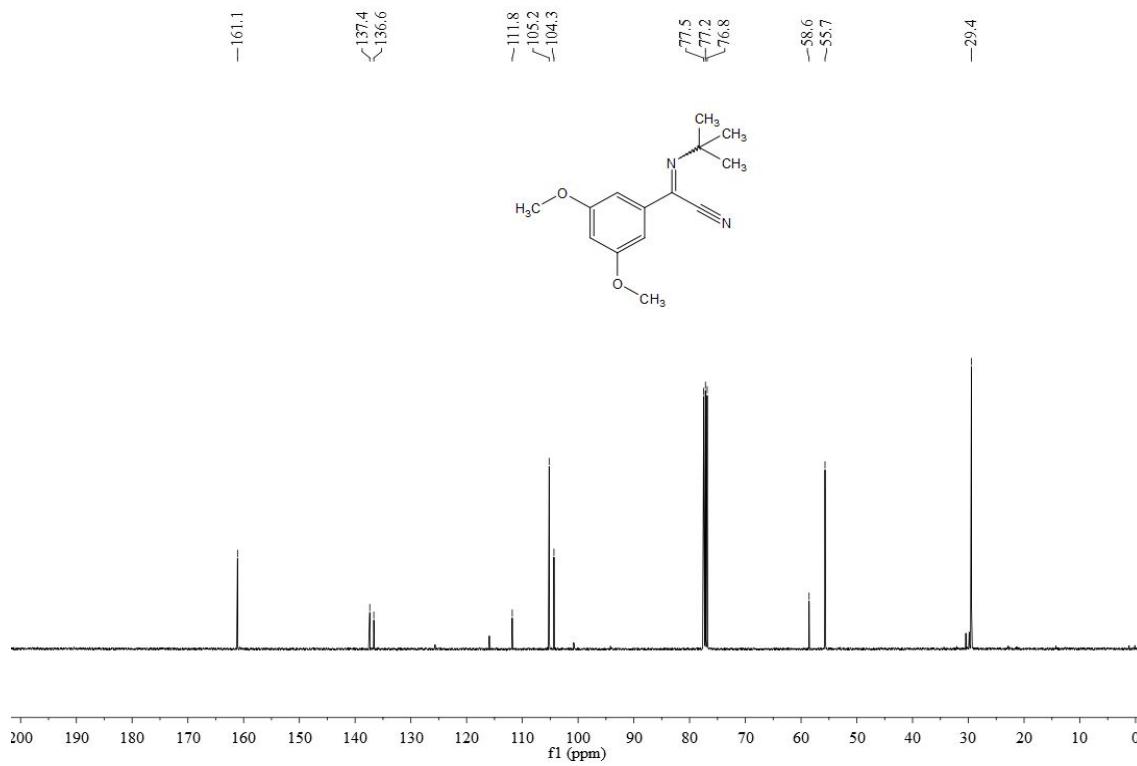
<sup>13</sup>C NMR spectrum of compound **2p**



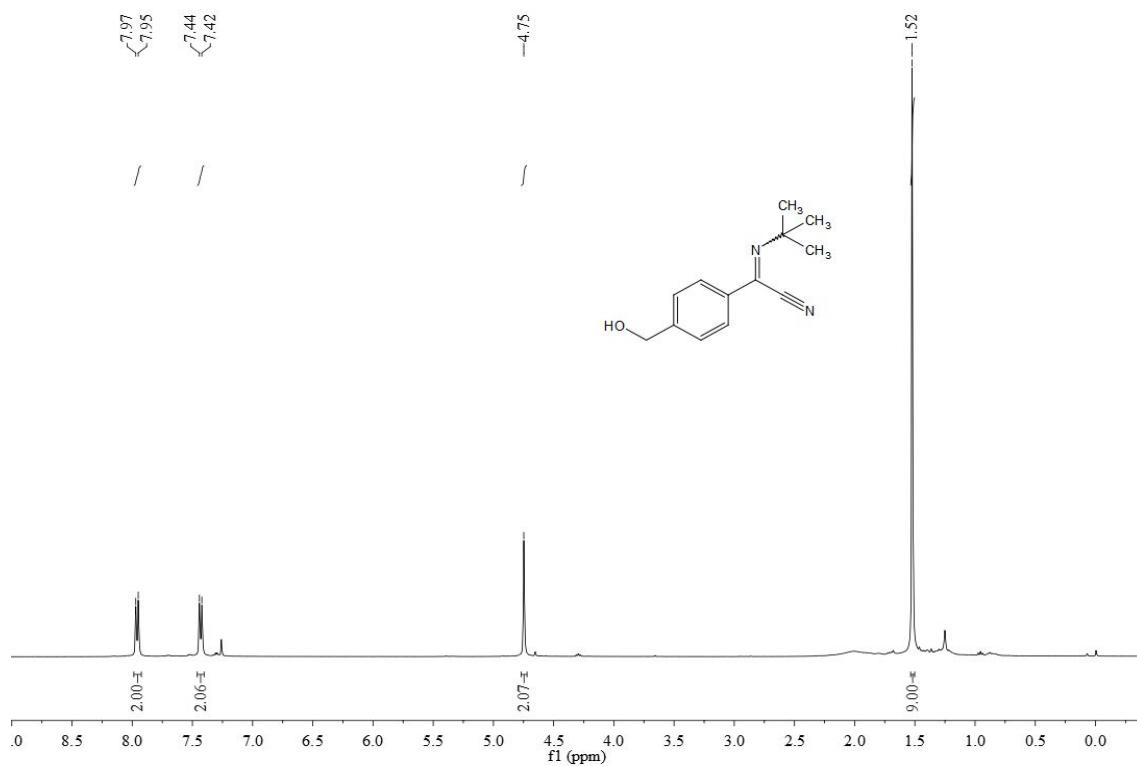
<sup>1</sup>H NMR spectrum of compound **2q**



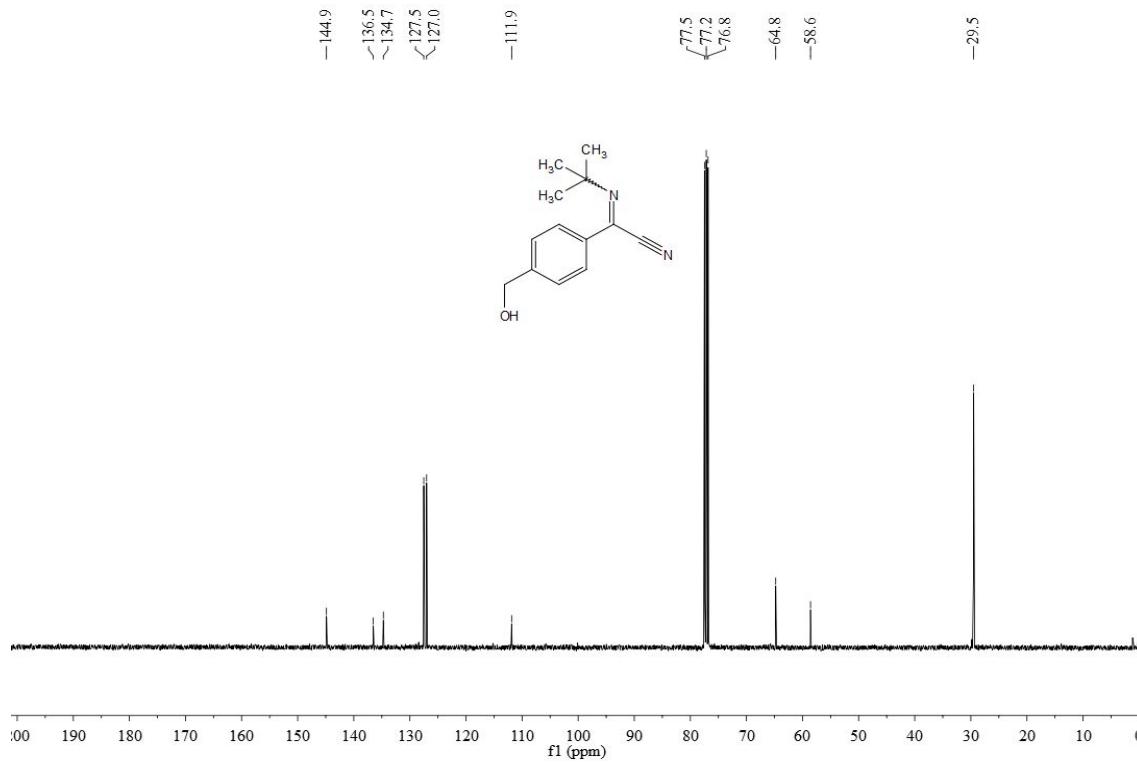
<sup>13</sup>C NMR spectrum of compound **2q**



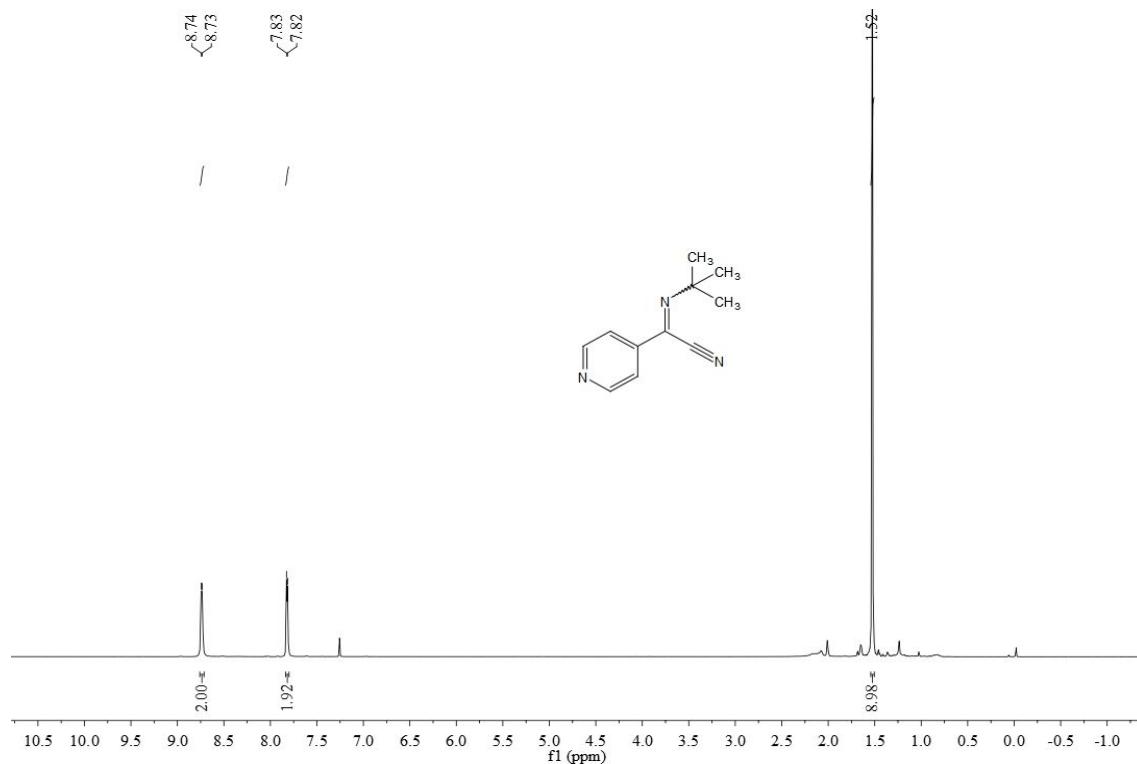
<sup>1</sup>H NMR spectrum of compound **2r**



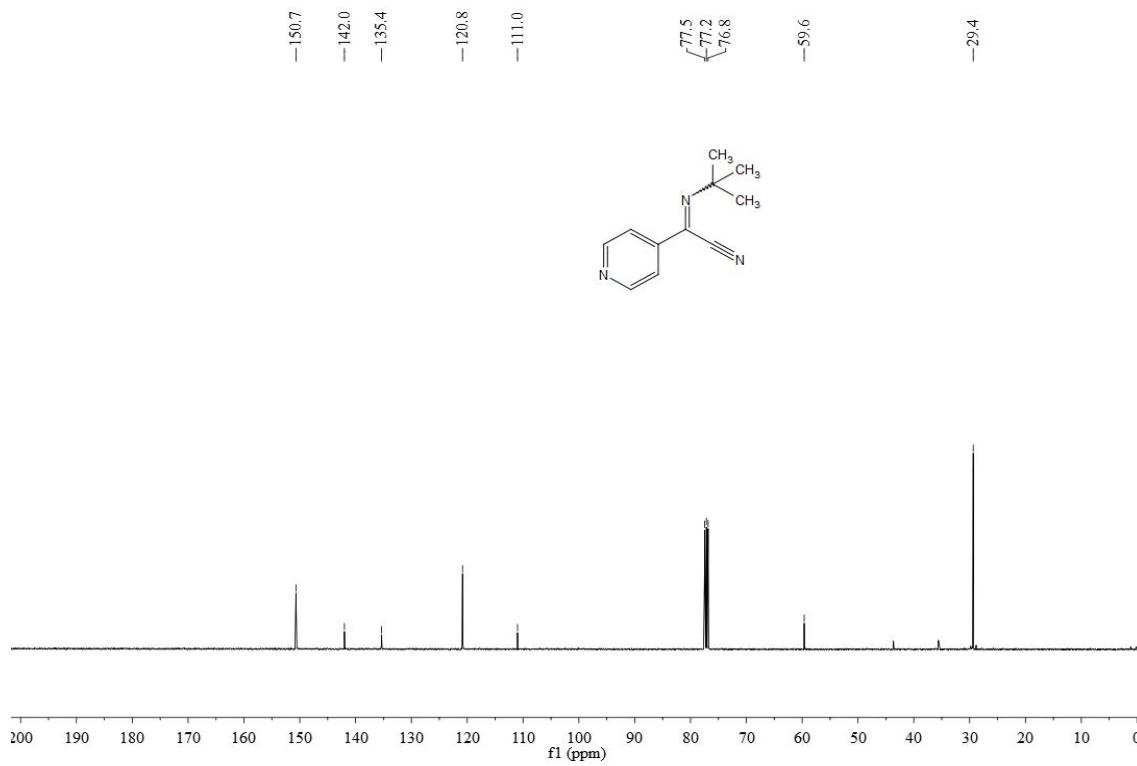
<sup>13</sup>C NMR spectrum of compound **2r**



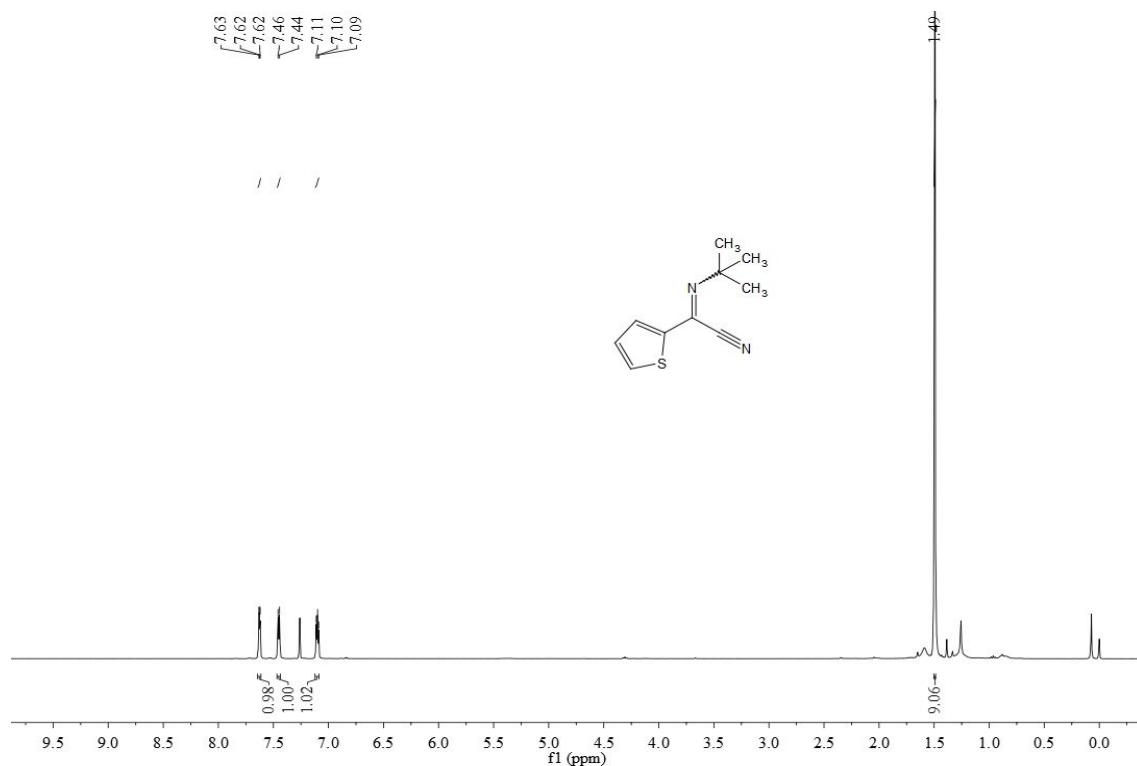
<sup>1</sup>H NMR spectrum of compound **2s**



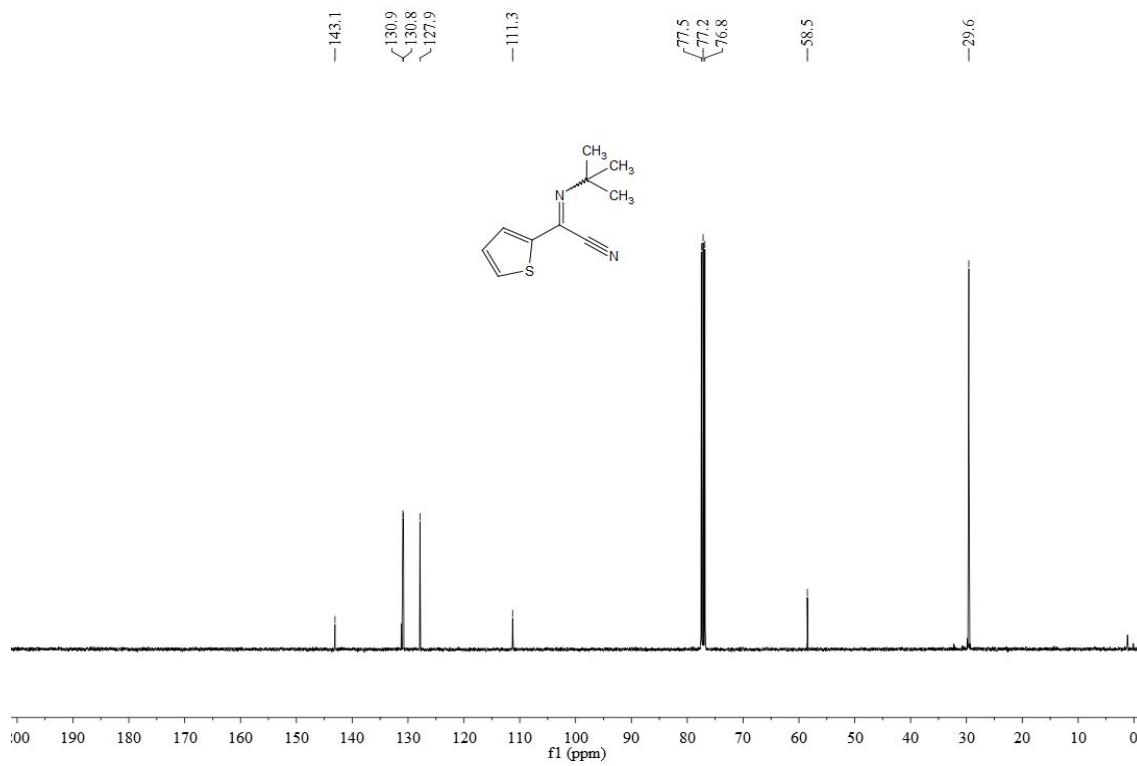
<sup>13</sup>C NMR spectrum of compound **2s**



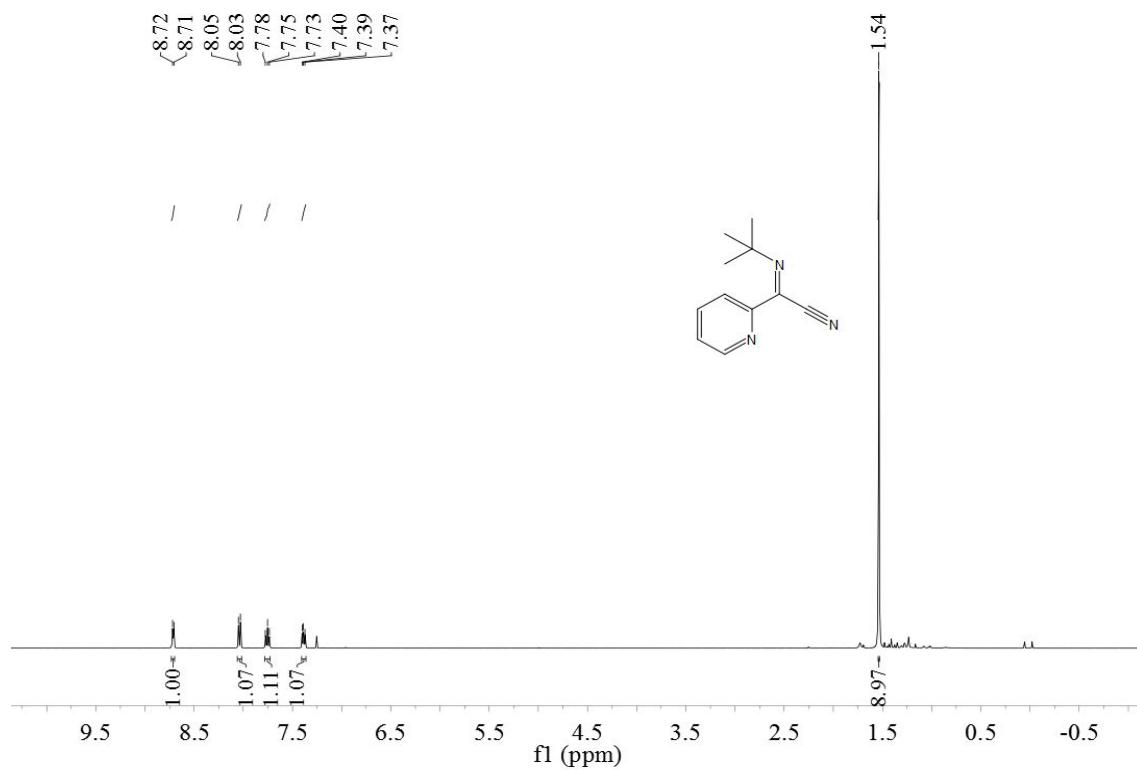
<sup>1</sup>H NMR spectrum of compound **2t**



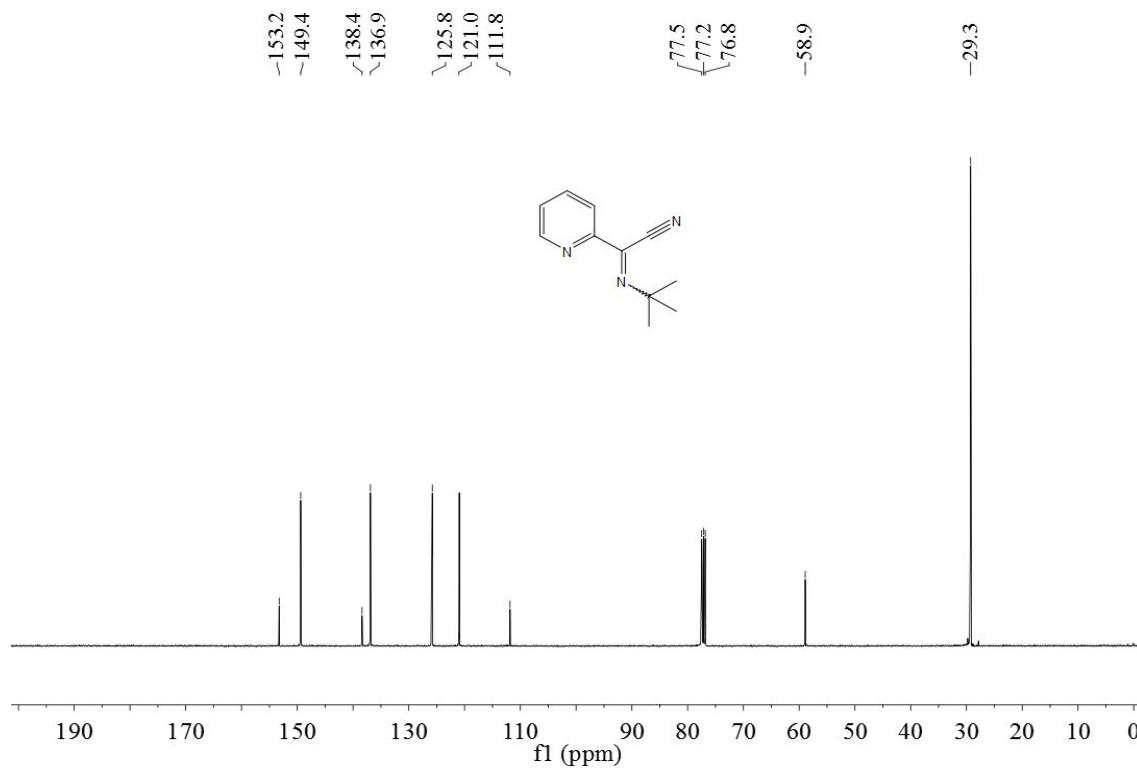
<sup>13</sup>C NMR spectrum of compound **2t**



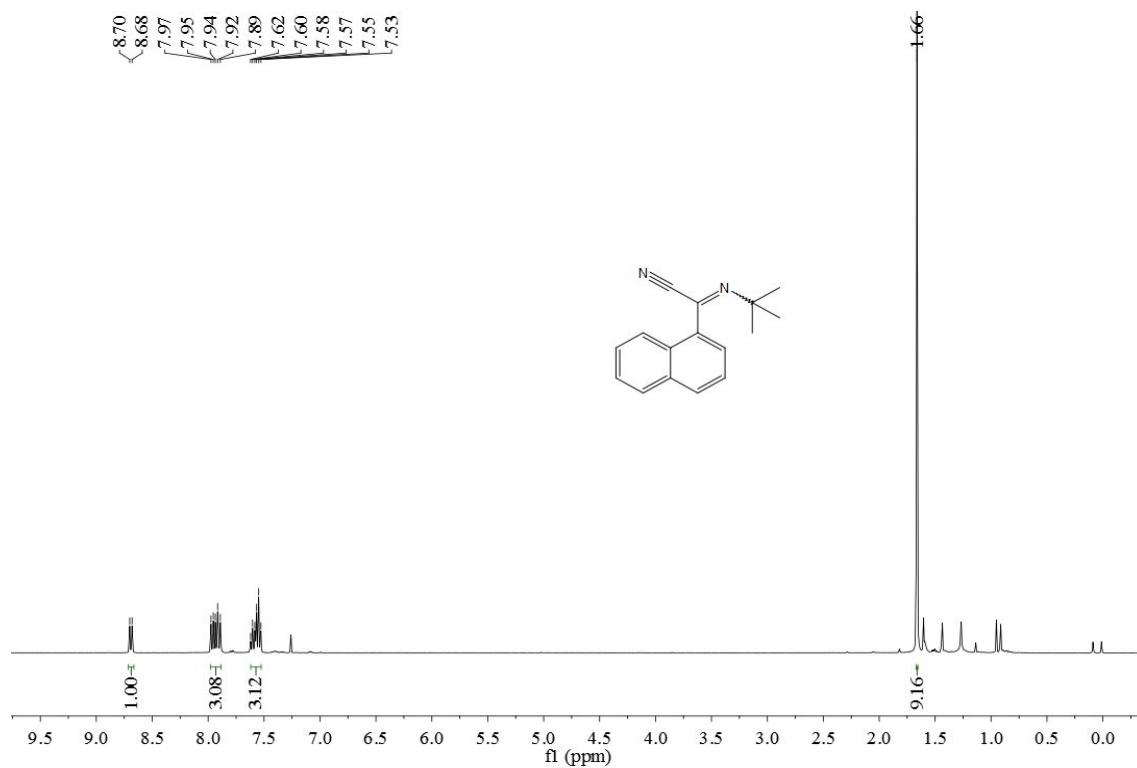
<sup>1</sup>H NMR spectrum of compound **2u**



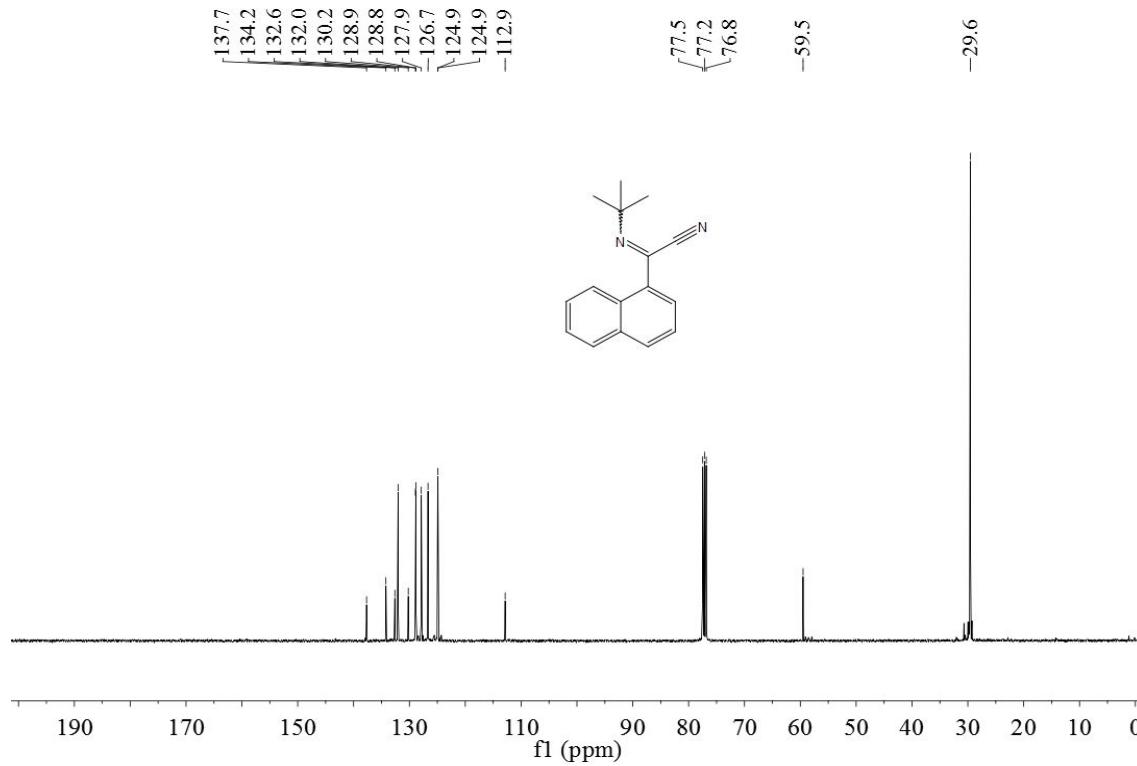
<sup>13</sup>C NMR spectrum of compound **2u**



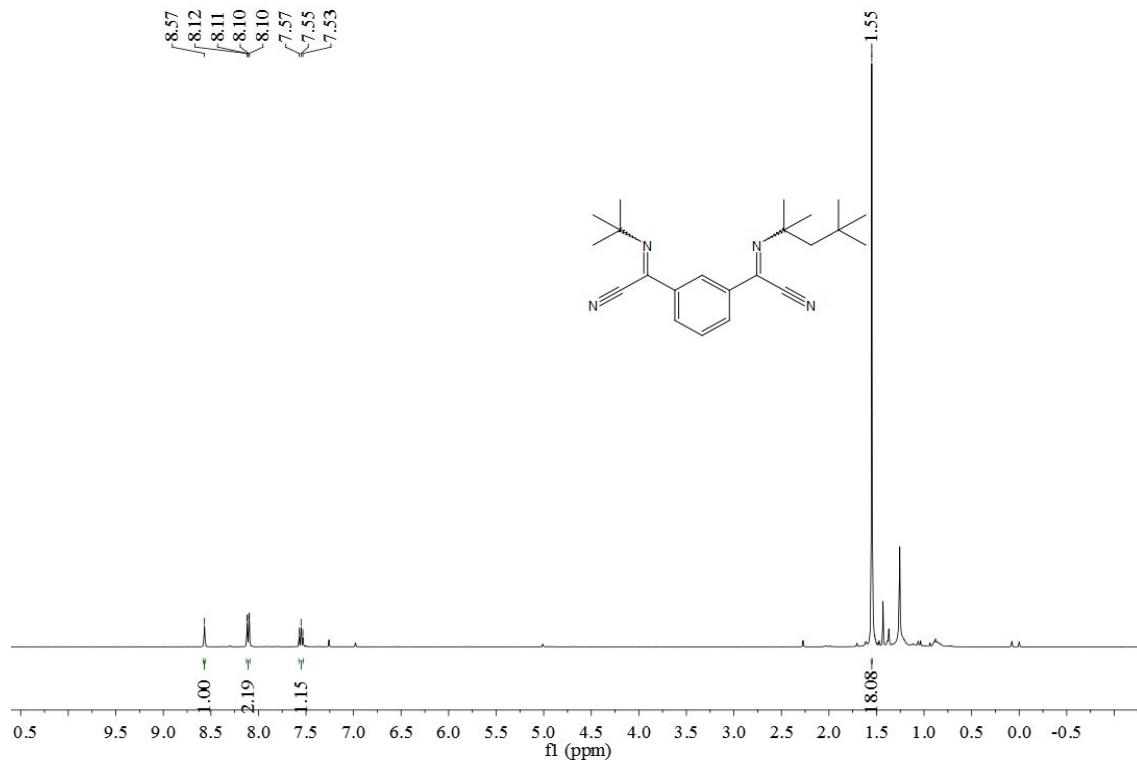
<sup>1</sup>H NMR spectrum of compound **2v**



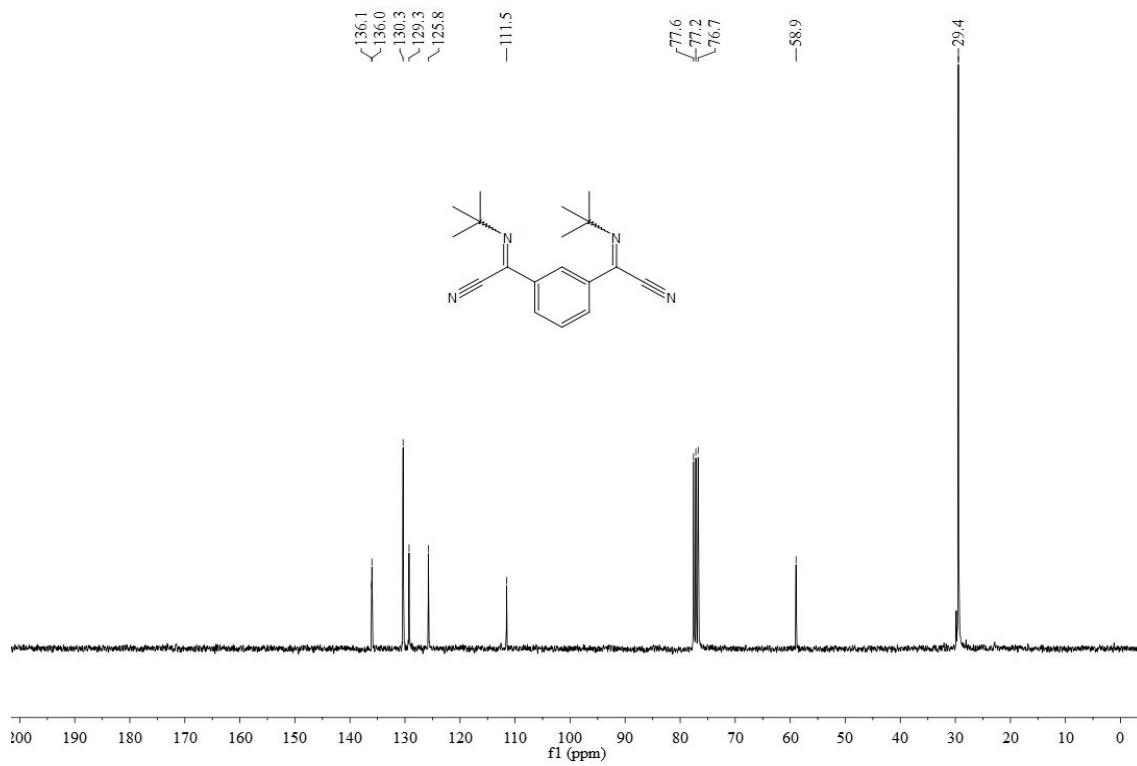
<sup>13</sup>C NMR spectrum of compound **2v**



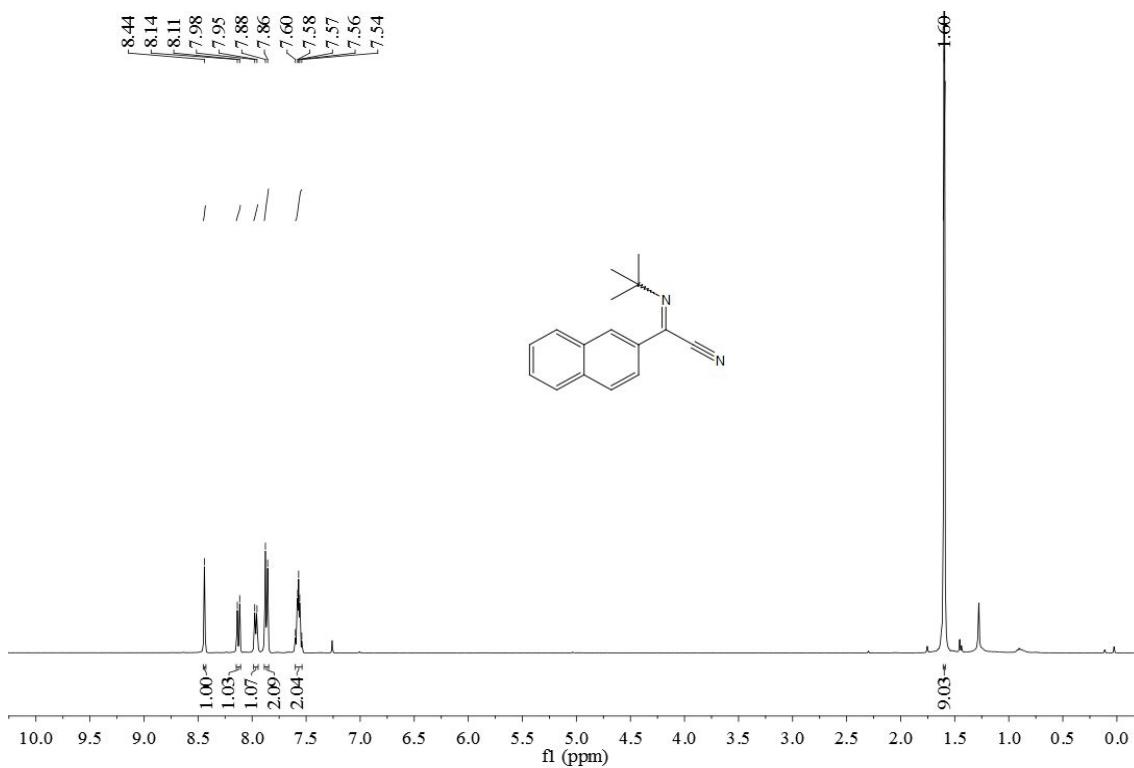
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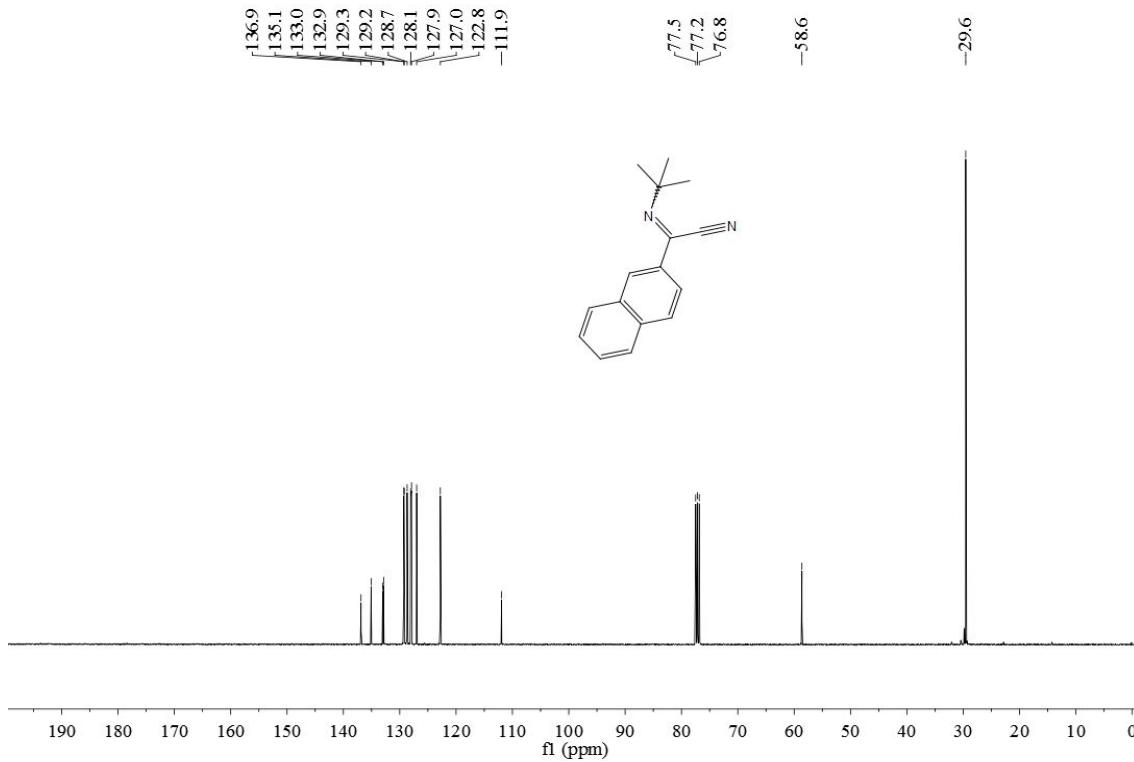
<sup>13</sup>C NMR spectrum of compound **2w**



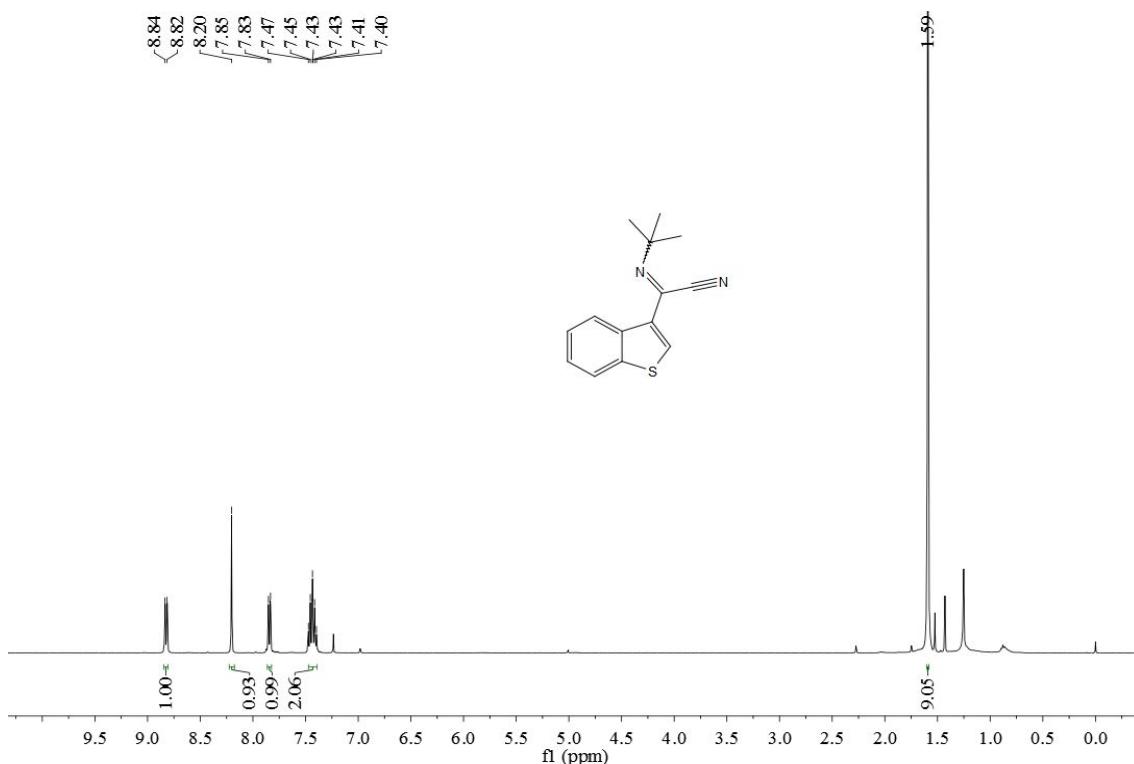
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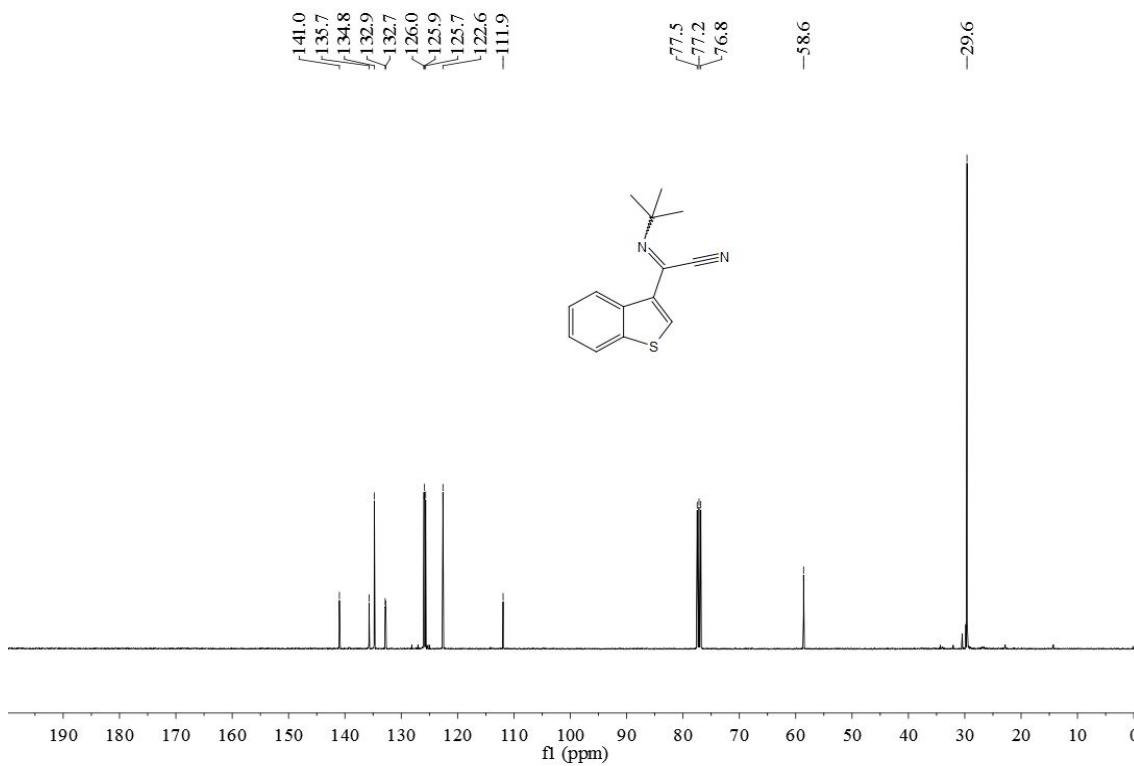
<sup>13</sup>C NMR spectrum of compound **2x**



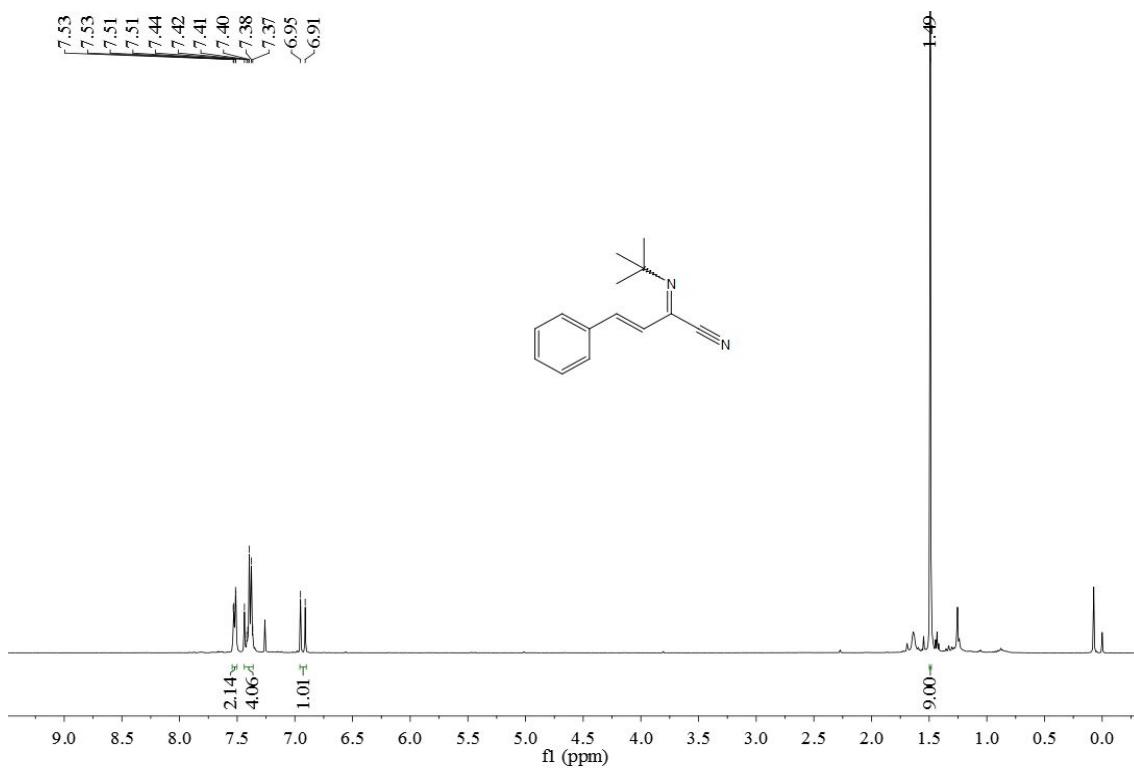
<sup>1</sup>H NMR spectrum of compound **2y**



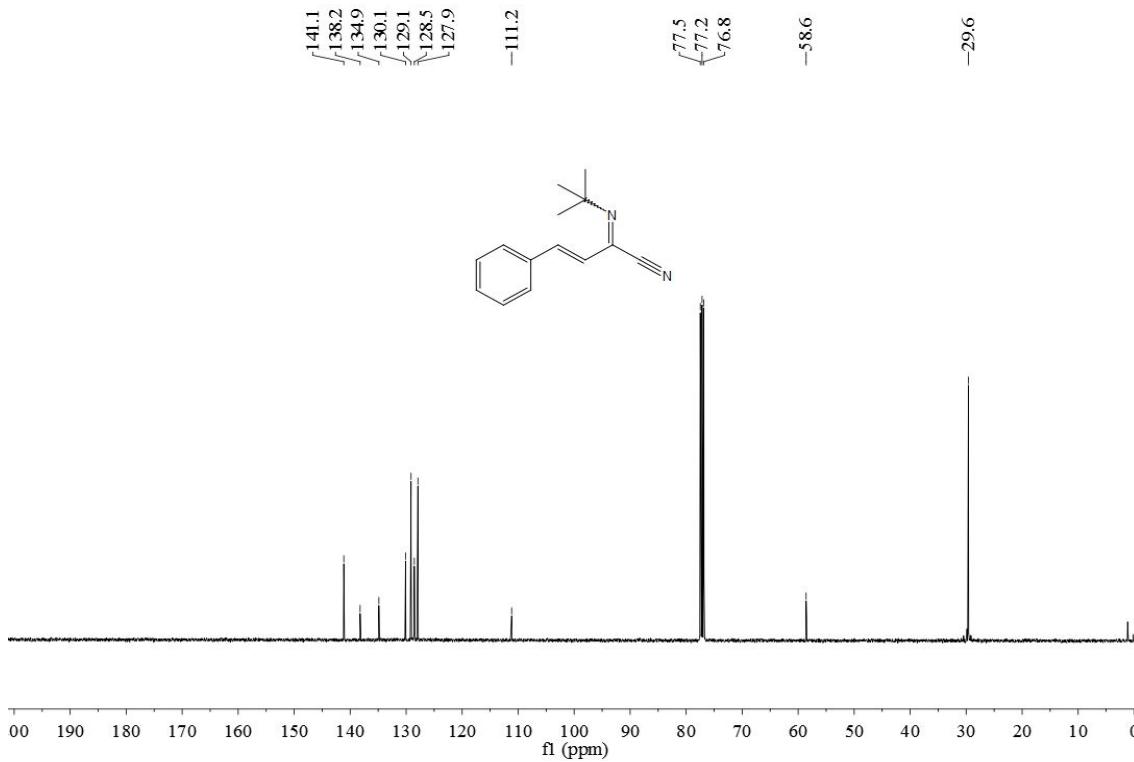
<sup>13</sup>C NMR spectrum of compound **2y**



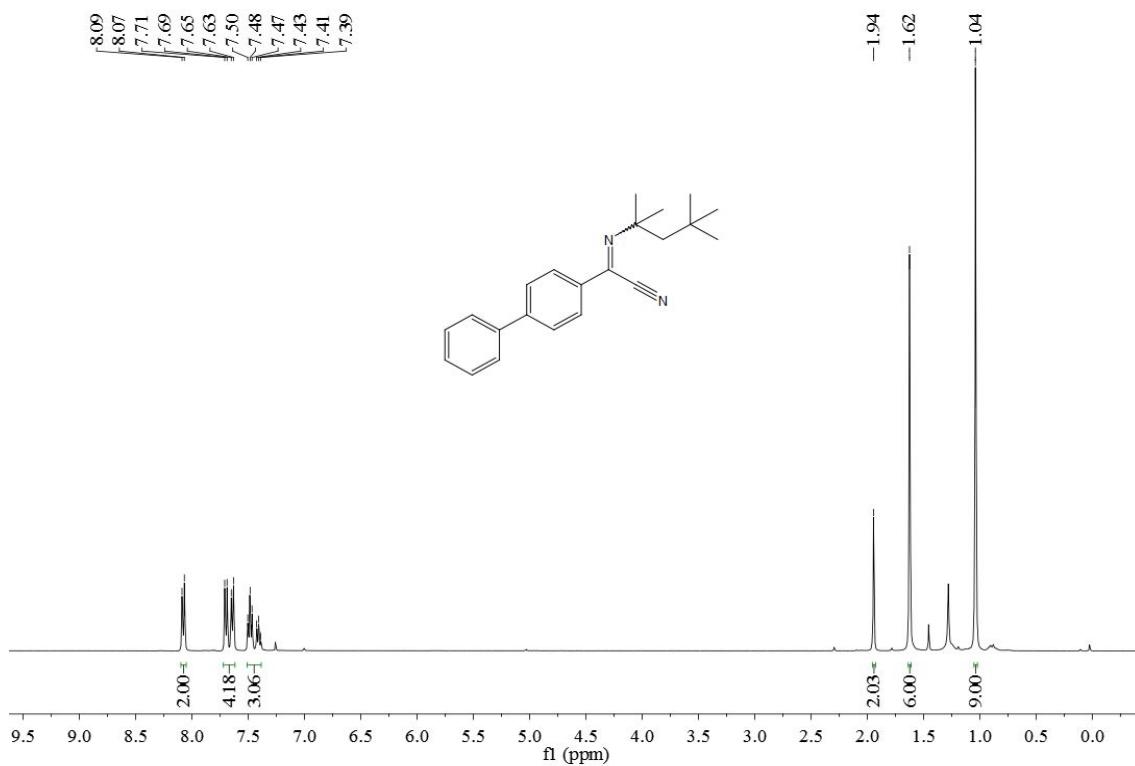
<sup>1</sup>H NMR spectrum of compound **2z**



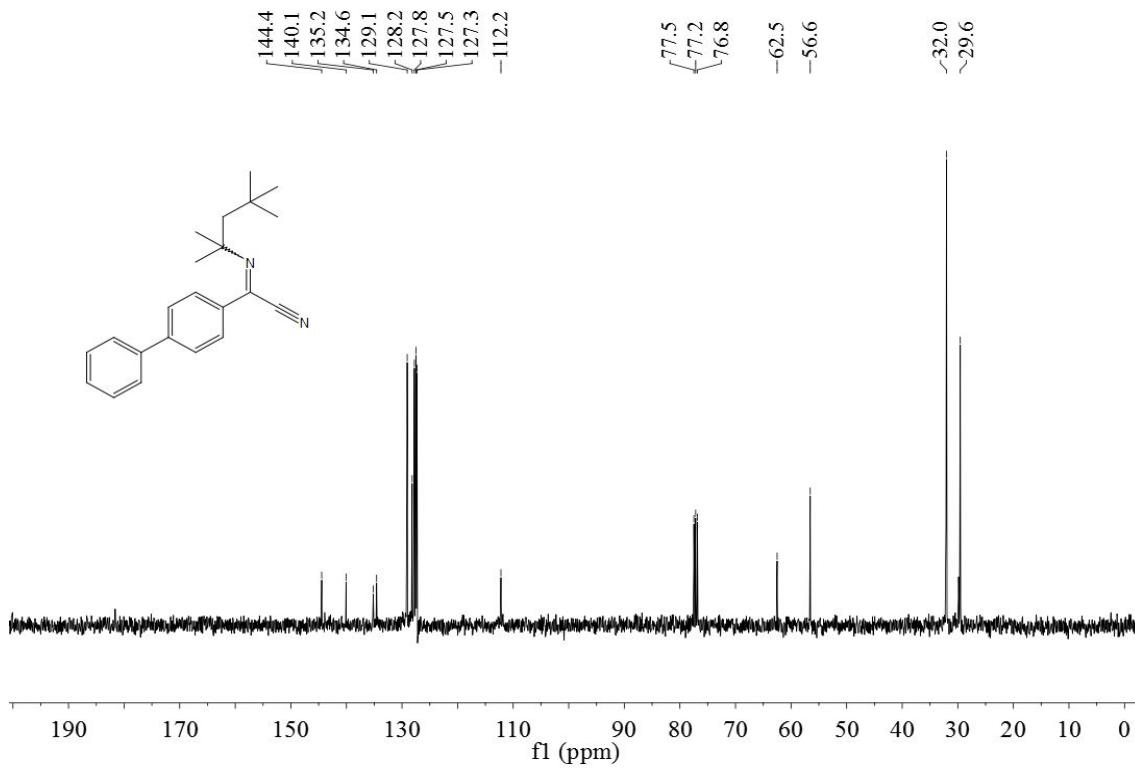
<sup>13</sup>C NMR spectrum of compound **2z**



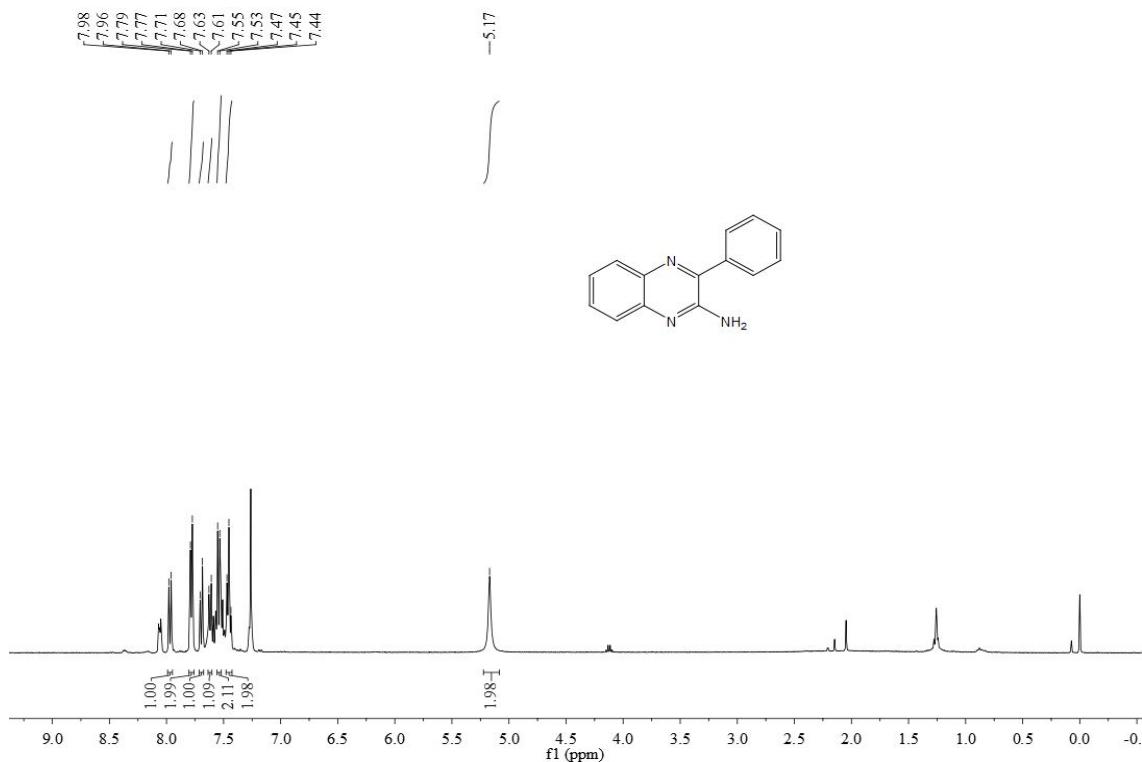
<sup>1</sup>H NMR spectrum of compound **3d**



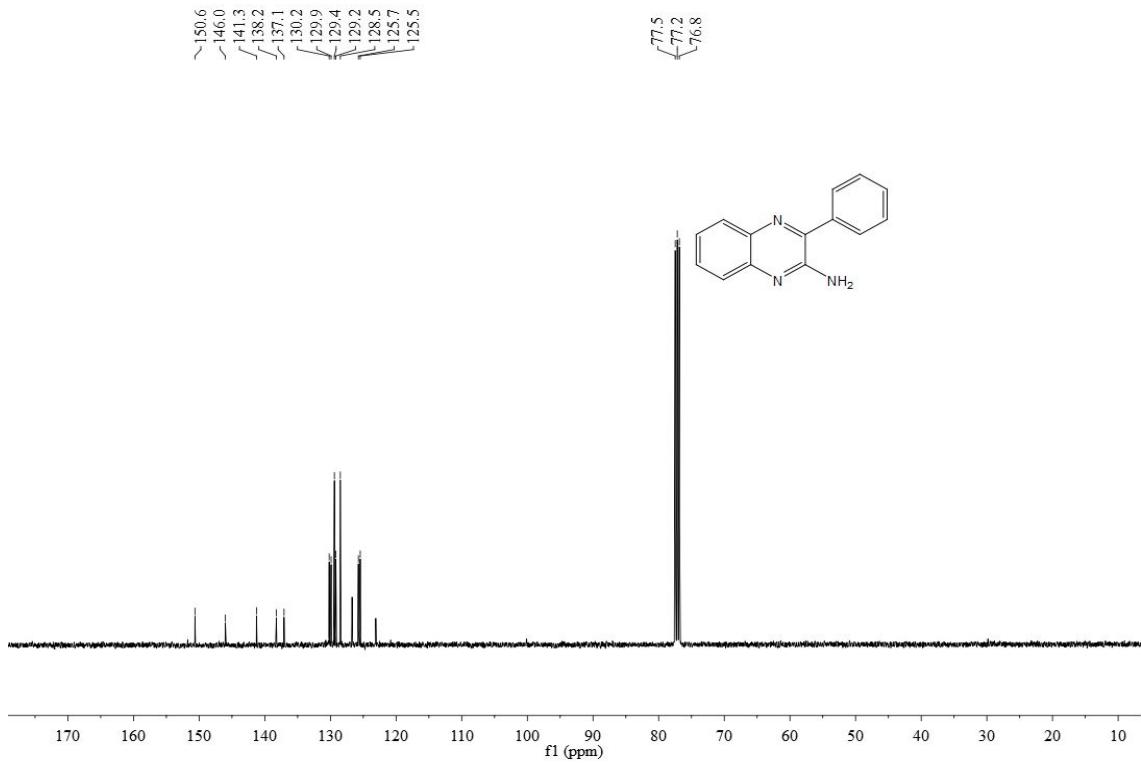
<sup>13</sup>C NMR spectrum of compound **3d**



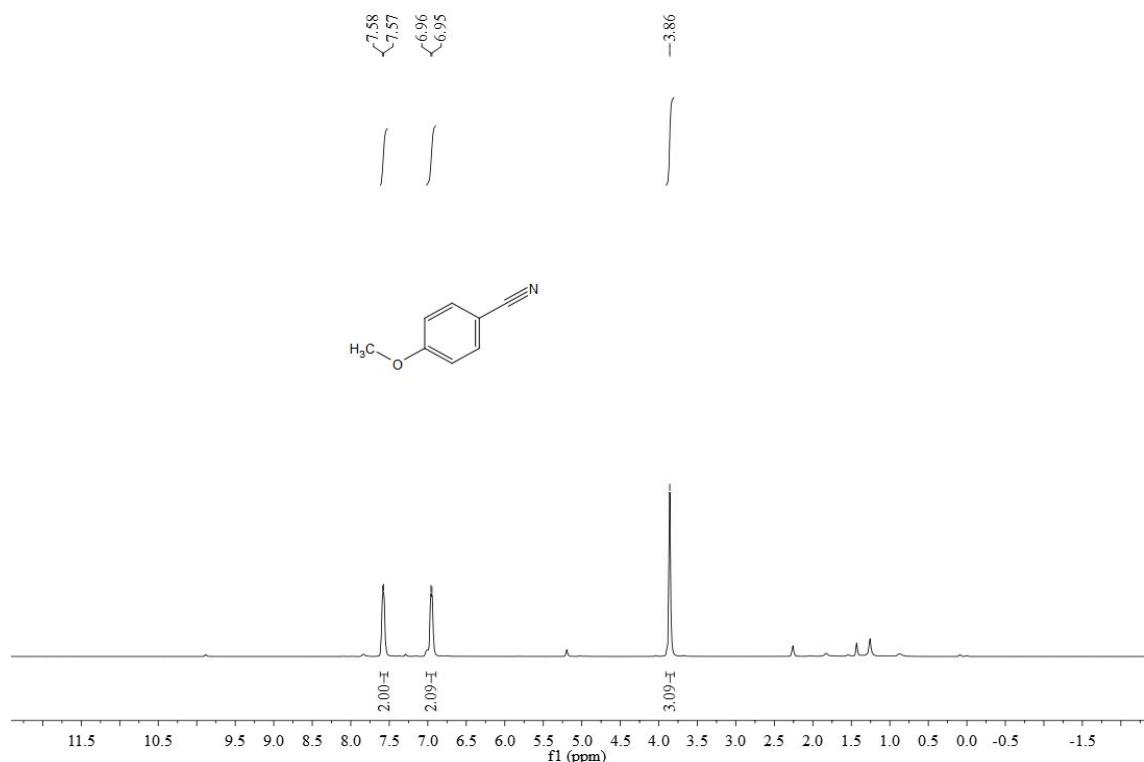
<sup>1</sup>H NMR spectrum of compound **4a**



<sup>13</sup>C NMR spectrum of compound **4a**



<sup>1</sup>H NMR spectrum of compound **2oa**



<sup>13</sup>C NMR spectrum of compound **2oa**

