

Supporting Information

Synthesis of Unsymmetrical 2,6-Diarylanilines by Palladium-Catalyzed C-H Bond Functionalization Methodology

Se Hun Kwak, Nurbey Gulia and Olafs Daugulis*

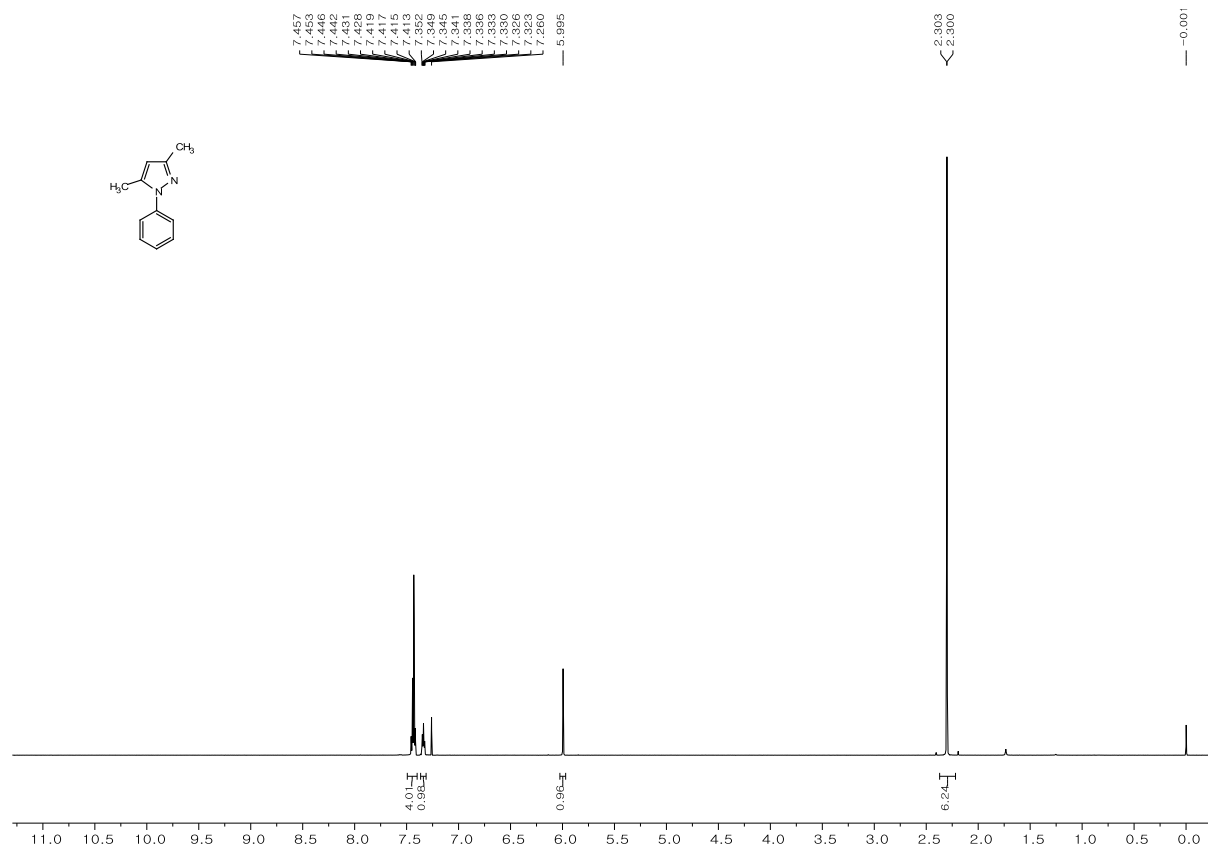
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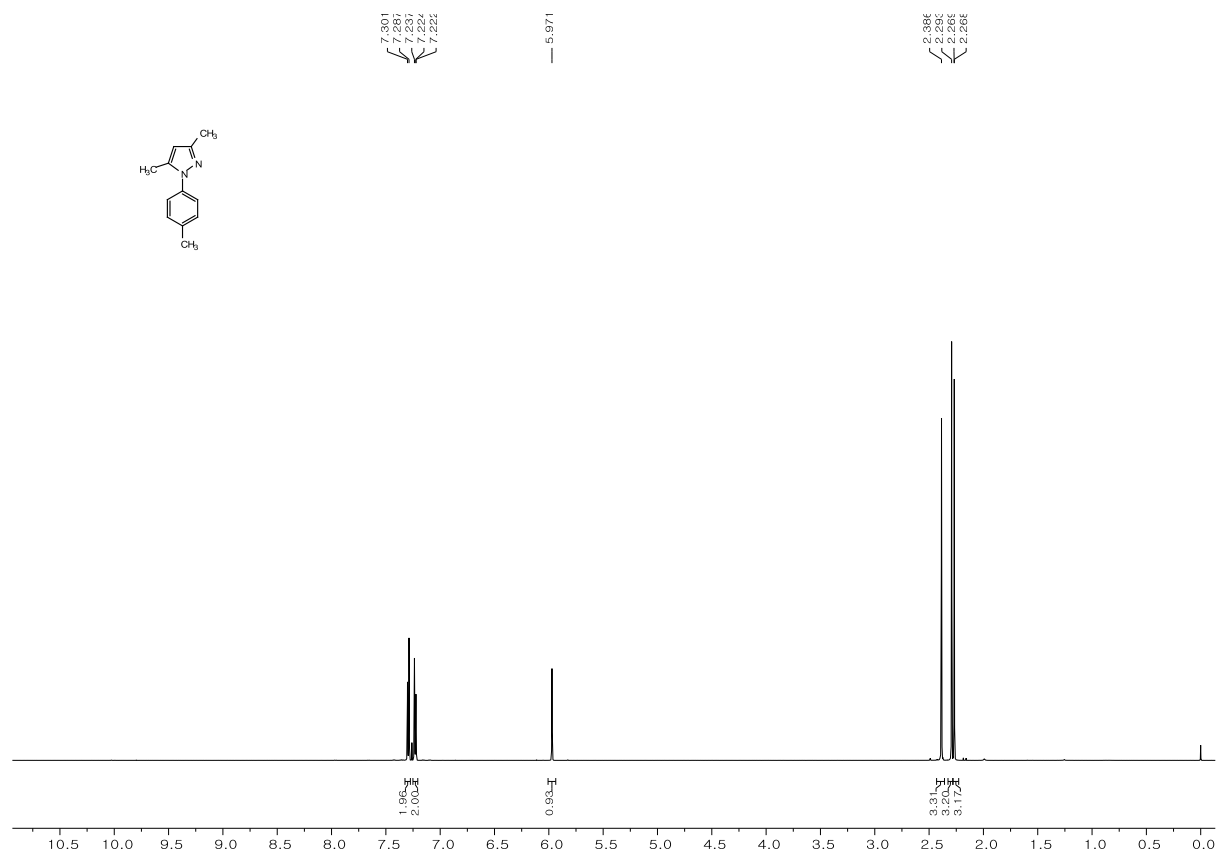
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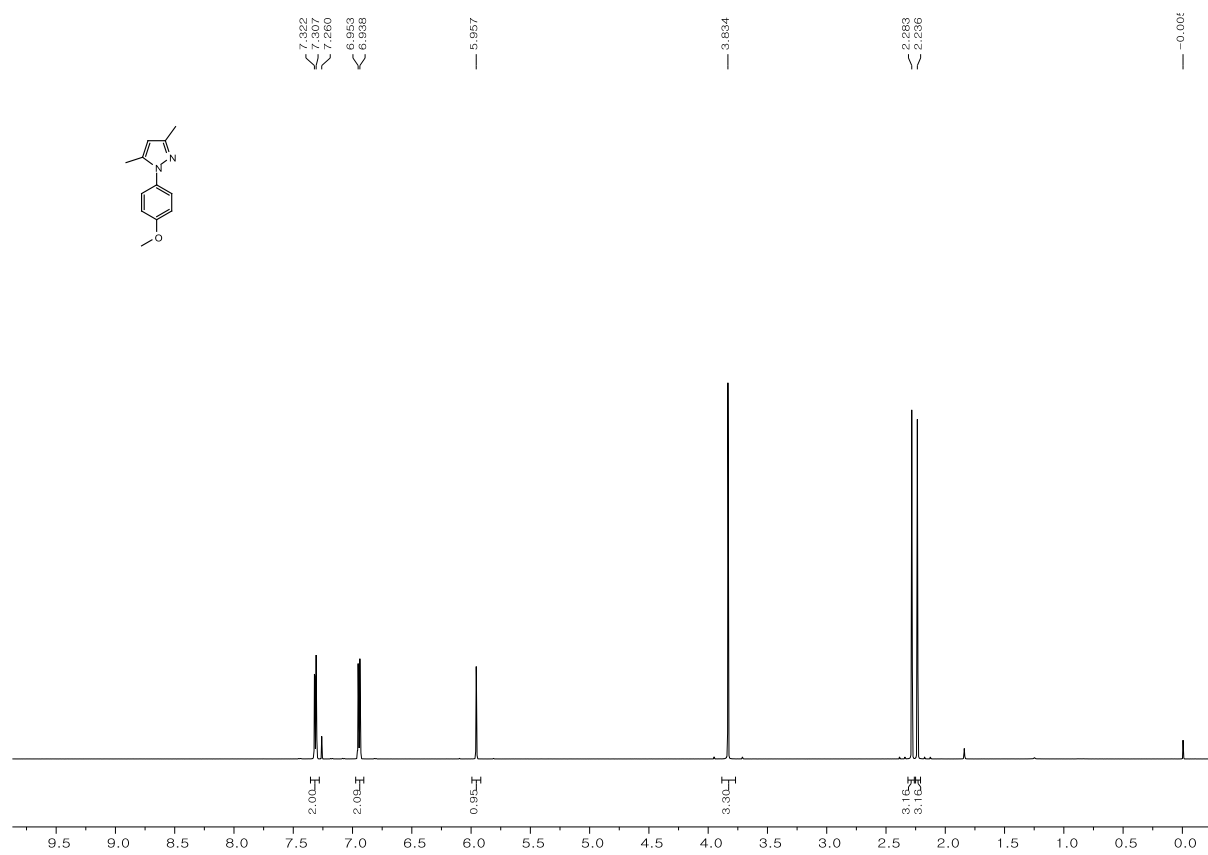
3,5-Dimethyl-1-phenyl-1H-pyrazole (1a).



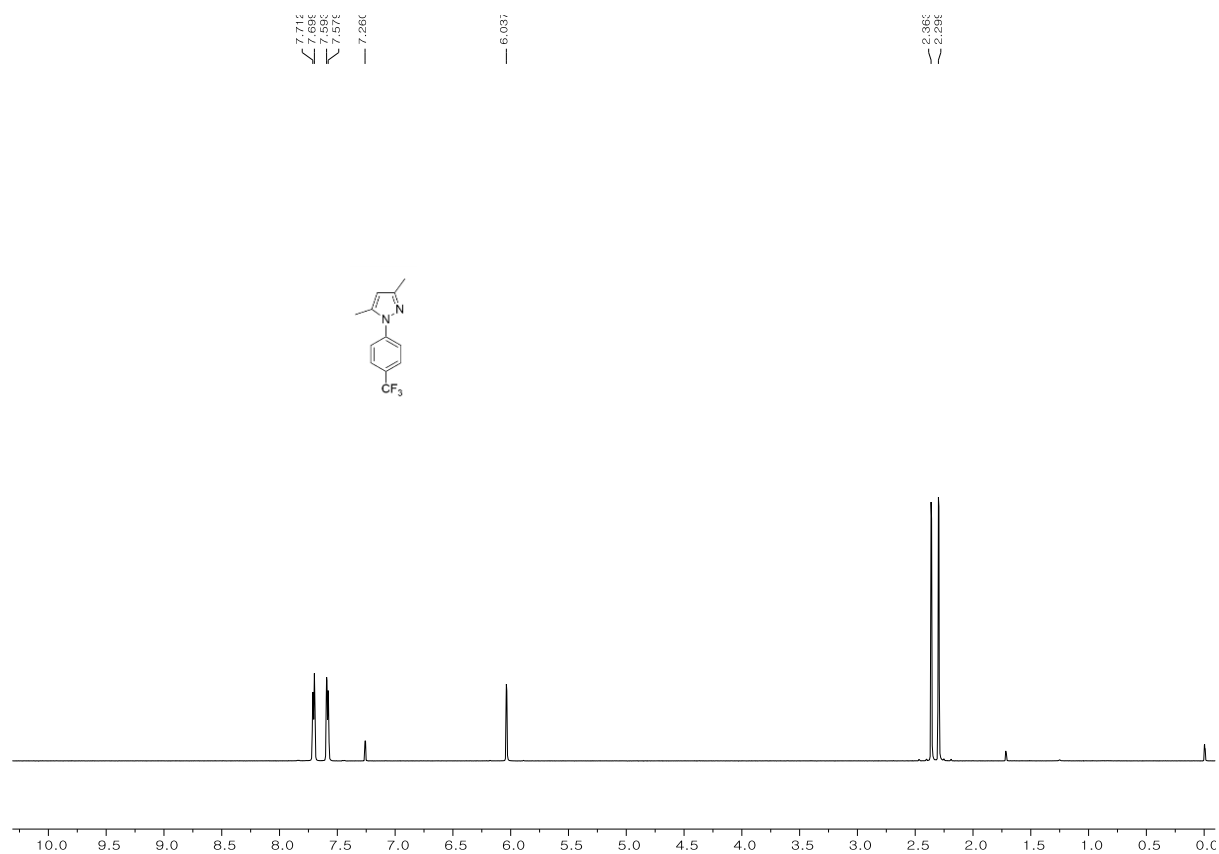
3,5-Dimethyl-1-(p-tolyl)-1H-pyrazole (1b).



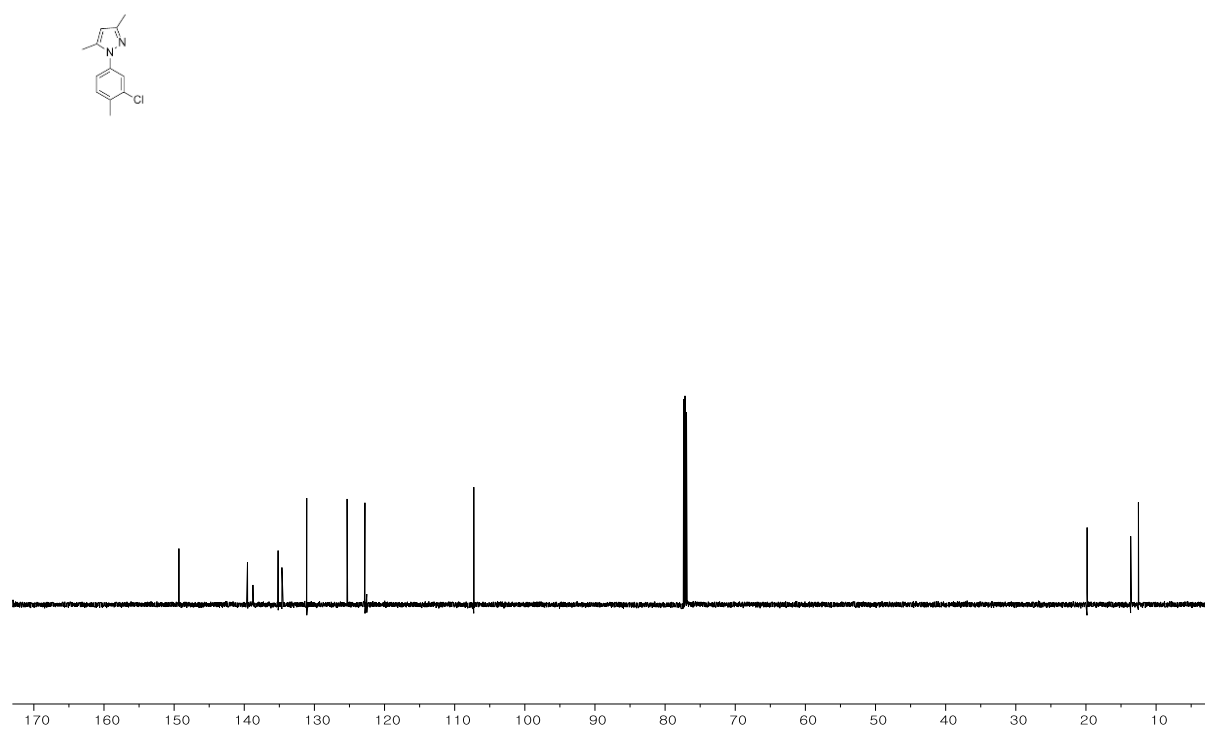
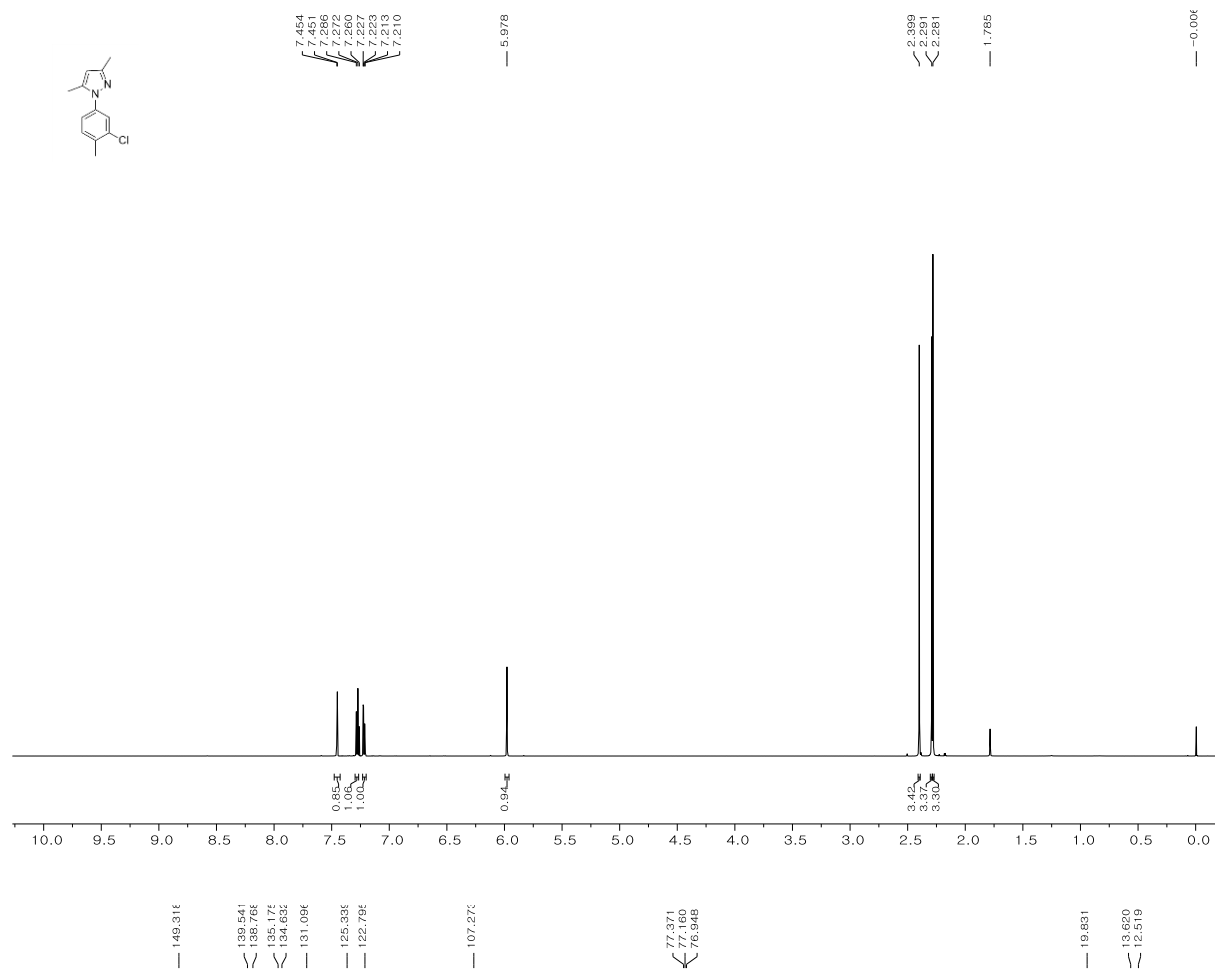
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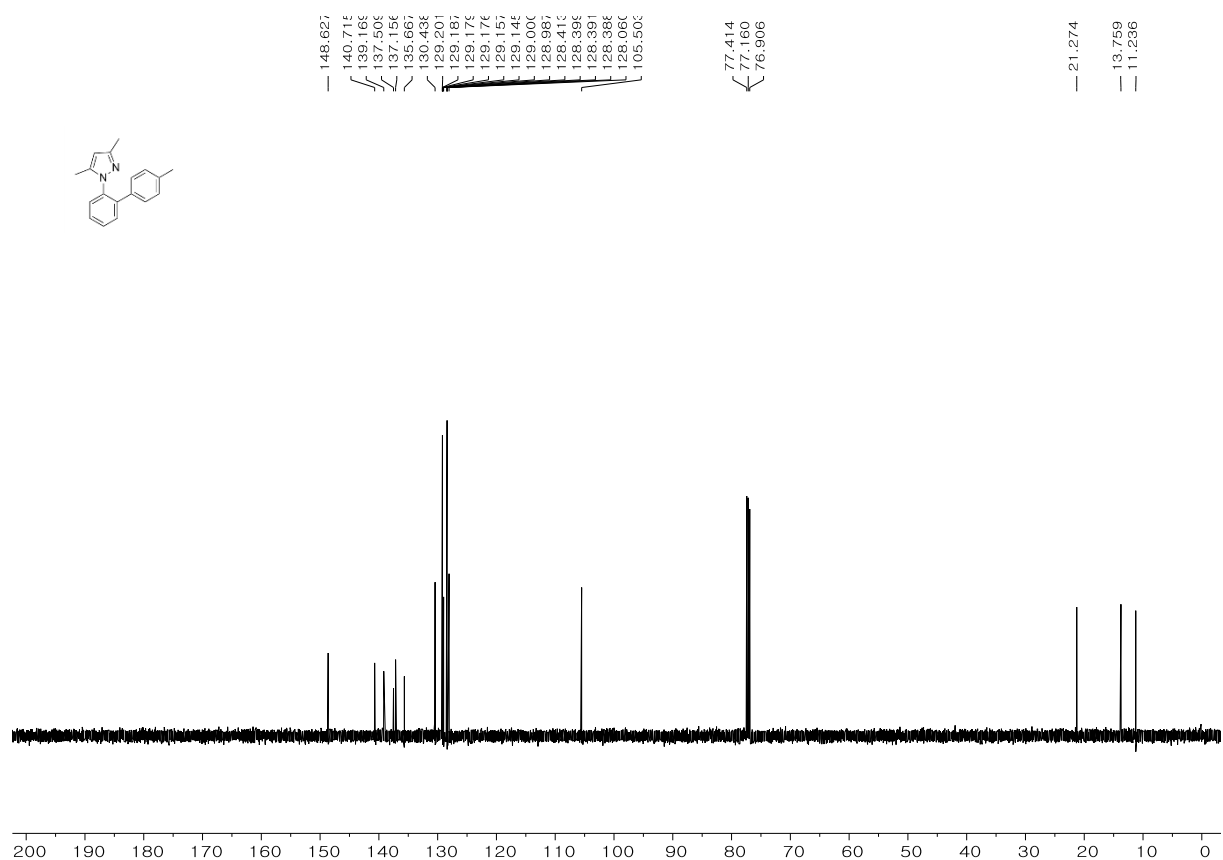
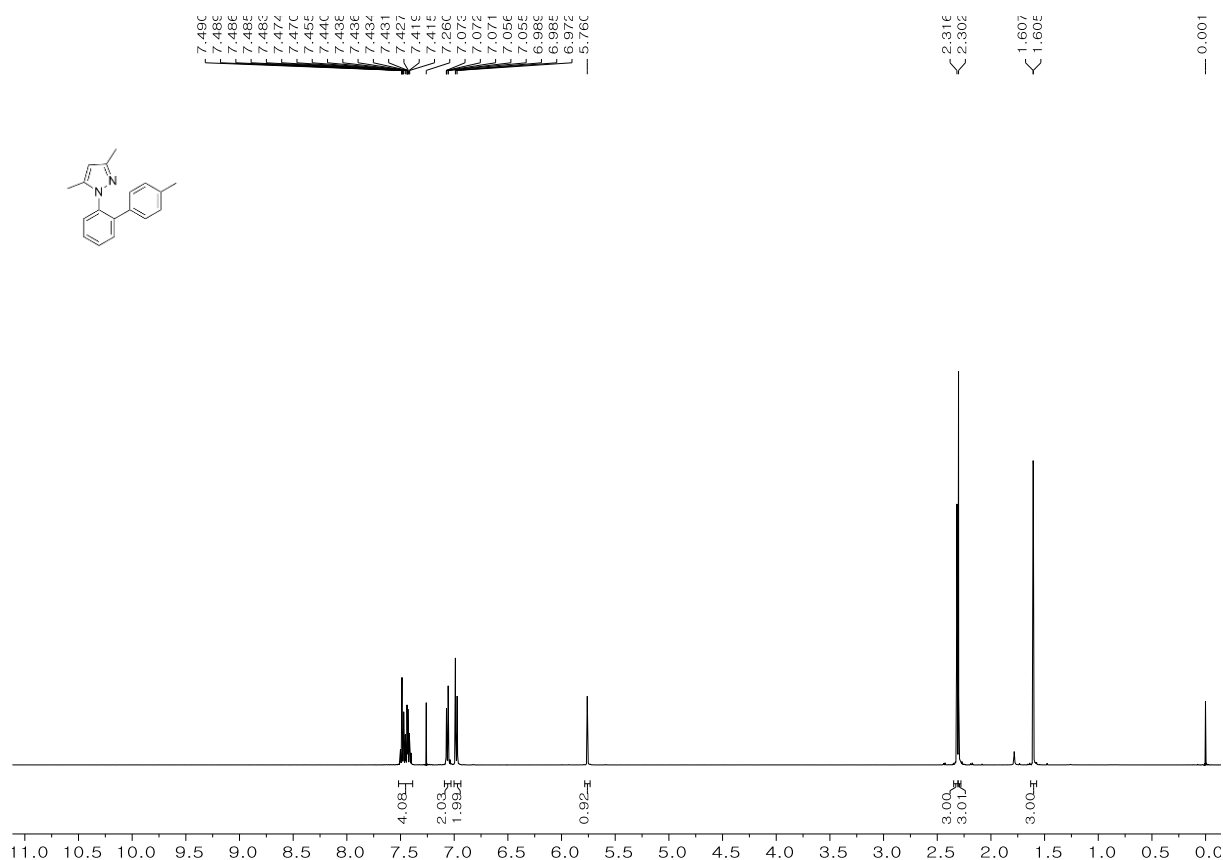
3,5-Dimethyl-1-(4-(trifluoromethyl)phenyl)-1H-pyrazole (1d).



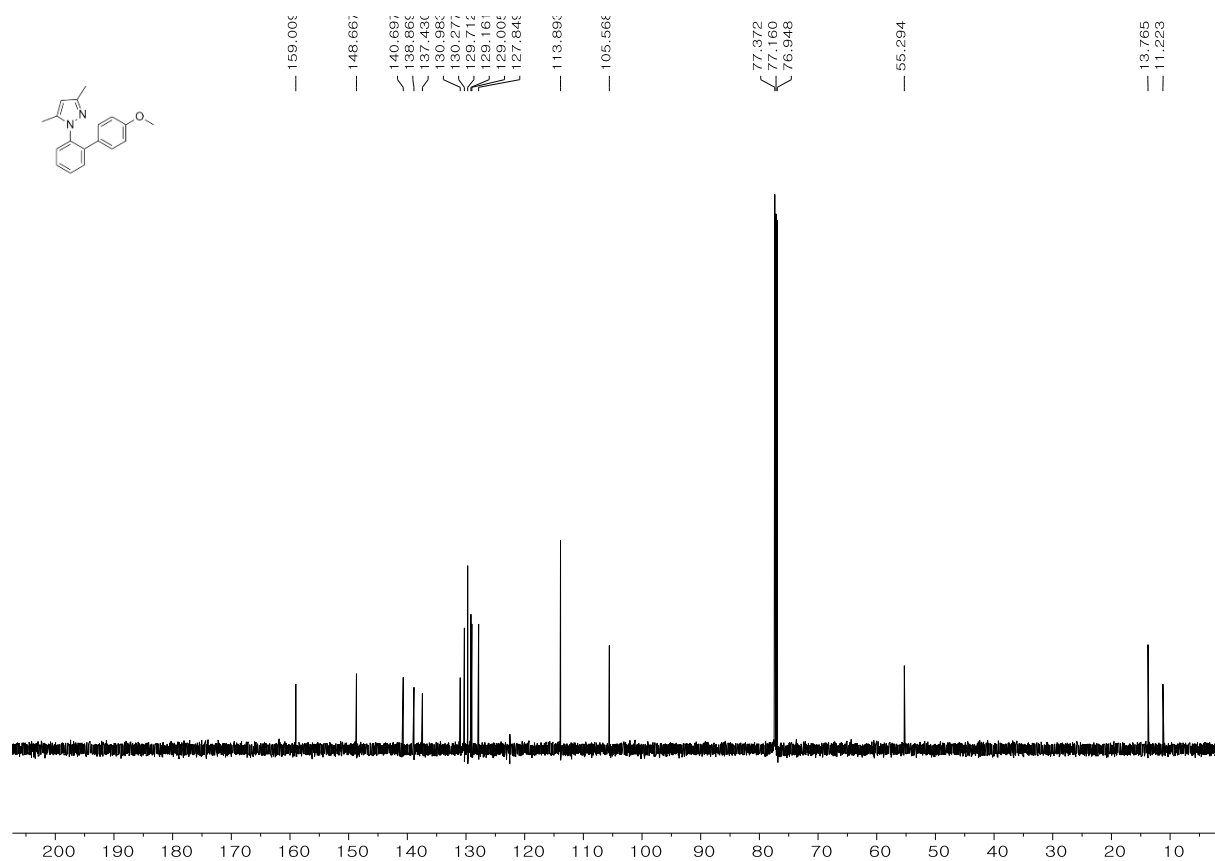
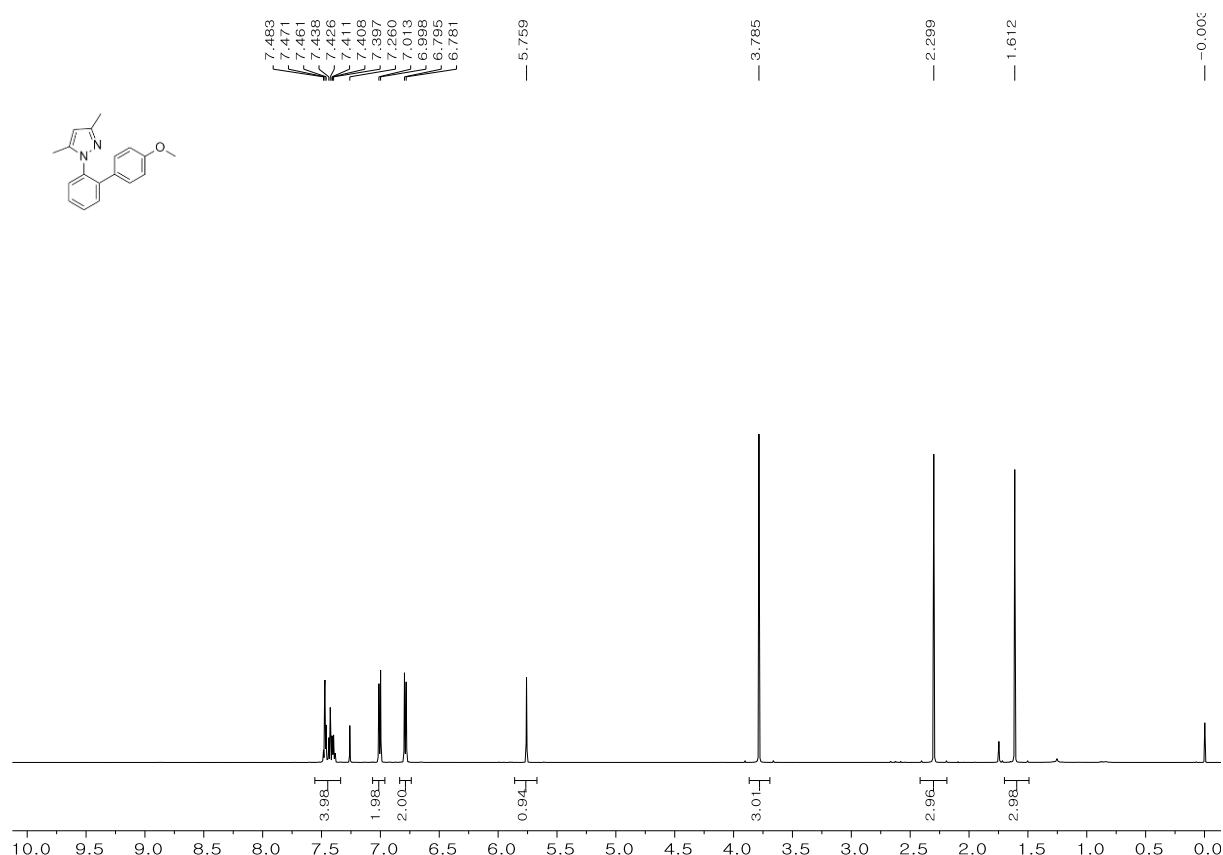
1-(3-Chloro-4-methylphenyl)-3,5-dimethyl-1H-pyrazole (1e).



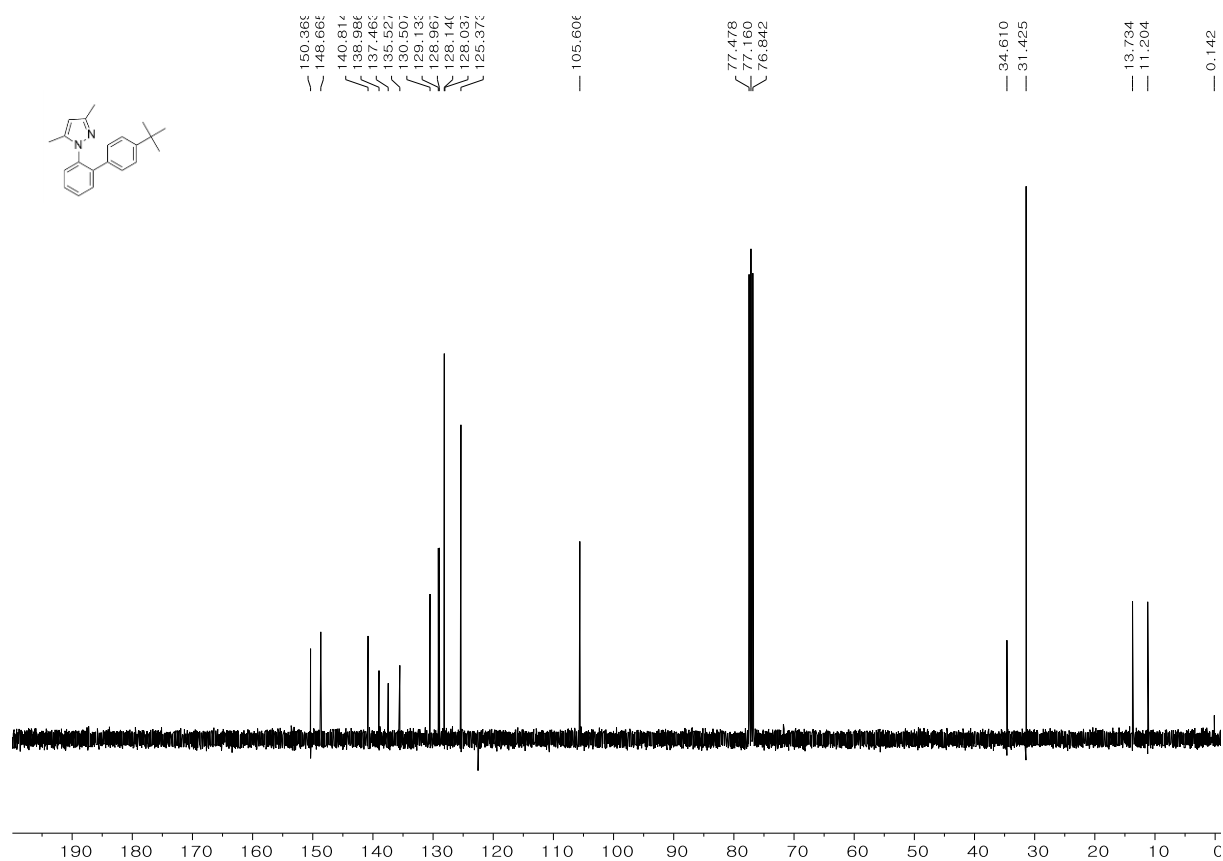
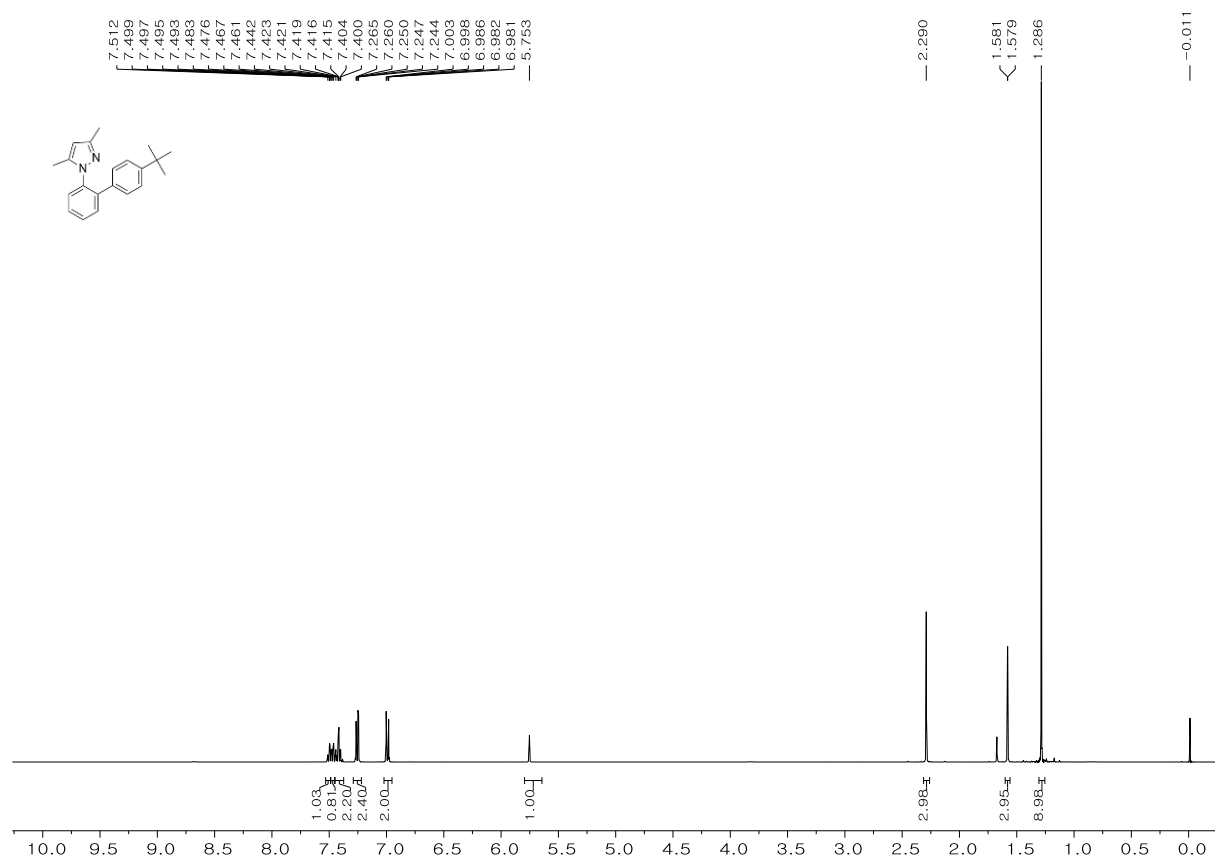
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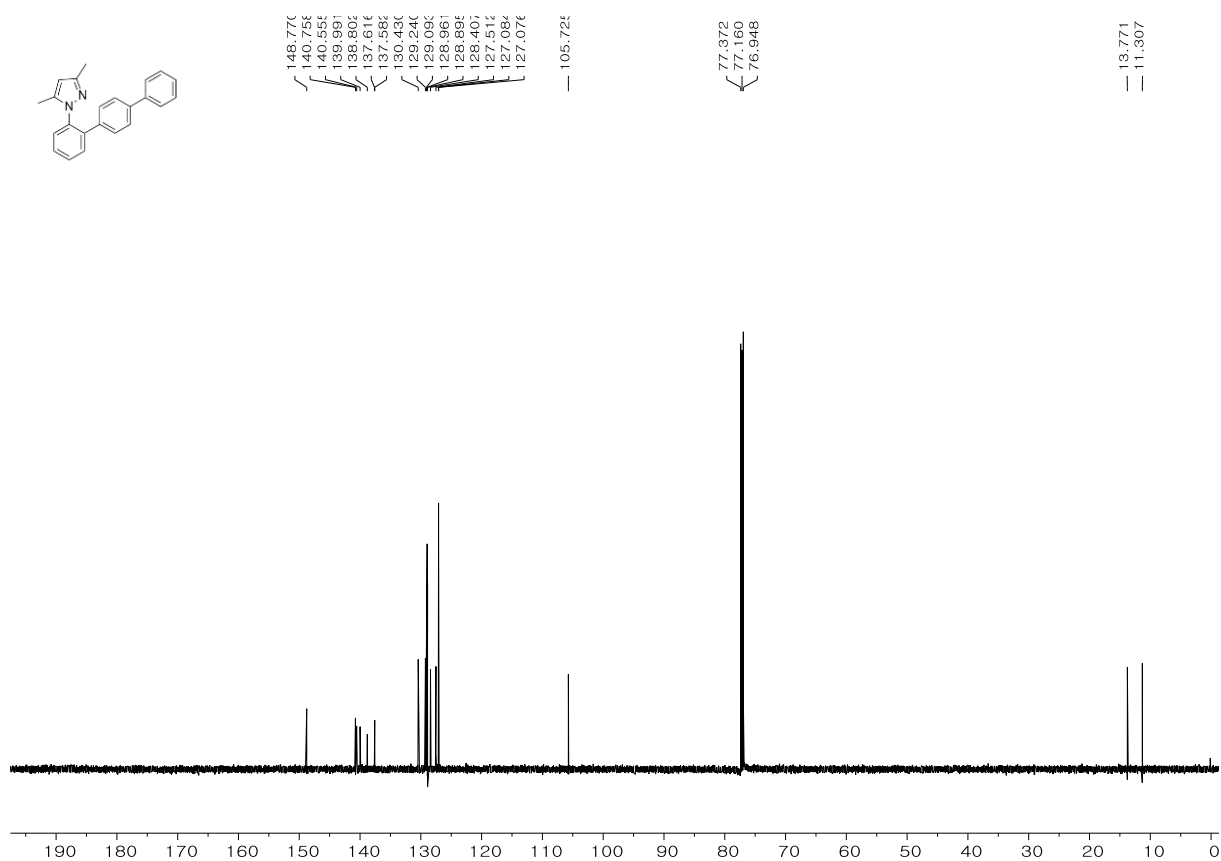
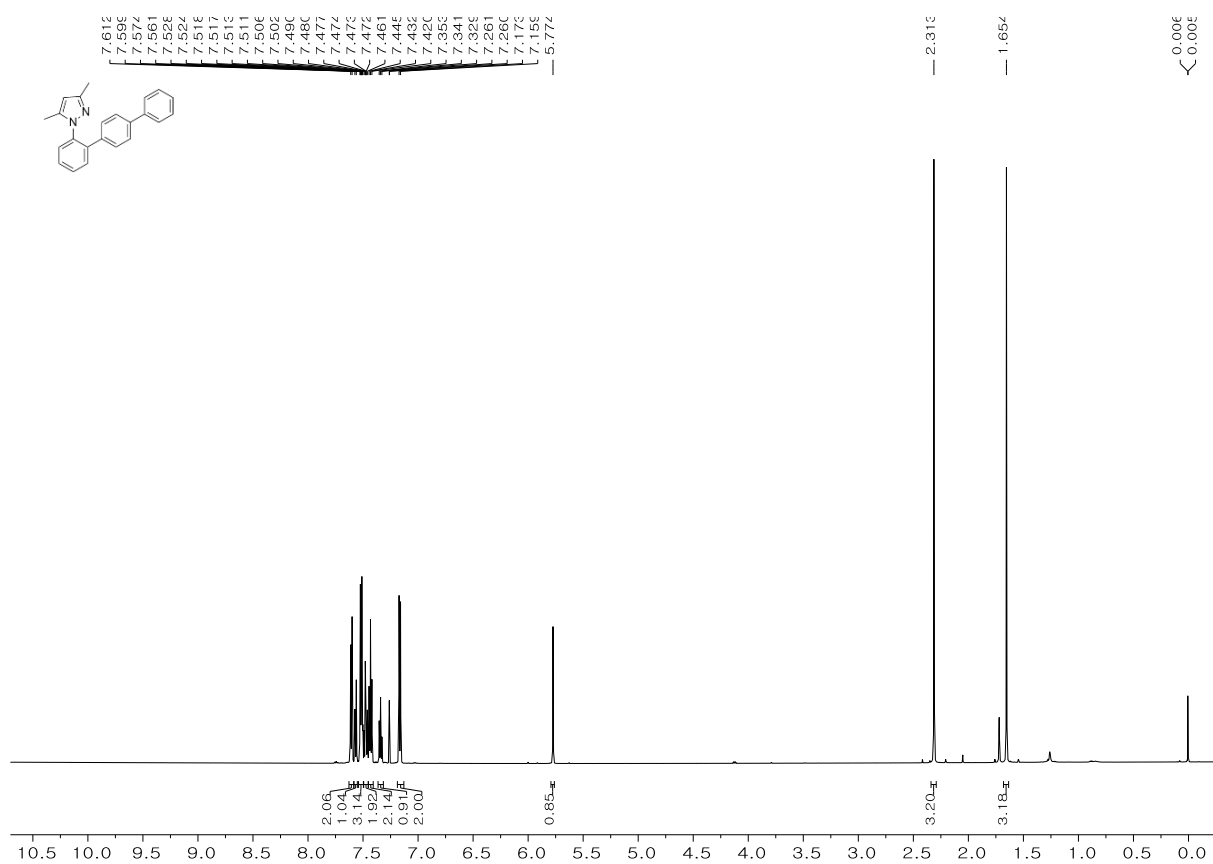
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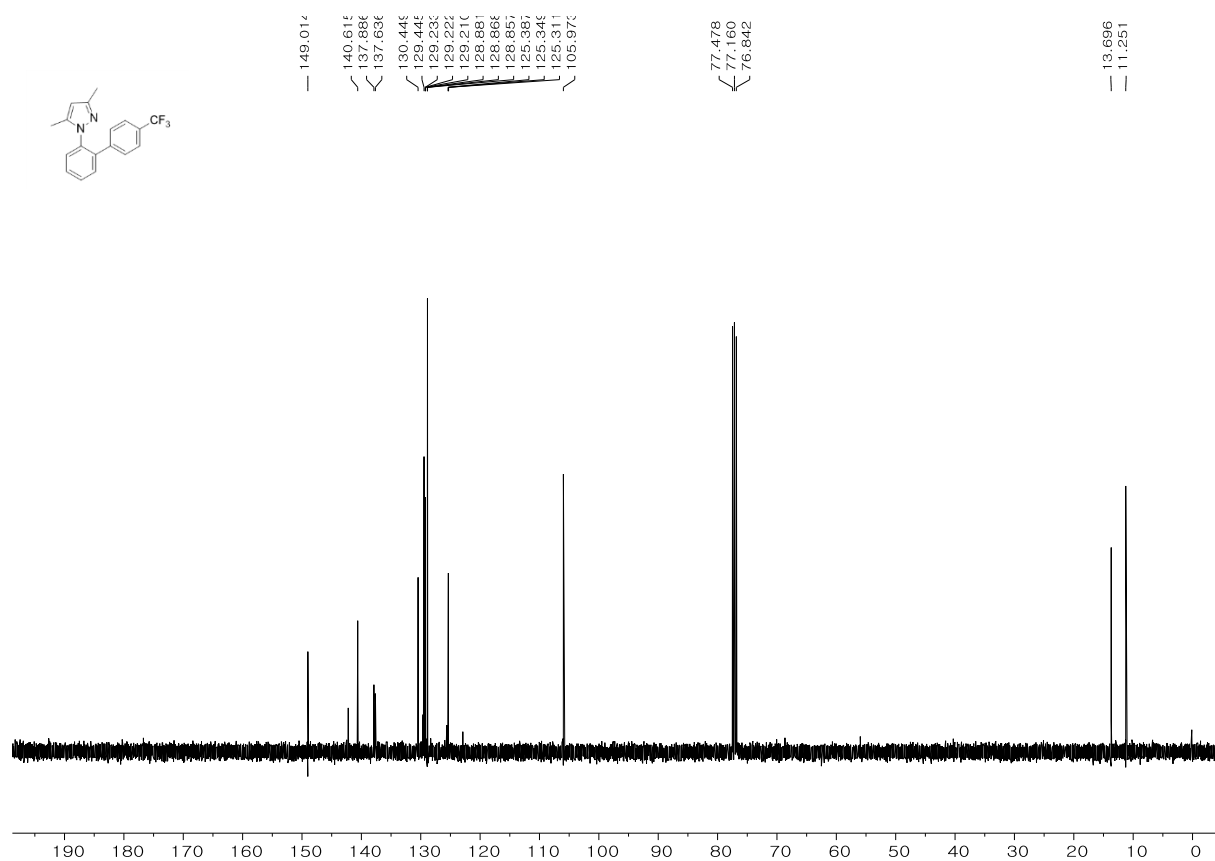
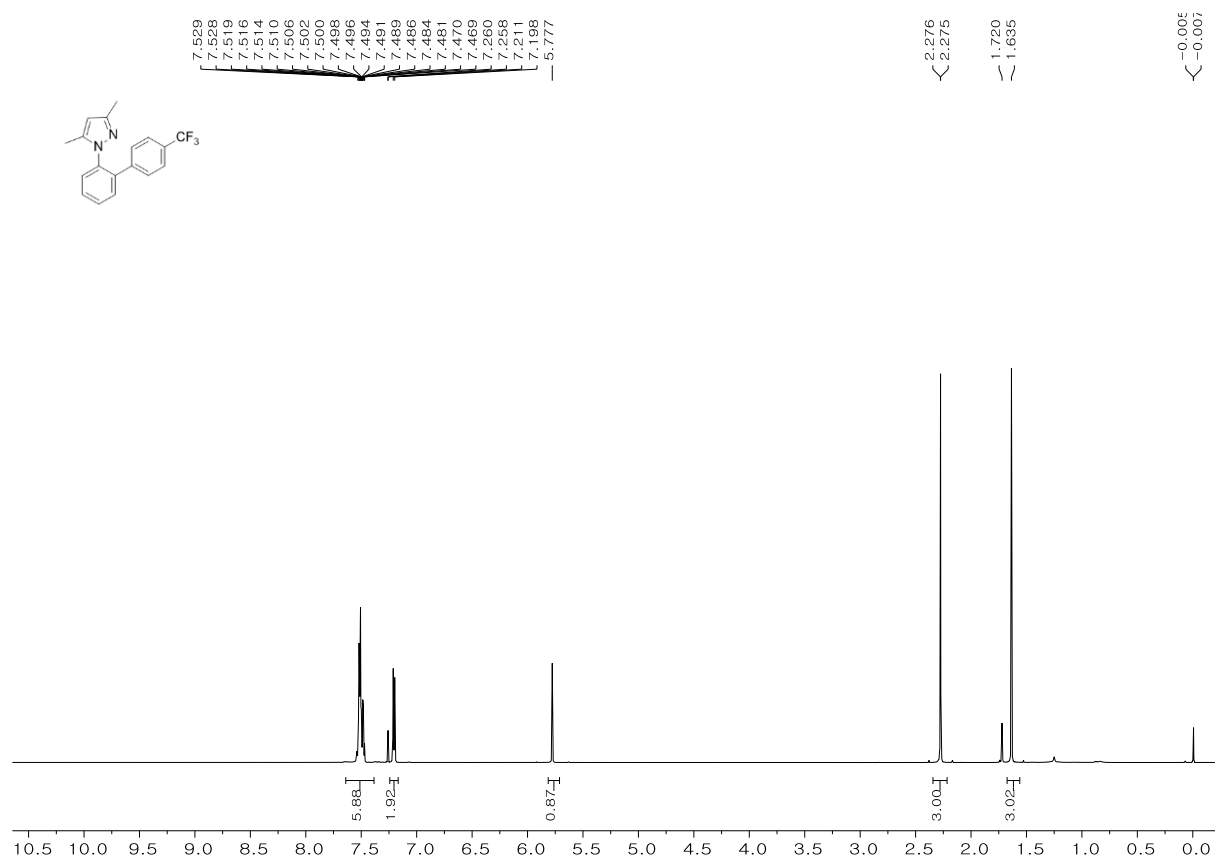
1-(4'-(tert-Butyl)-[1,1'-biphenyl]-2-yl)-3,5-dimethyl-1H-pyrazole (2c).



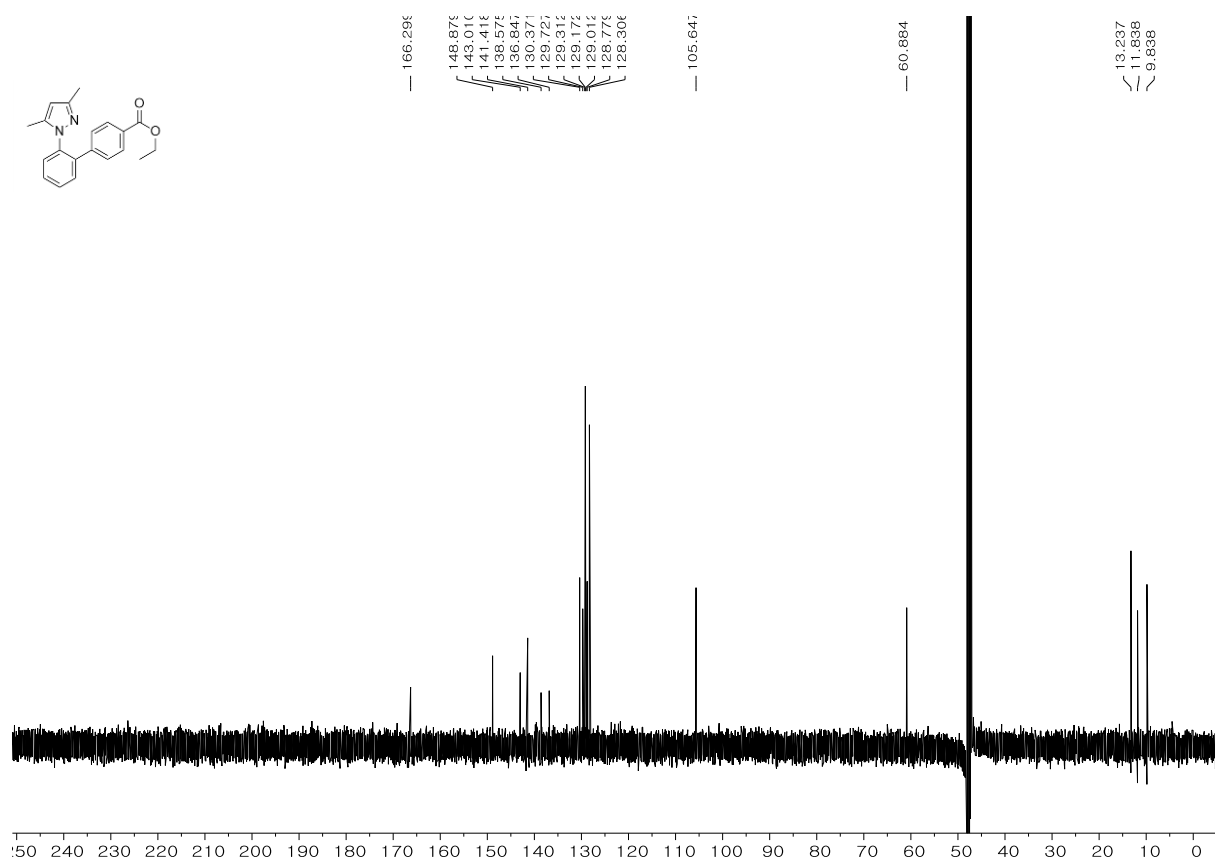
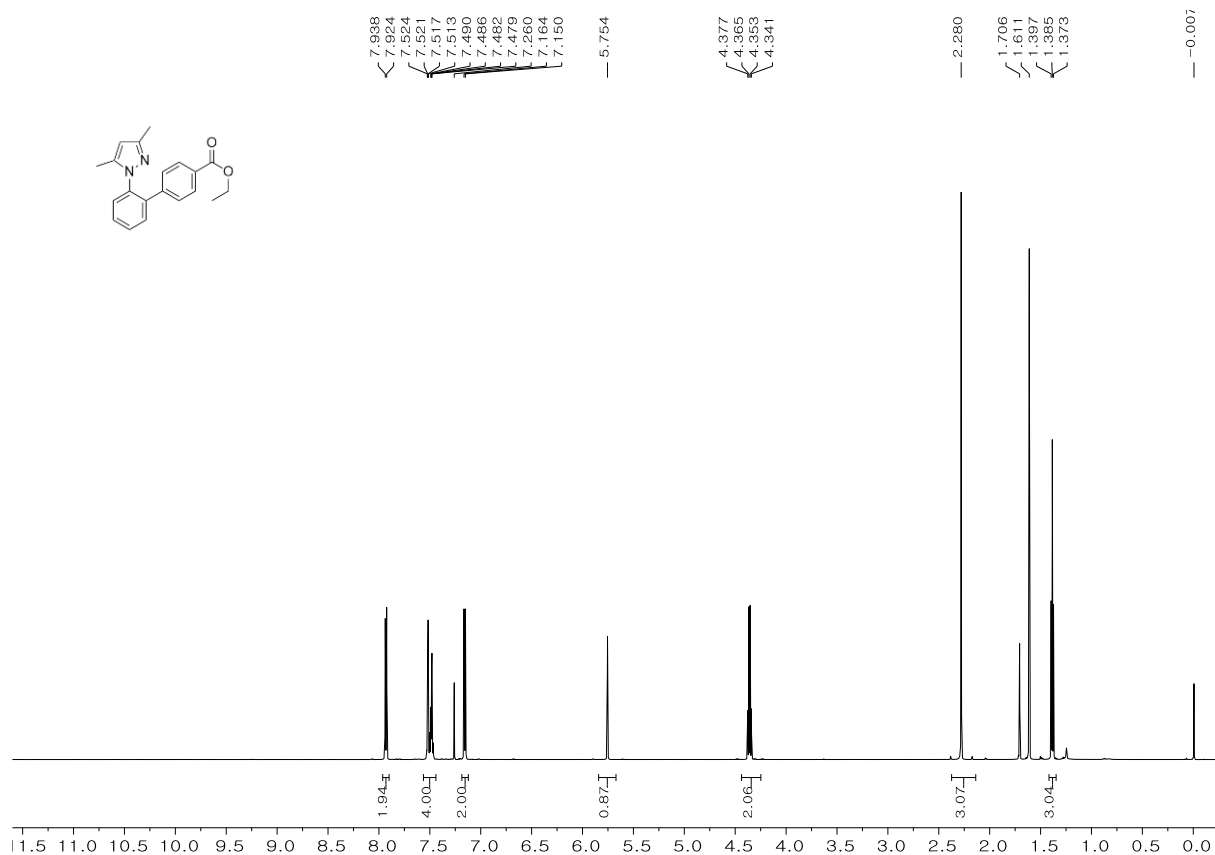
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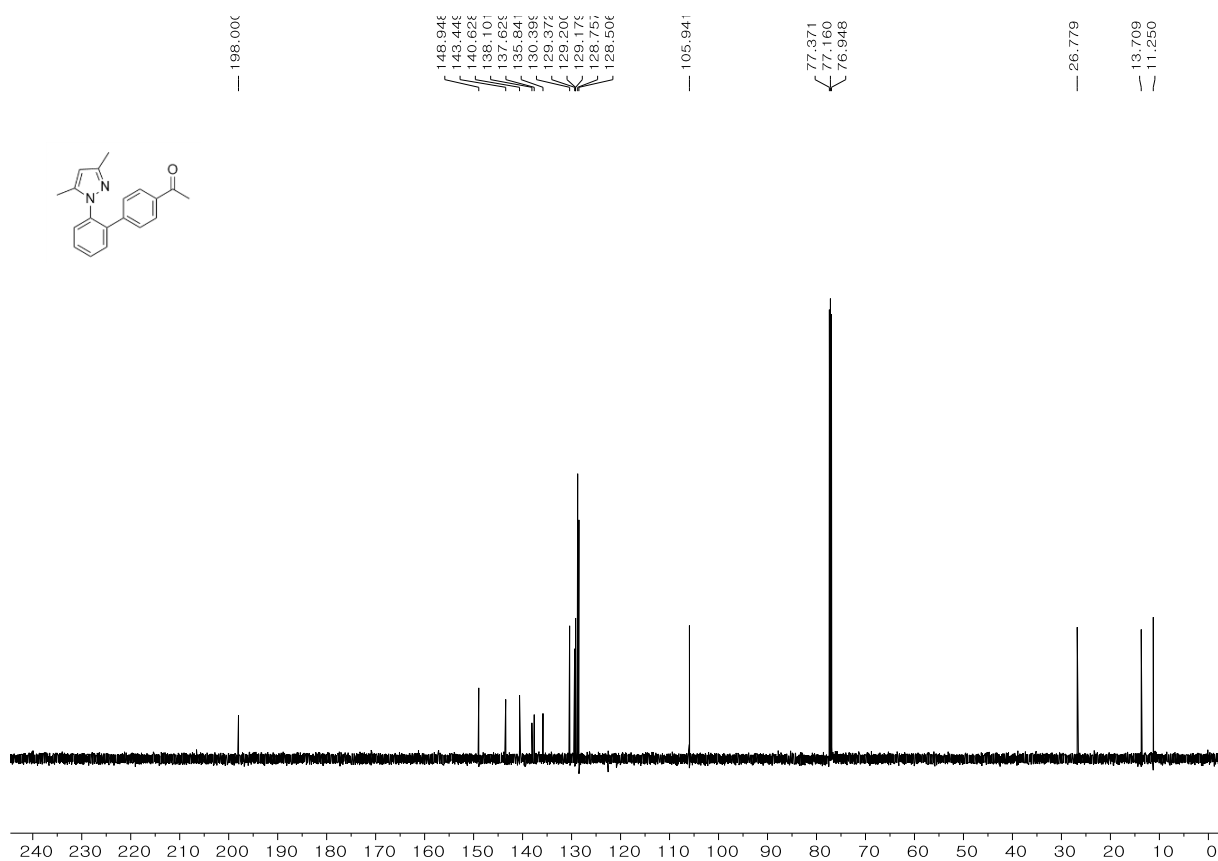
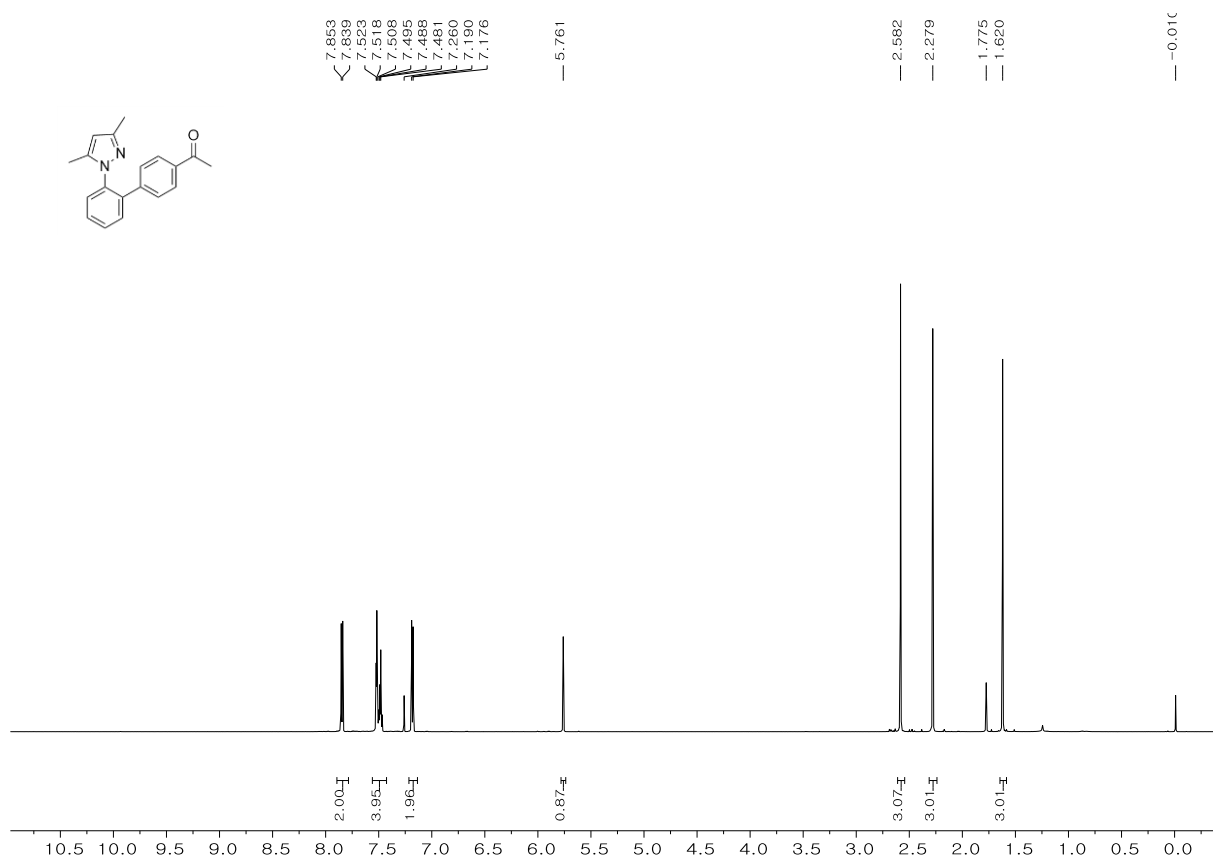
3,5-Dimethyl-1-(4'-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)-1H-pyrazole (2e).



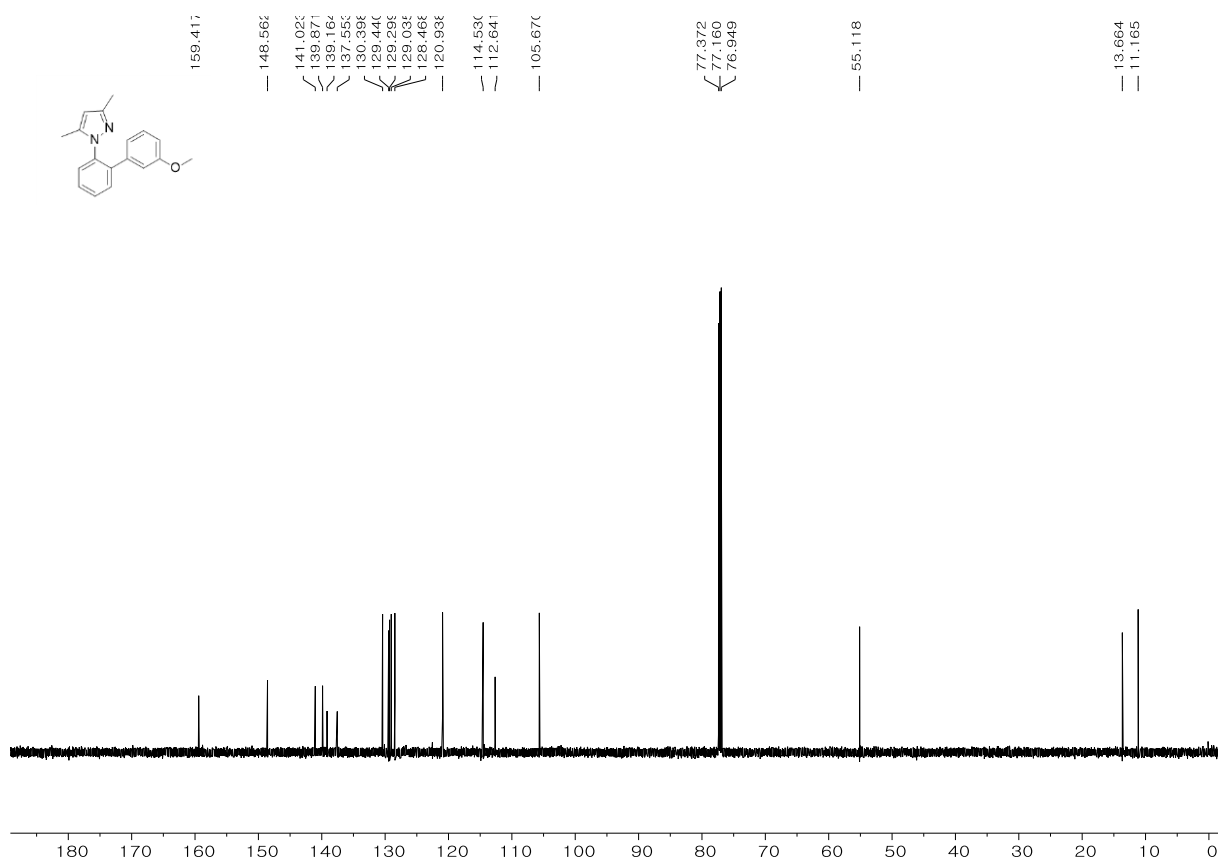
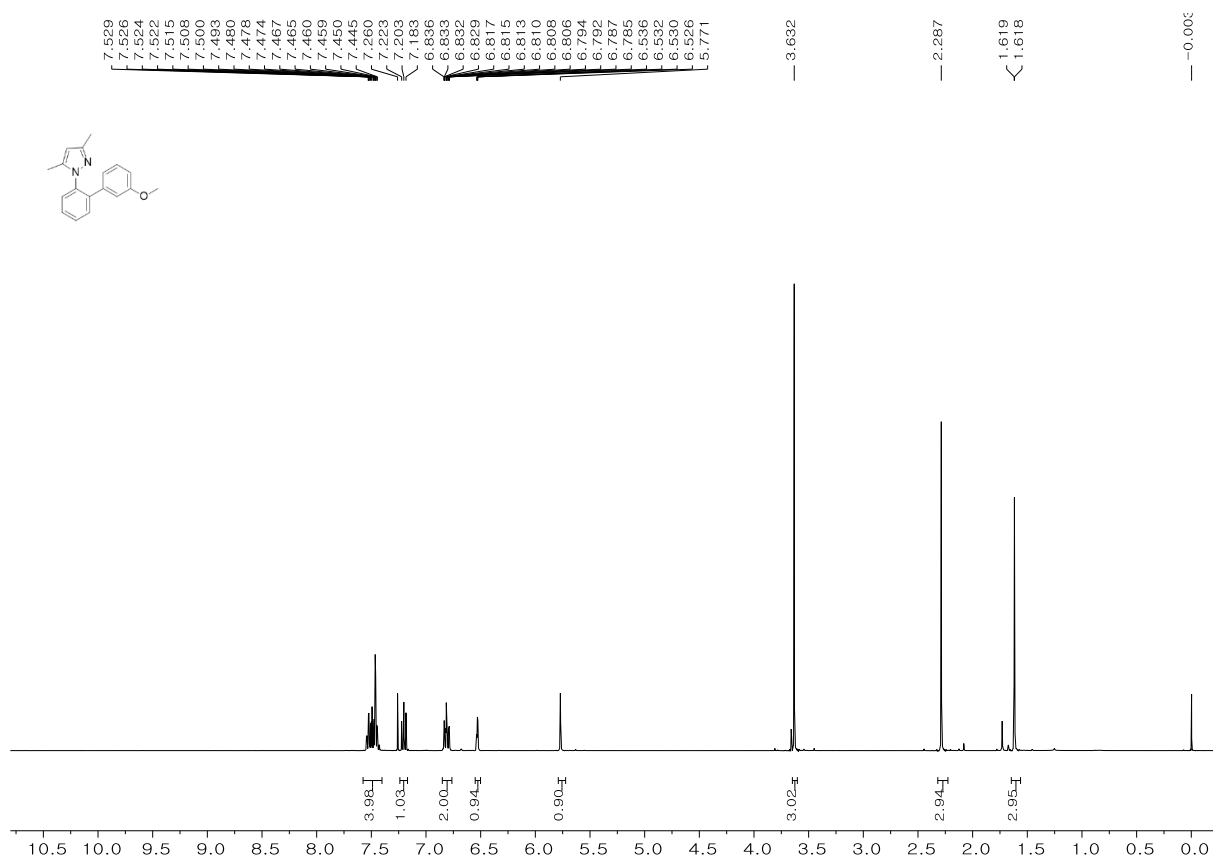
Ethyl 2'-(3,5-dimethyl-1H-pyrazol-1-yl)-[1,1'-biphenyl]-4-carboxylate (2f).



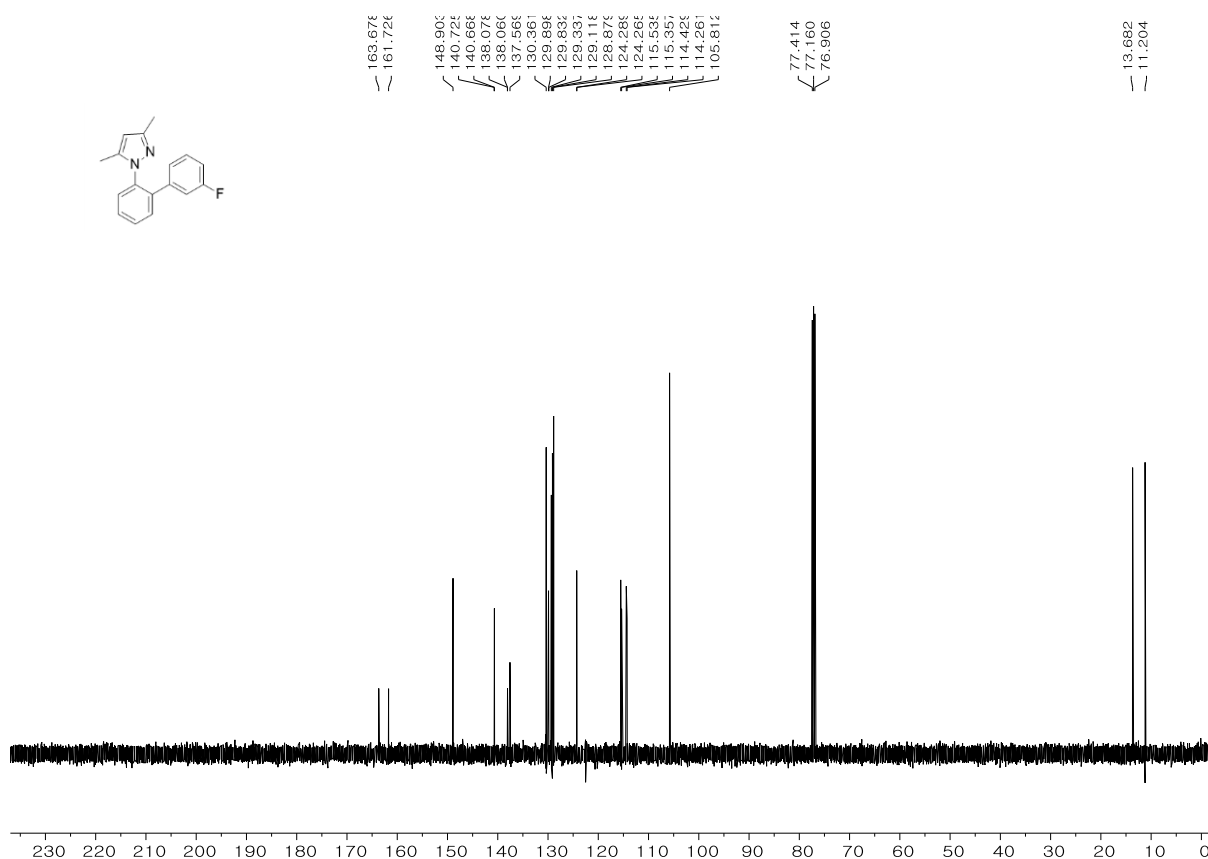
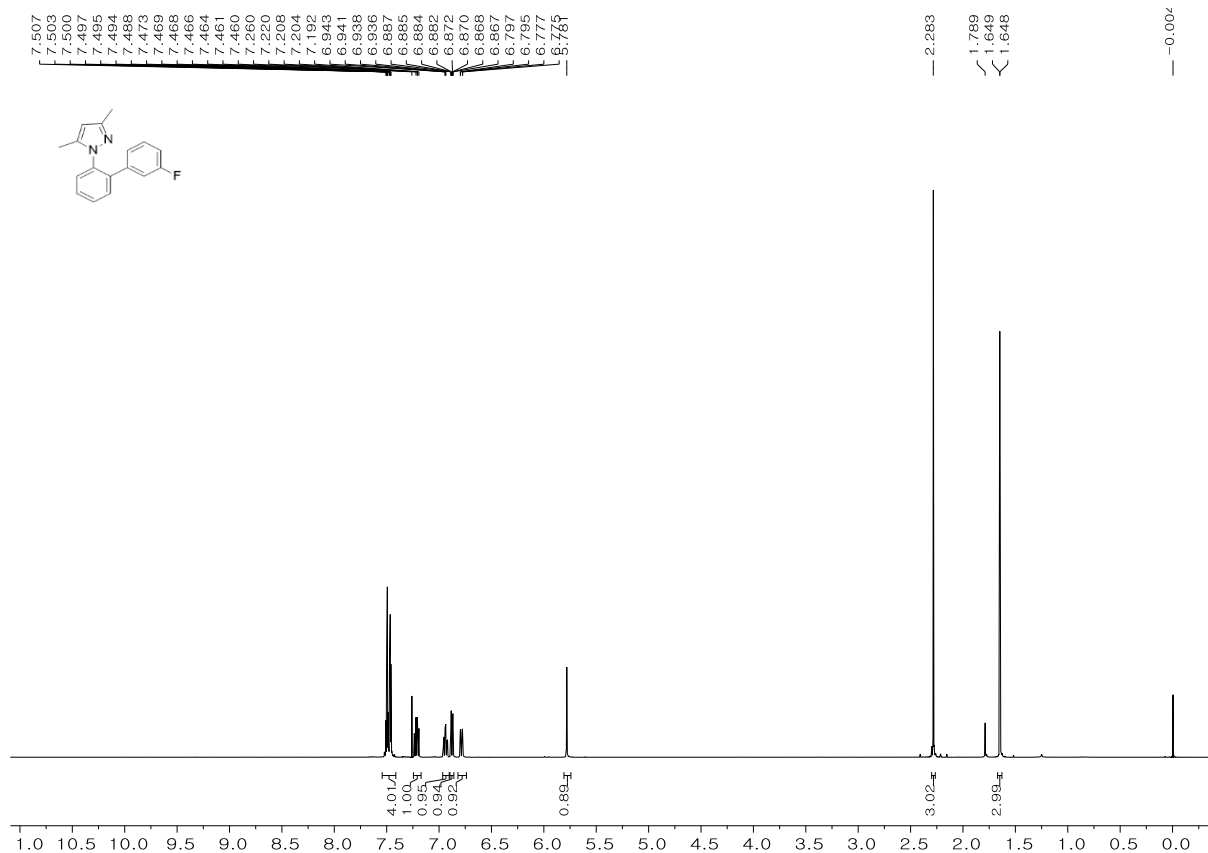
1-(2'-(3,5-Dimethyl-1H-pyrazol-1-yl)-[1,1'-biphenyl]-4-yl)ethan-1-one (2g).



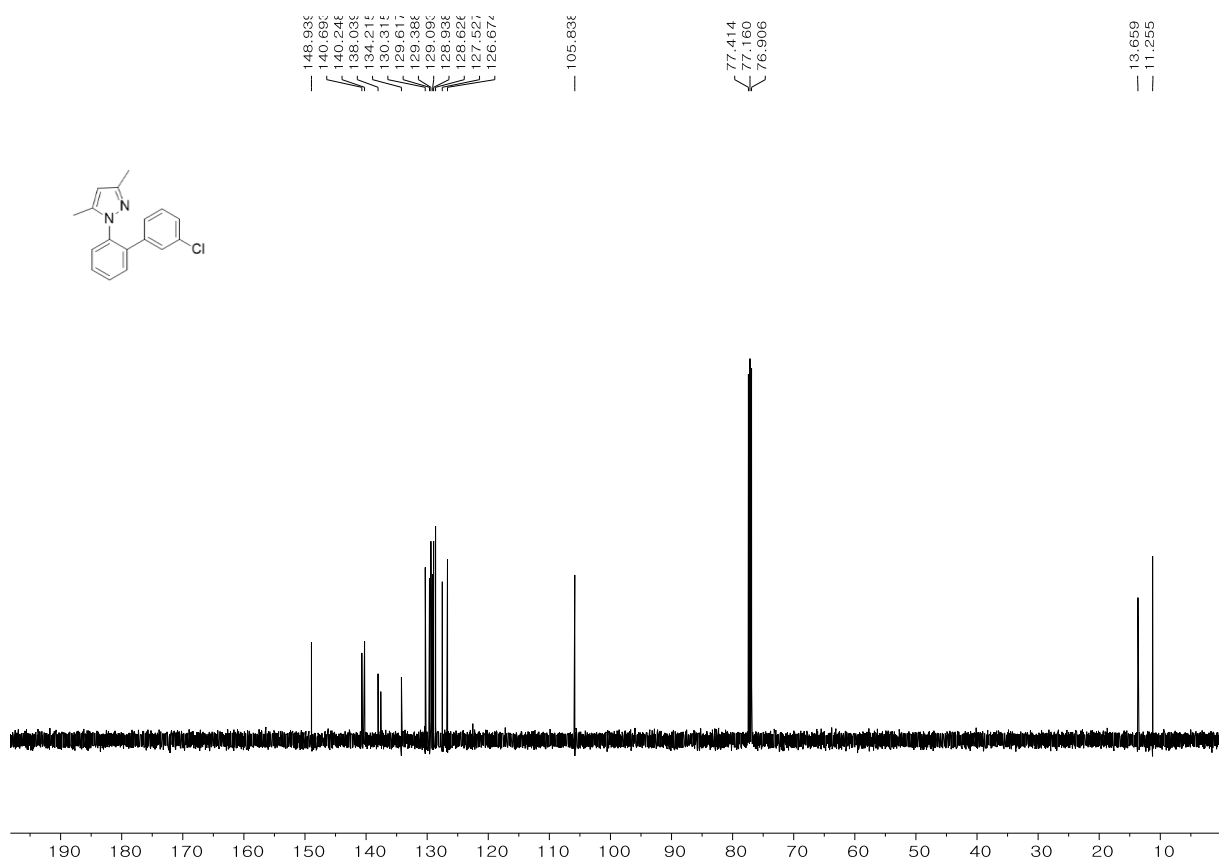
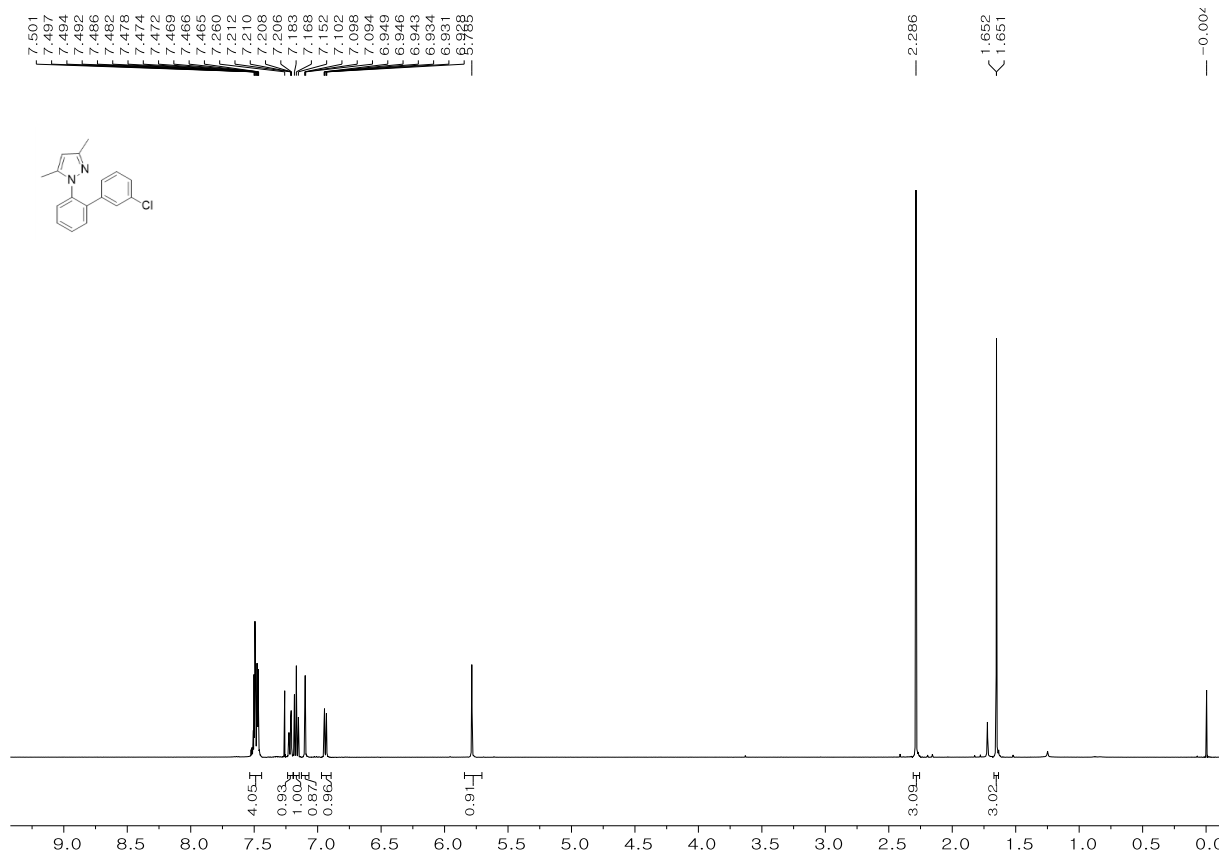
1-(3'-Methoxy-[1,1'-biphenyl]-2-yl)-3,5-dimethyl-1H-pyrazole (2h).



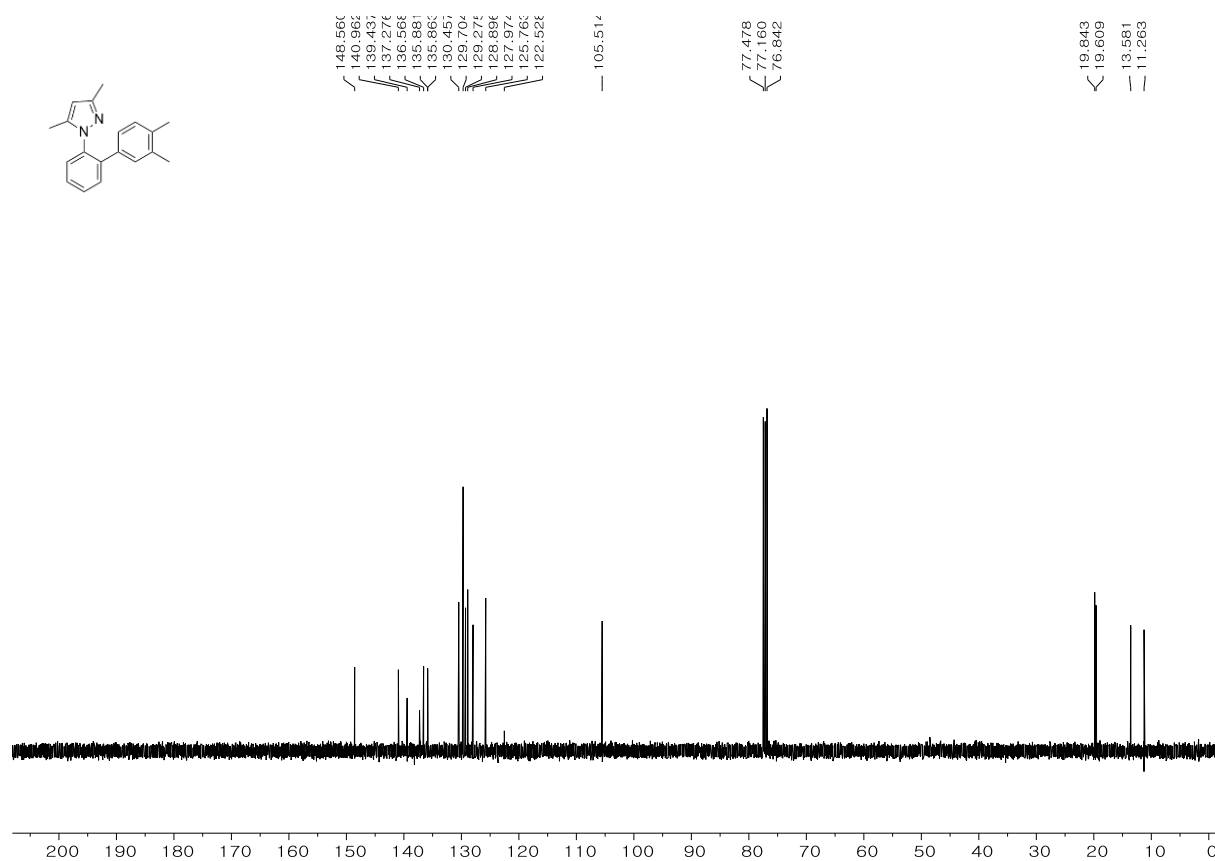
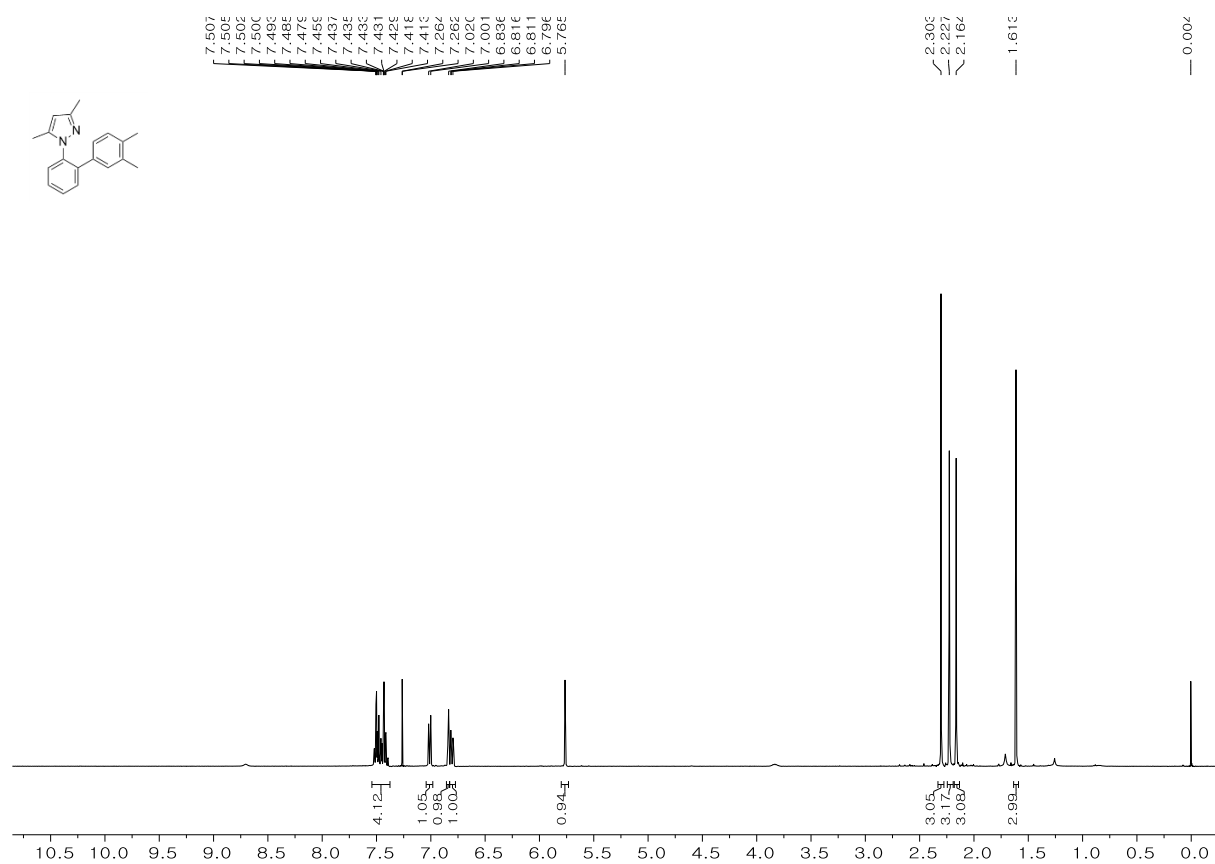
1-(3'-Fluoro-[1,1'-biphenyl]-2-yl)-3,5-dimethyl-1H-pyrazole (2i).



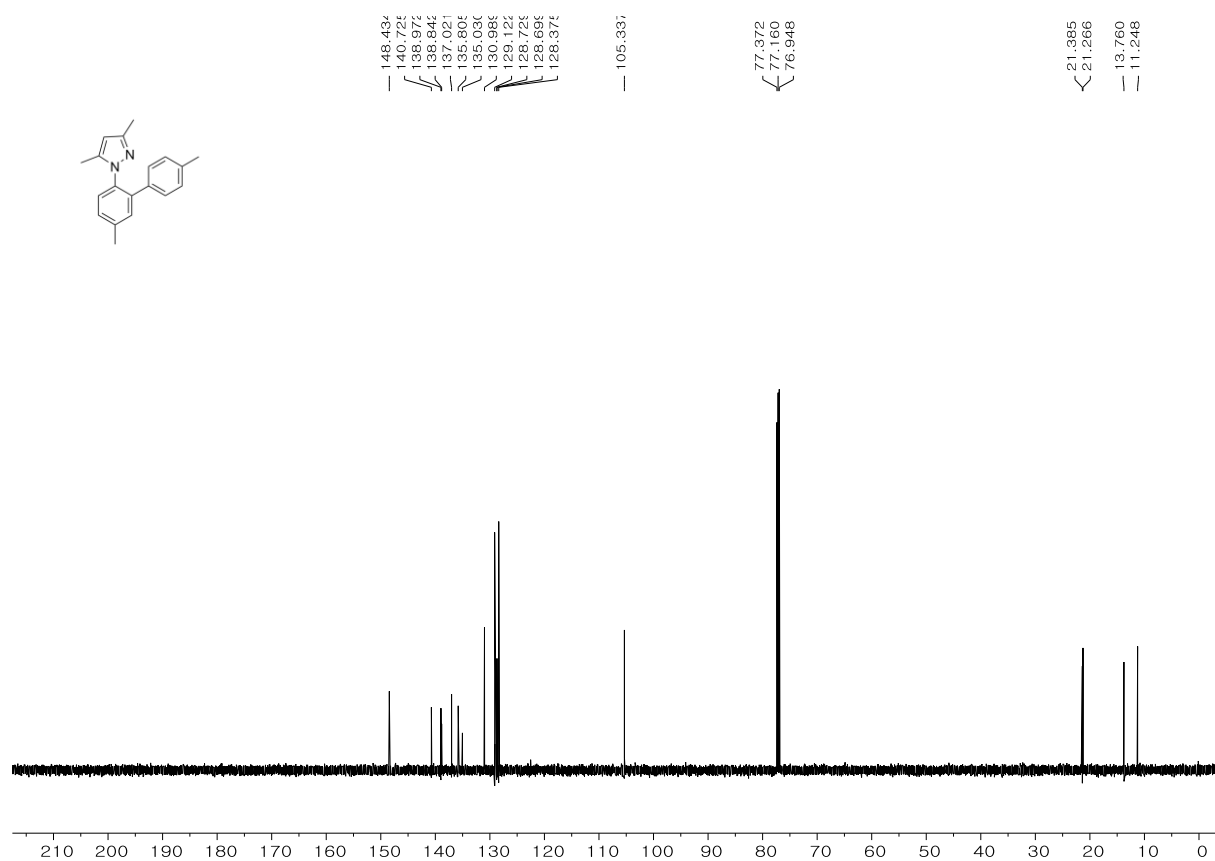
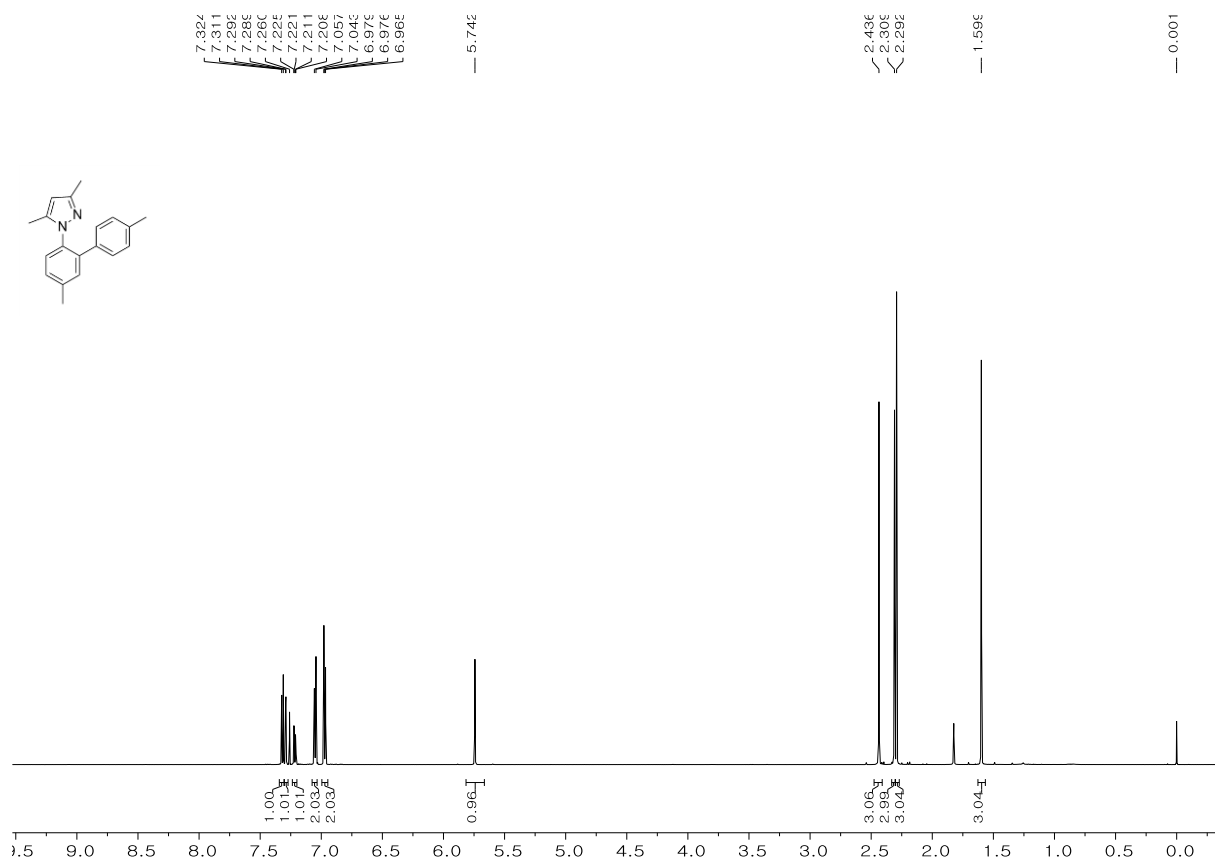
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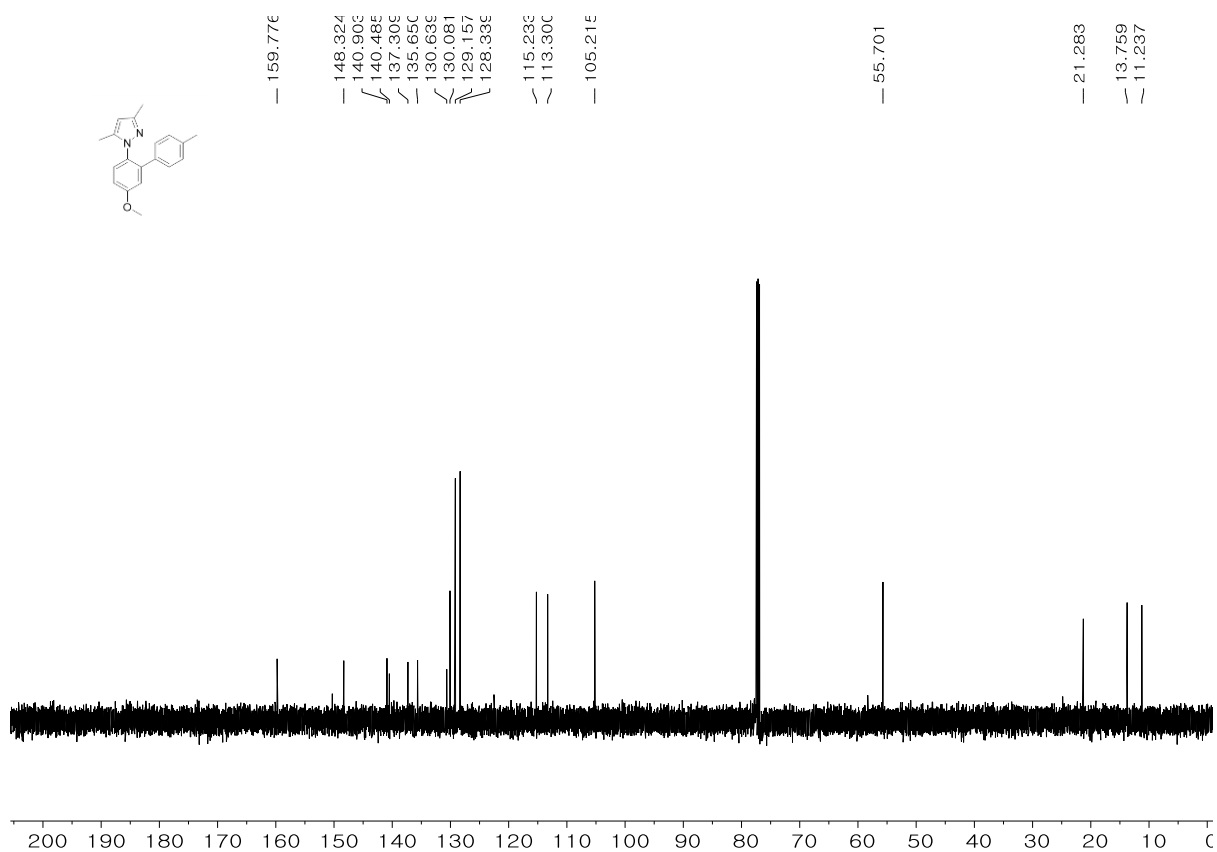
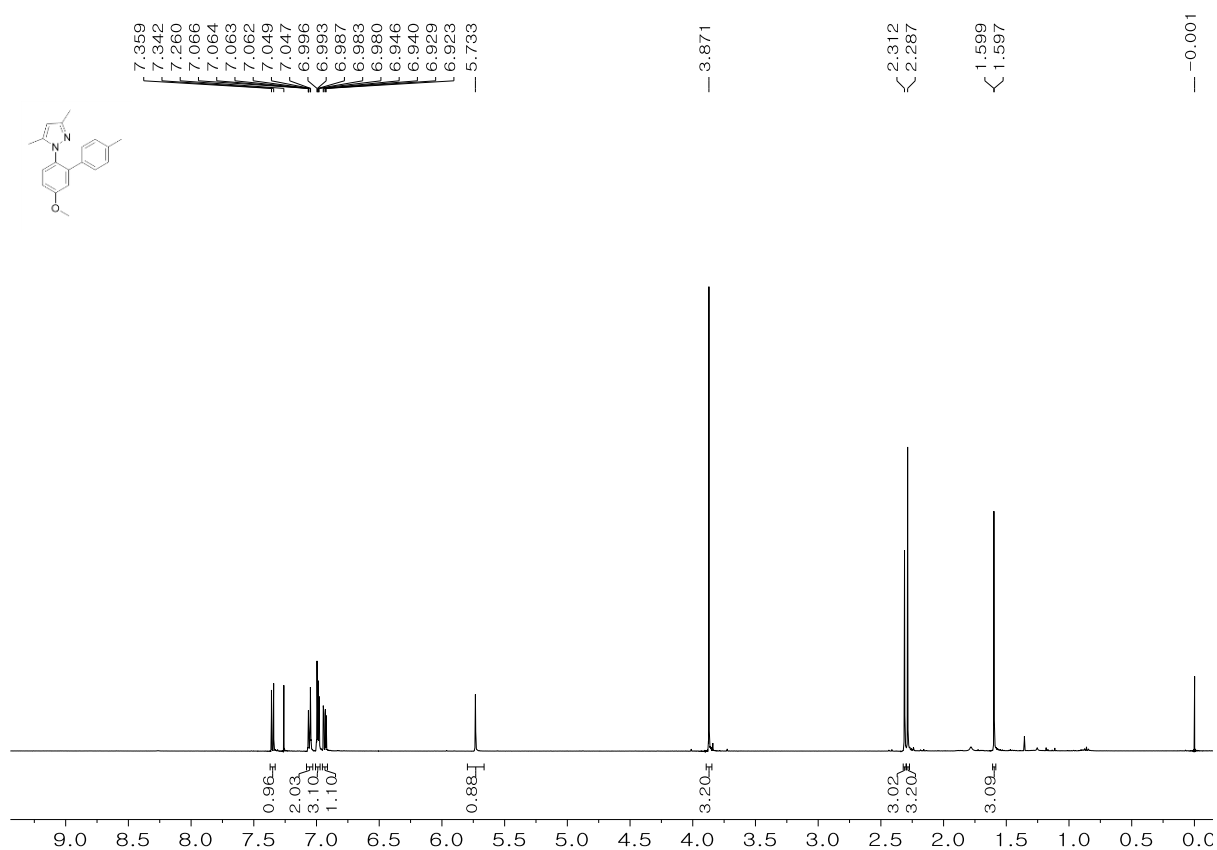
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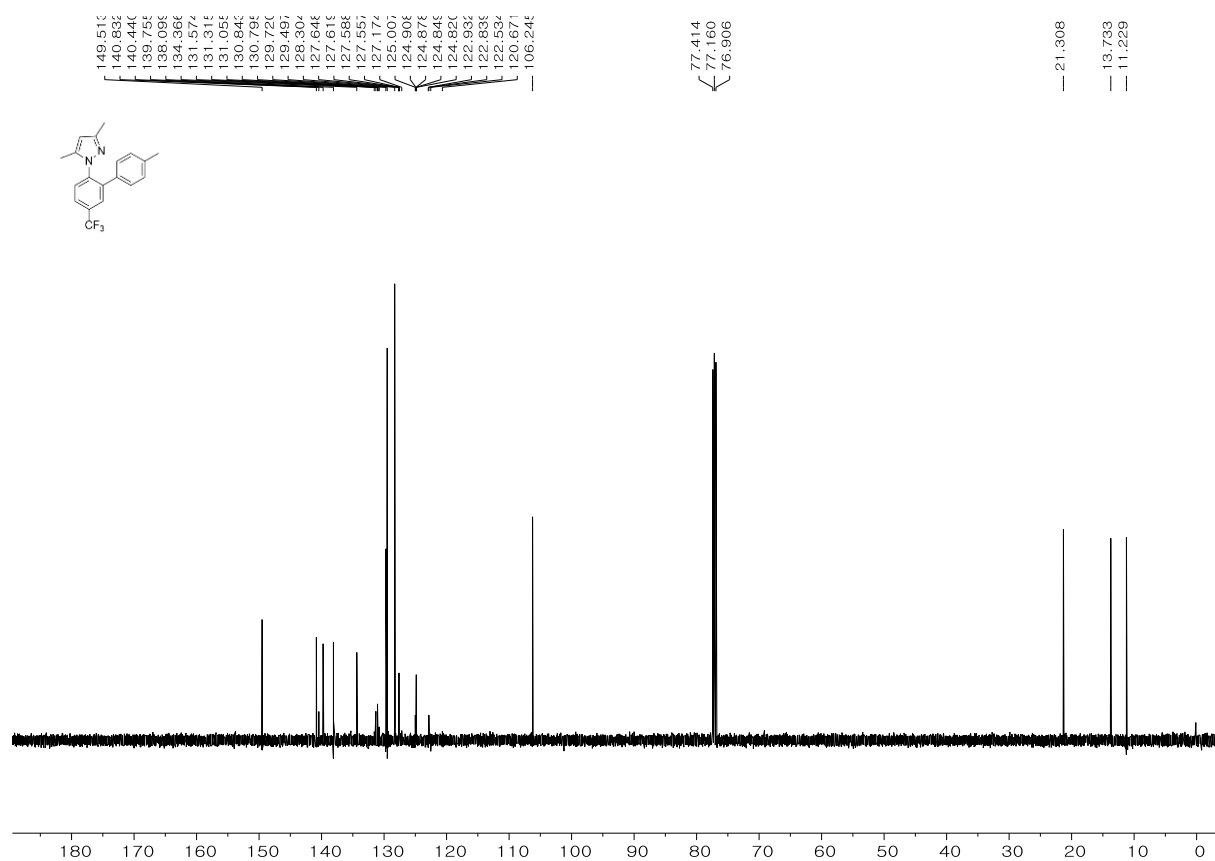
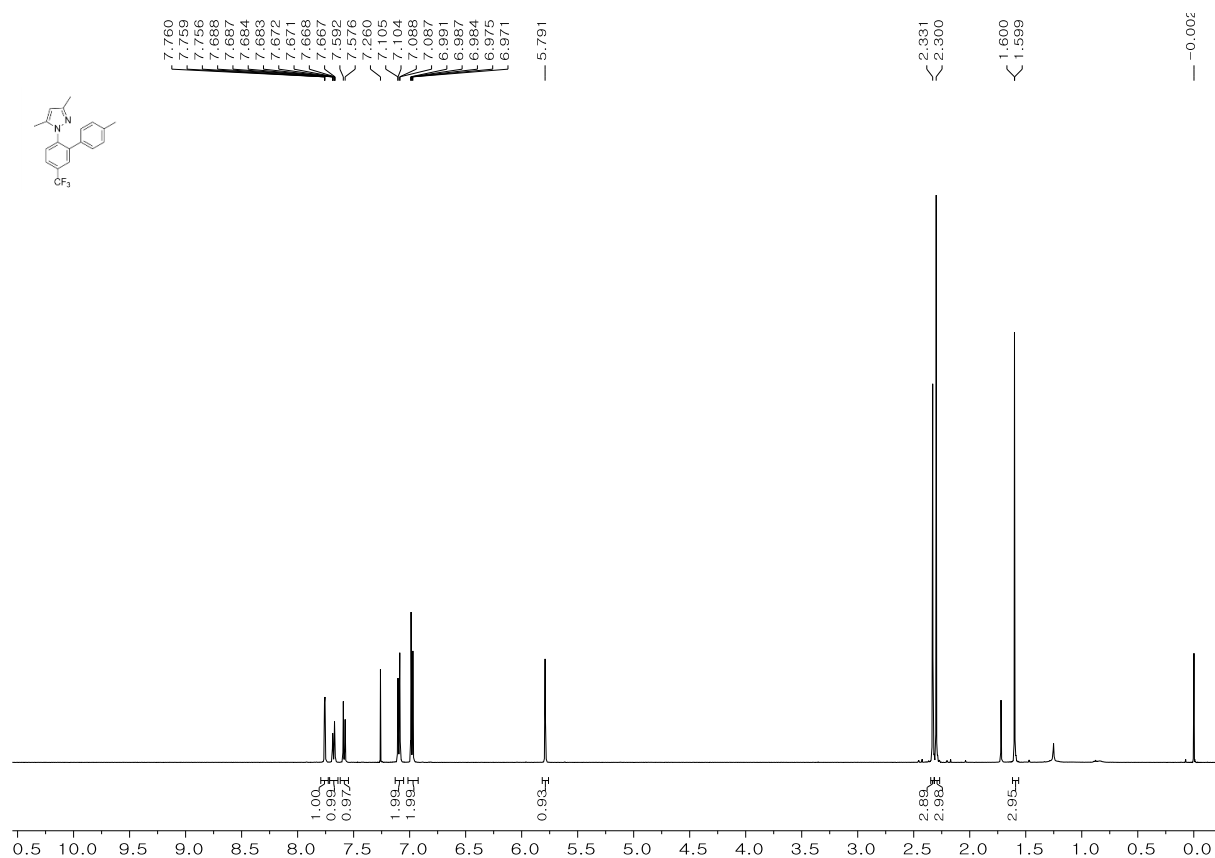
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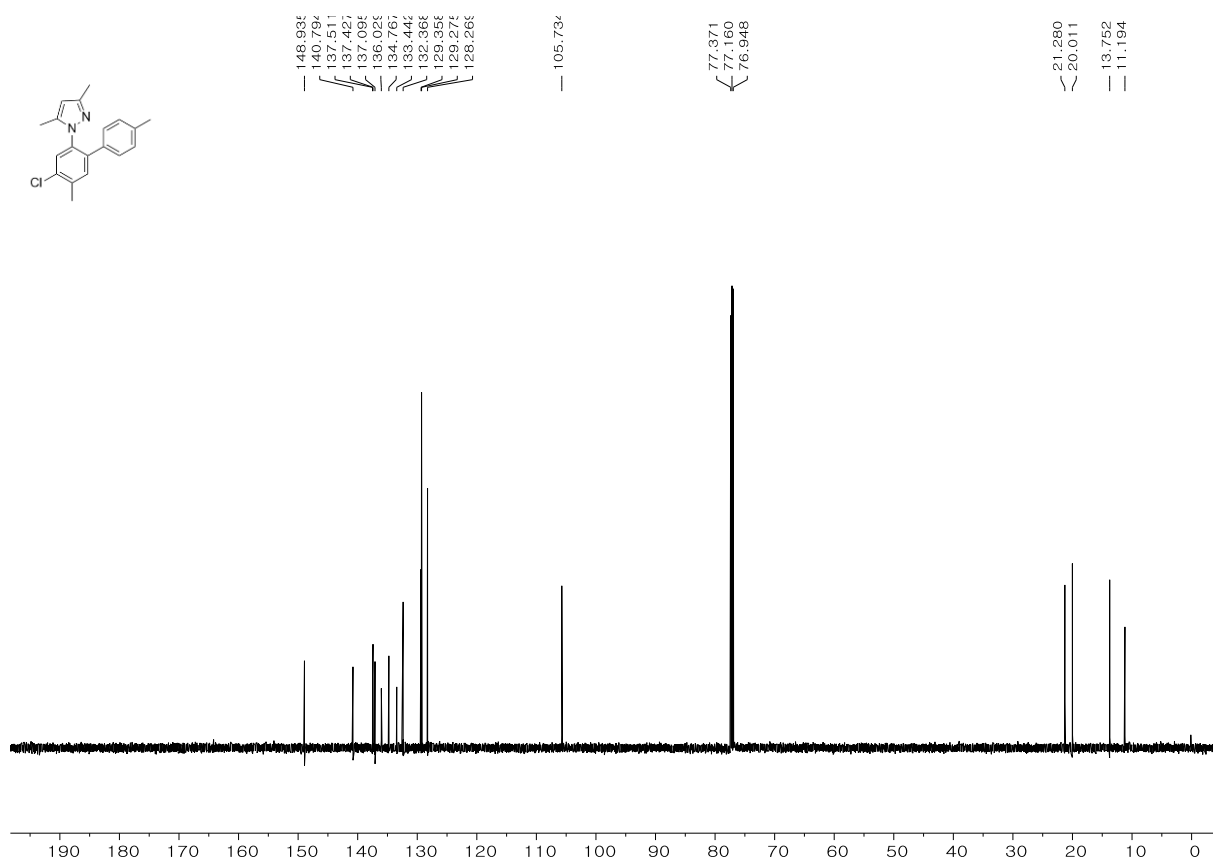
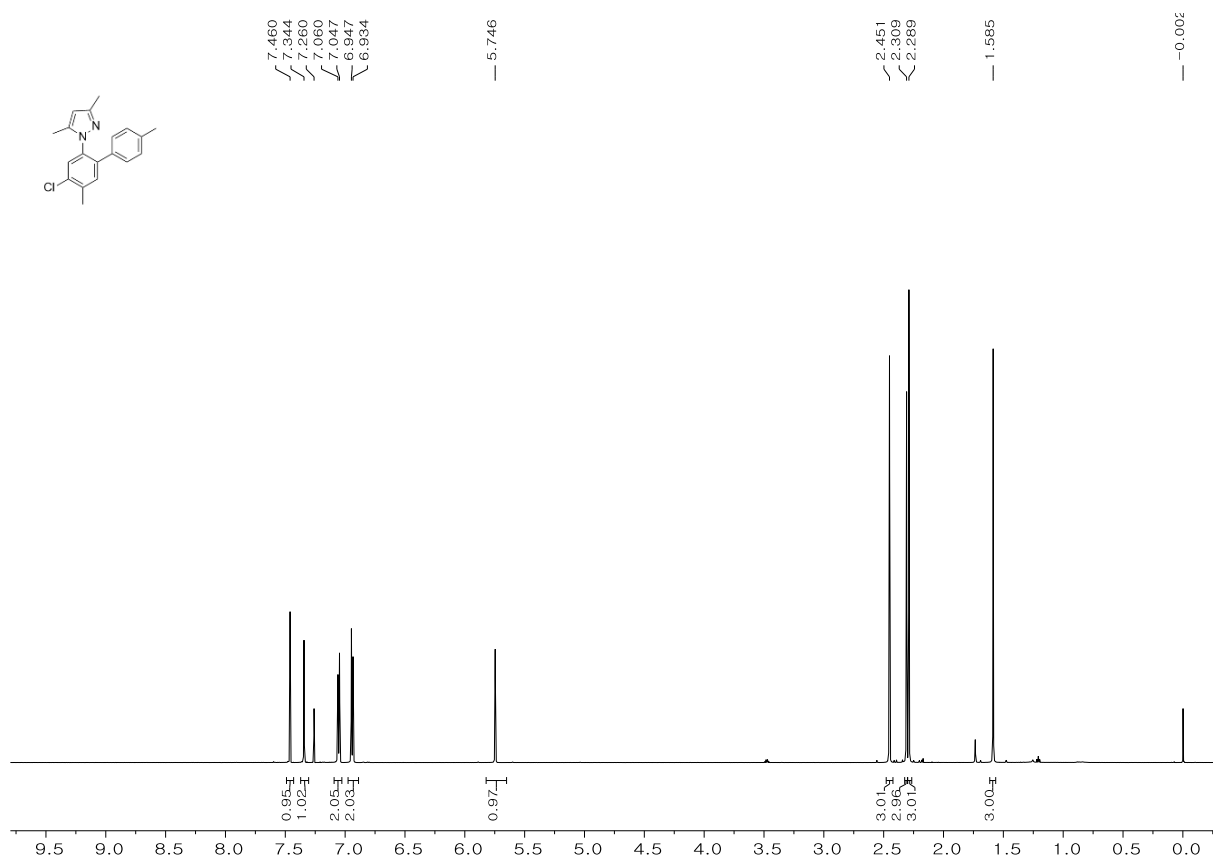
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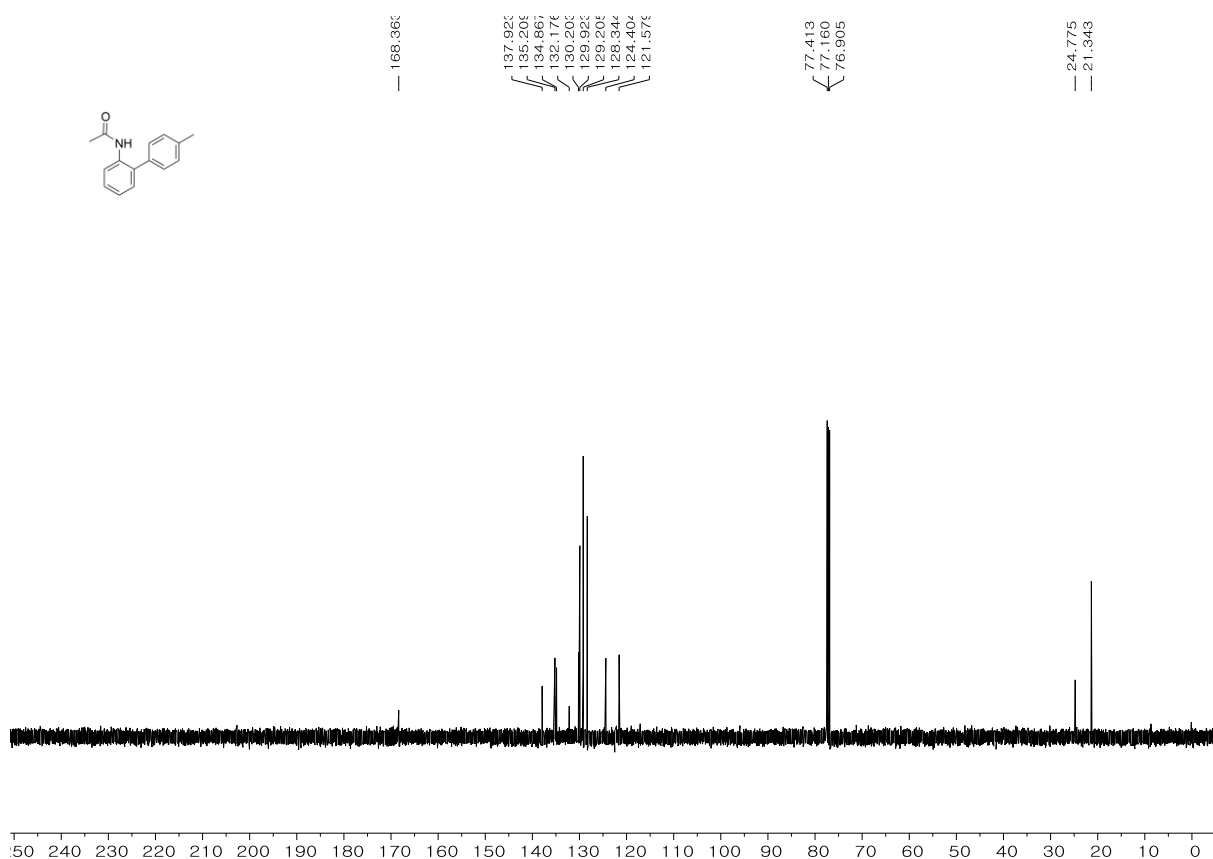
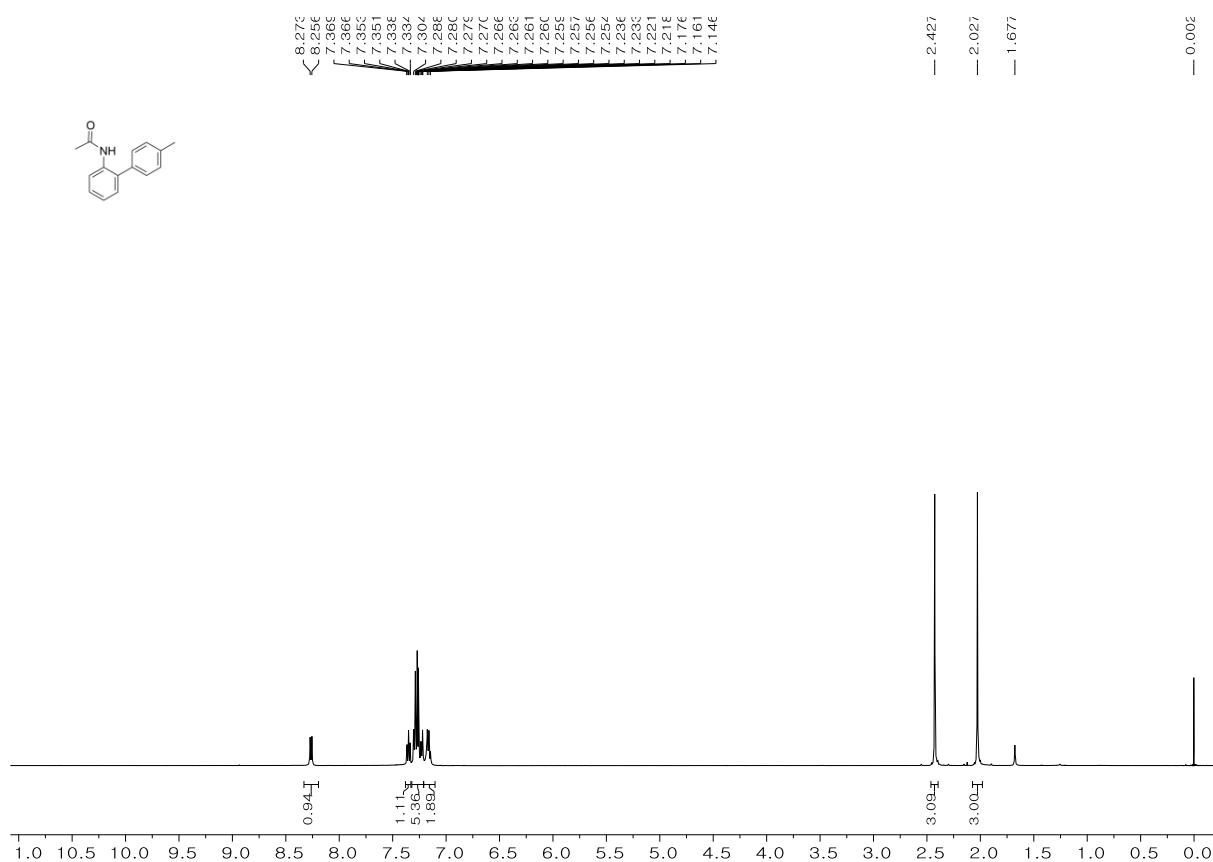
3,5-Dimethyl-1-(4'-methyl-5-(trifluoromethyl)-[1,1'-biphenyl]-2-yl)-1H-pyrazole (2n).



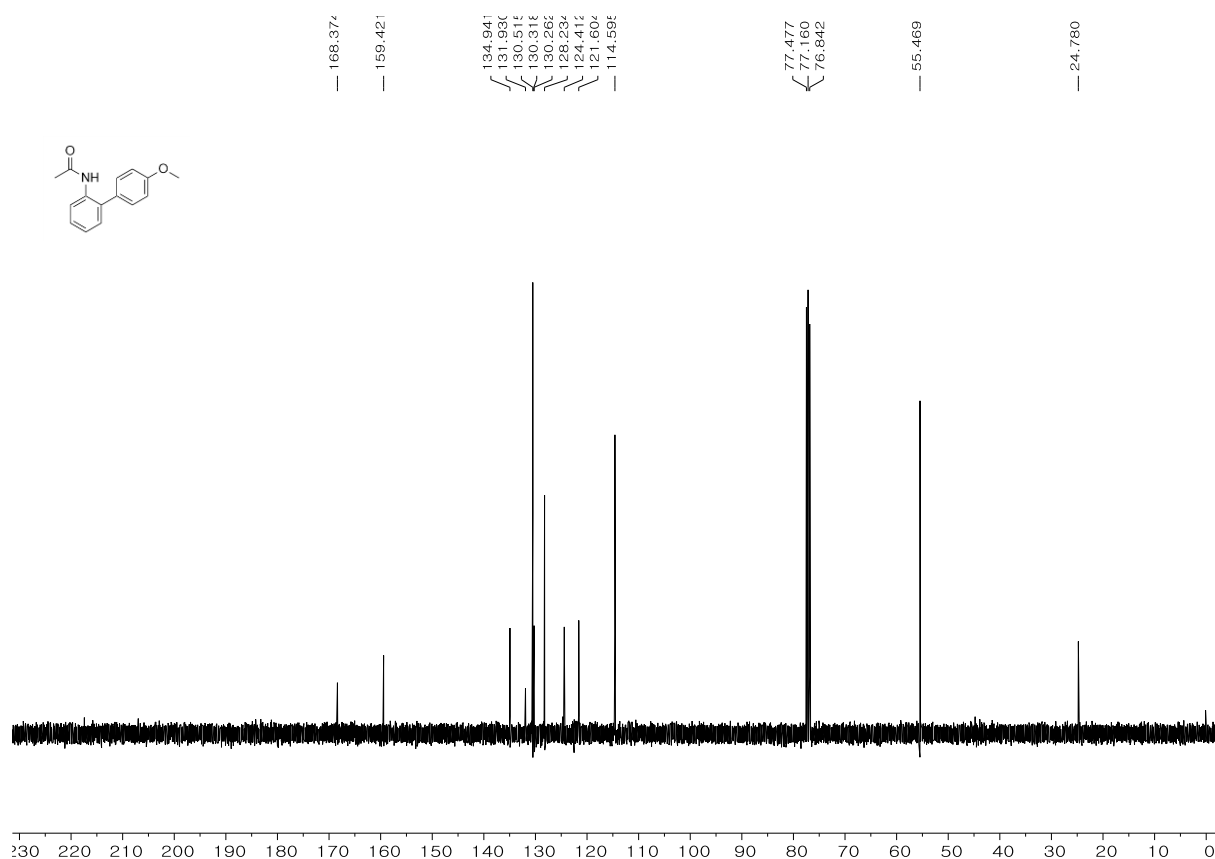
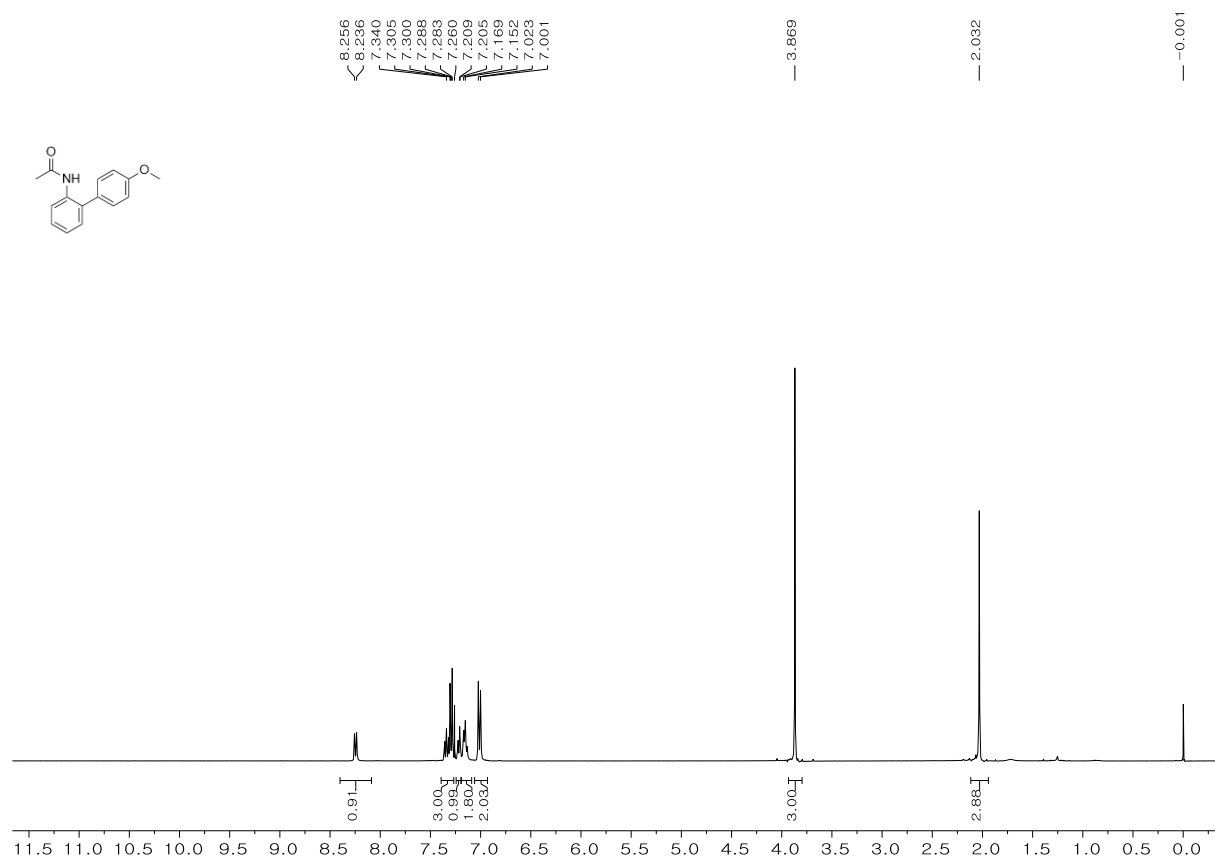
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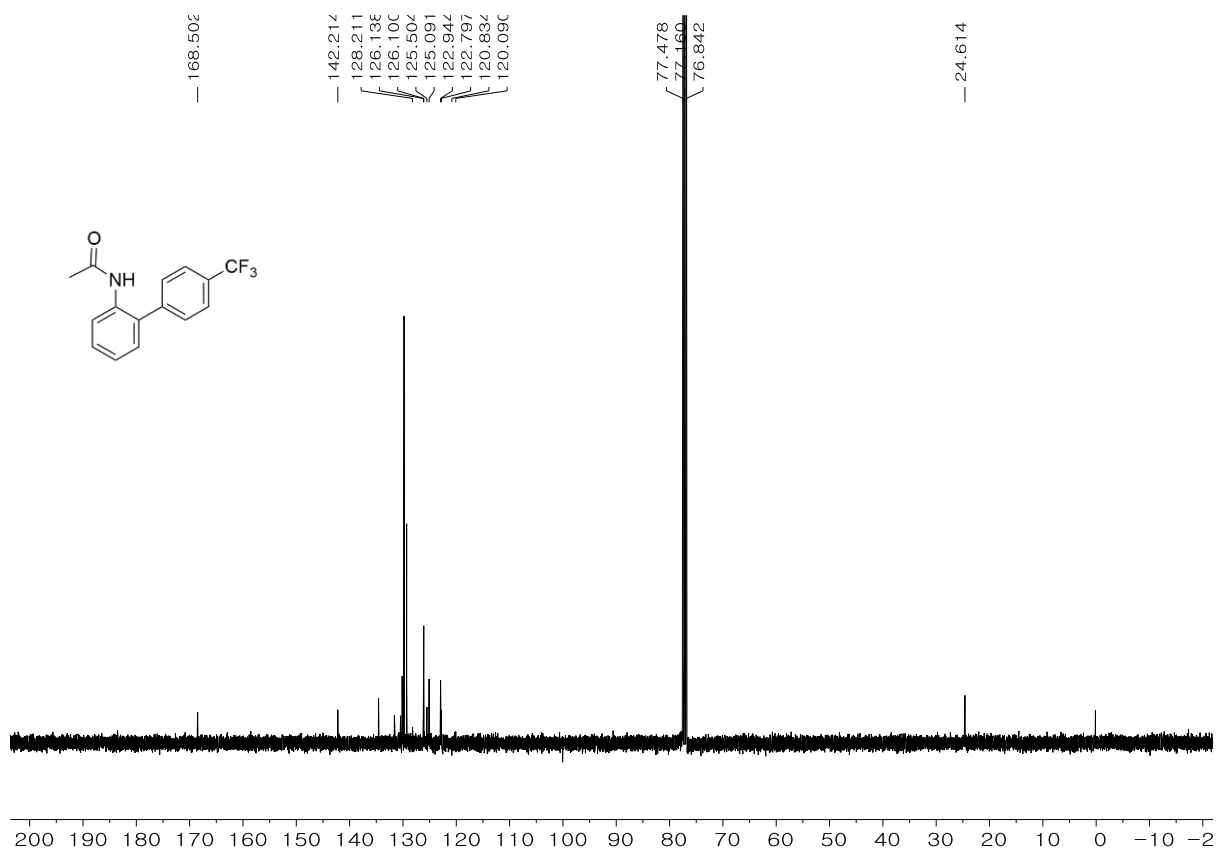
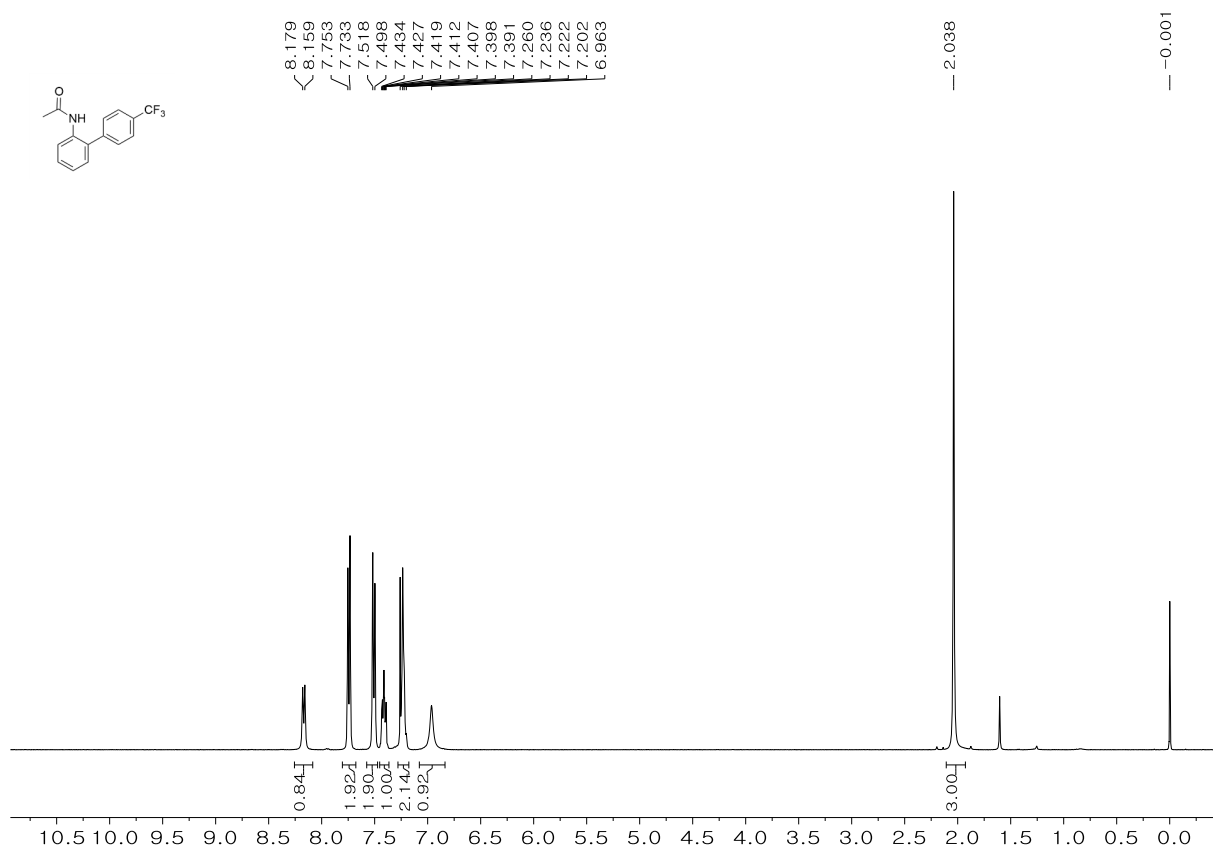
N-(4'-Methyl-[1,1'-biphenyl]-2-yl)acetamide (3a).



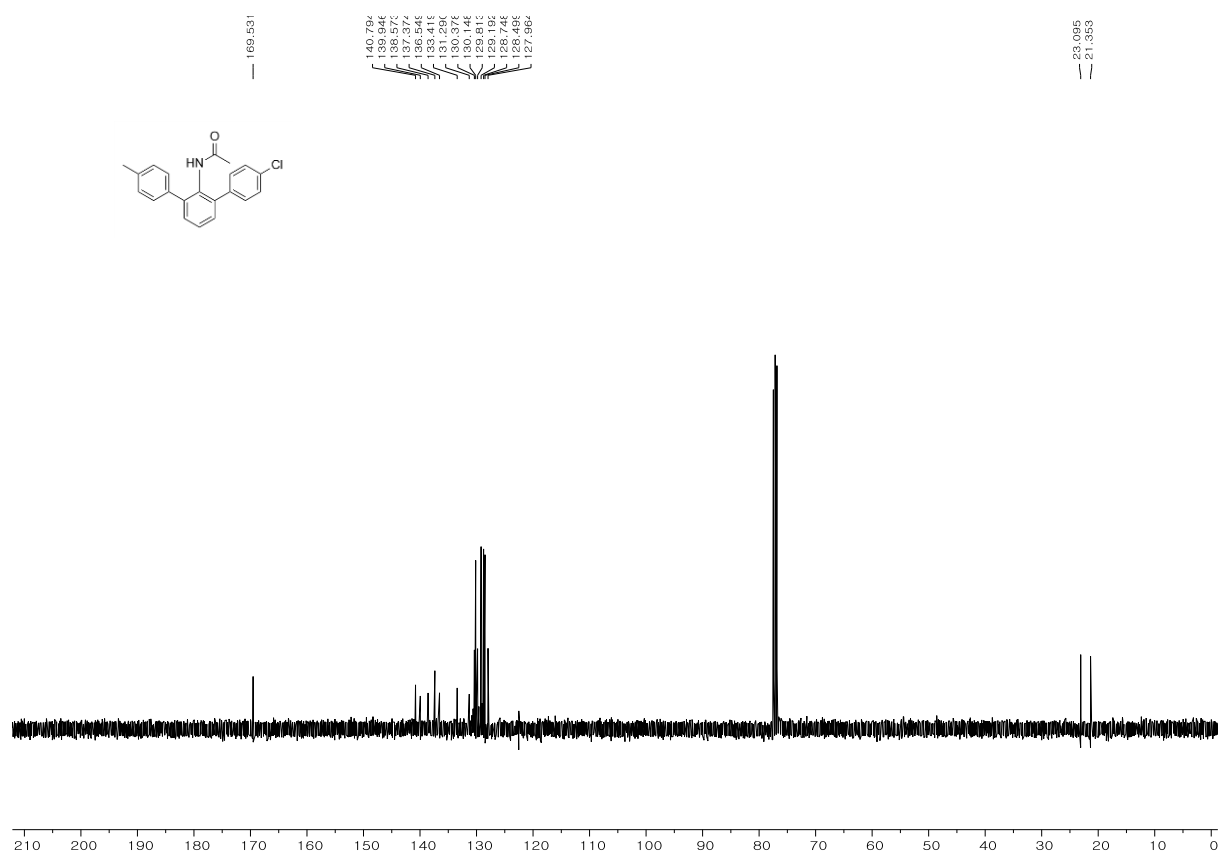
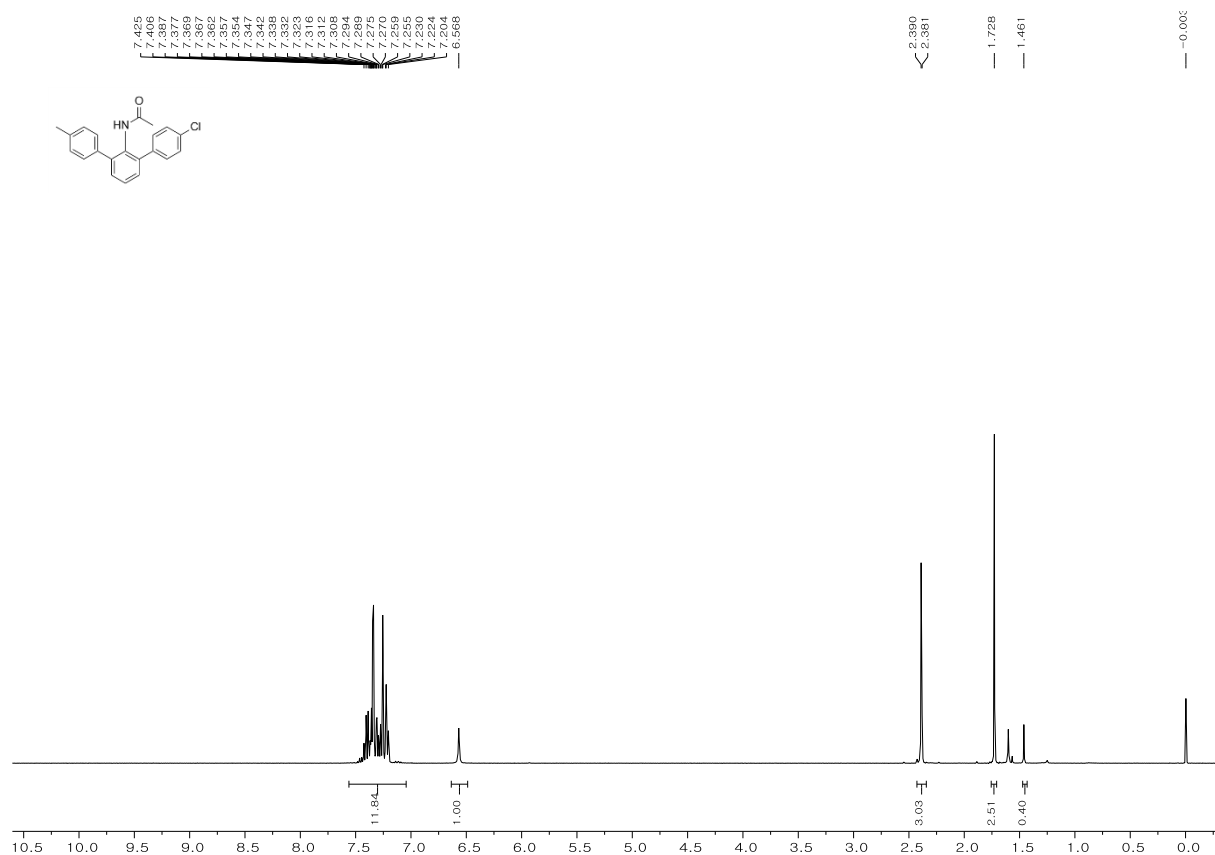
***N*-(4'-Methoxy-[1,1'-biphenyl]-2-yl)acetamide (3b).**



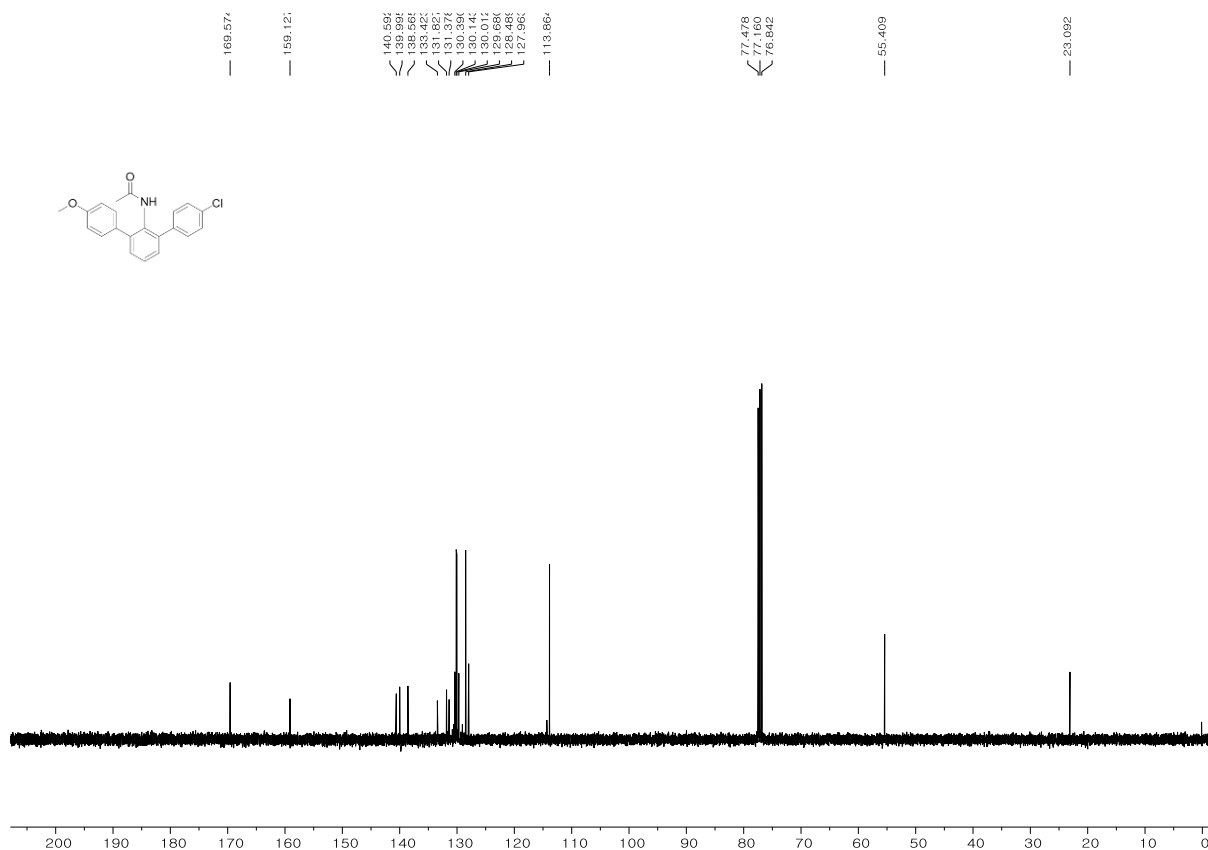
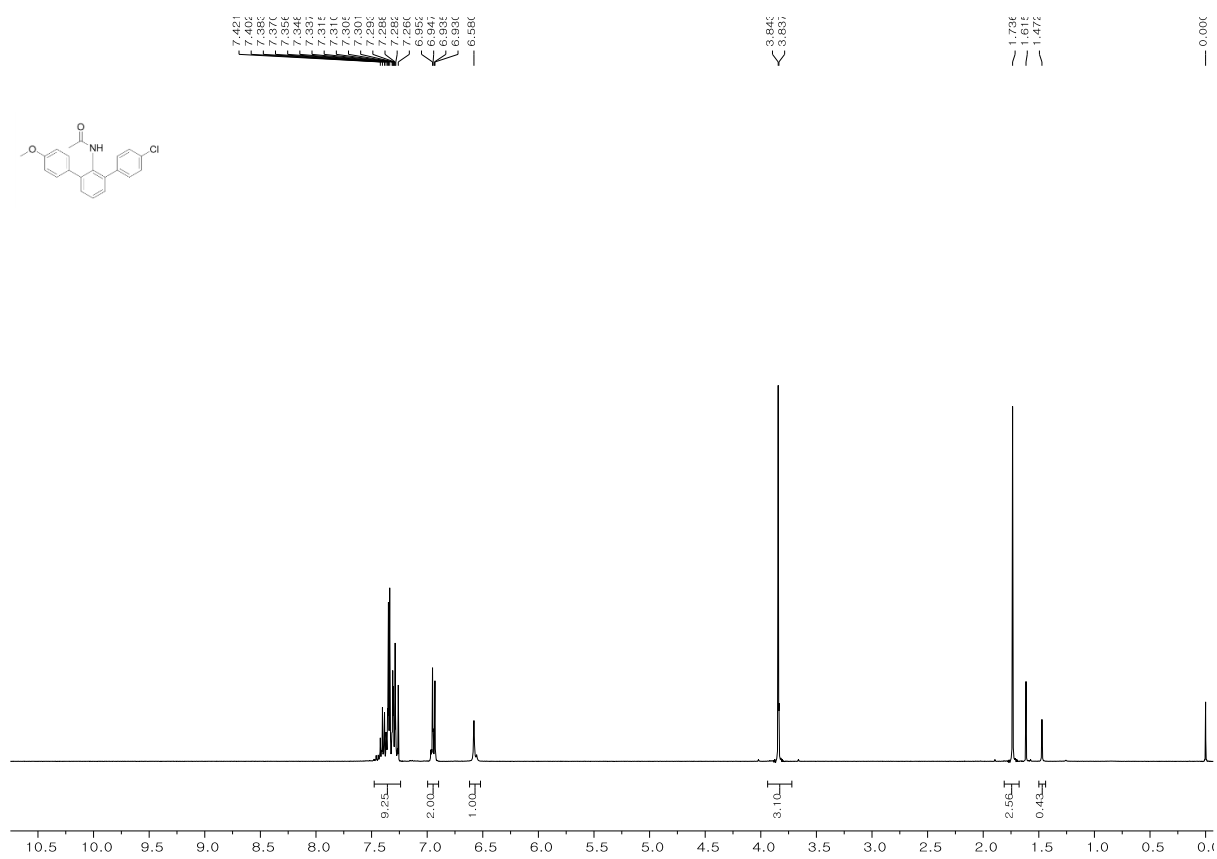
***N*-(4'-(Trifluoromethyl)-[1,1'-biphenyl]-2-yl)acetamide (3c).**



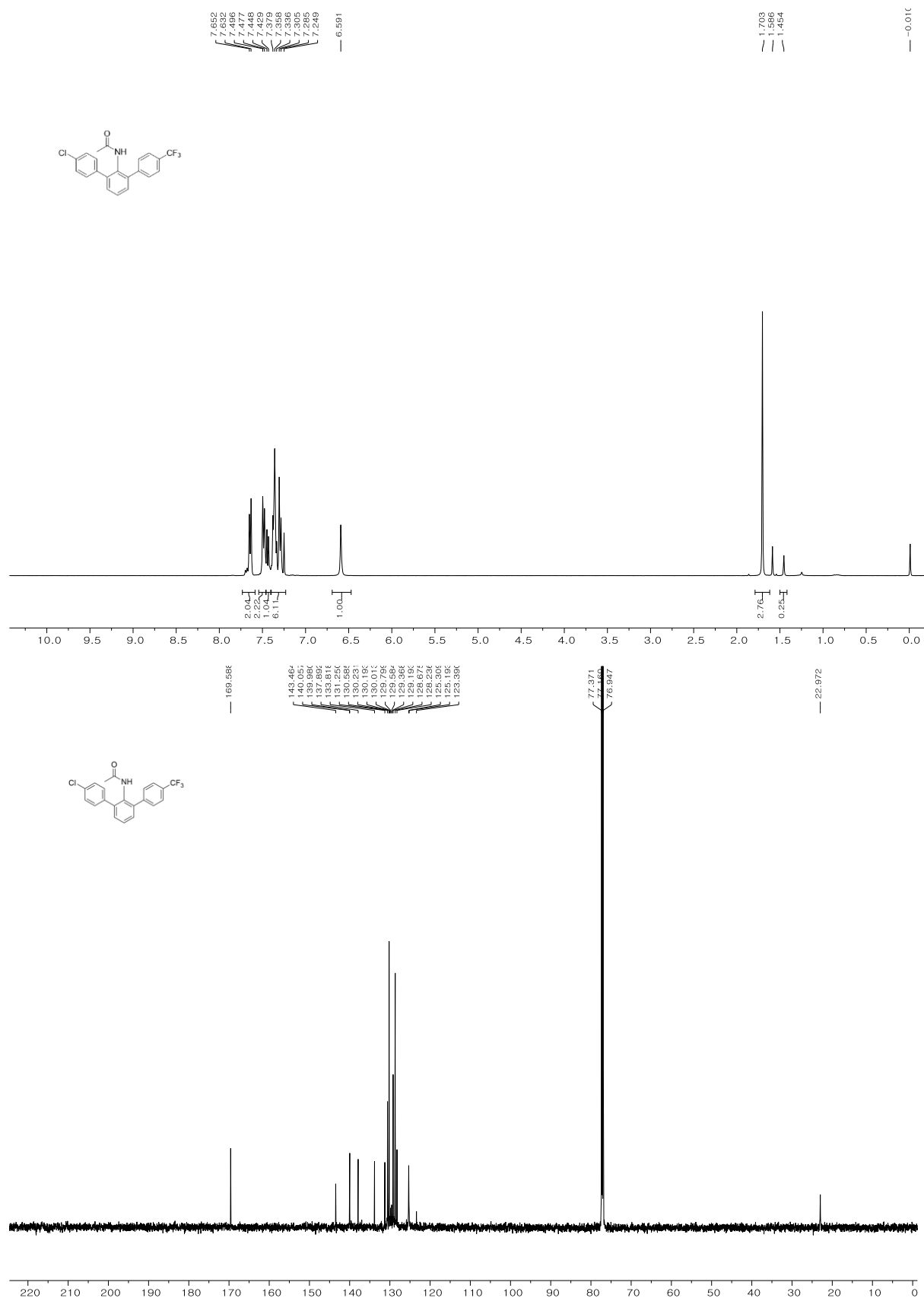
***N*-[2-(4-Chlorophenyl)-6-(*p*-tolyl)phenyl]acetamide (4a).**



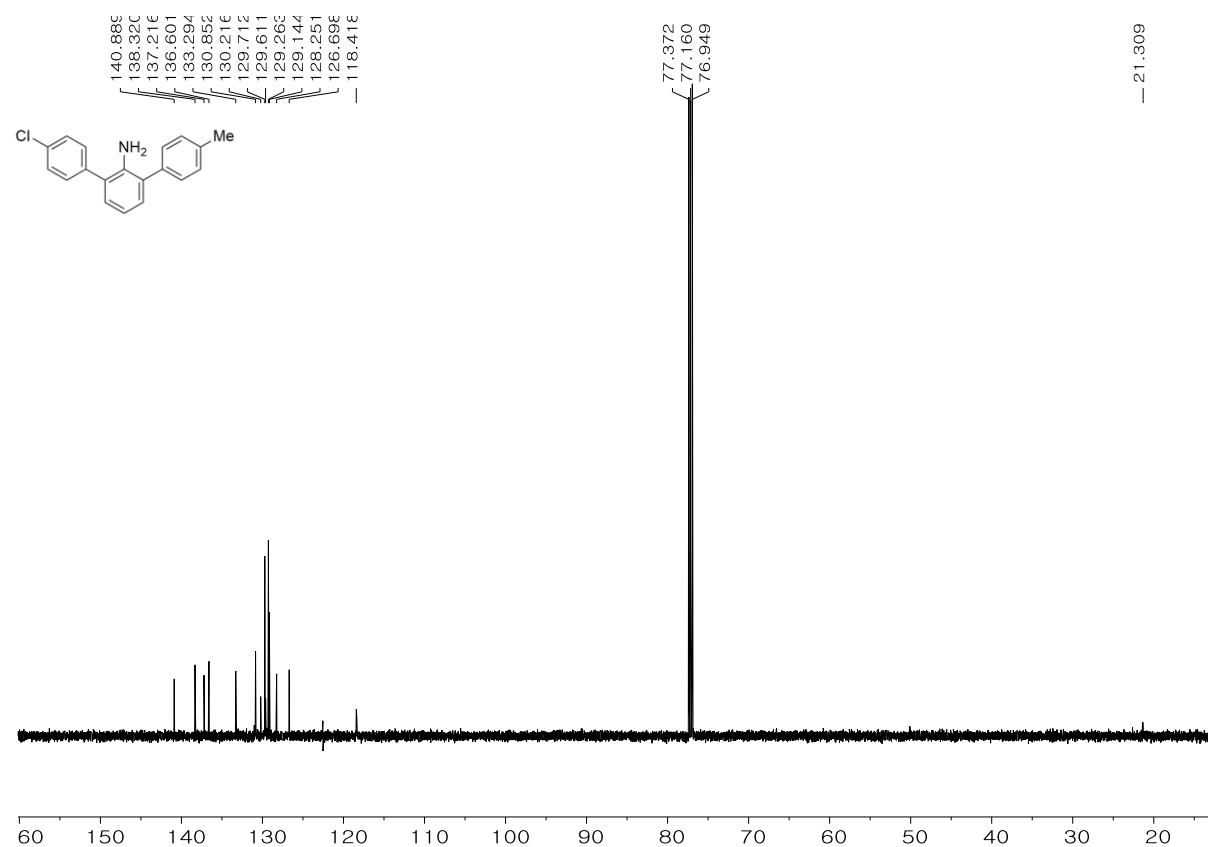
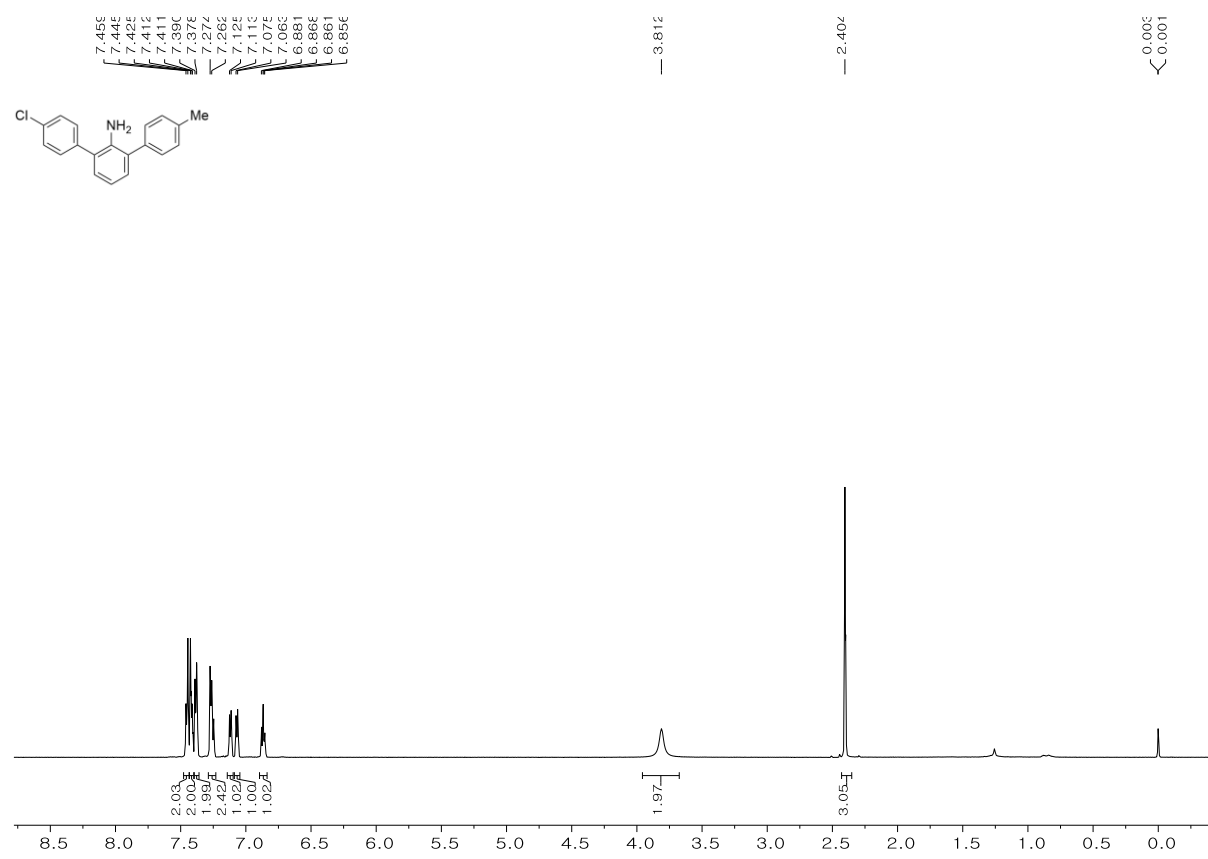
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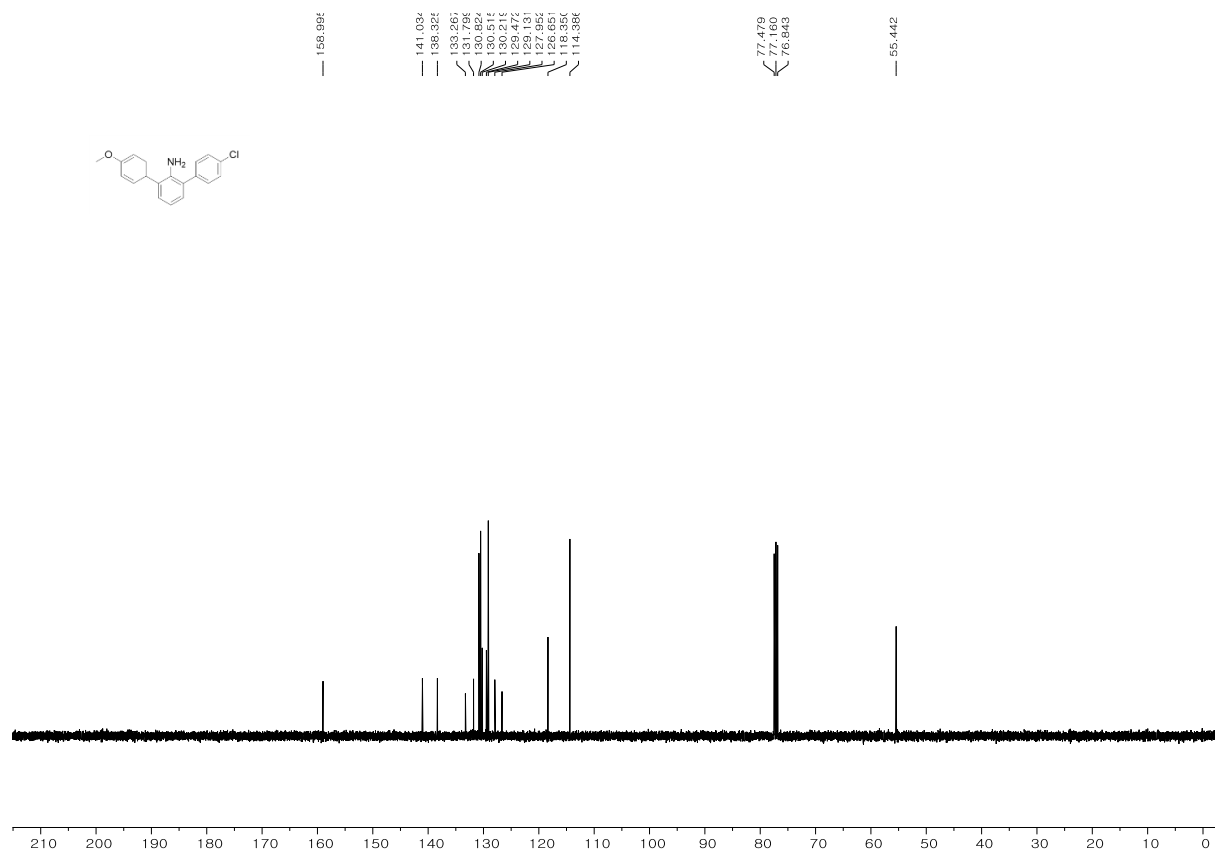
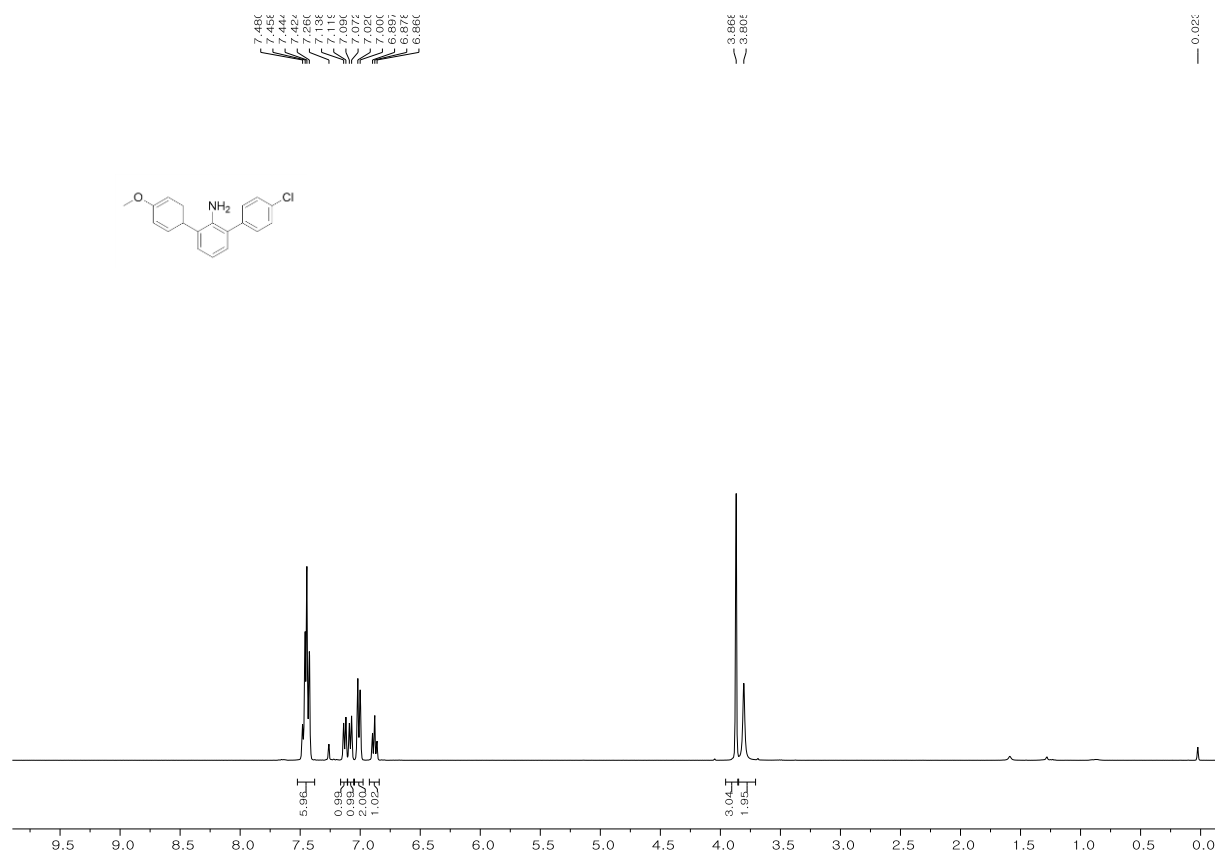
***N*-[2-(4-Chlorophenyl)-6-[4-(trifluoromethyl)phenyl]ph-enyl]acetamide (4c).**



4-Chloro-4''-methyl-[1,1':3',1''-terphenyl]-2'-amine (5a).



2-(4-Chlorophenyl)-6-(4-methoxyphenyl)aniline (5b).



2-(4-Chlorophenyl)-6-[4-(trifluoromethyl)phenyl]aniline (5c).

