

Metal-free Synthesis and Photophysical Studies of Highly Functionalized (*E*)-Stilbenes

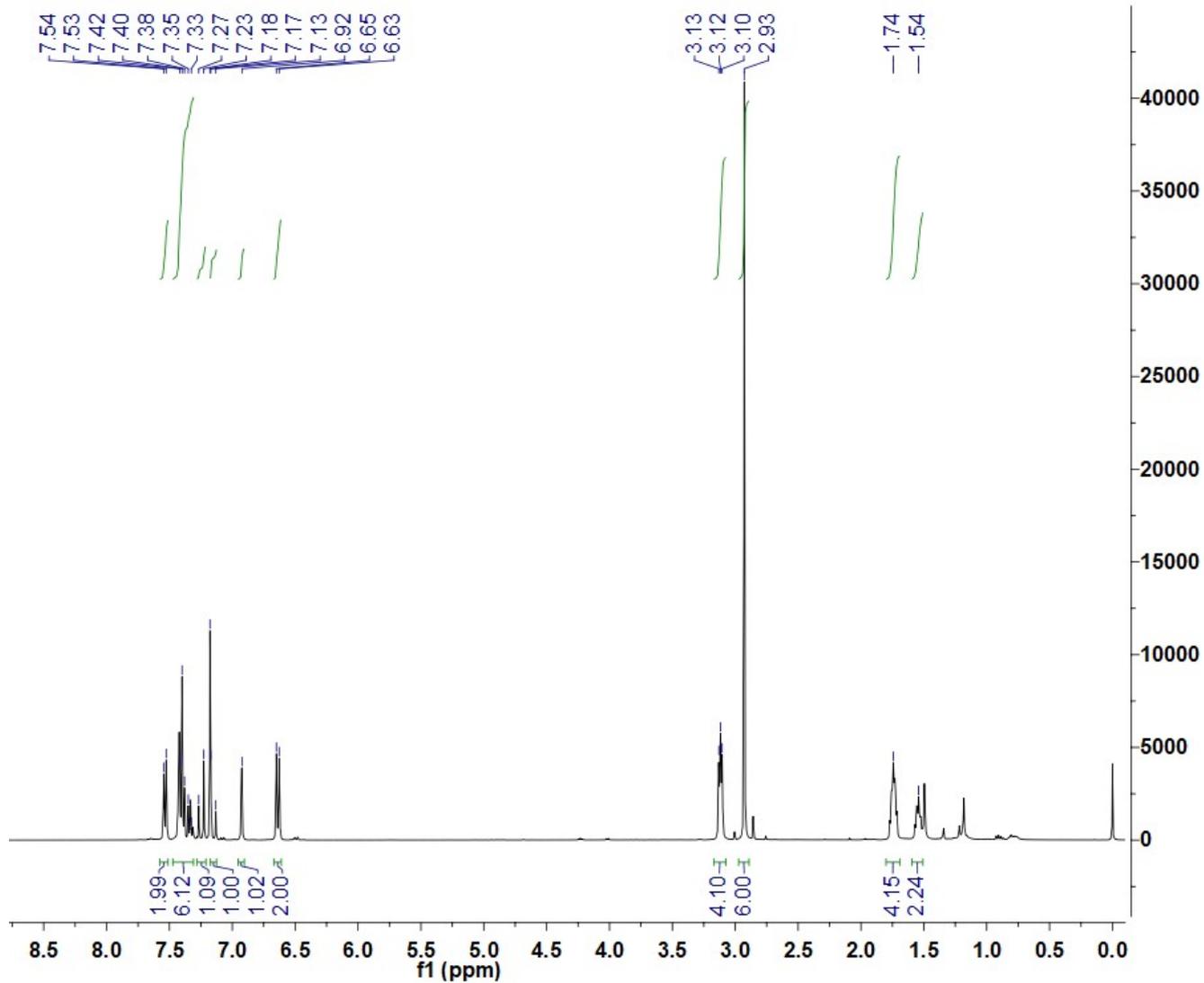
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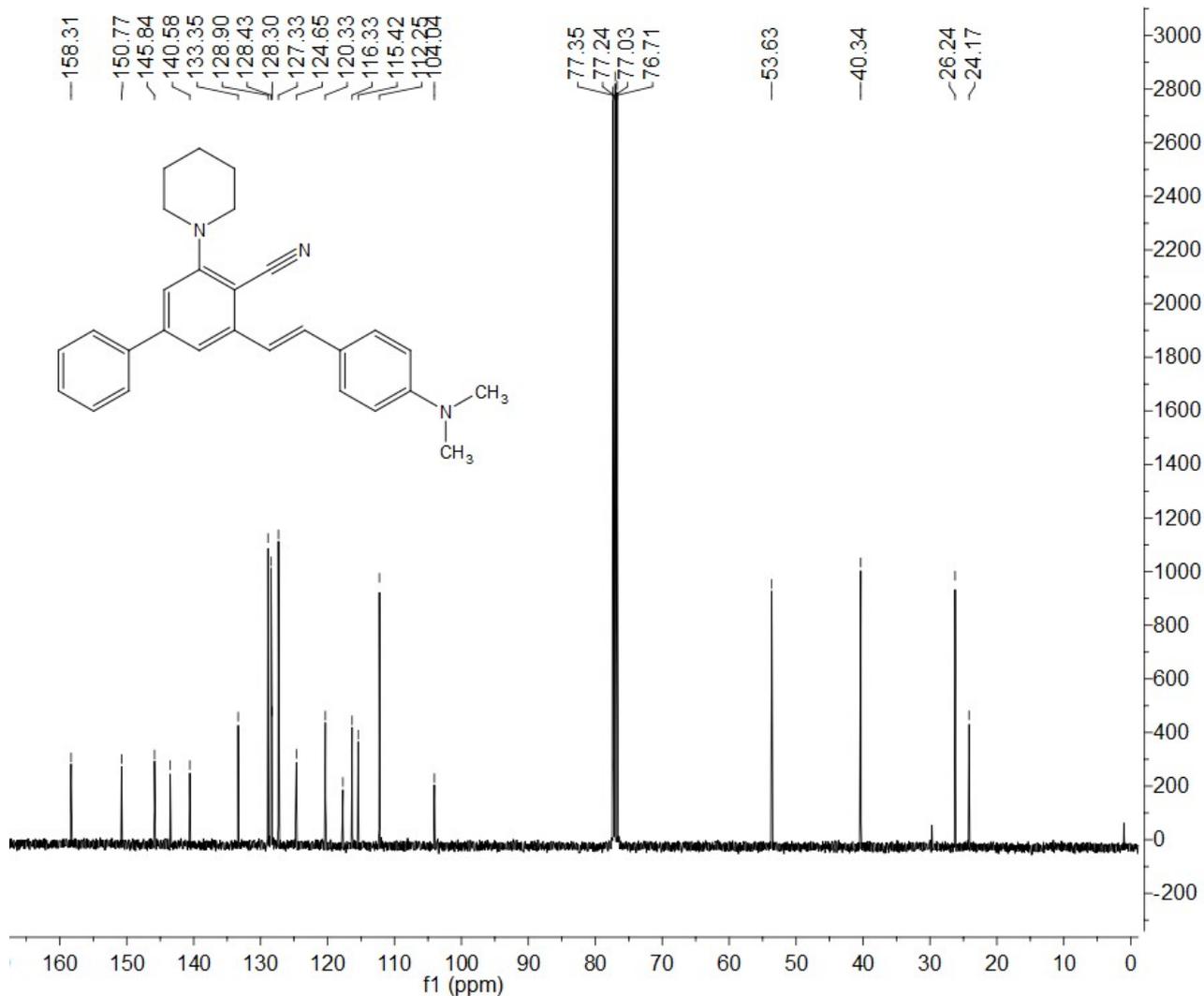
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| ¹ H NMR and ¹³ C NMR spectra of compound 17a-j | 2-21 |
| Tauc's plots of 17a-j | 22-23 |

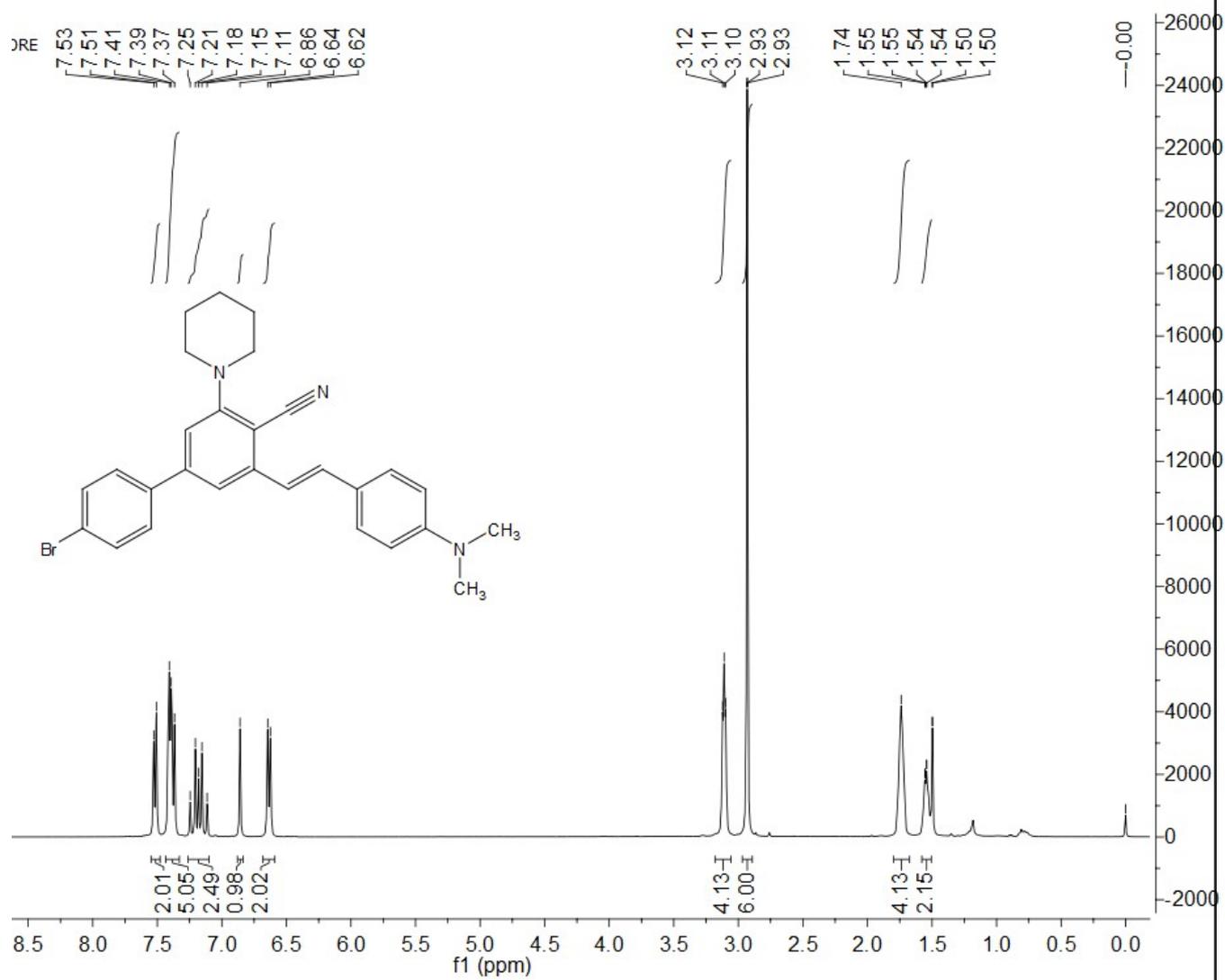
(E)-3-(4-(dimethylamino)styryl)-5-(piperidin-1-yl)-[1,1'-biphenyl]-4-carbonitrile (17a)



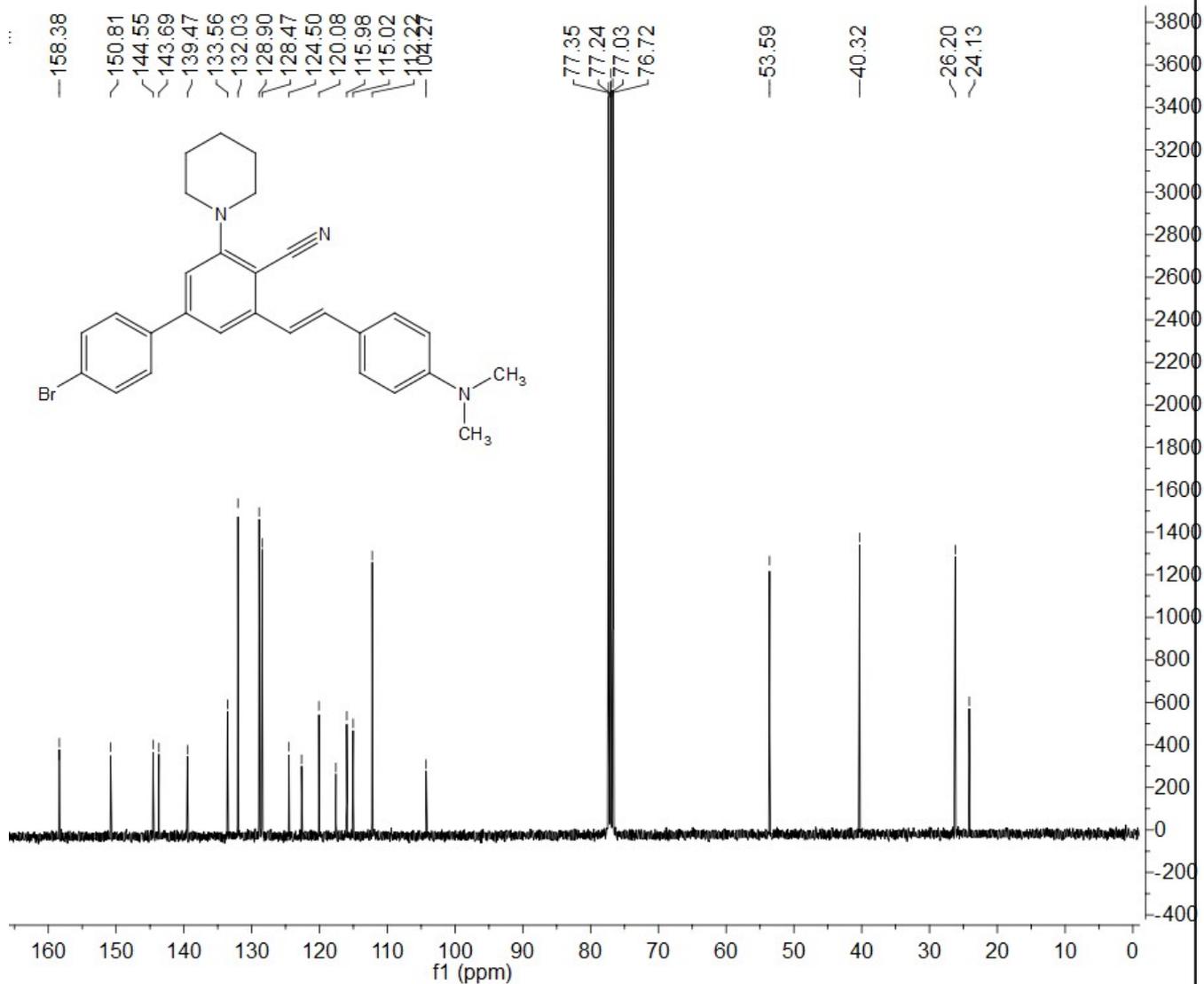
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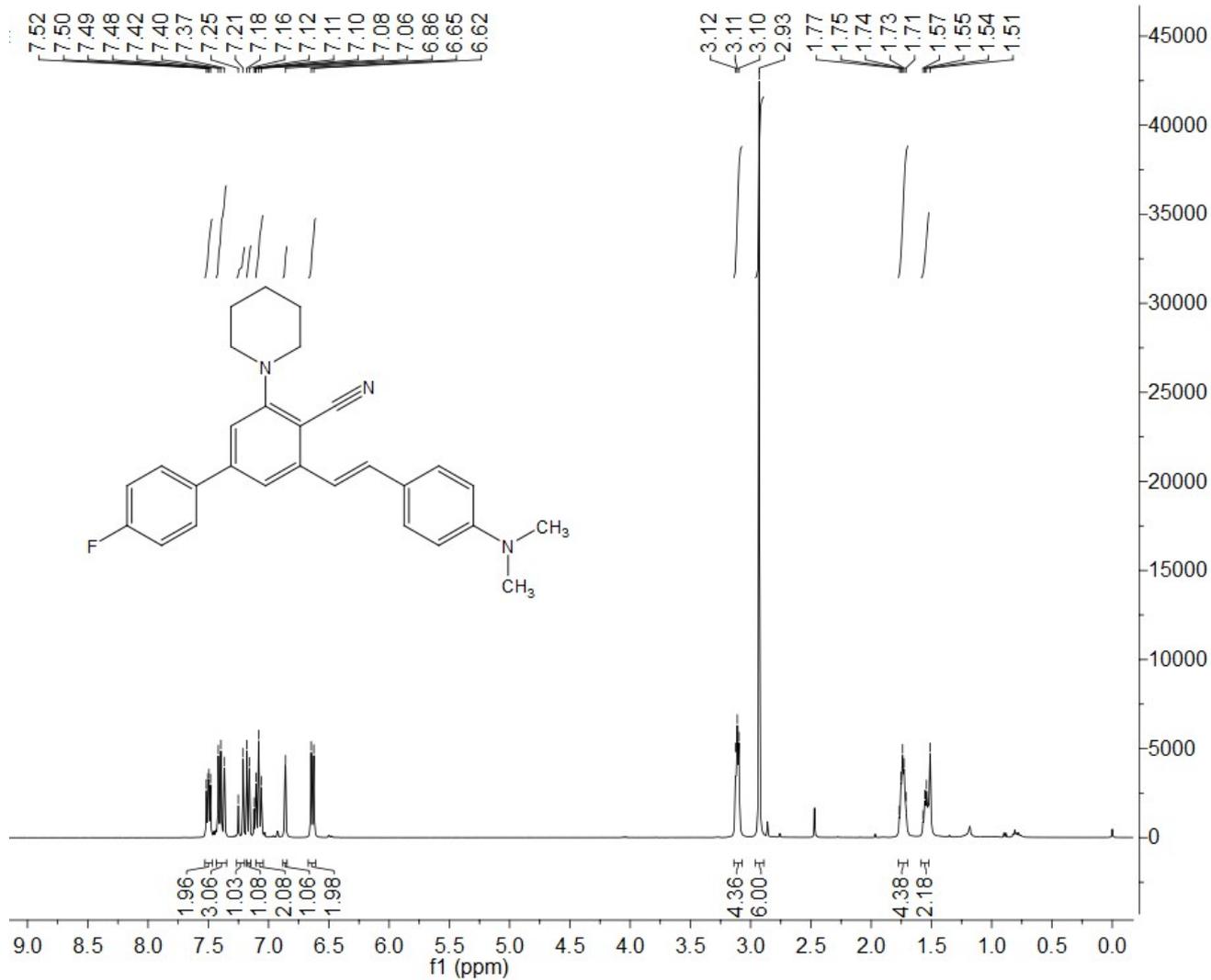
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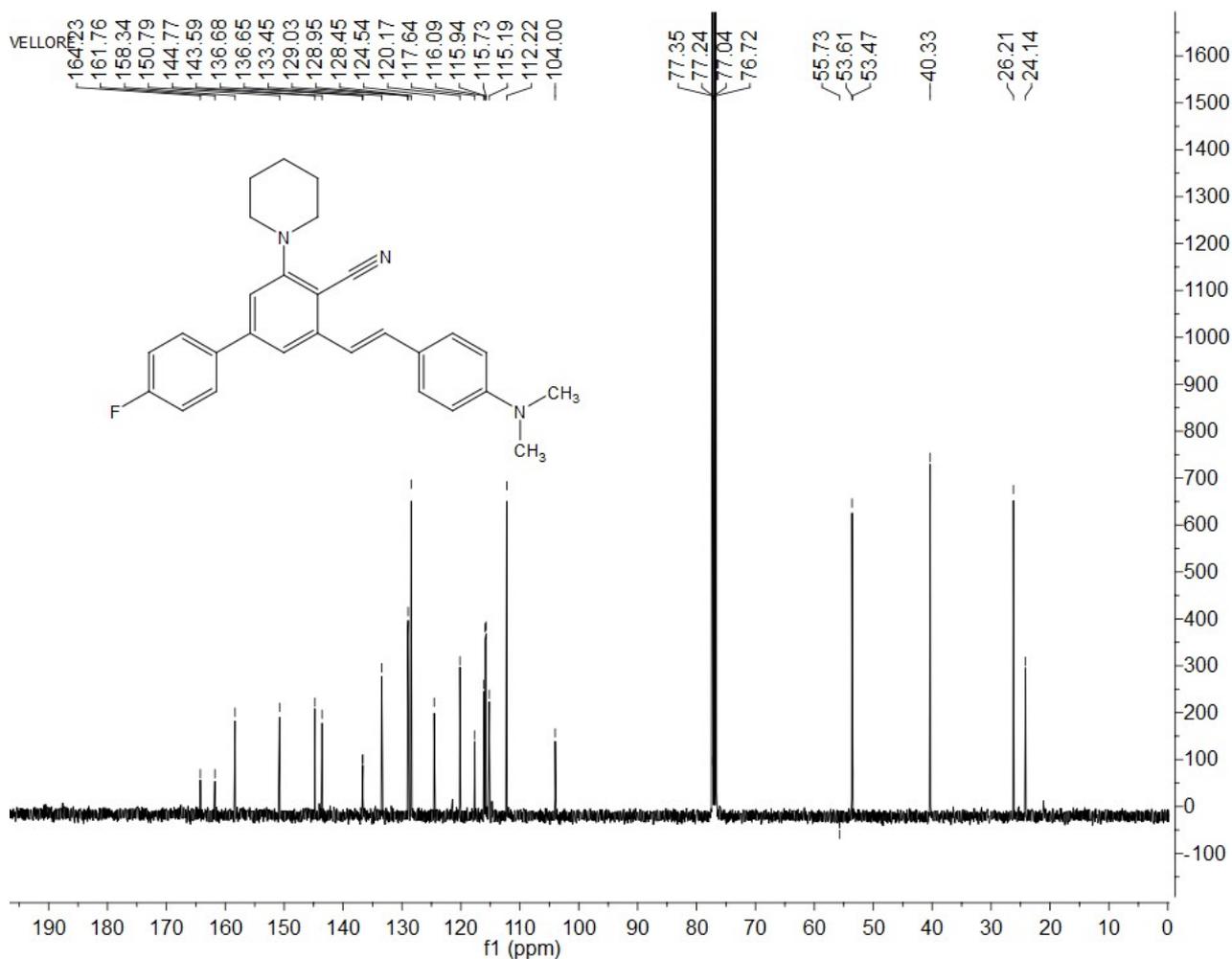
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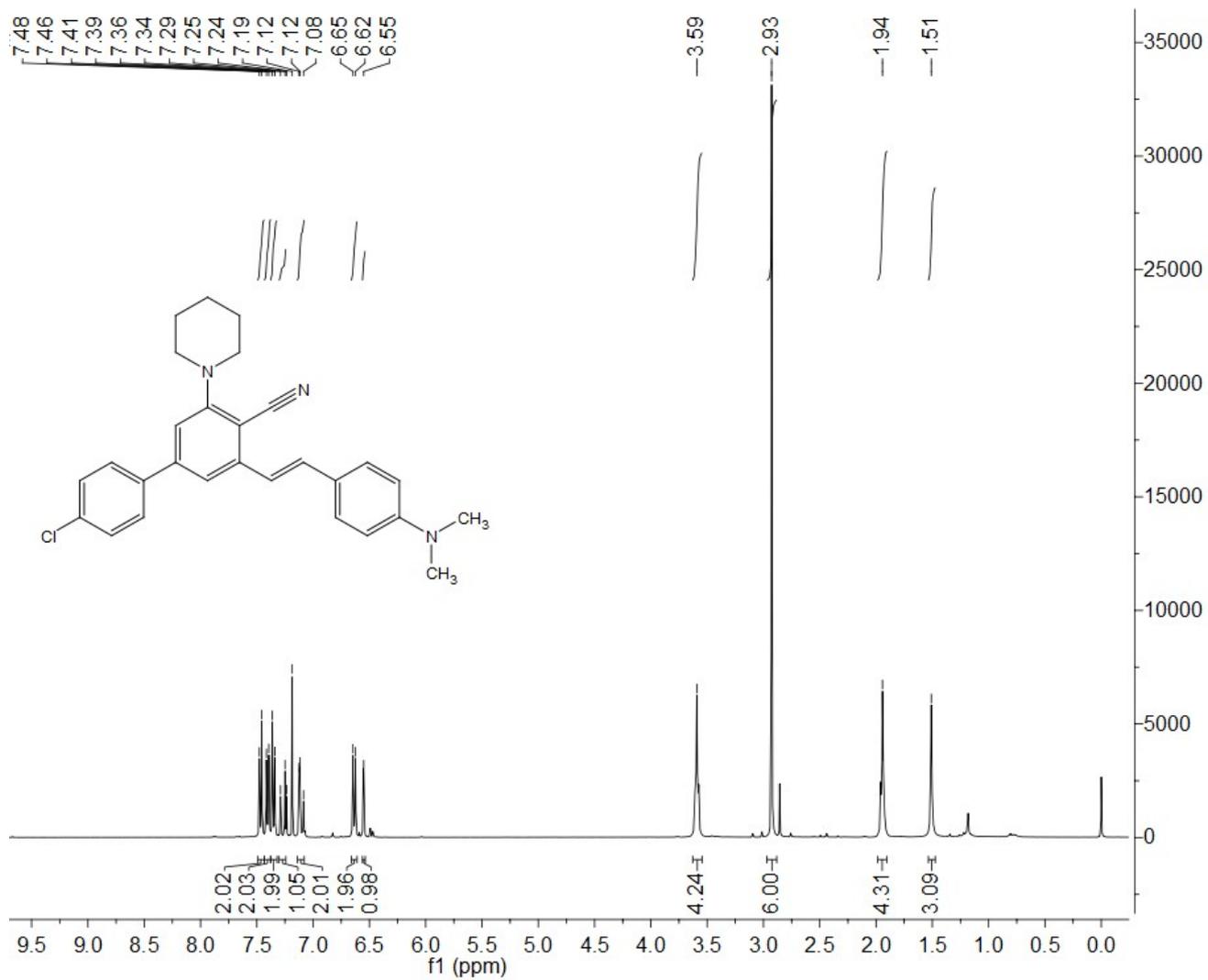
(E)-3-(4-(dimethylamino)styryl)-4'-fluoro-5-(piperidin-1-yl)-[1,1'-biphenyl]-4-carbonitrile 17c



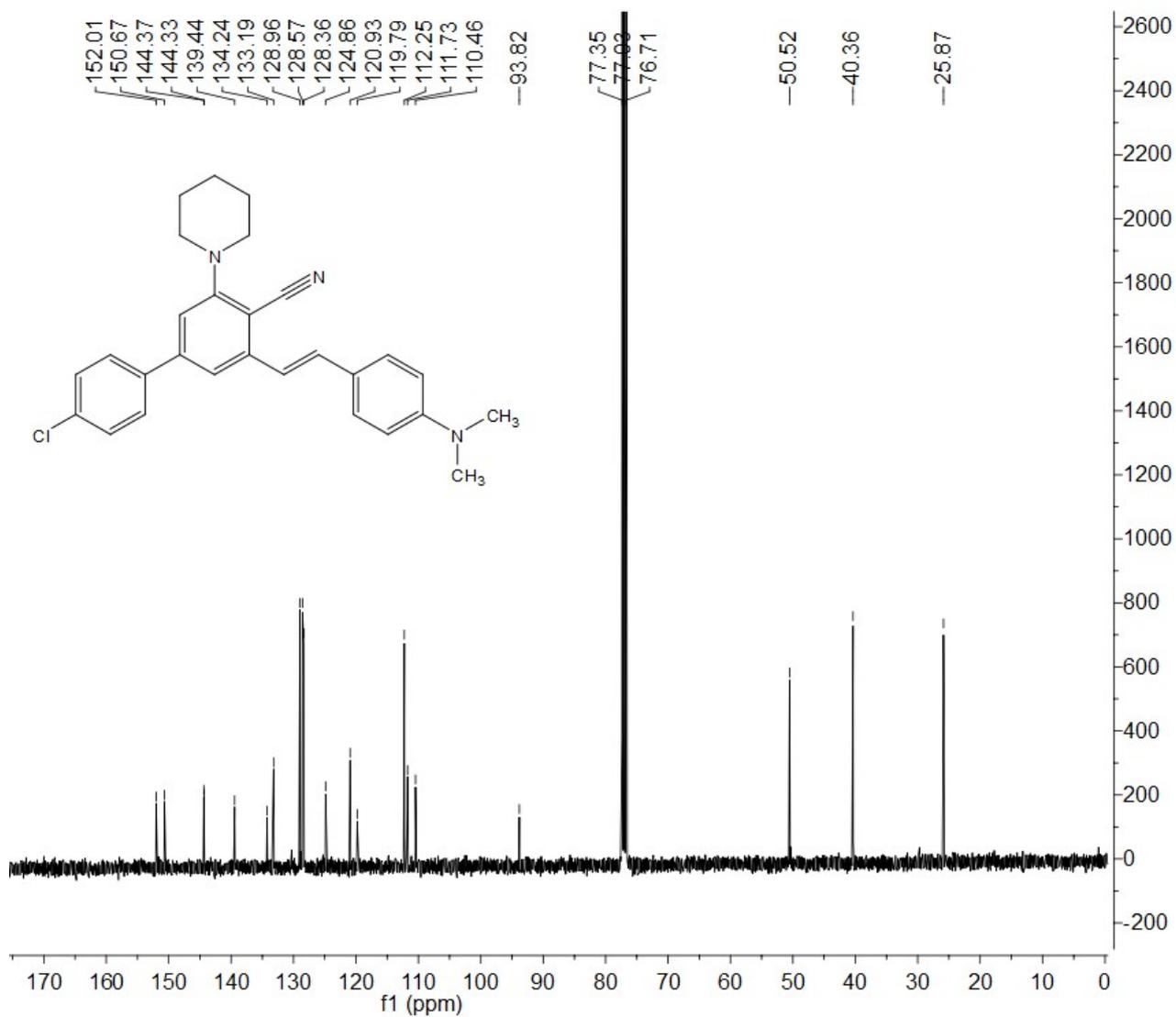
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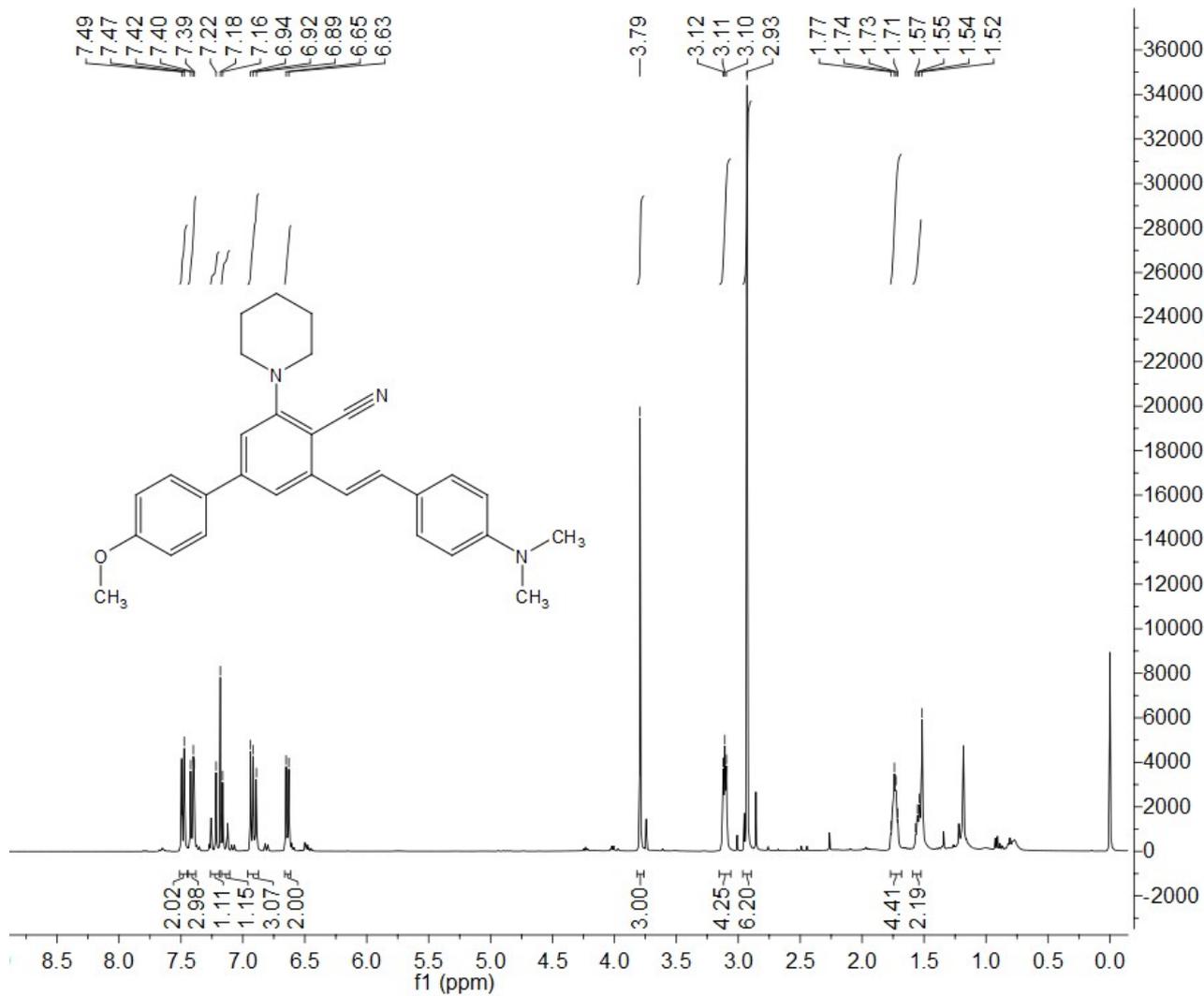
(E)-4'-chloro-3-(4-(dimethylamino)styryl)-5-(piperidin-1-yl)-[1,1'-biphenyl]-4-carbonitrile (17d)



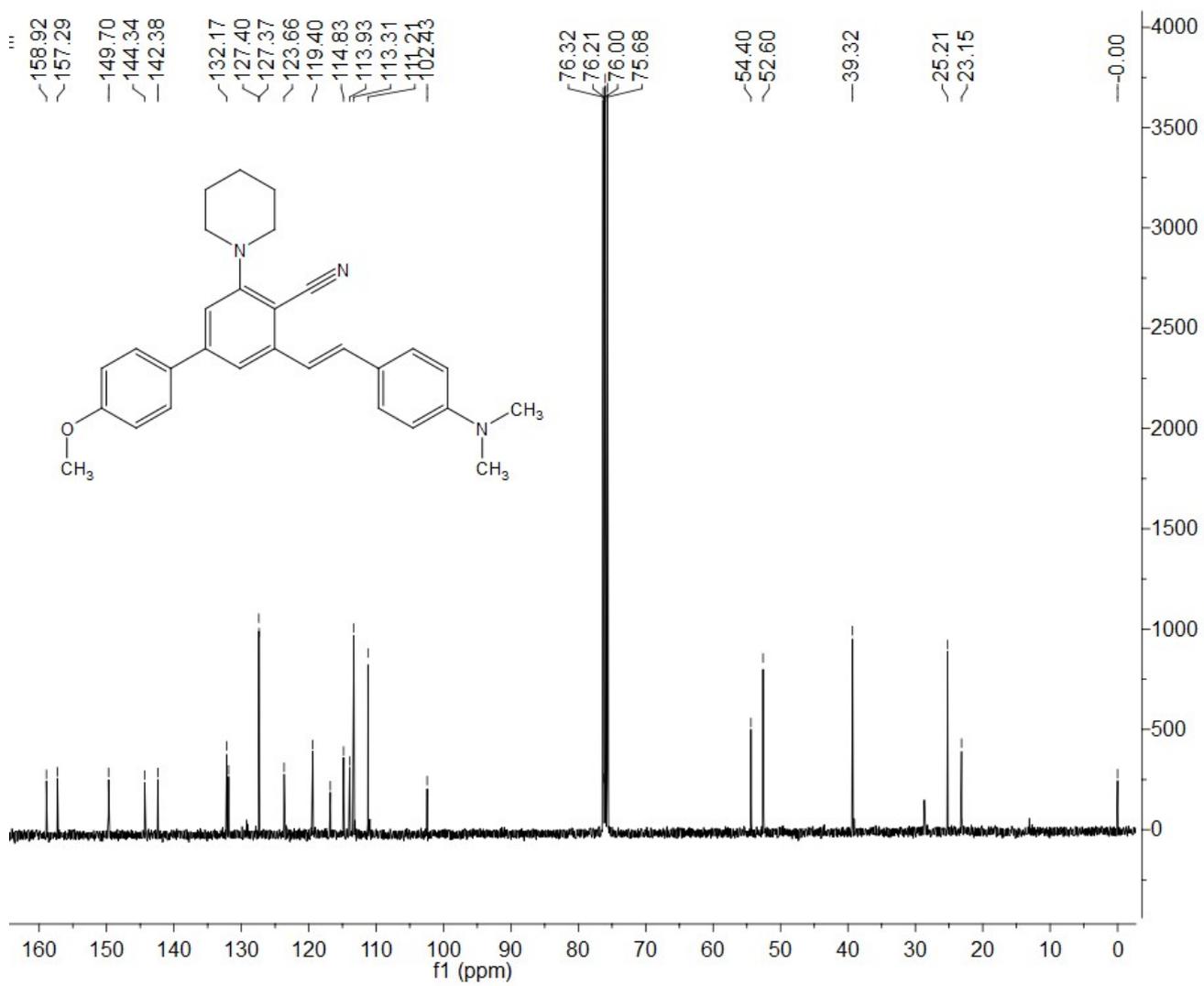
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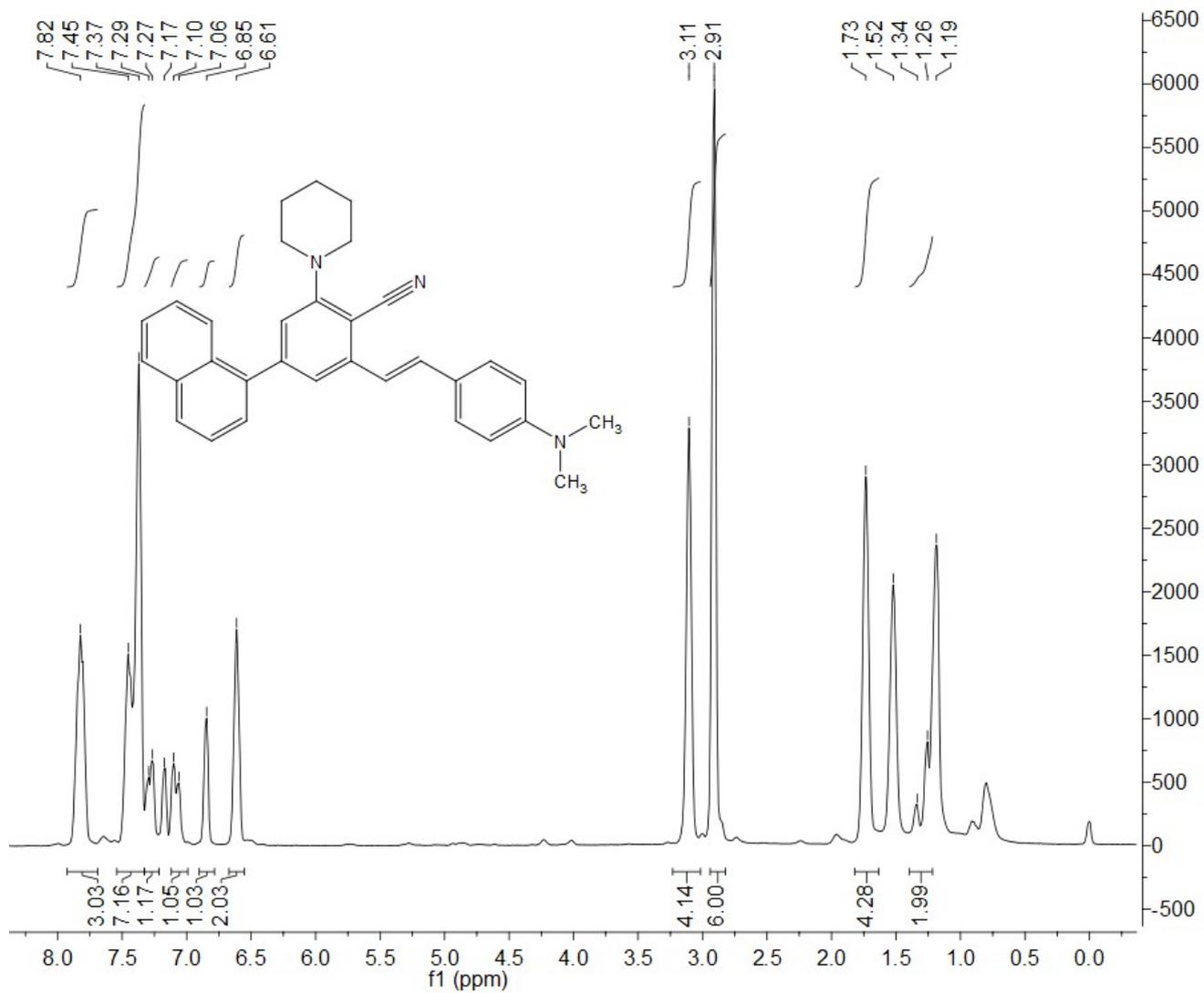
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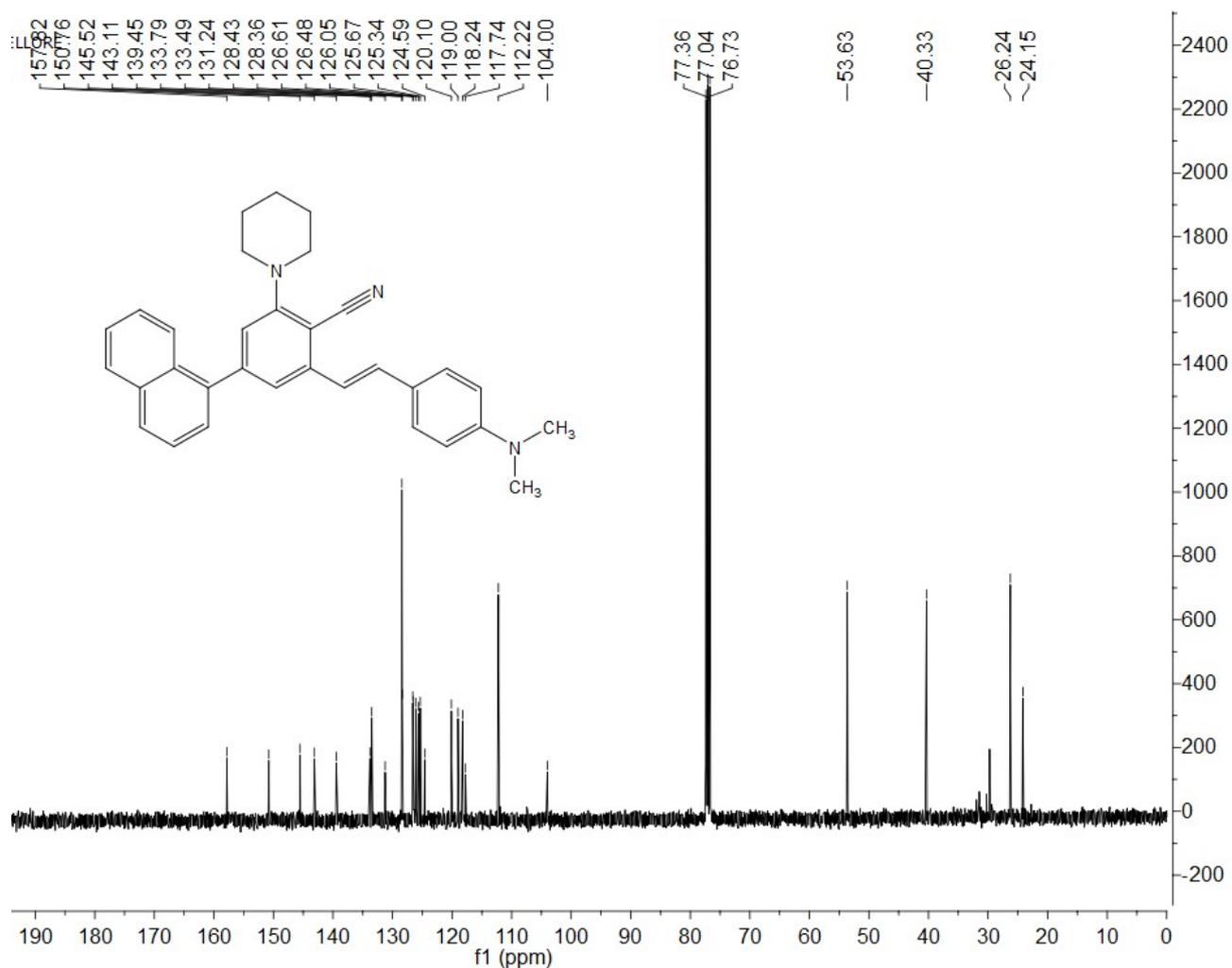
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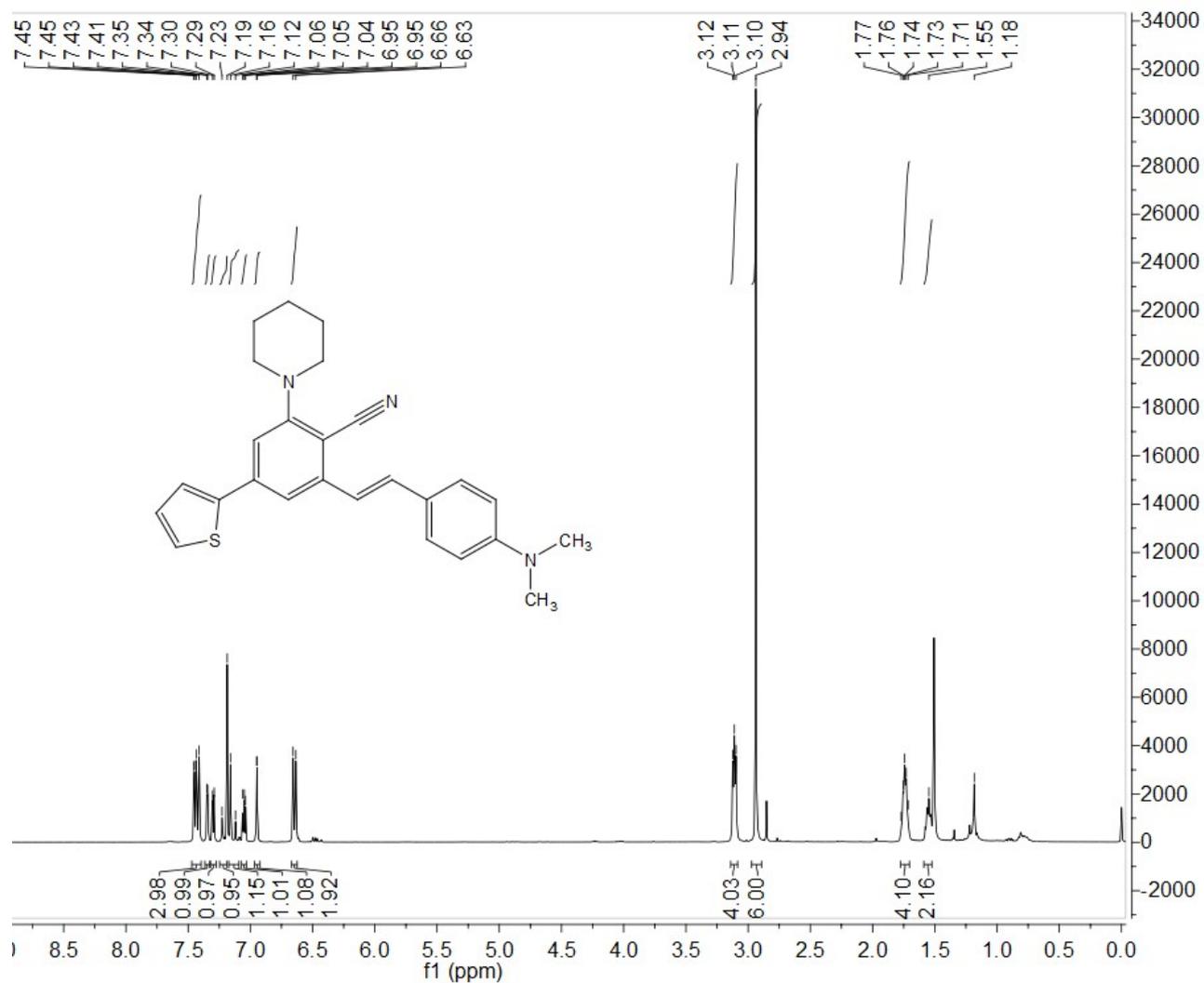
(E)-2-(4-(dimethylamino)styryl)-4-(naphthalen-1-yl)-6-(piperidin-1-yl) benzonitrile (17f)



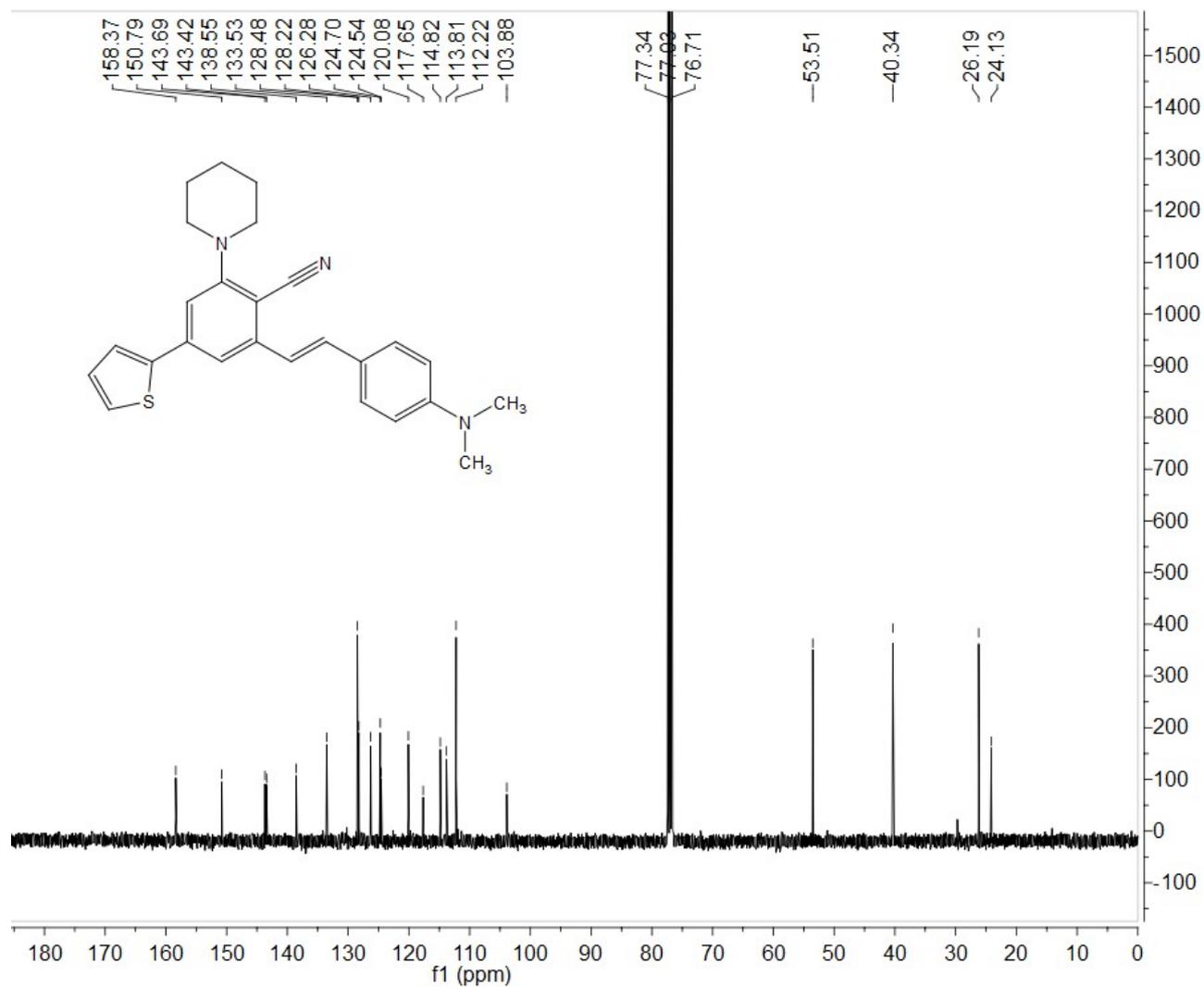
(E)-2-(4-(dimethylamino)styryl)-4-(naphthalen-1-yl)-6-(piperidin-1-yl) benzonitrile 17f



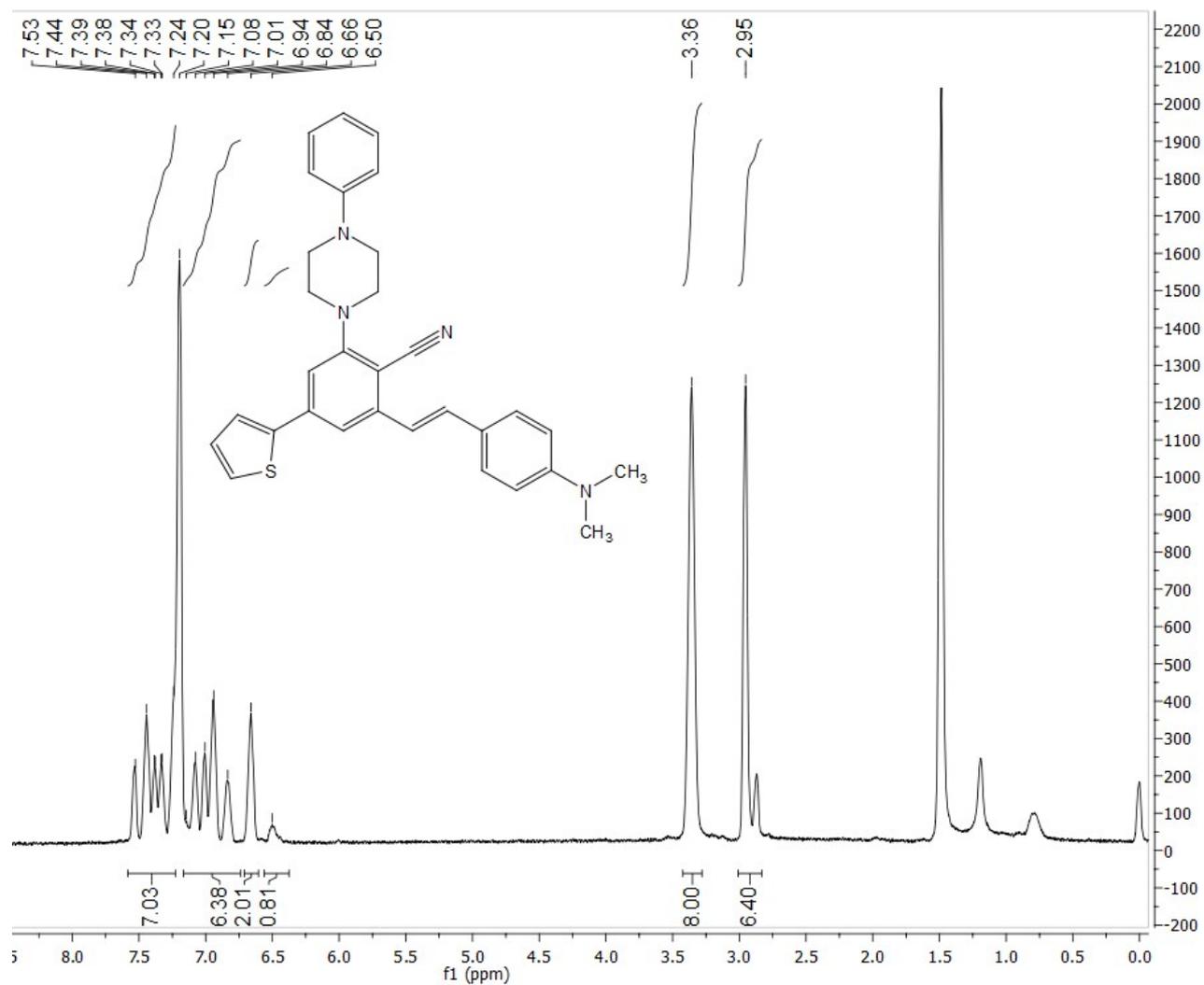
(E)-2-(4-(dimethylamino)styryl)-6-(piperidin-1-yl)-4-(thiophen-2-yl) benzonitrile (17g)



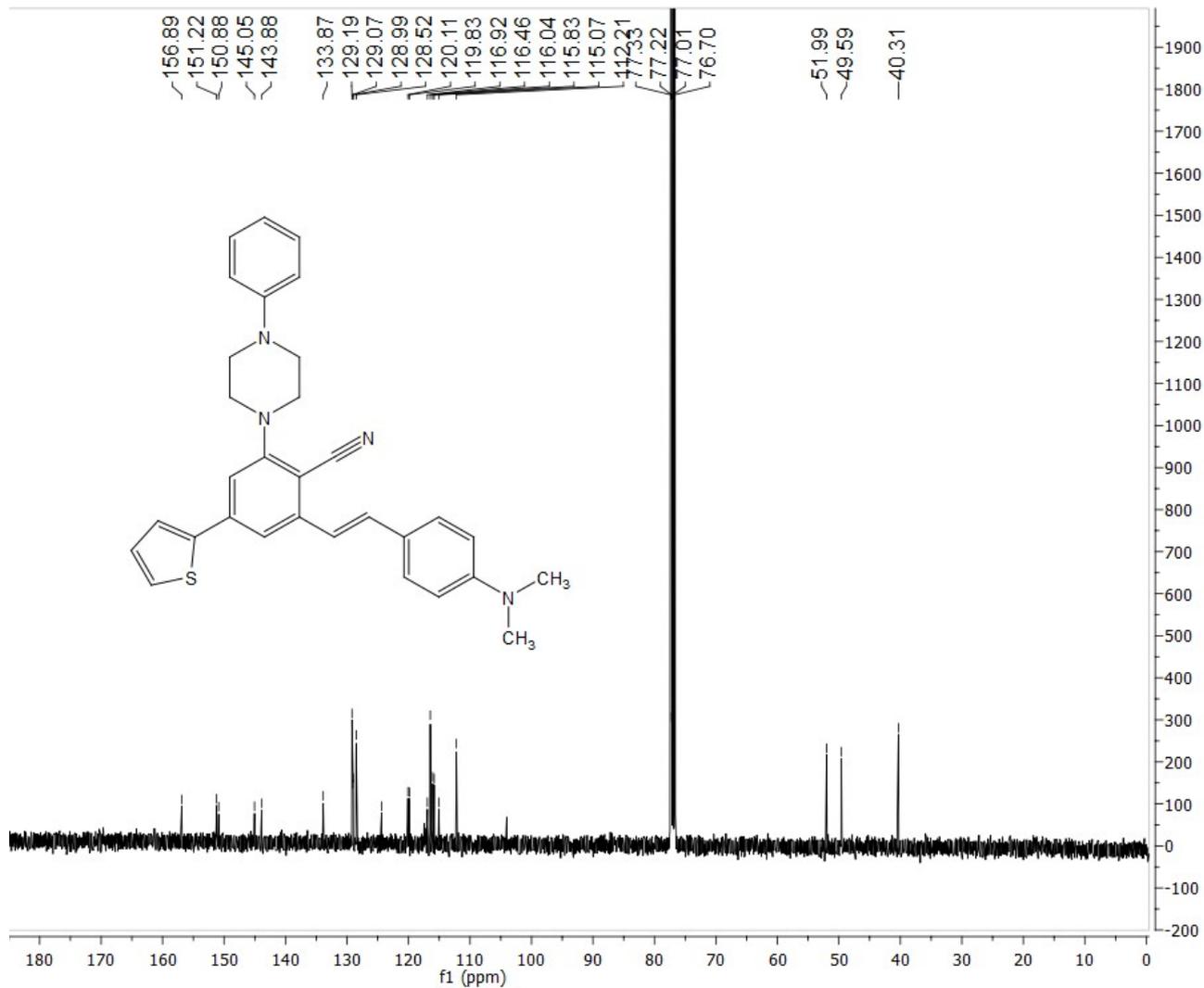
(E)-2-(4-(dimethylamino)styryl)-6-(piperidin-1-yl)-4-(thiophen-2-yl) benzonitrile 17g



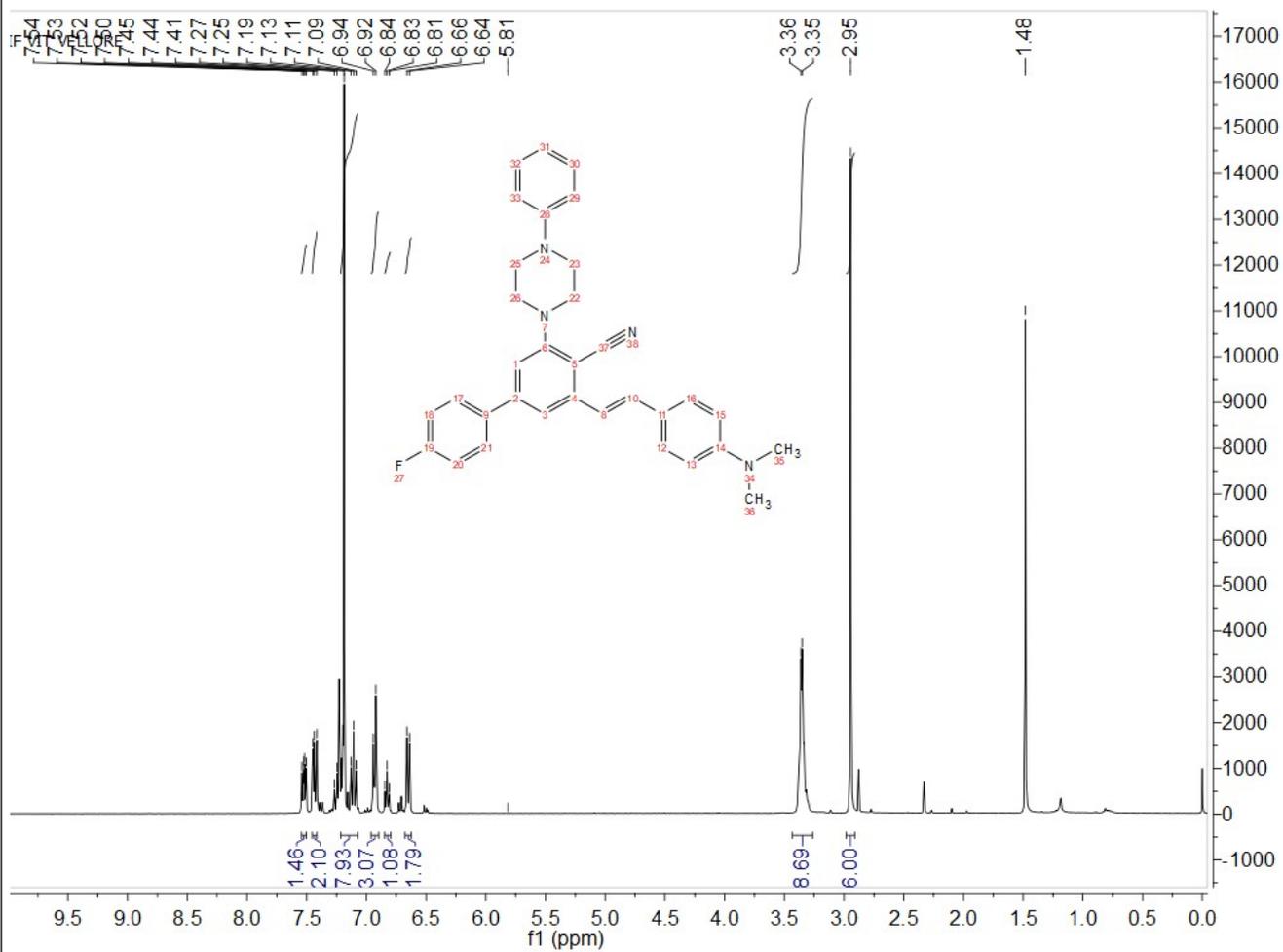
(E)-2-(4-(dimethylamino)styryl)-6-(4-phenylpiperazin-1-yl)-4-(thiophen-2-yl)benzonitrile (17h)



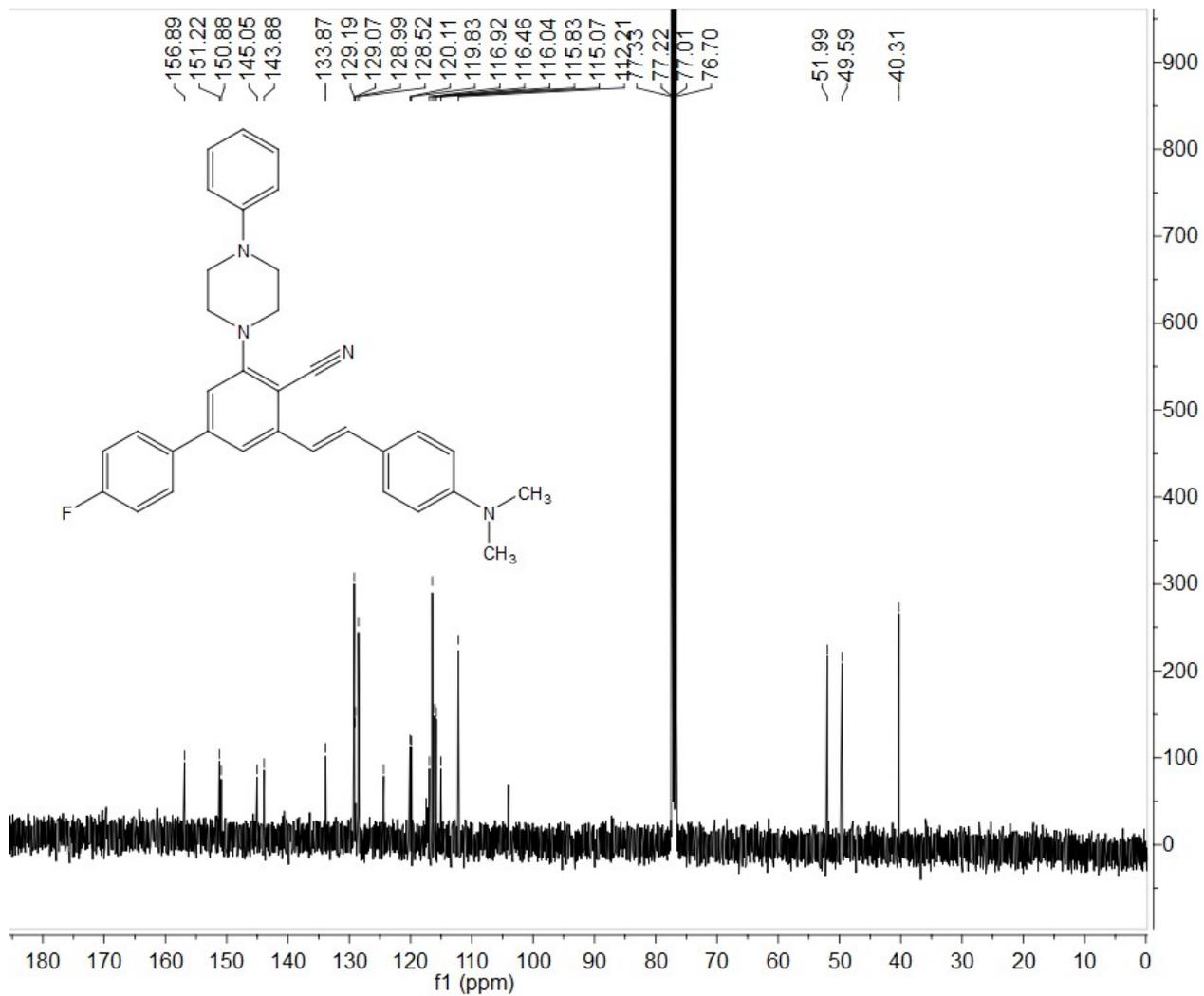
(E)-2-(4-(dimethylamino)styryl)-6-(4-phenylpiperazin-1-yl)-4-(thiophen-2-yl)benzonitrile (17h)



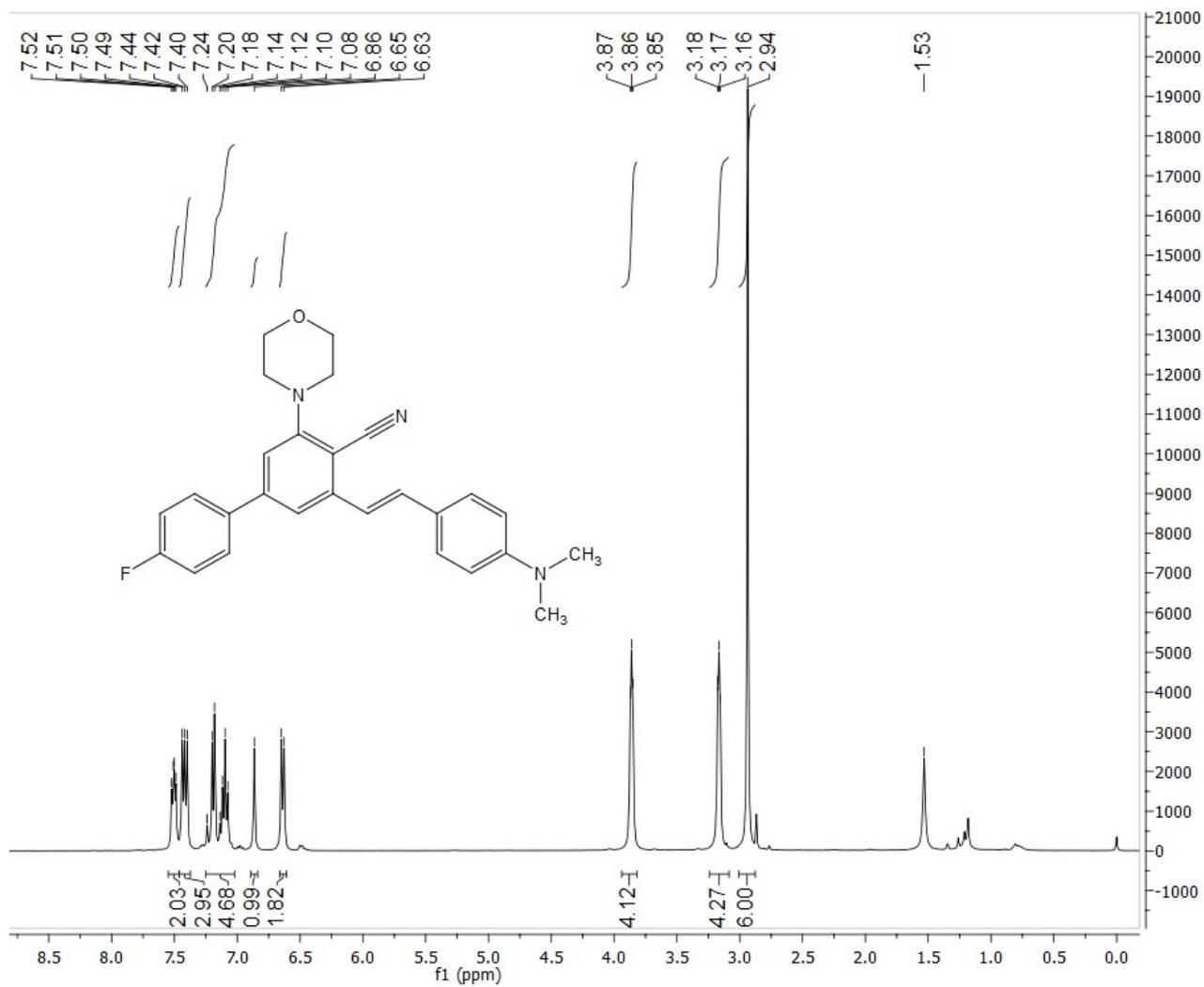
(E)-3-(4-(dimethylamino)styryl)-4'-fluoro-5(4-phenylpiperazin-1-yl)-[1,1'-biphenyl]-4-carbonitrile (17i)



(E)-3-(4-(dimethylamino)styryl)-4'-fluoro-5(4-phenylpiperazin-1-yl)-[1,1'-biphenyl]-4-carbonitrile (17i)



(E)-3-(4-(dimethylamino)styryl)-4'-fluoro-5-morpholino-[1,1'-biphenyl]-4-carbonitrile (17j)



(E)-3-(4-(dimethylamino)styryl)-4'-fluoro-5-morpholino-[1,1'-biphenyl]-4-carbonitrile (17j)

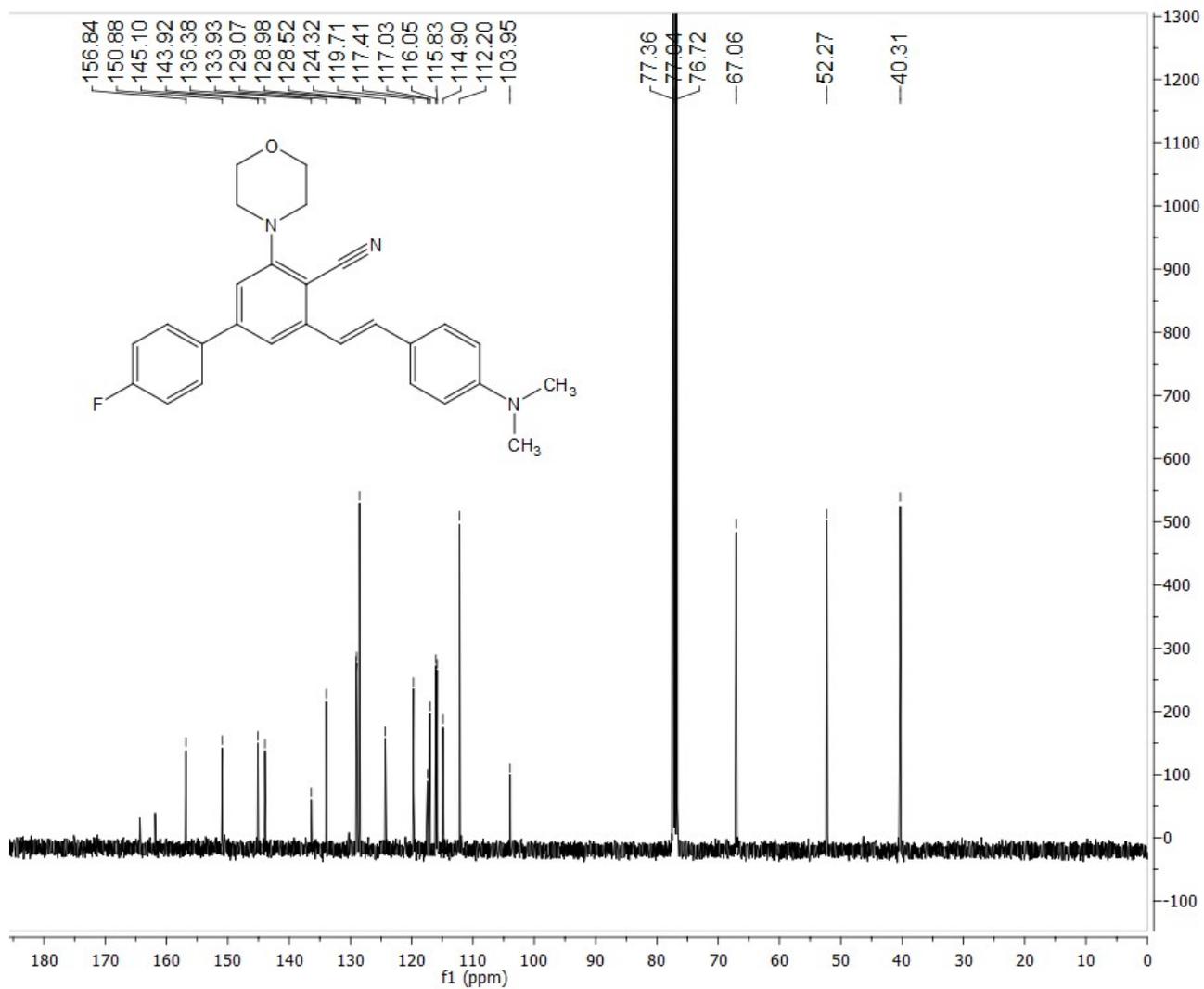


Figure 1: Tauc's plots of 17a-j

