

SUPPORTING INFORMATION

Microwave-assisted synthesis of phenylisoxazole derivatives *via* 1,3-dipolar cycloaddition

Yan Zhang,¹ Zhiwu Long,¹ Yi Le,^{1,2} Li Liu,^{1,2} Longjia Yan^{1,2,*}

¹ School of Pharmaceutical Sciences, Guizhou University, Guiyang 550025, China

² Guizhou Engineering Laboratory for Synthetic Drugs, Guizhou University, Guiyang 550025, China

E-mail: ylj1089@163.com

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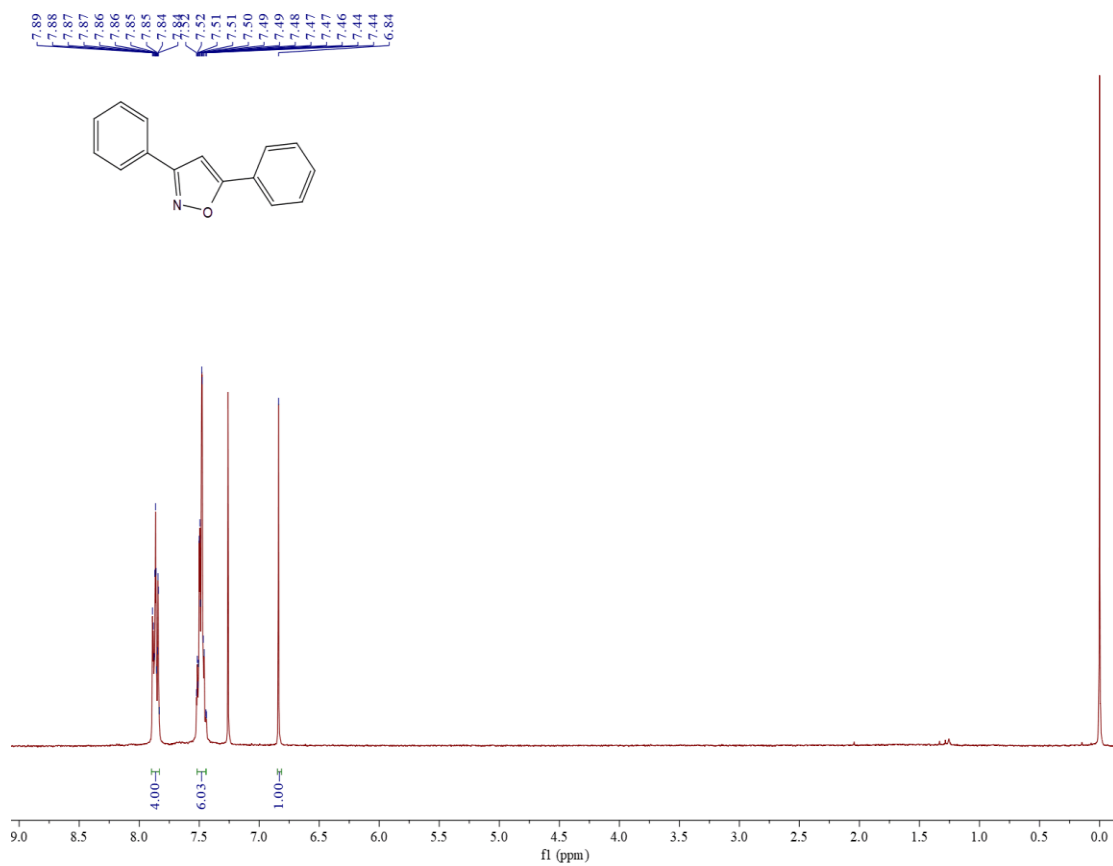


Figure S1 ¹H NMR spectrum of compound 3a

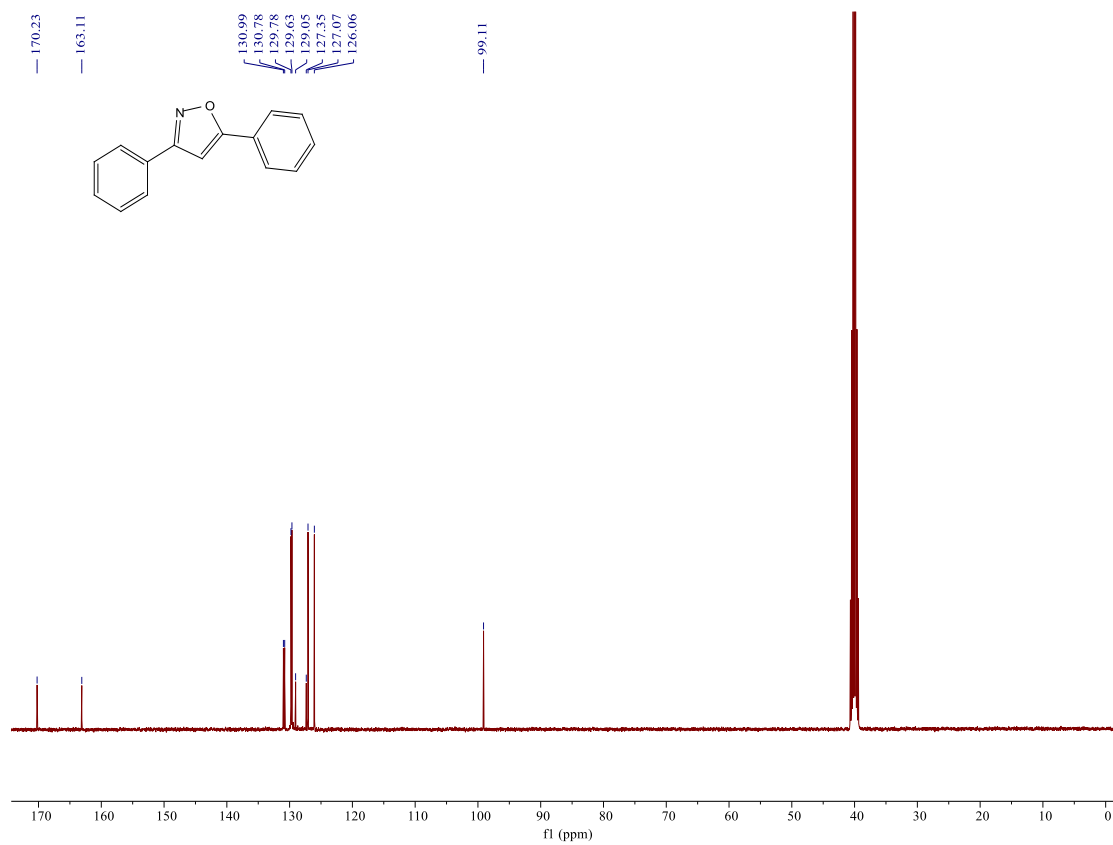


Figure S2 ¹³C NMR spectrum of compound 3a

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Item description:

Channel name: 1: Average Time 0.1174 min : TOF MS (50-1500) ESI+ : Centroided : Combined

2.58e7

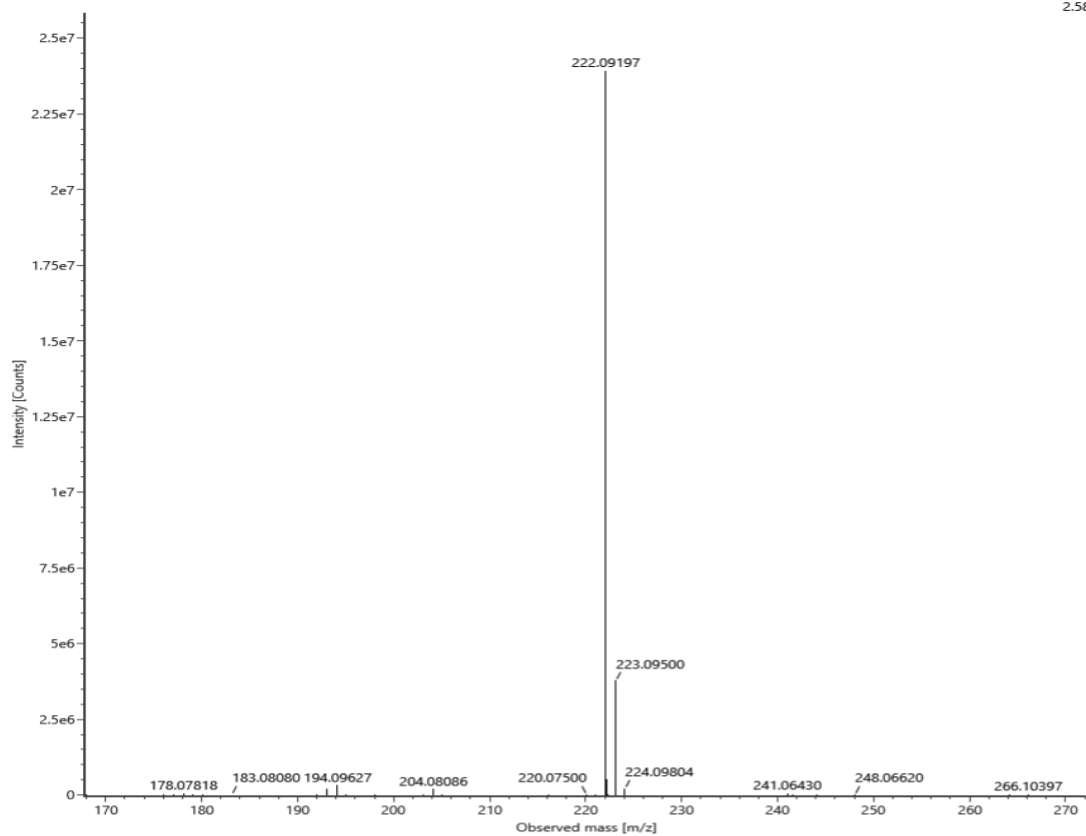


Figure S3 HRMS spectrum of compound 3a

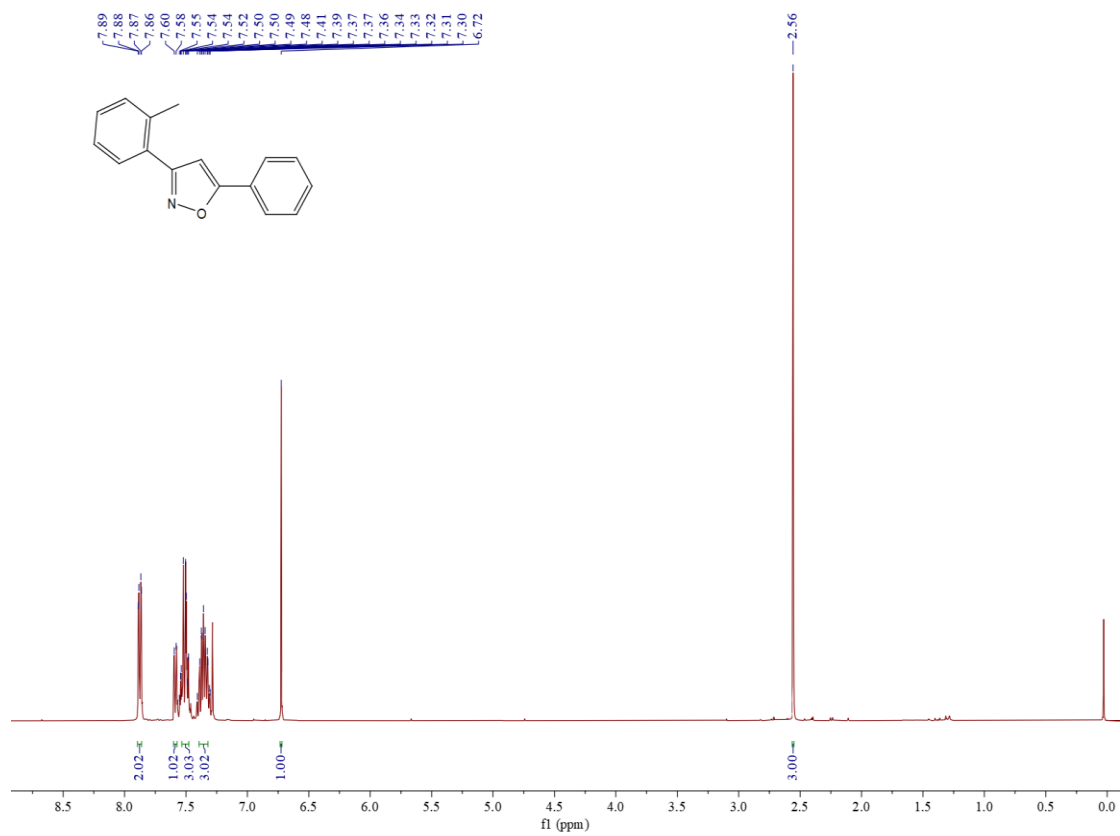


Figure S4 ¹H NMR spectrum of compound 3b

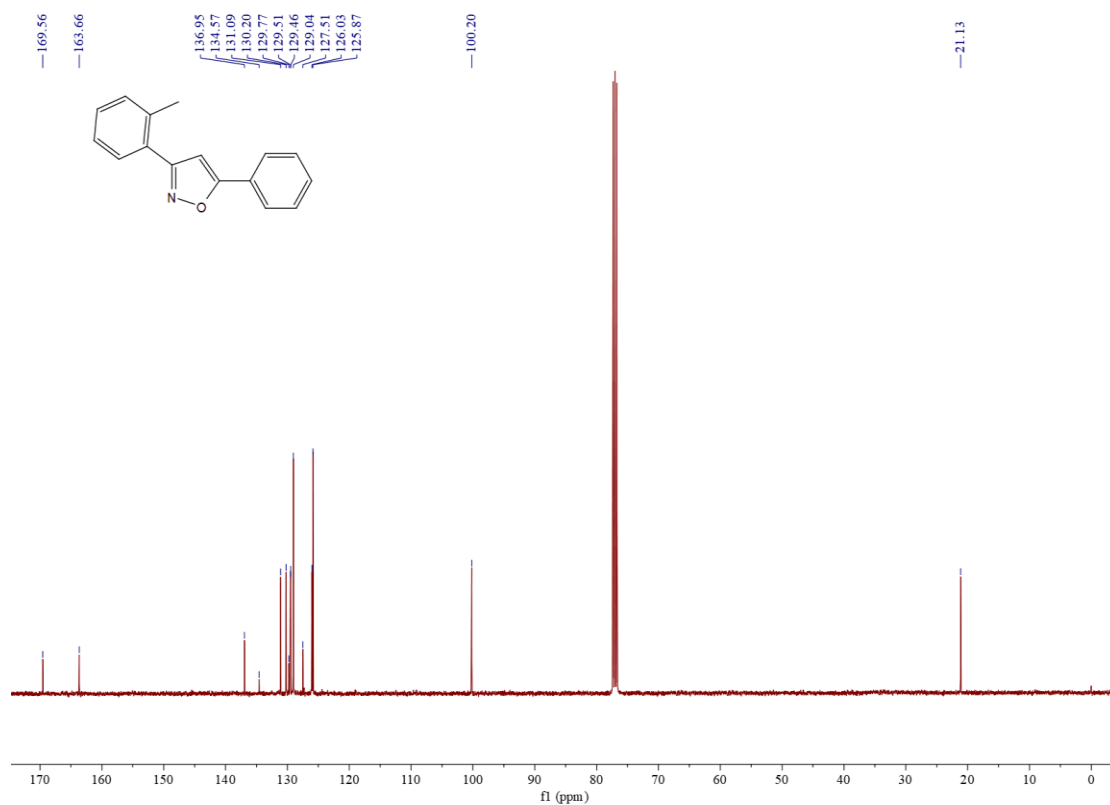


Figure S5 ¹³C NMR spectrum of compound **3b**

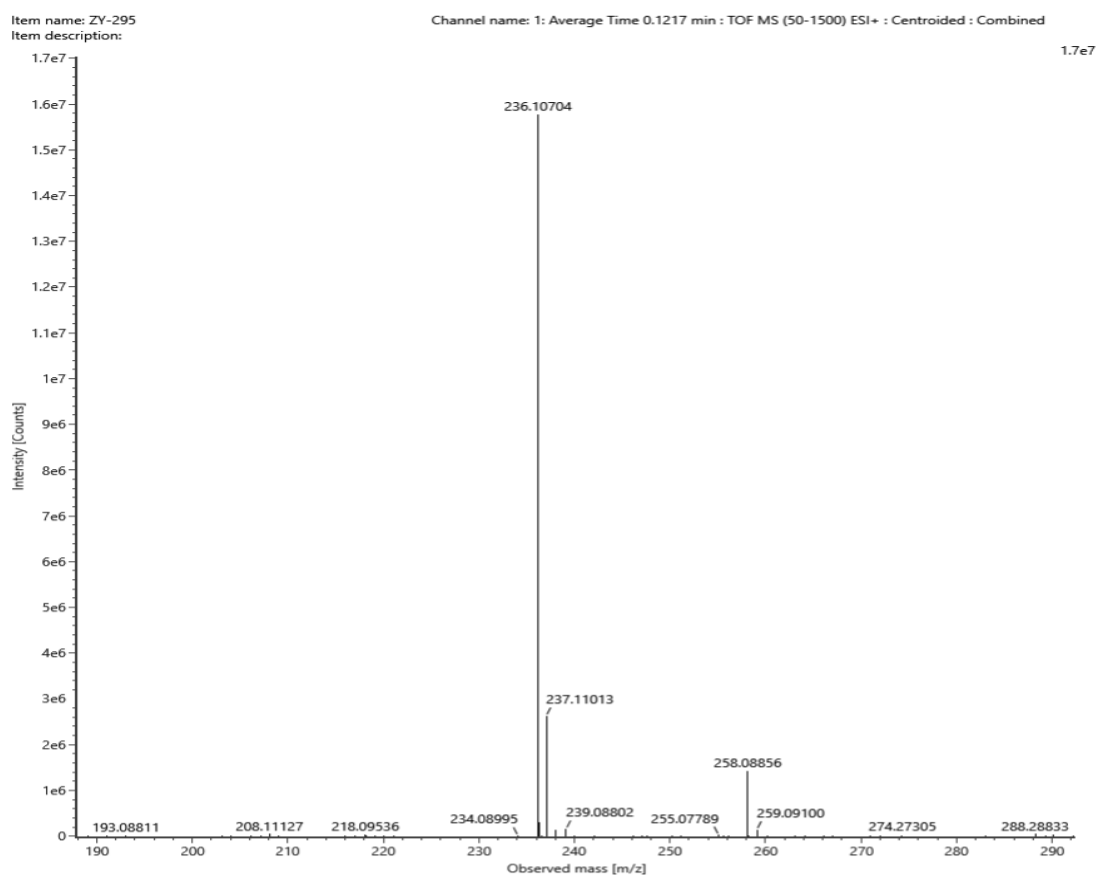


Figure S6 HRMS spectrum of compound **3b**

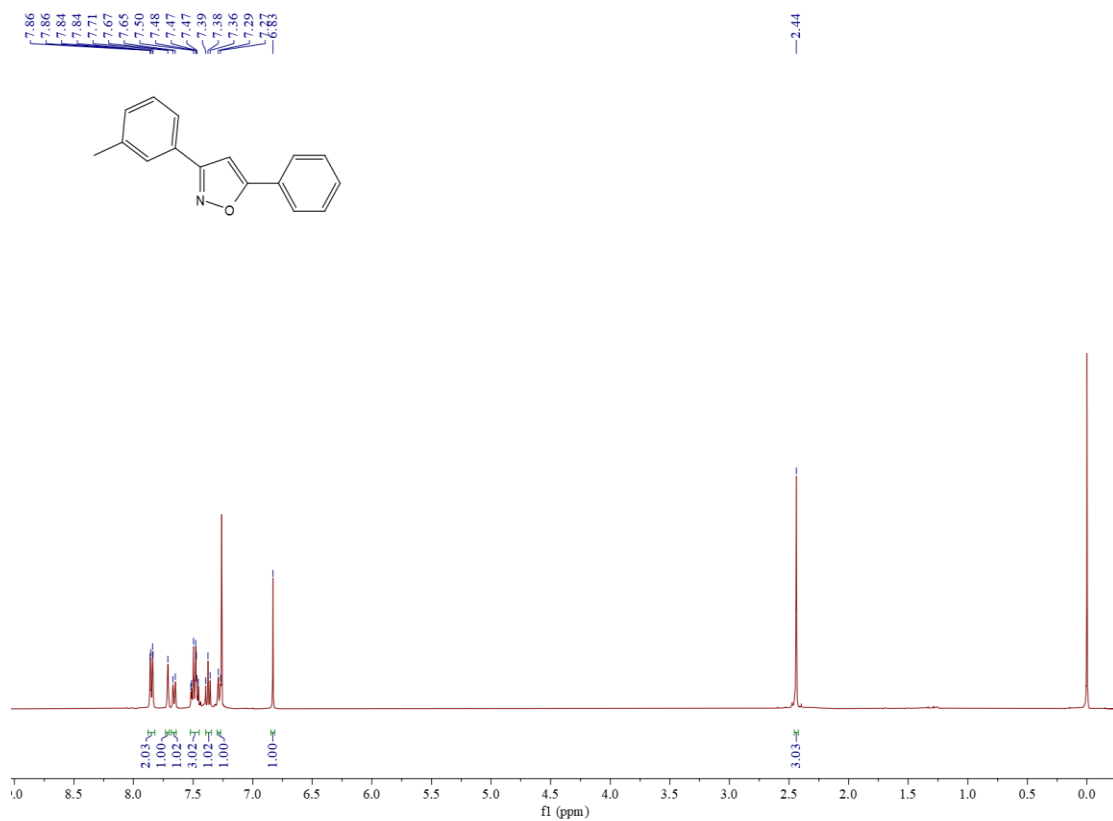


Figure S7 ¹H NMR spectrum of compound 3c

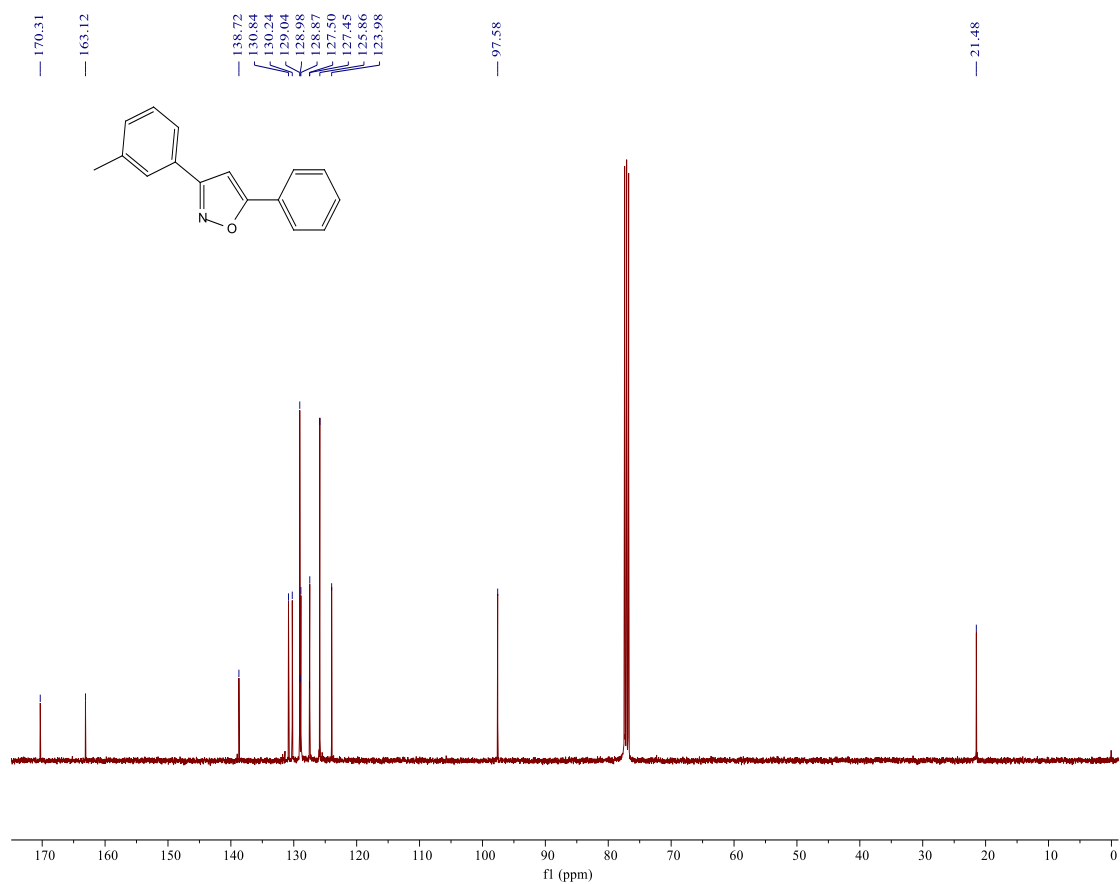


Figure S8 ¹³C NMR spectrum of compound 3c

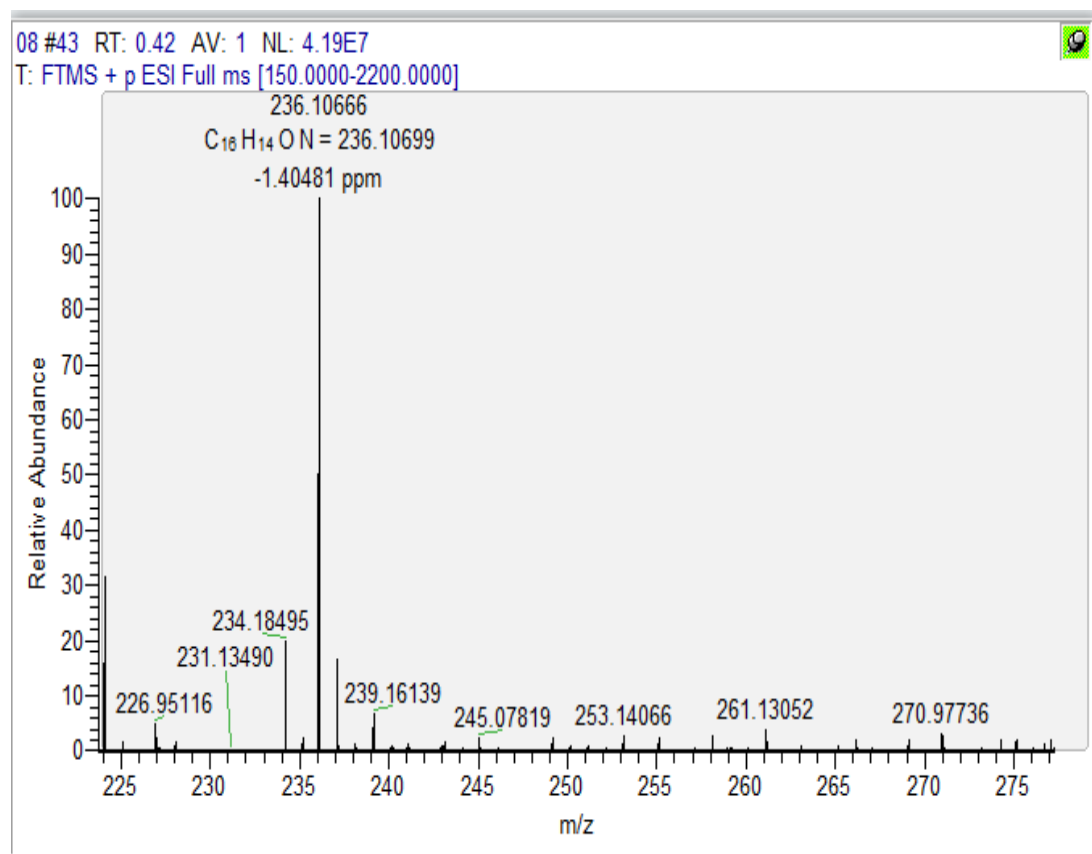


Figure S9 HRMS spectrum of compound **3c**

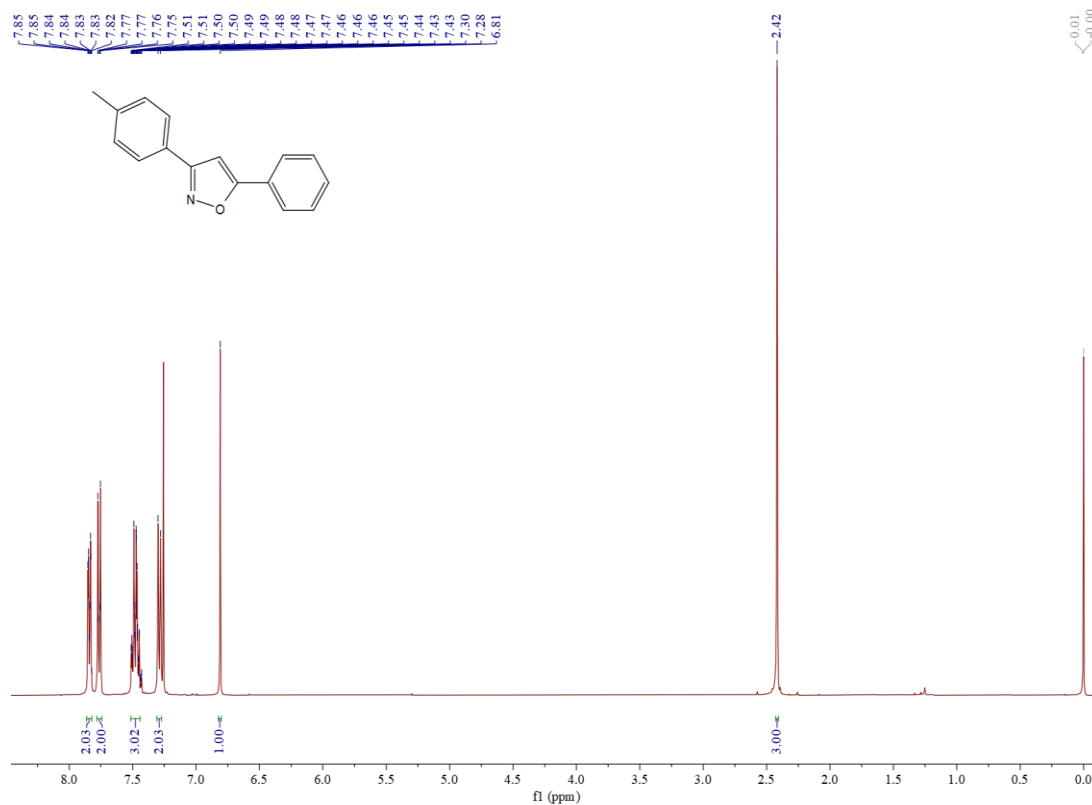


Figure S10 1H NMR spectrum of compound **3d**

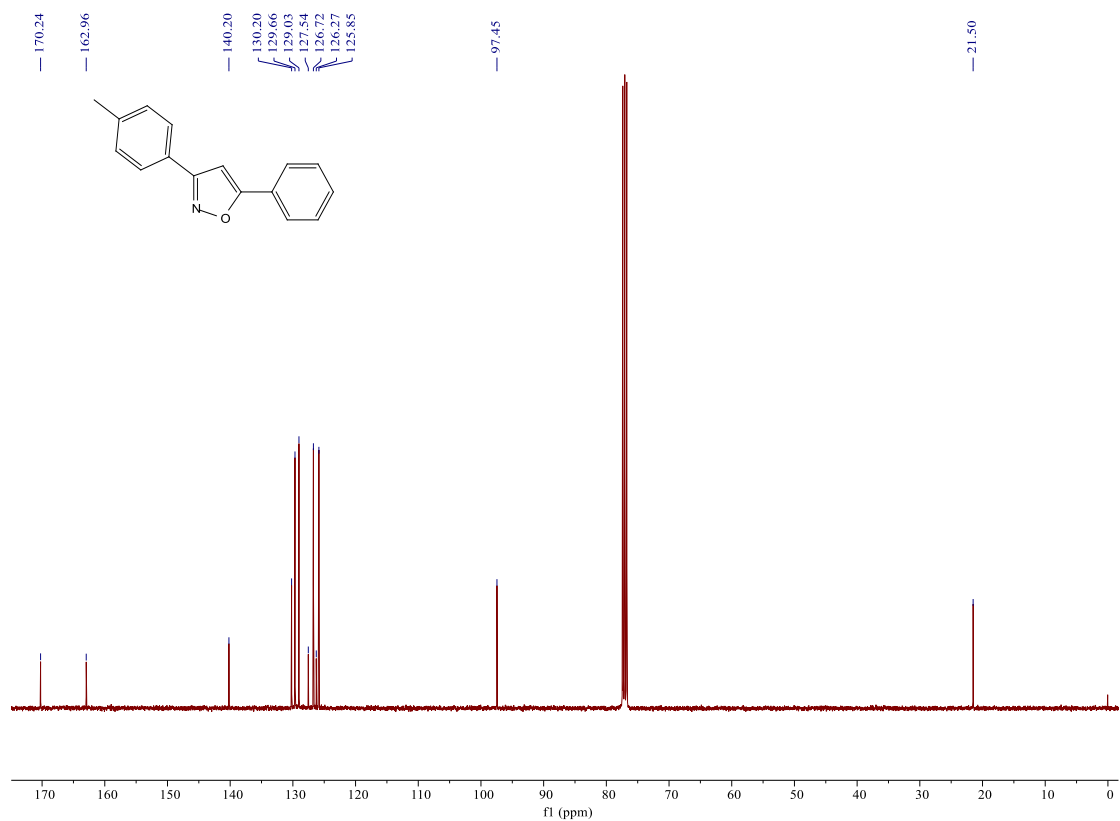


Figure S11 ¹³C NMR spectrum of compound **3d**

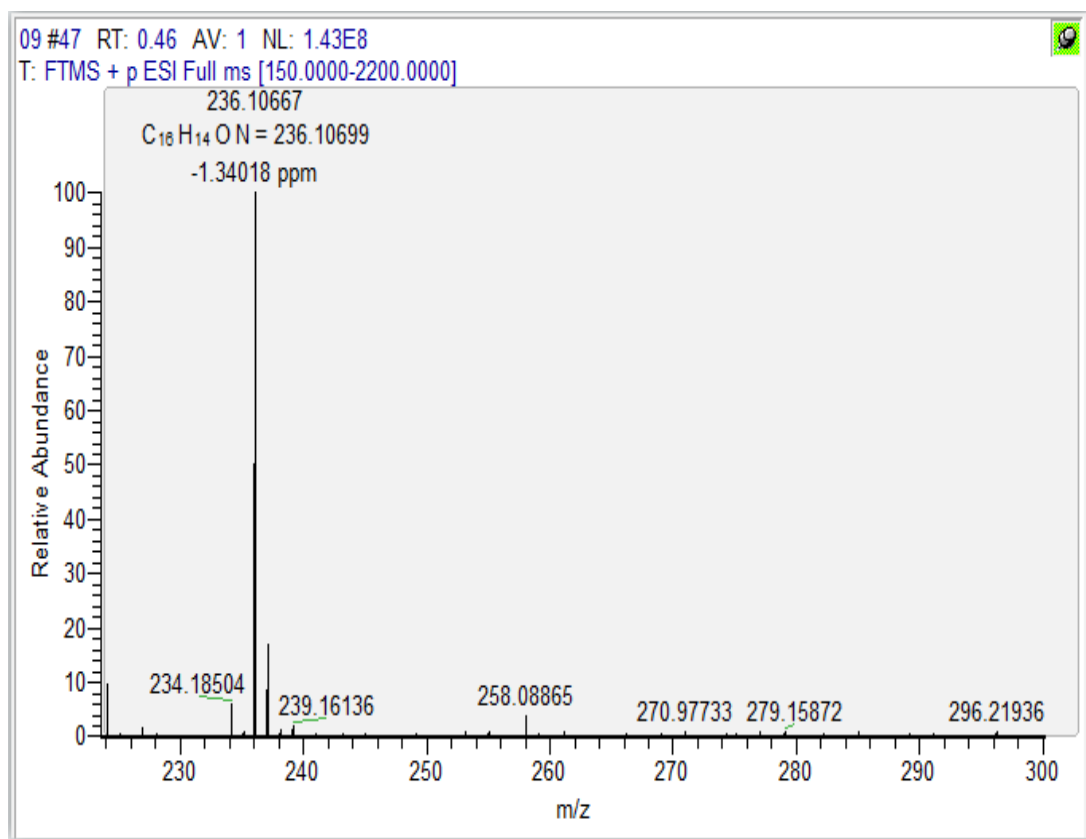


Figure S12 HRMS spectrum of compound **3d**

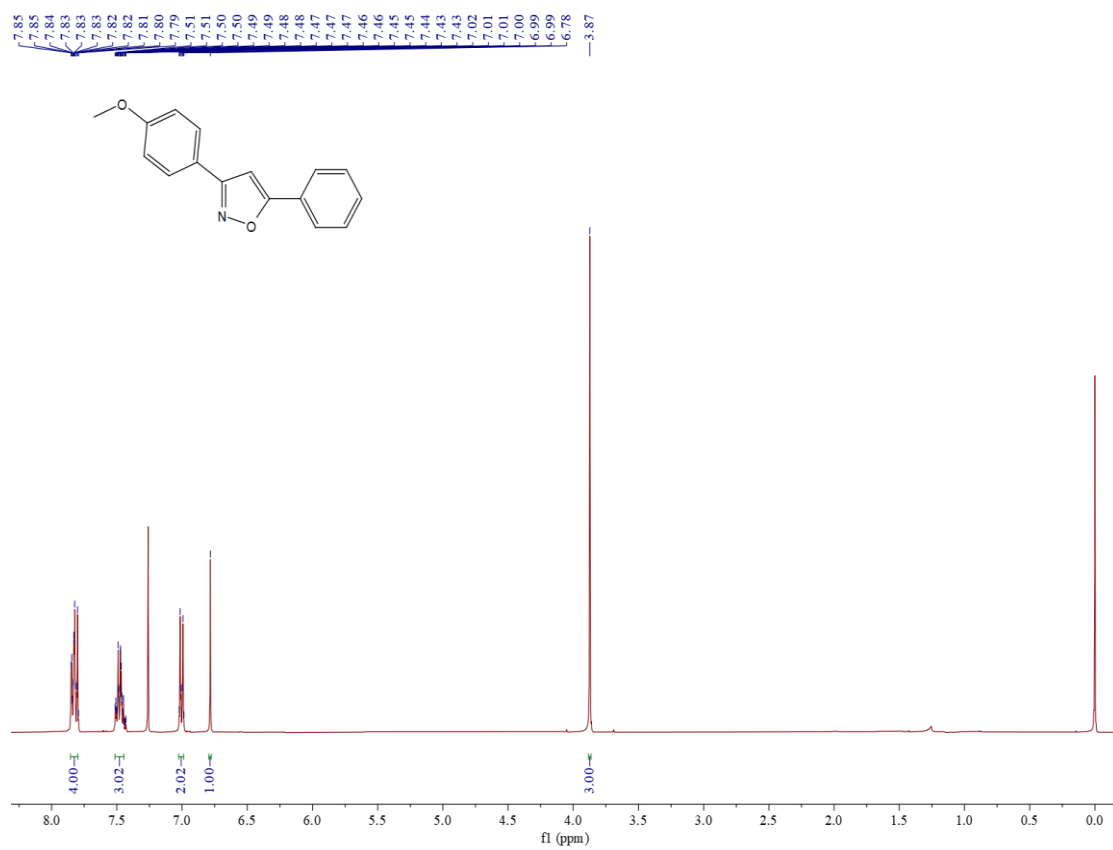


Figure S13 ¹H NMR spectrum of compound 3e

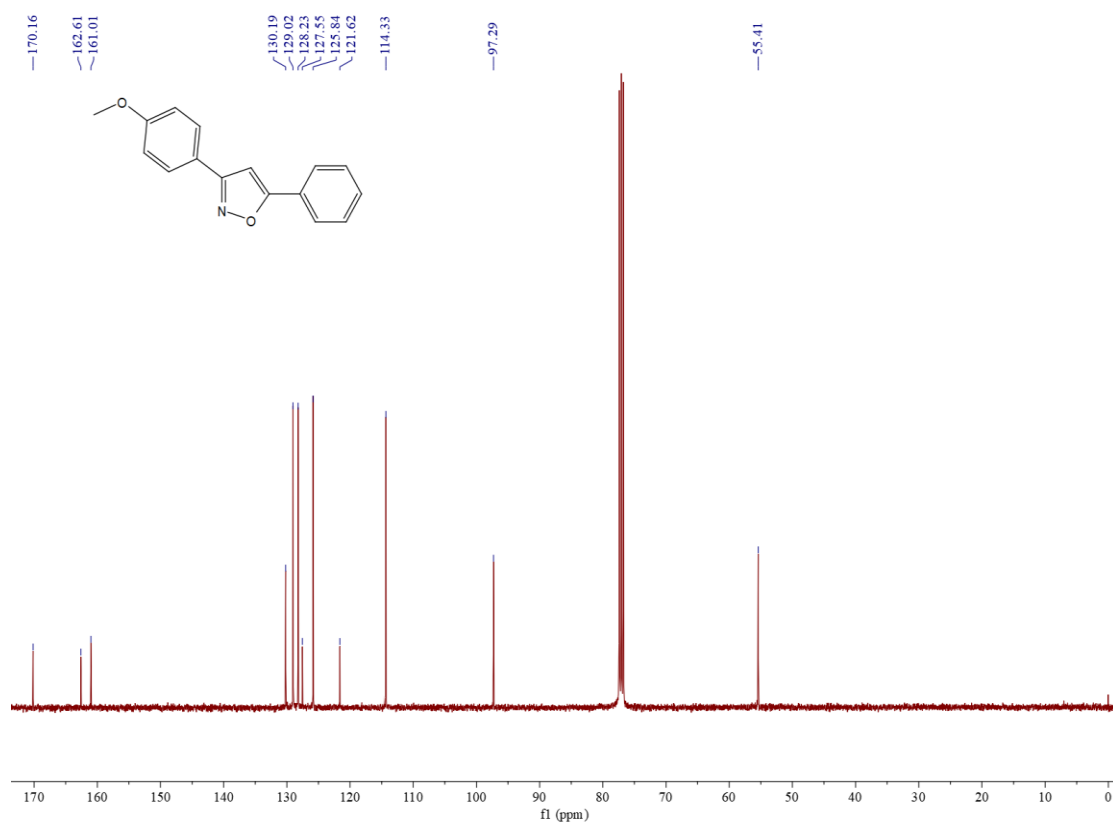


Figure S14 ¹³C NMR spectrum of compound 3e

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Item description:

Channel name: 1: Average Time 0.1217 min : TOF MS (50-1500) ESI+ : Centroided : Combined

1.53e7

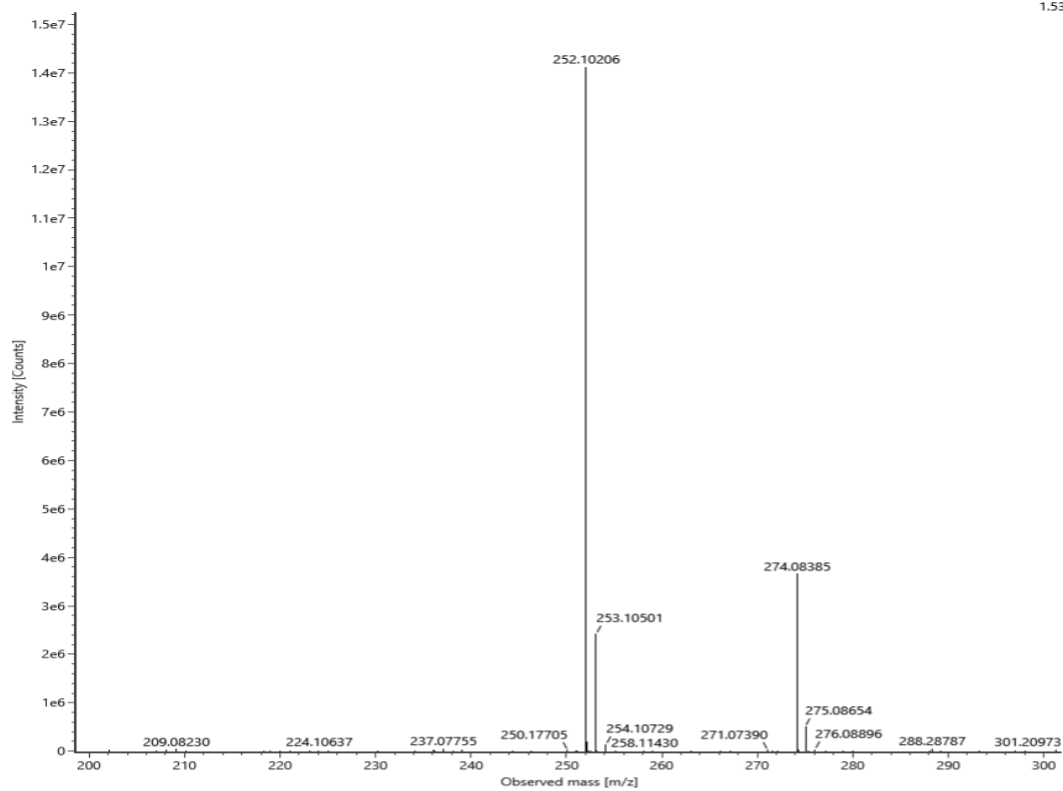


Figure S15 HRMS spectrum of compound 3e

7.87
7.87
7.87
7.86
7.85
7.85
7.85
7.84
7.84
7.83
7.83
7.82
7.78
7.77
7.77
7.76
7.76
7.75
7.75
7.75
7.53
7.52
7.52
7.51
7.51
7.50
7.50
7.50
7.49
7.49
7.48
7.48
7.47
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7.44
7.44
7.43
7.43
7.40
7.40
6.82

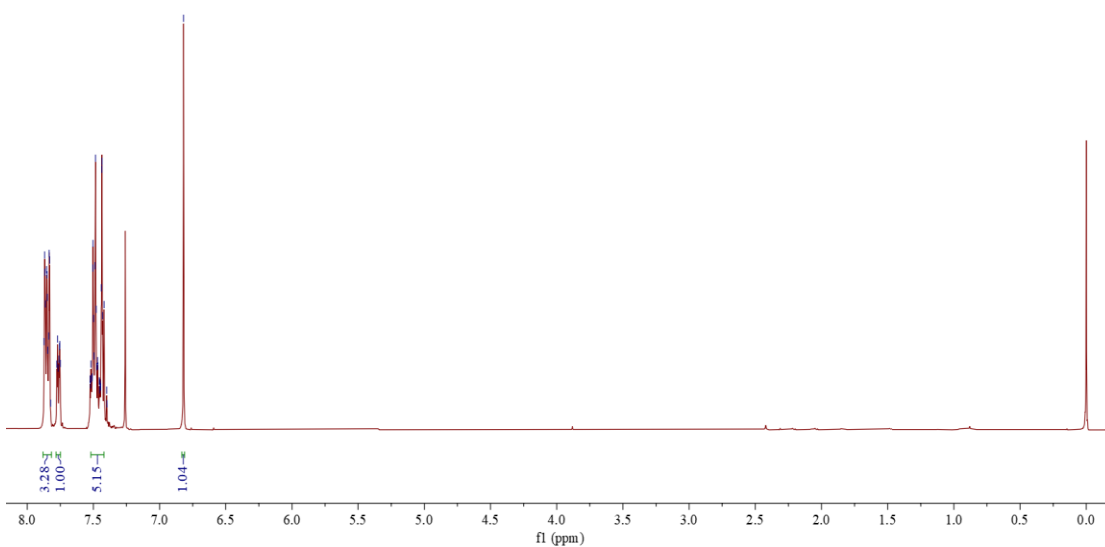
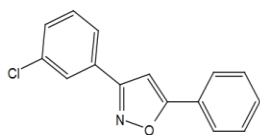


Figure S16 ¹H NMR spectrum of compound 3f

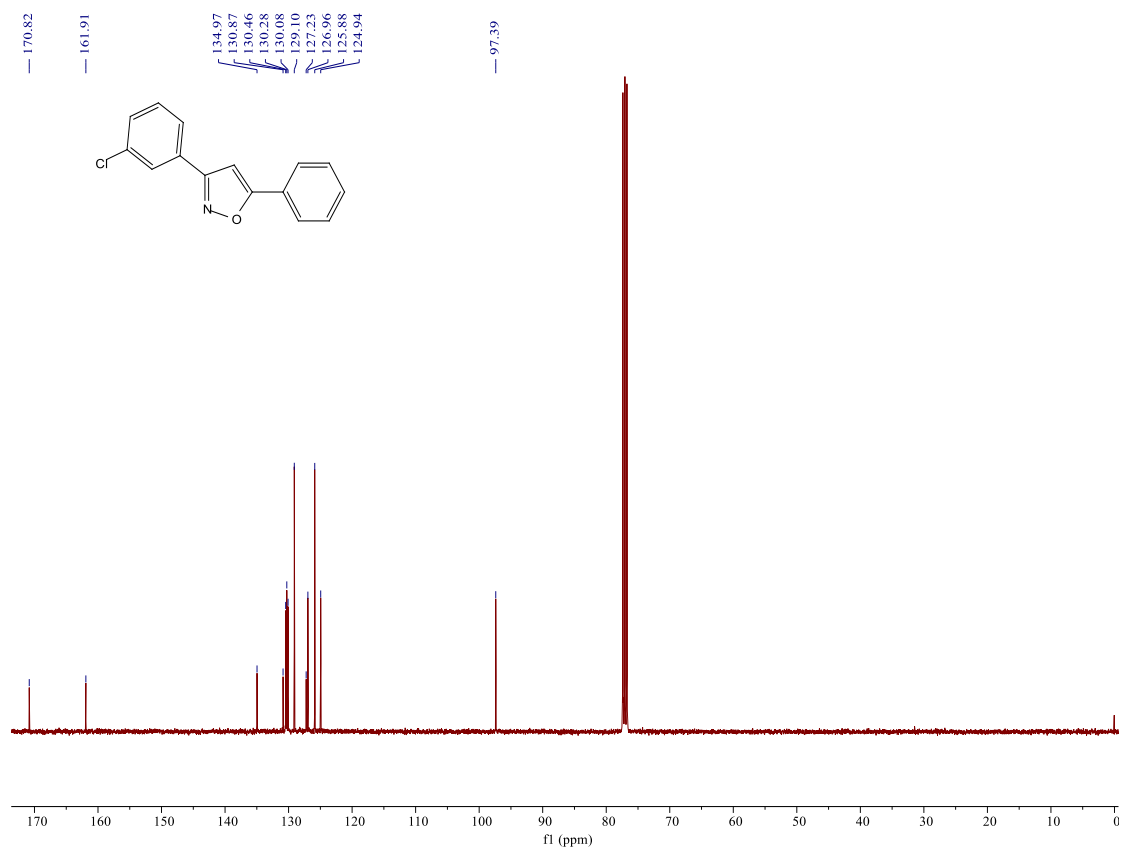


Figure S17 ¹³C NMR spectrum of compound **3f**

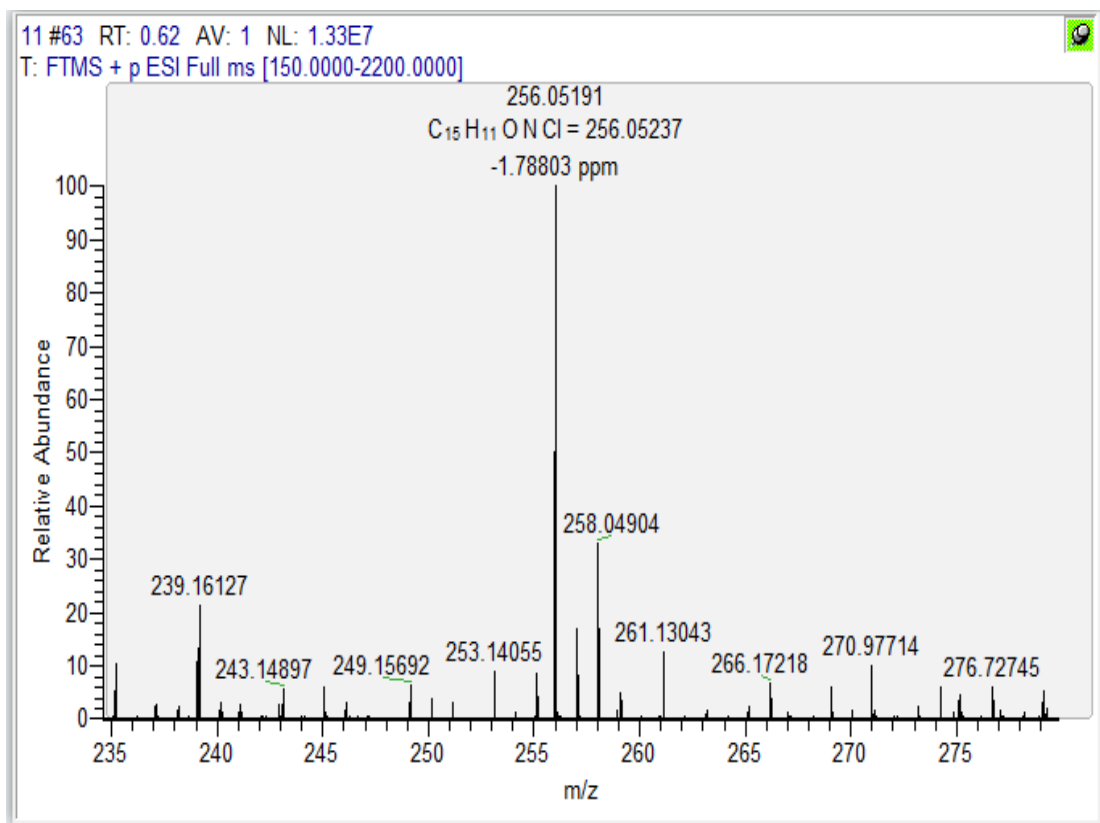


Figure S18 HRMS spectrum of compound **3f**

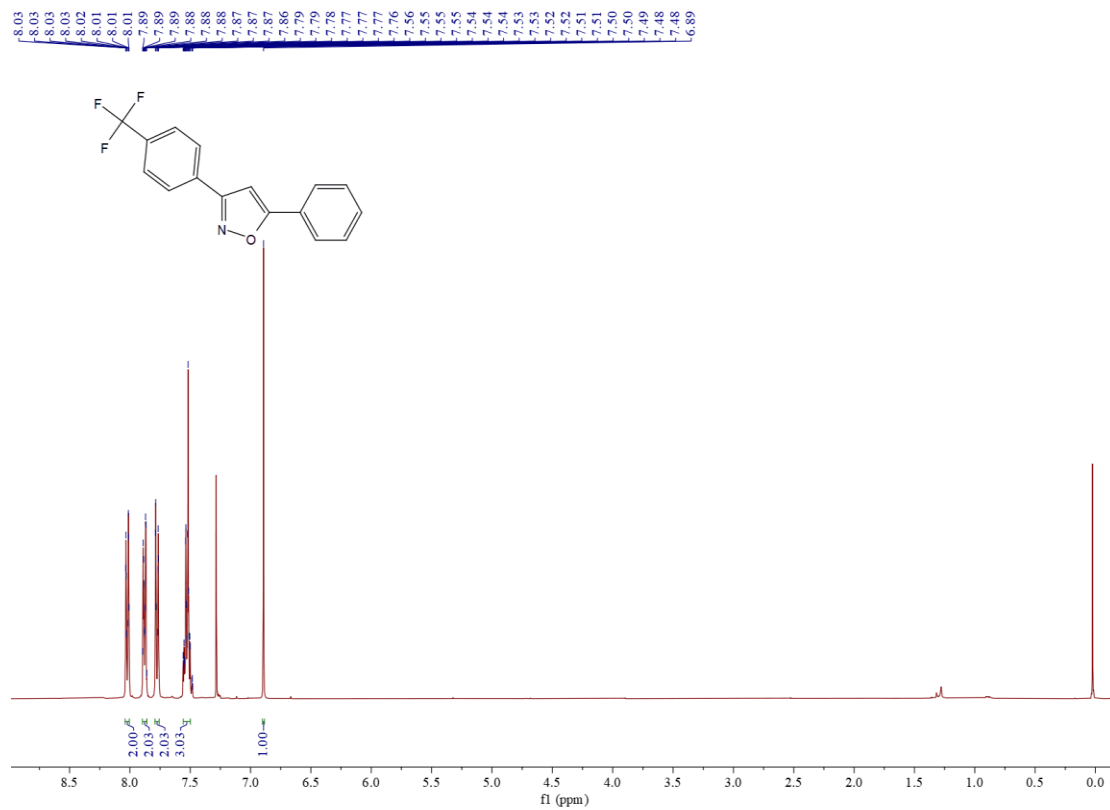


Figure S19 ¹H NMR spectrum of compound 3g

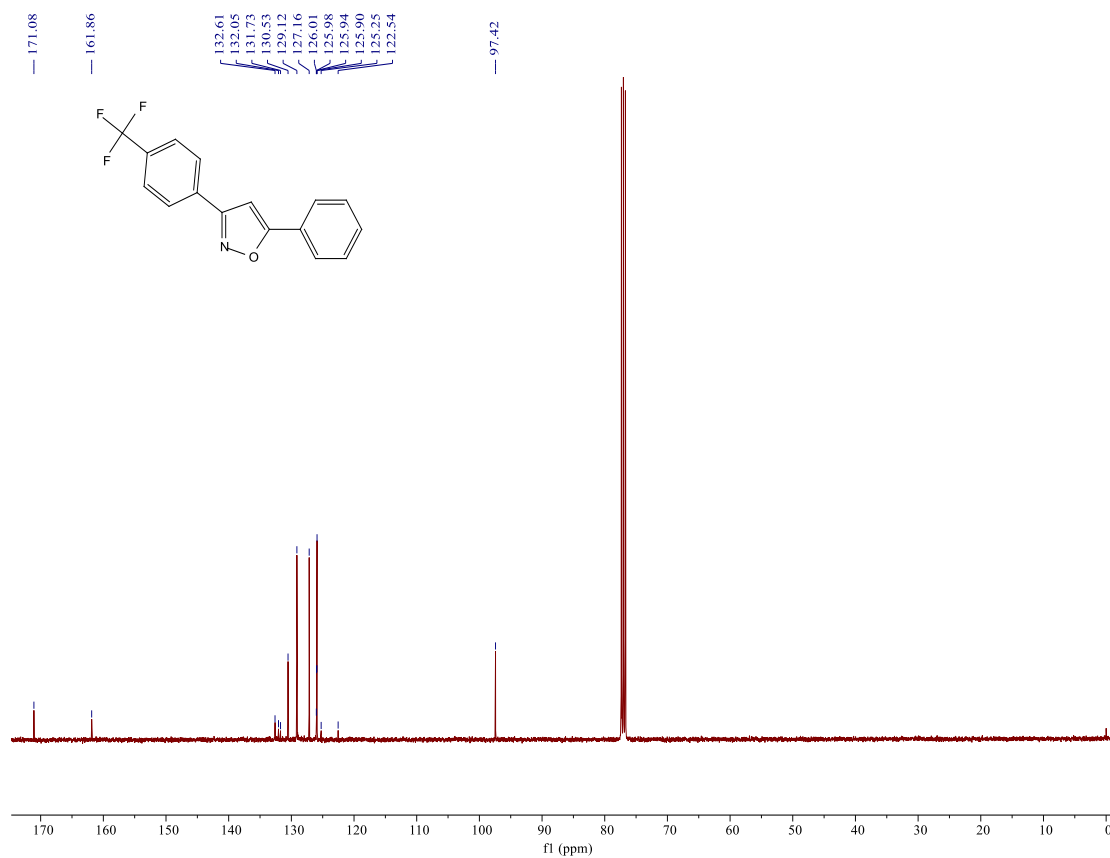


Figure S20 ¹³C NMR spectrum of compound 3g

Item name: ZY-291
Item description:

Channel name: 1: Average Time 0.1131 min : TOF MS (50-1500) ESI+ : Centroided : Combined

4.98e6

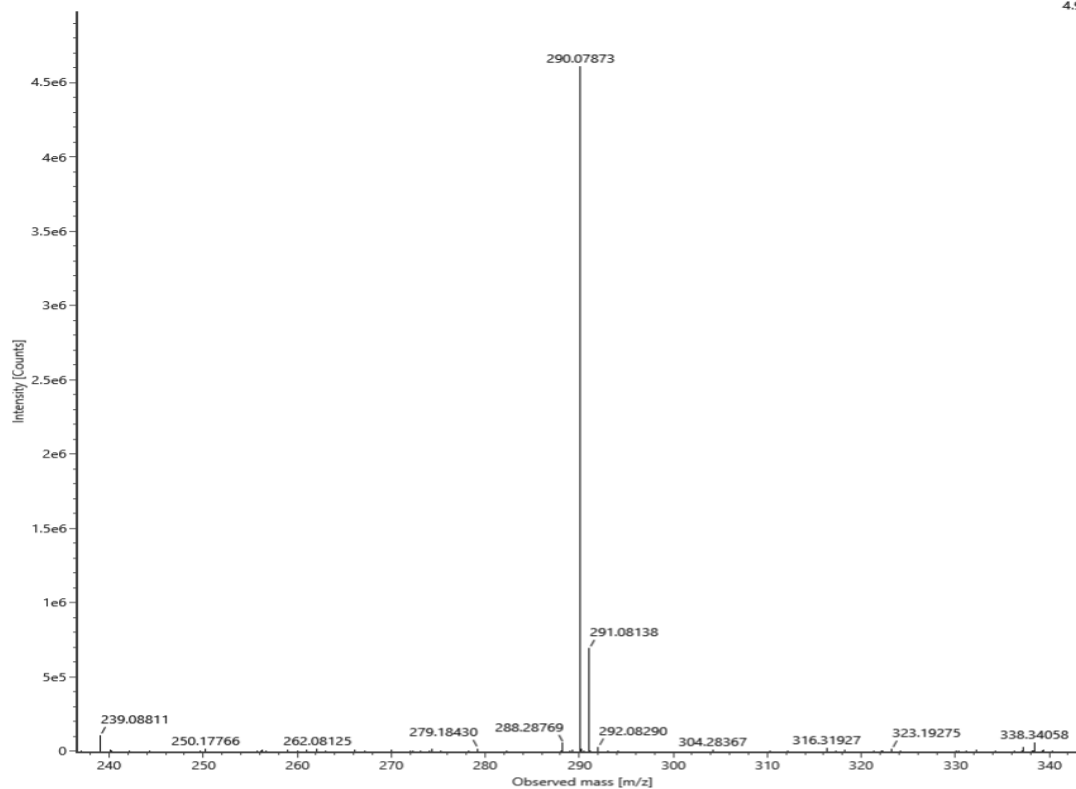


Figure S21 HRMS spectrum of compound 3g

7.89
7.88
7.88
7.87
7.87
7.86
7.60
7.59
7.58
7.58
7.57
7.57
7.56
7.56
7.56
7.55
7.55
7.54
7.54
7.53
7.53
7.52
7.51
7.51
7.50
7.50
7.31
6.97
6.97
6.96
6.96
6.95
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6.65
6.65
6.22
6.21
6.21
6.20
6.20

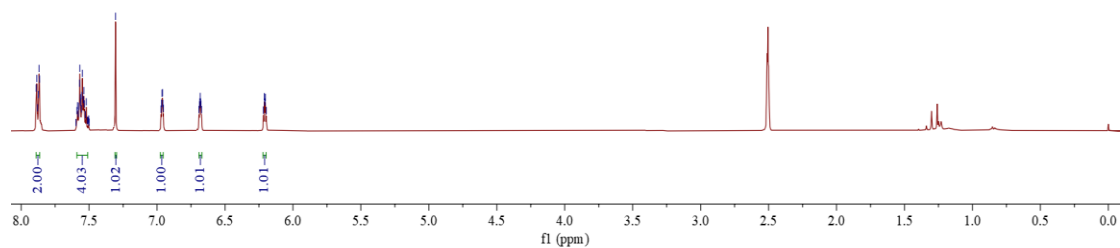
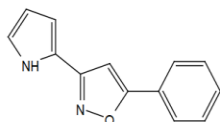


Figure S22 ¹H NMR spectrum of compound 3h

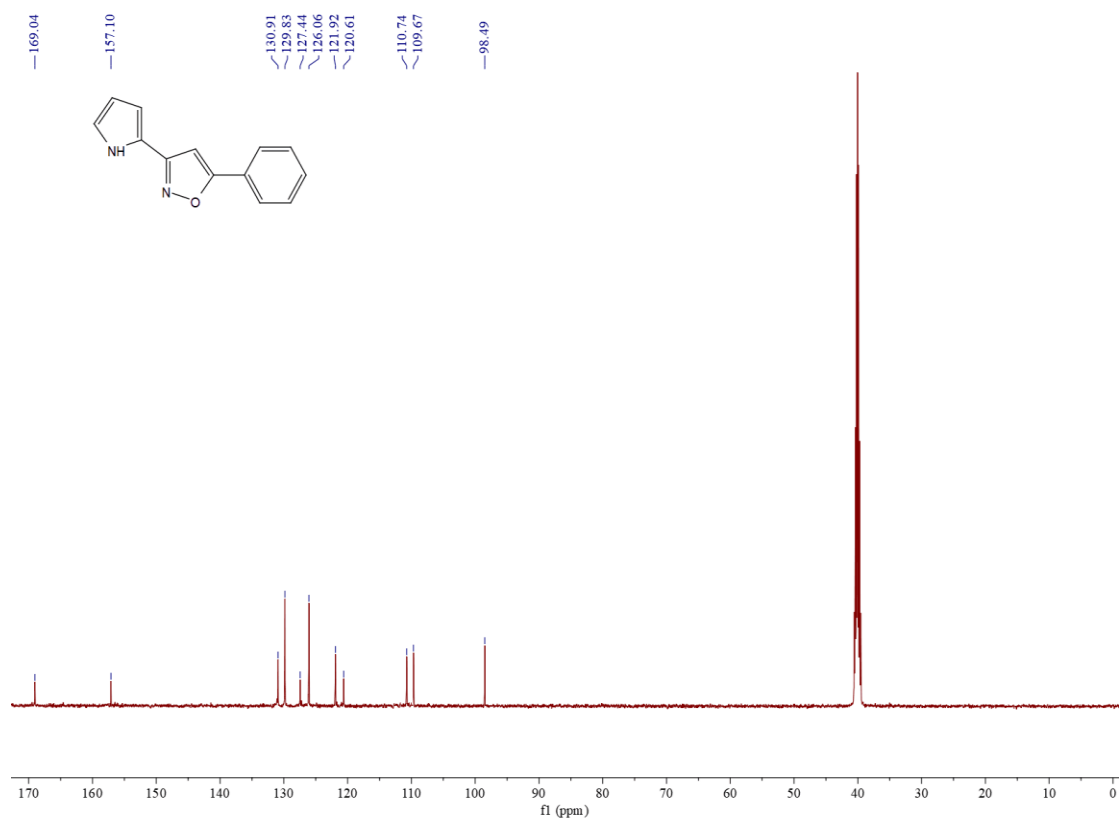


Figure S23 ¹³C NMR spectrum of compound **3h**

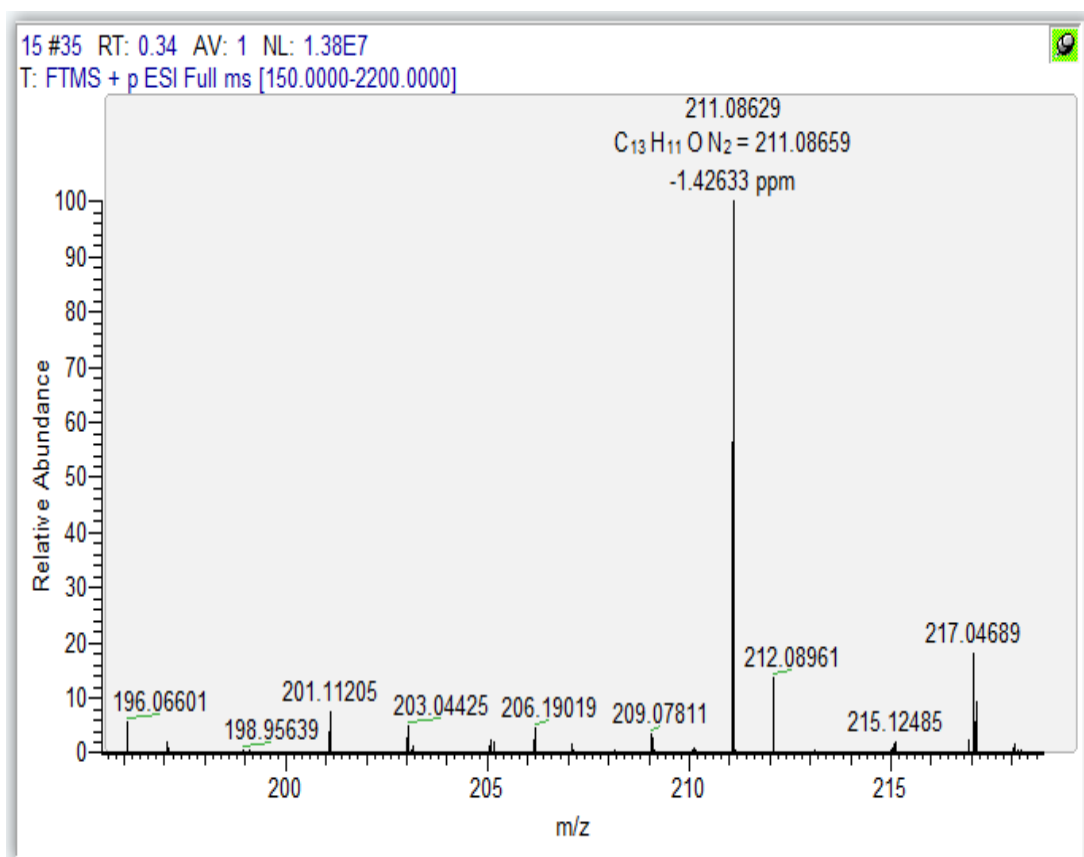


Figure S24 HRMS spectrum of compound **3h**

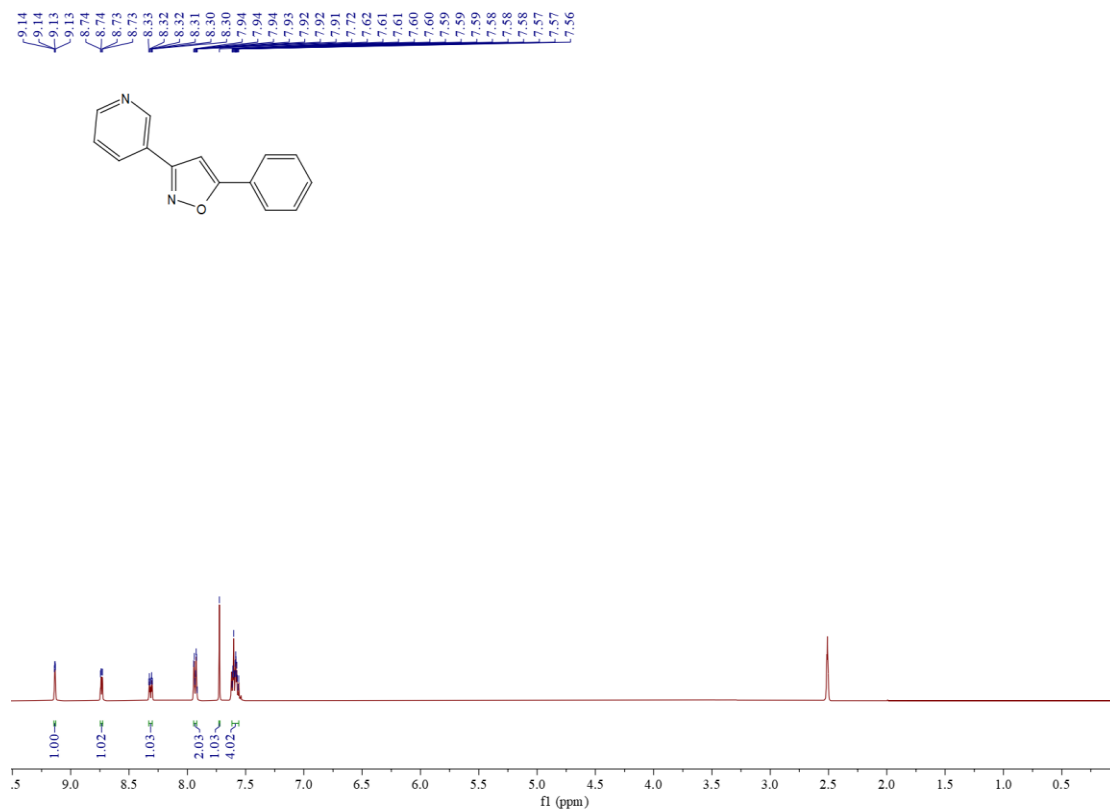


Figure S25 ¹H NMR spectrum of compound 3i

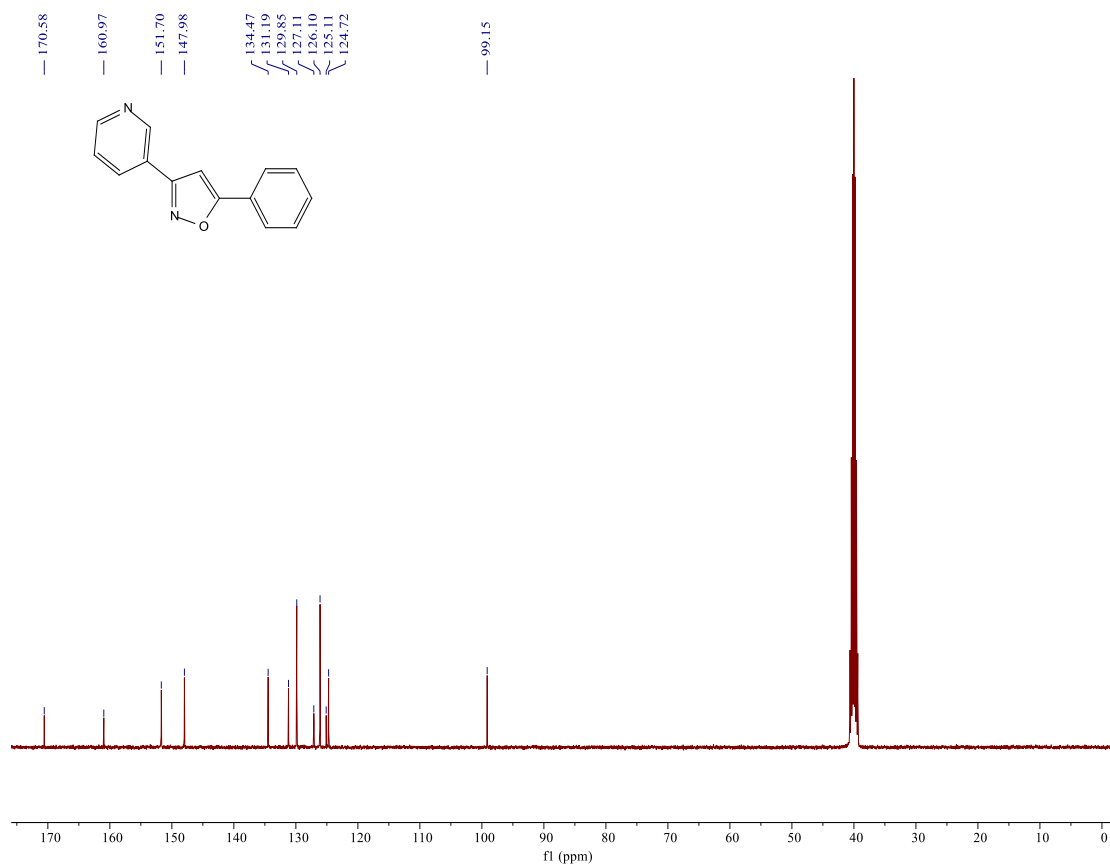


Figure S26 ¹³C NMR spectrum of compound 3i

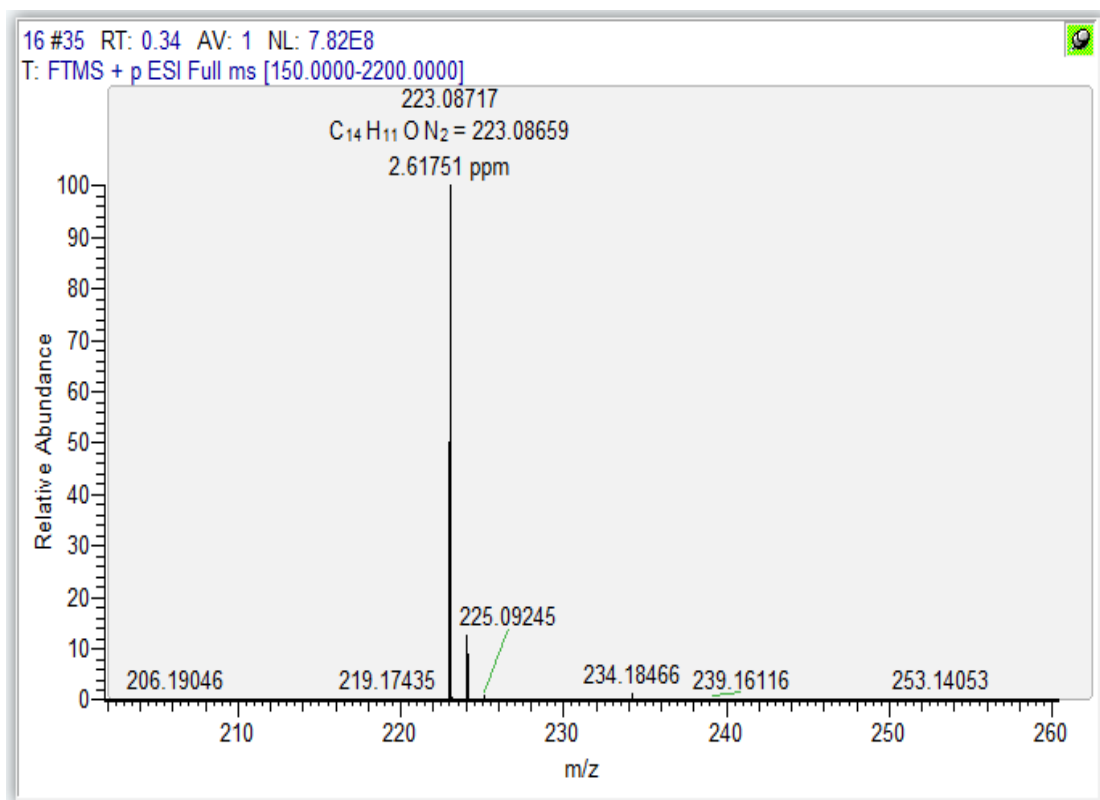


Figure S27 HRMS spectrum of compound **3i**

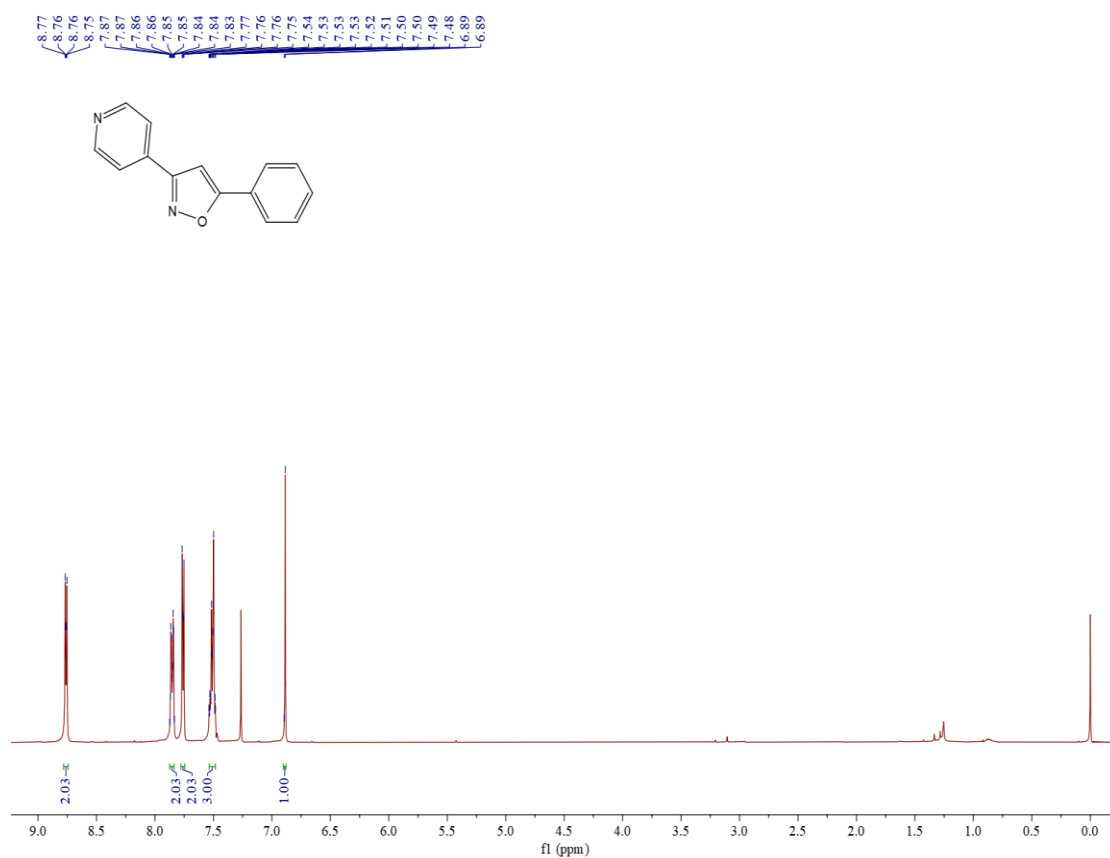


Figure S28 1H NMR spectrum of compound **3j**

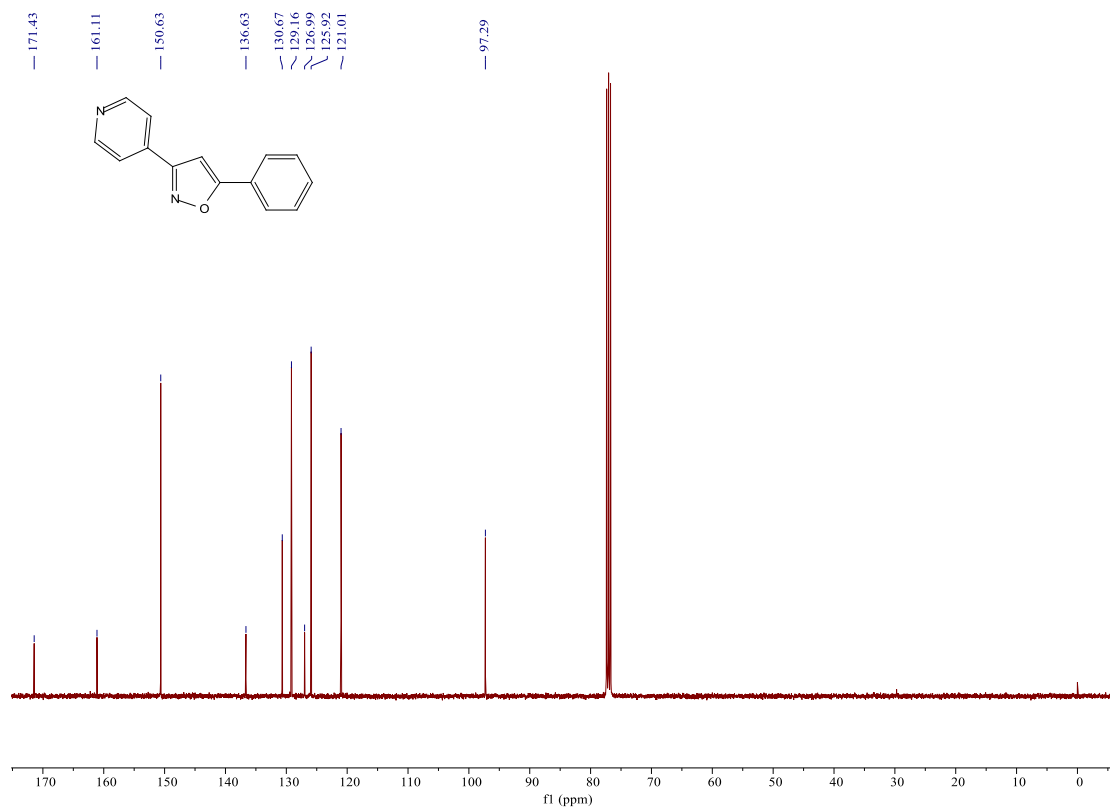


Figure S29 ¹³C NMR spectrum of compound 3j

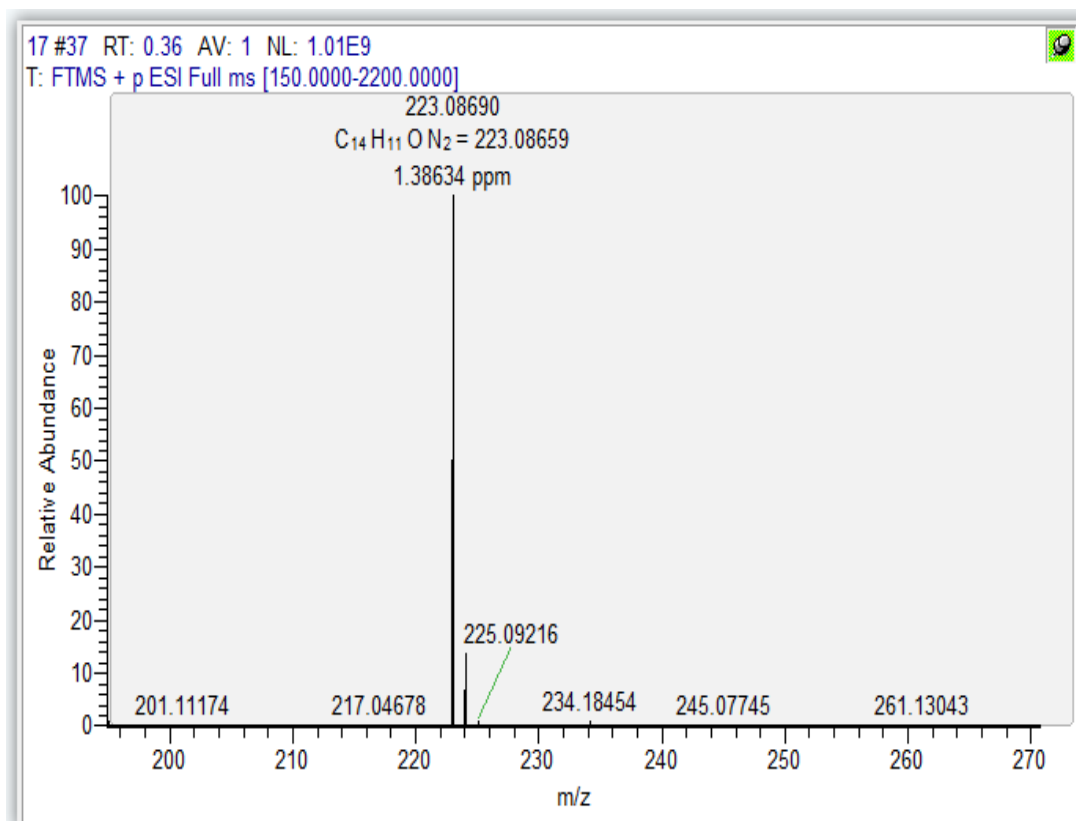


Figure S30 HRMS spectrum of compound 3j

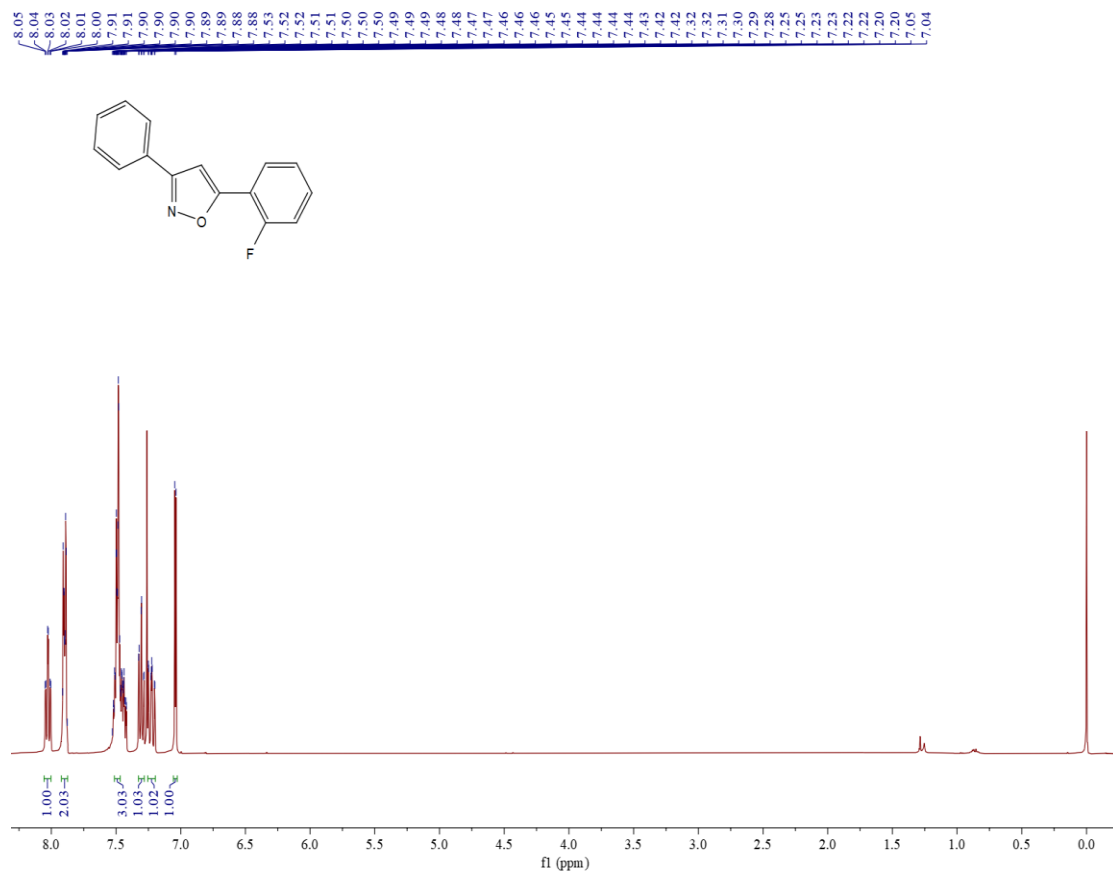


Figure S31 ^1H NMR spectrum of compound **3k**

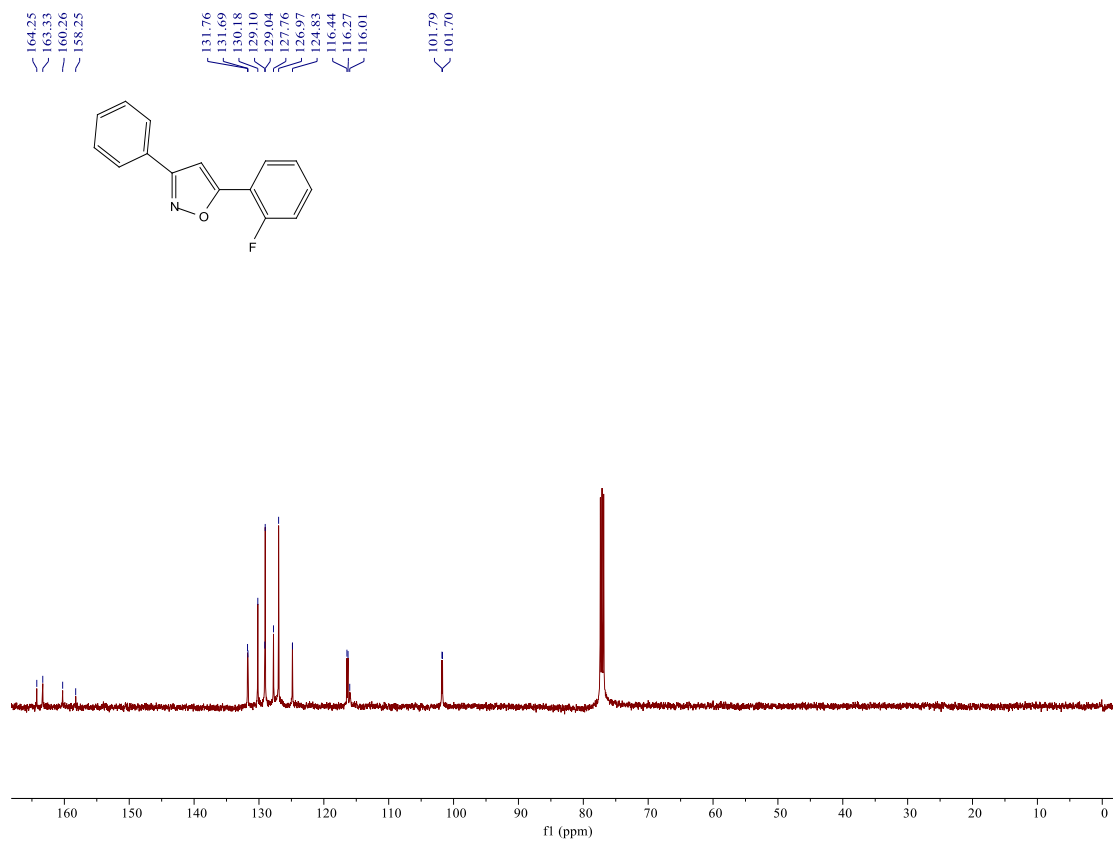


Figure S32 ^{13}C NMR spectrum of compound **3k**

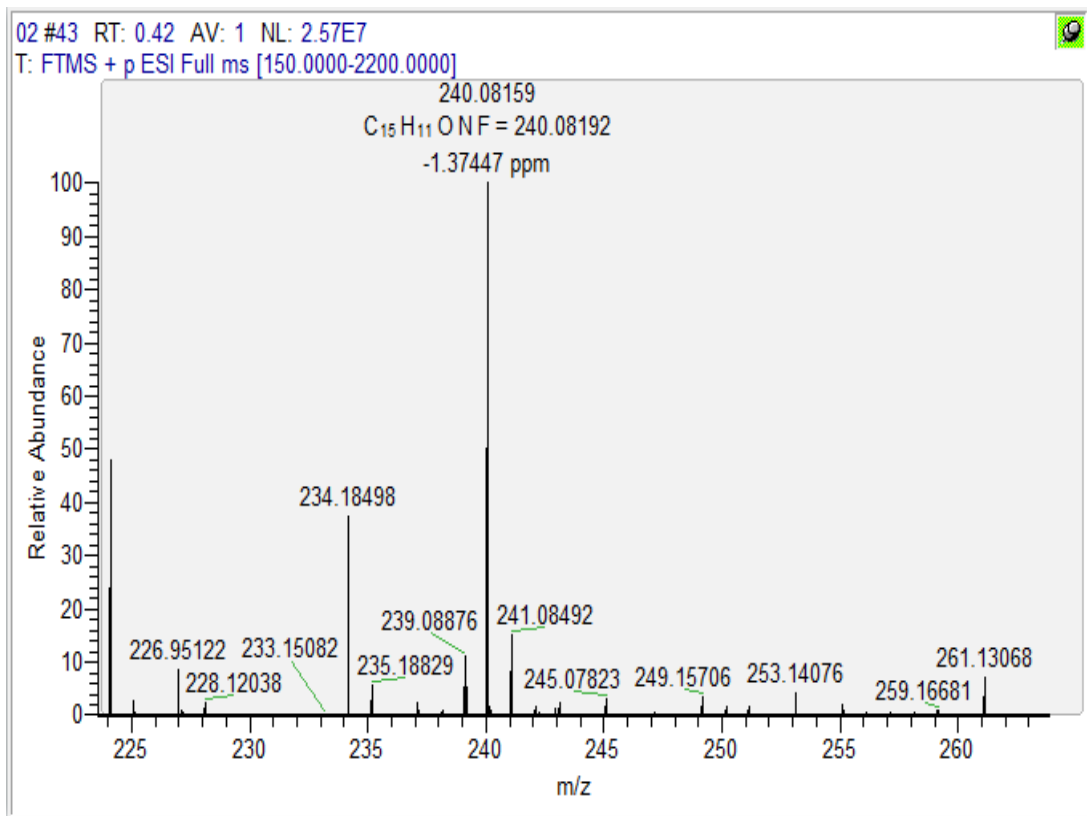


Figure S33 HRMS spectrum of compound **3k**

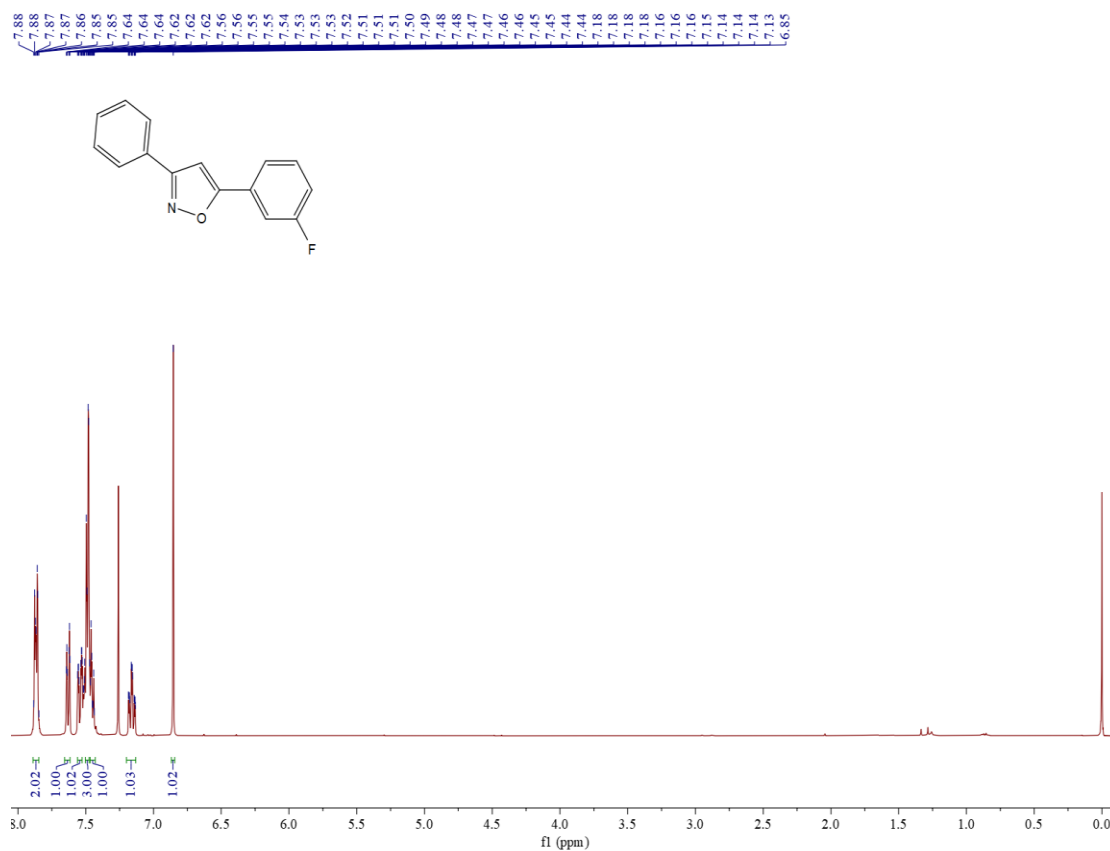


Figure S34 1H NMR spectrum of compound **3l**

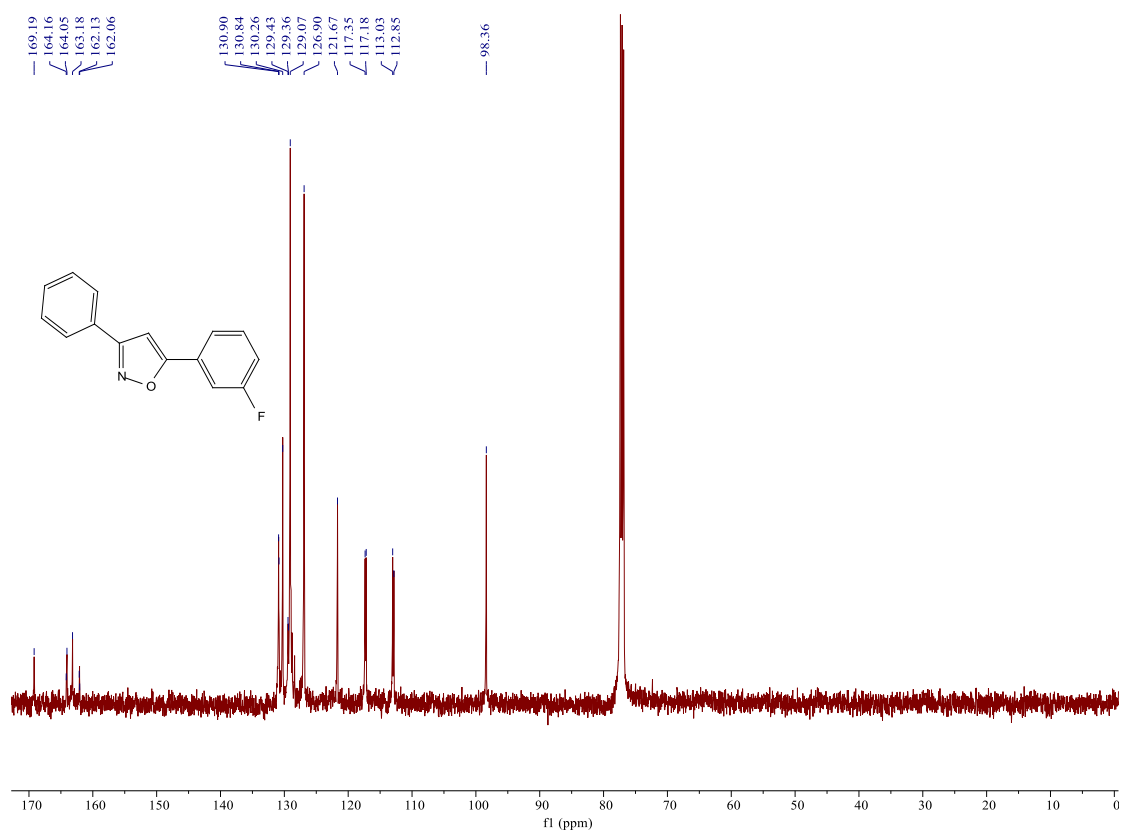


Figure S35 ¹³C NMR spectrum of compound 31

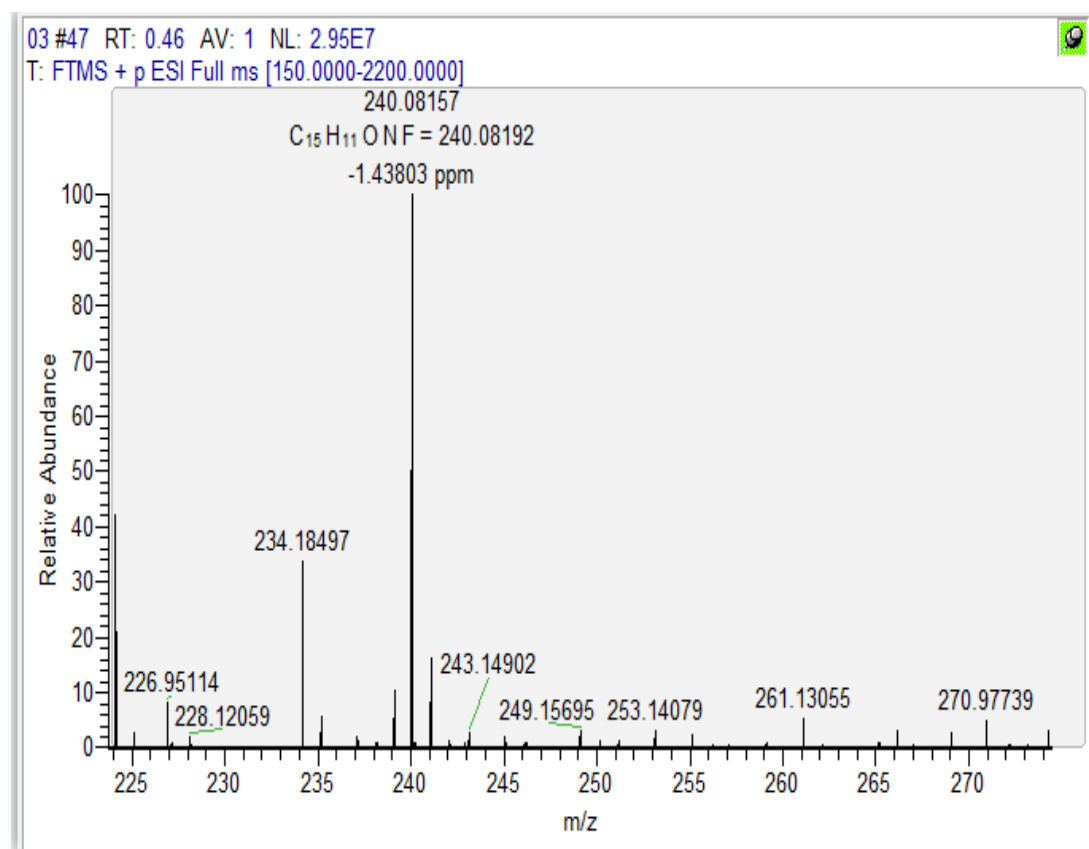


Figure S36 HRMS spectrum of compound 31

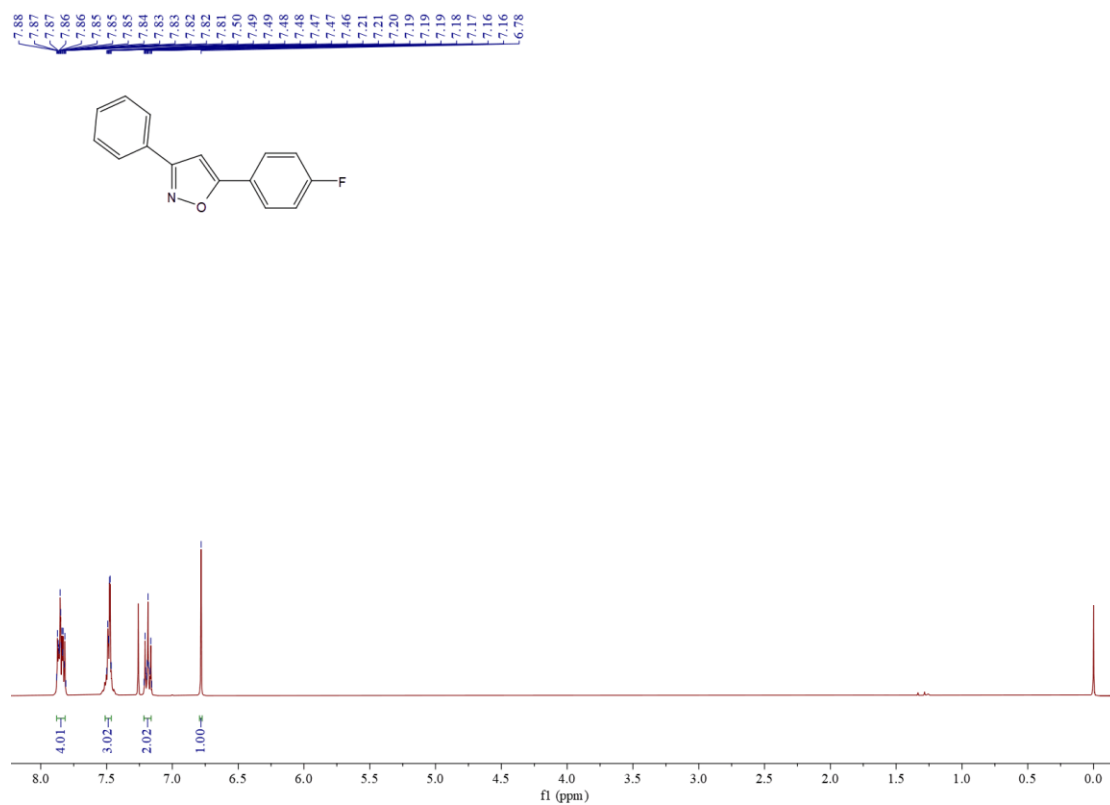


Figure S37 ¹H NMR spectrum of compound 3m

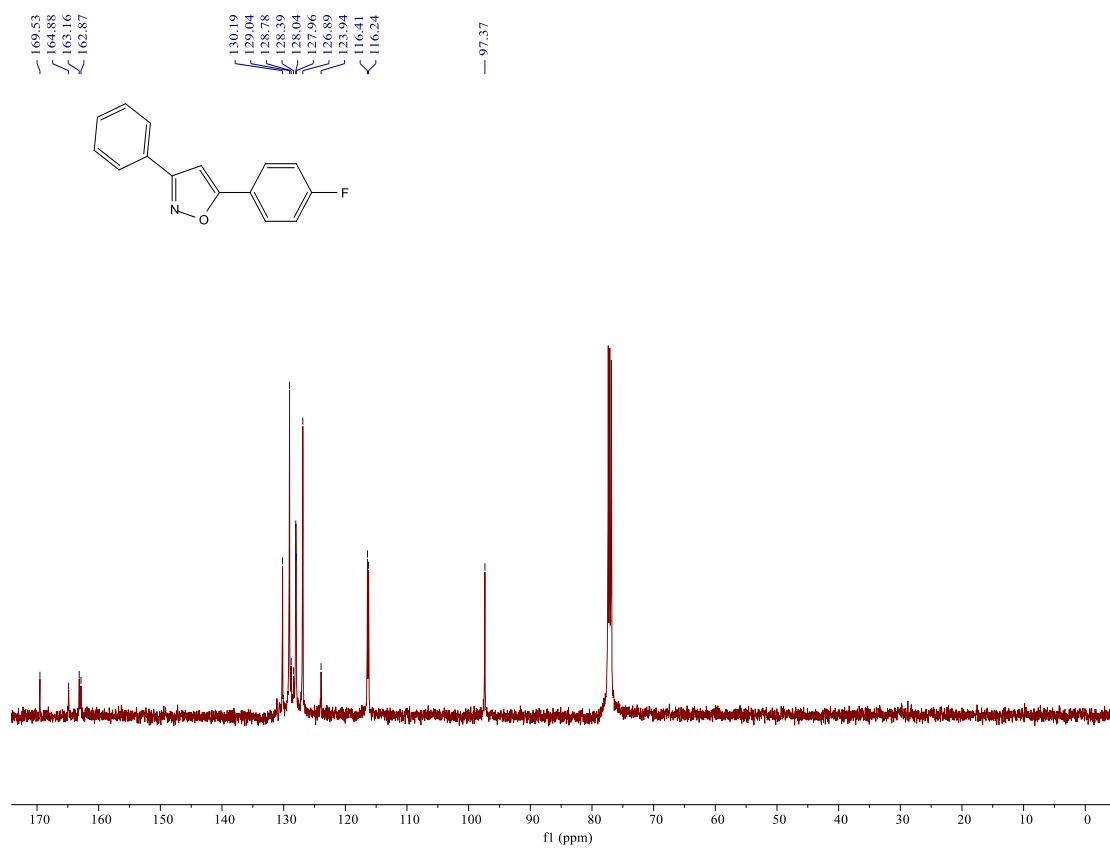


Figure S38 ¹³C NMR spectrum of compound 3m

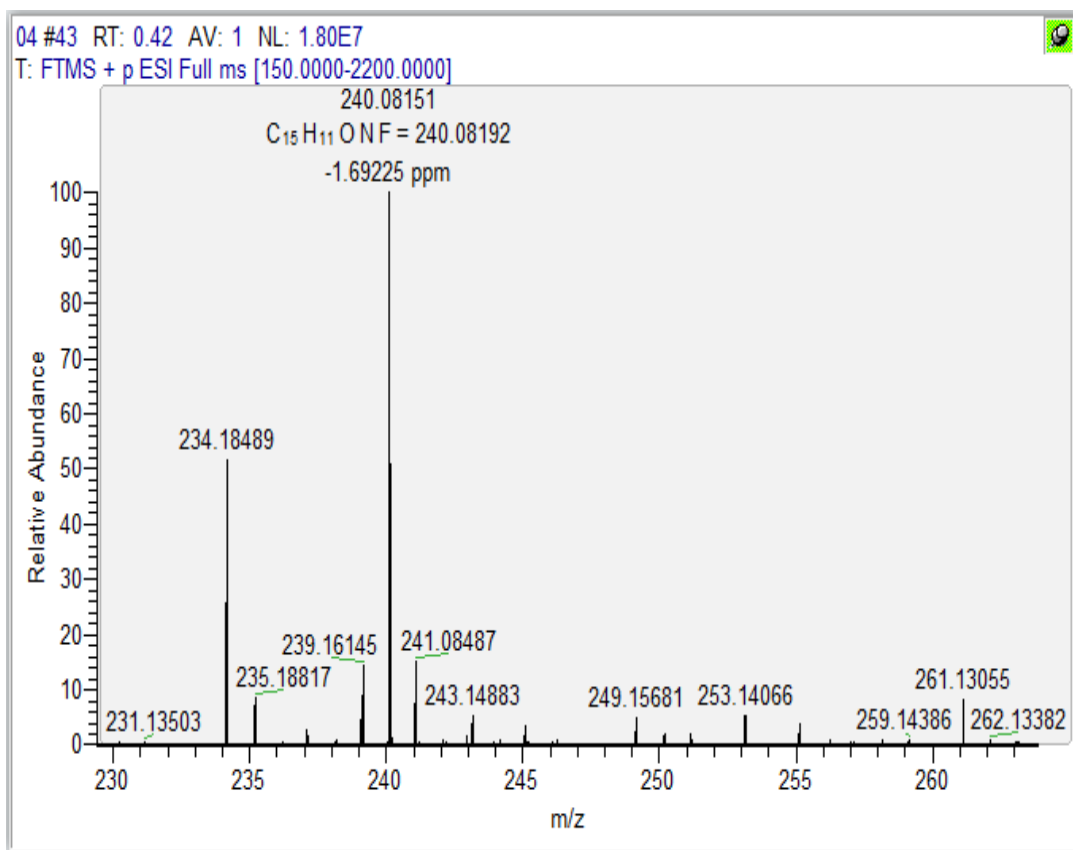


Figure S39 HRMS spectrum of compound **3m**

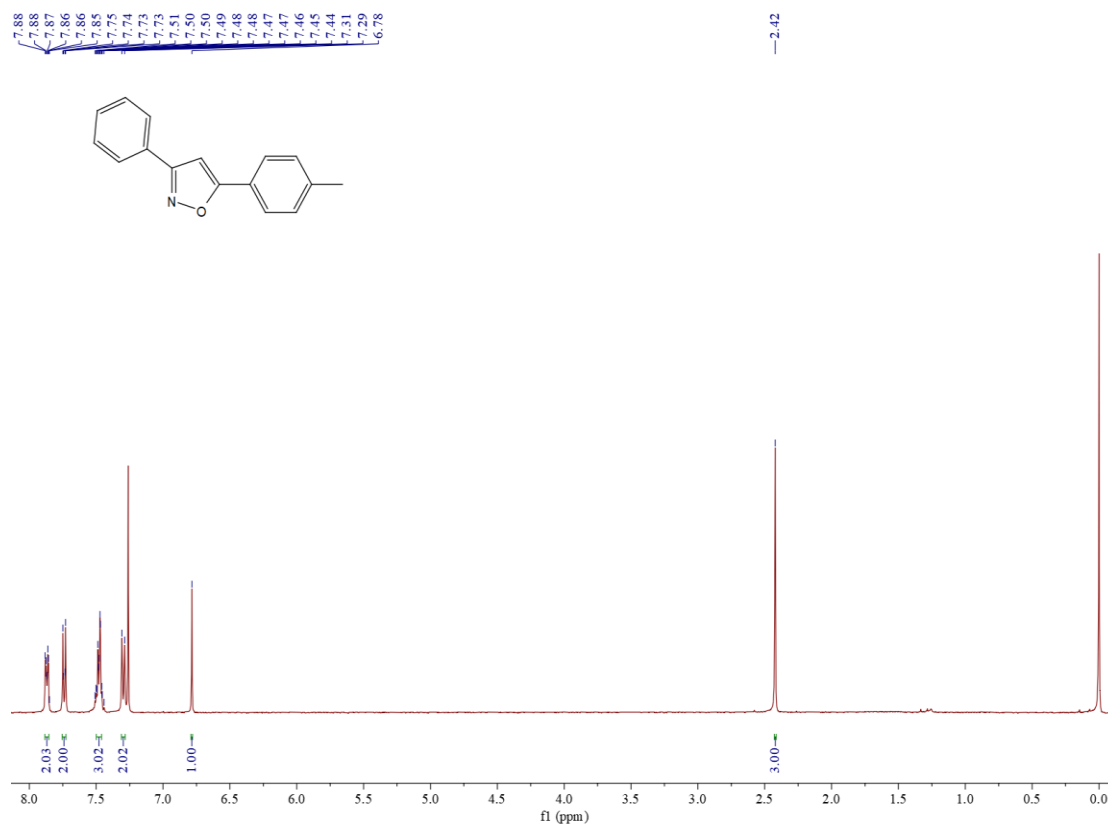


Figure S40 1H NMR spectrum of compound **3n**

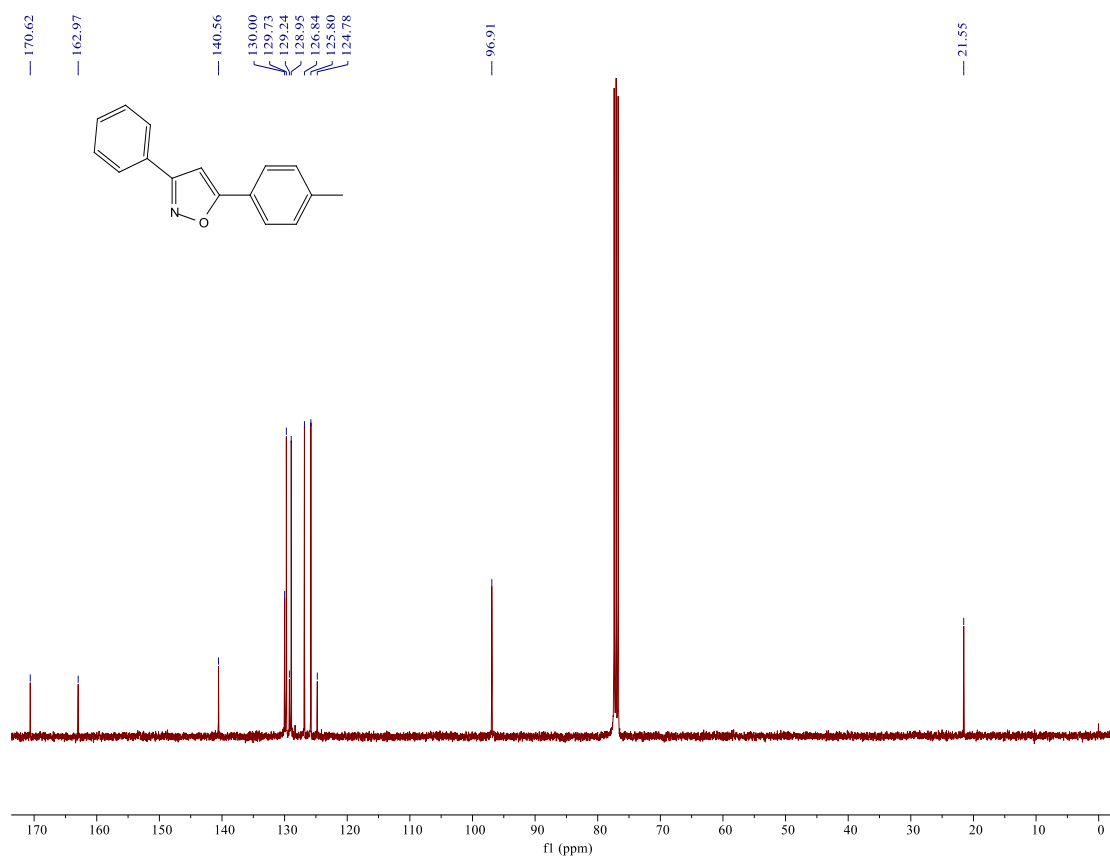


Figure S41 ¹³C NMR spectrum of compound 3n

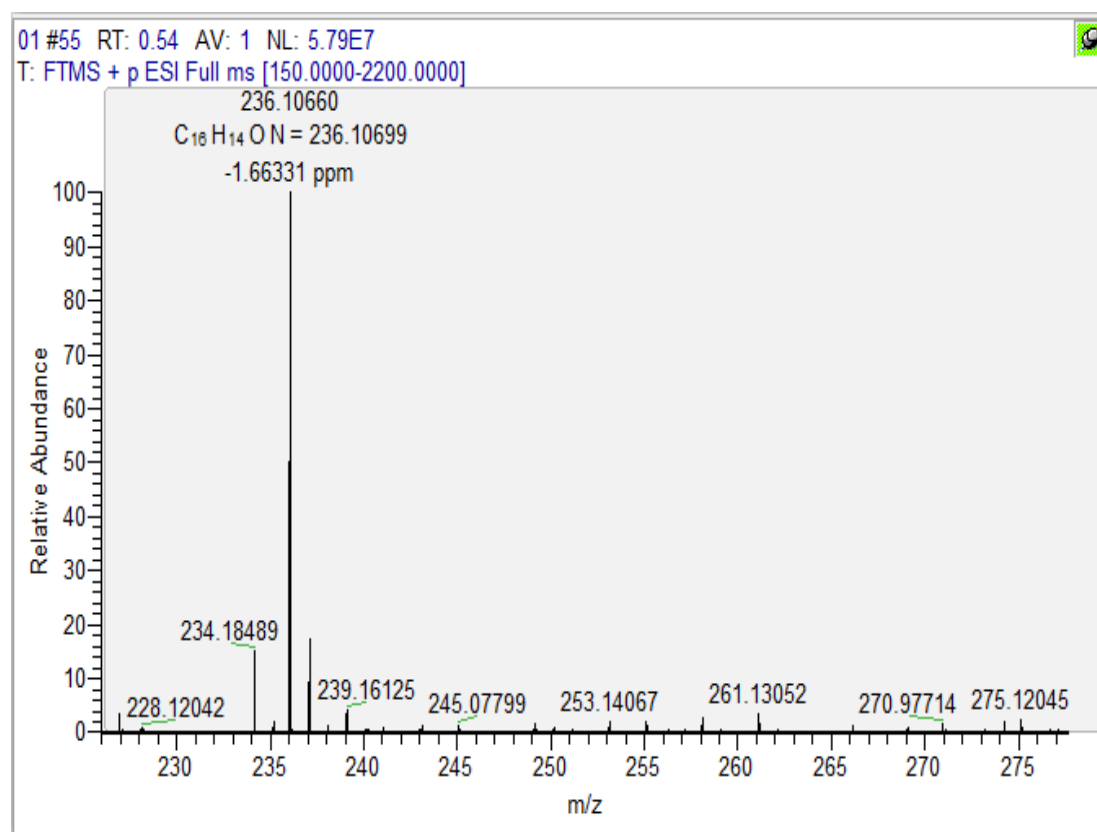


Figure S42 HRMS spectrum of compound 3n

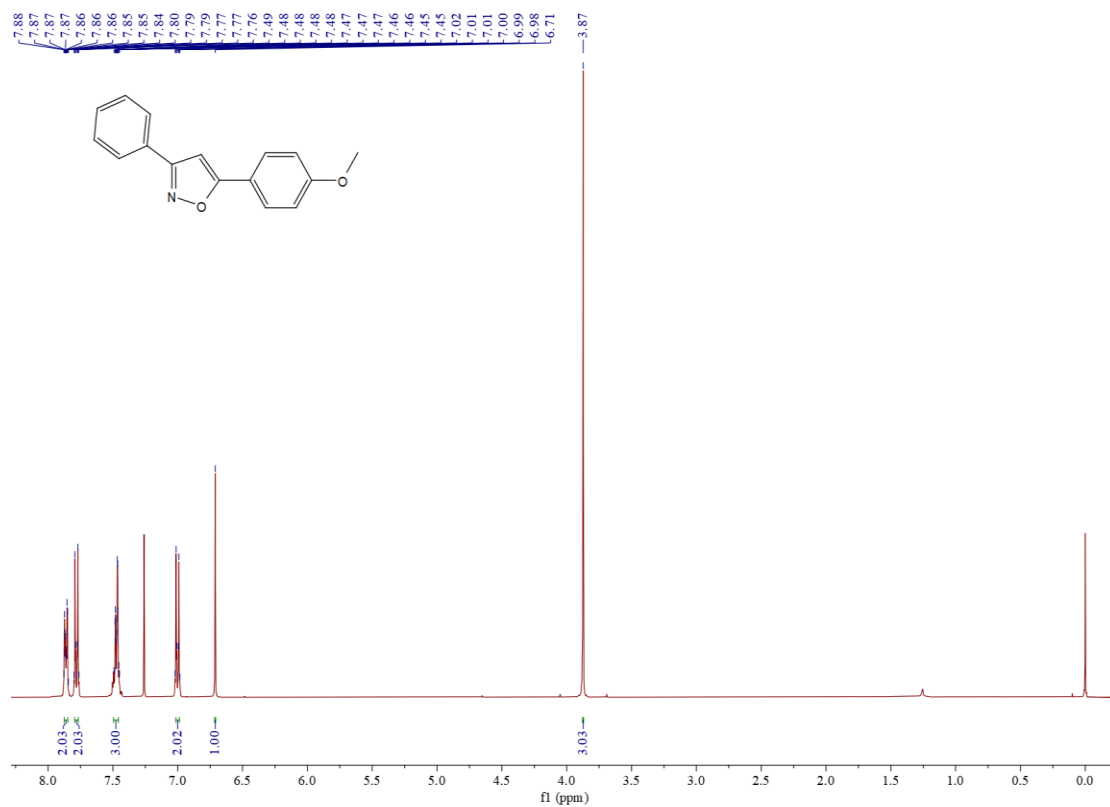


Figure S43 ¹H NMR spectrum of compound **3o**

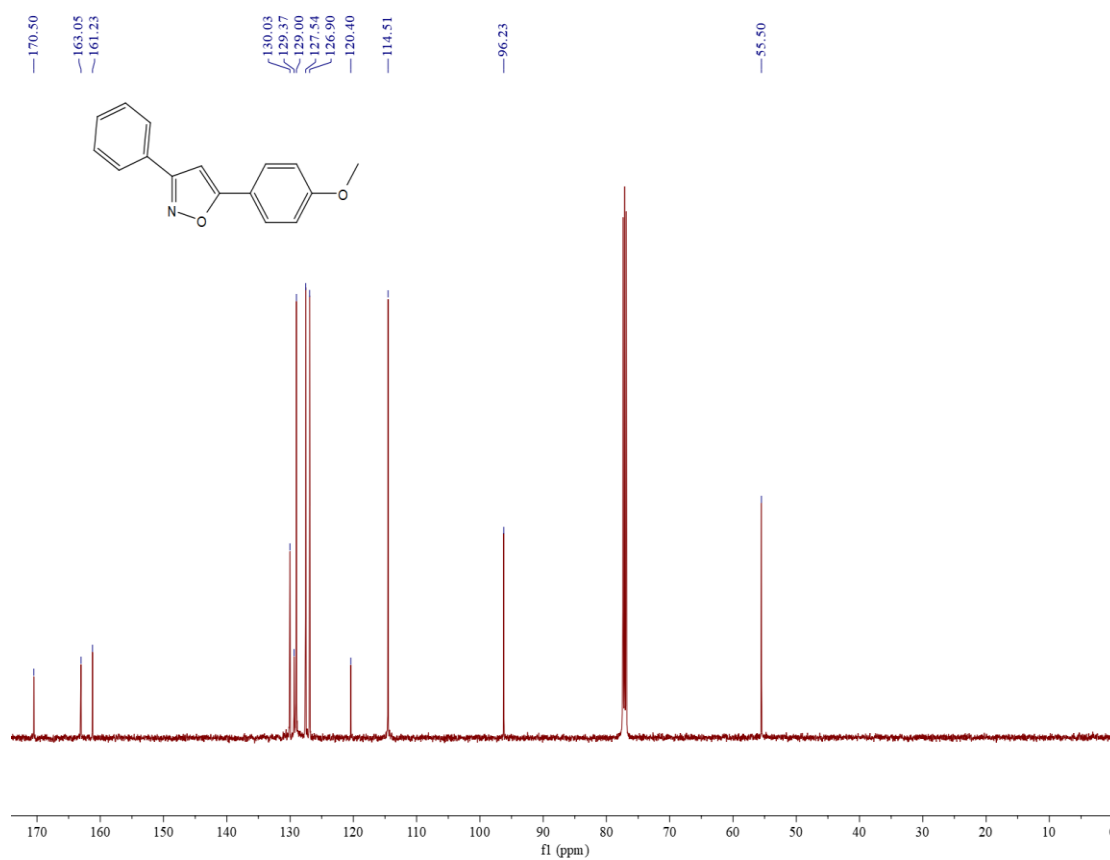


Figure S44 ¹³C NMR spectrum of compound **3o**

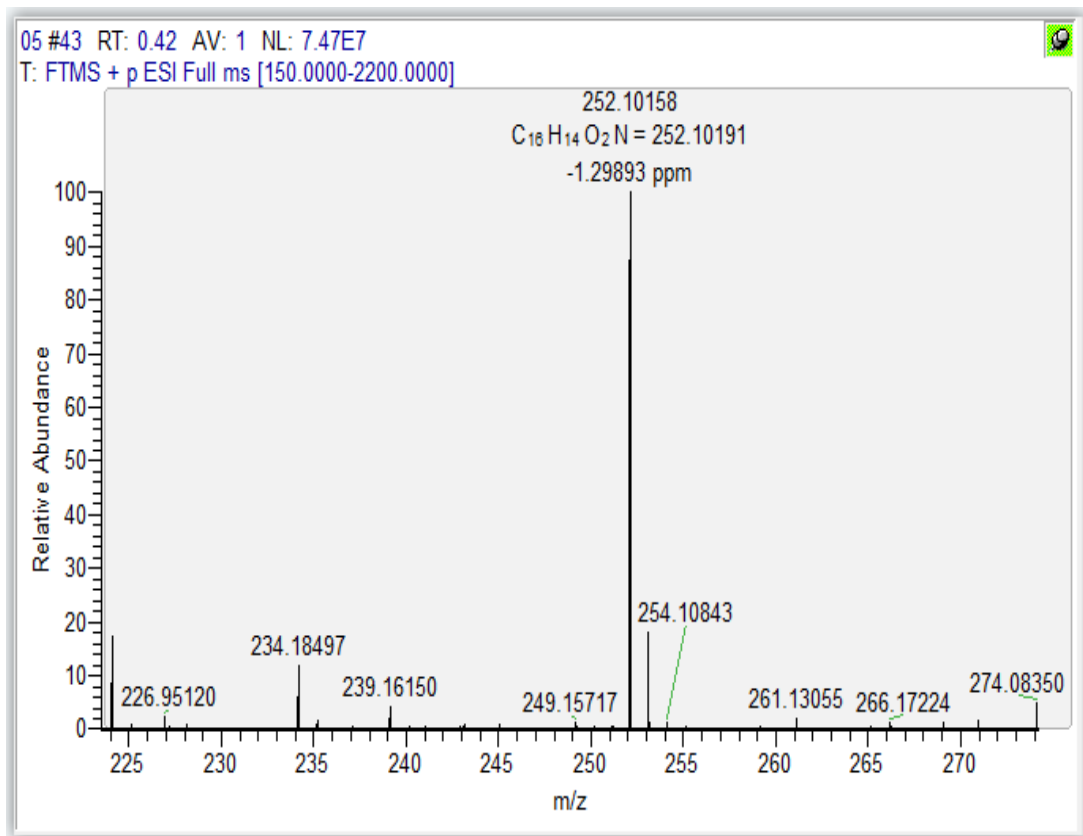


Figure S45 HRMS spectrum of compound **3o**

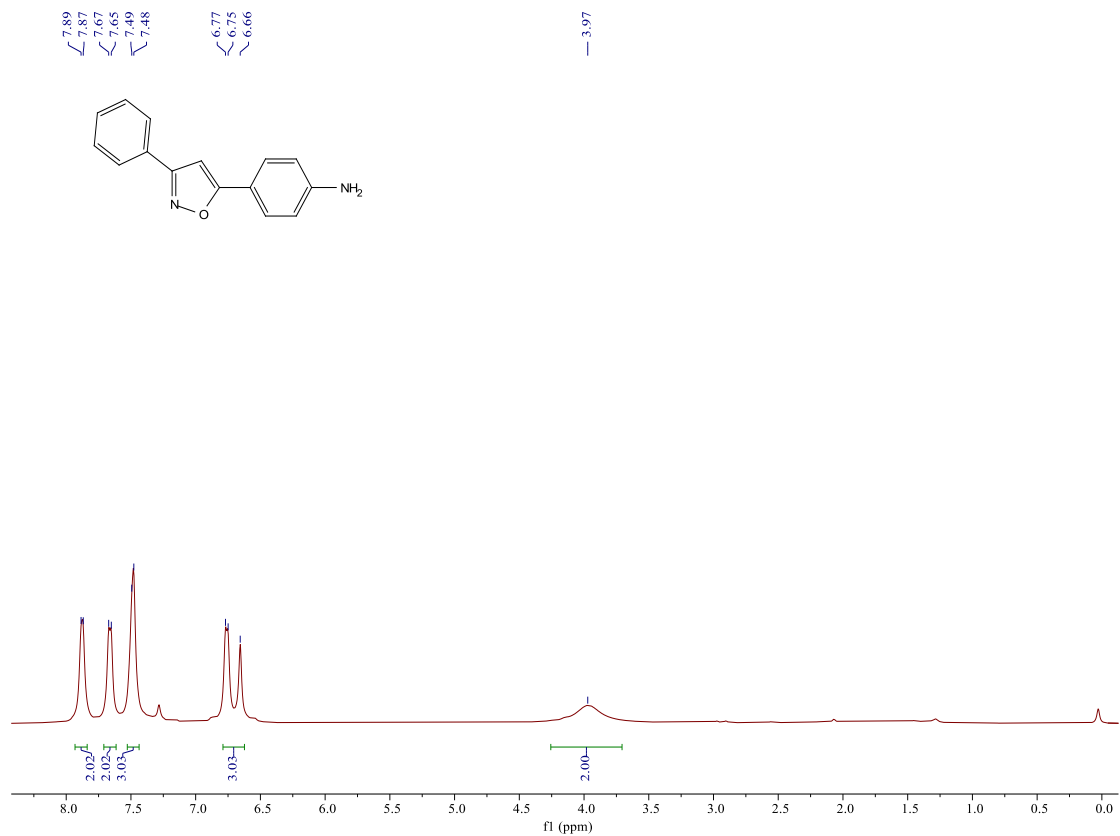


Figure S46 1H NMR spectrum of compound **3p**

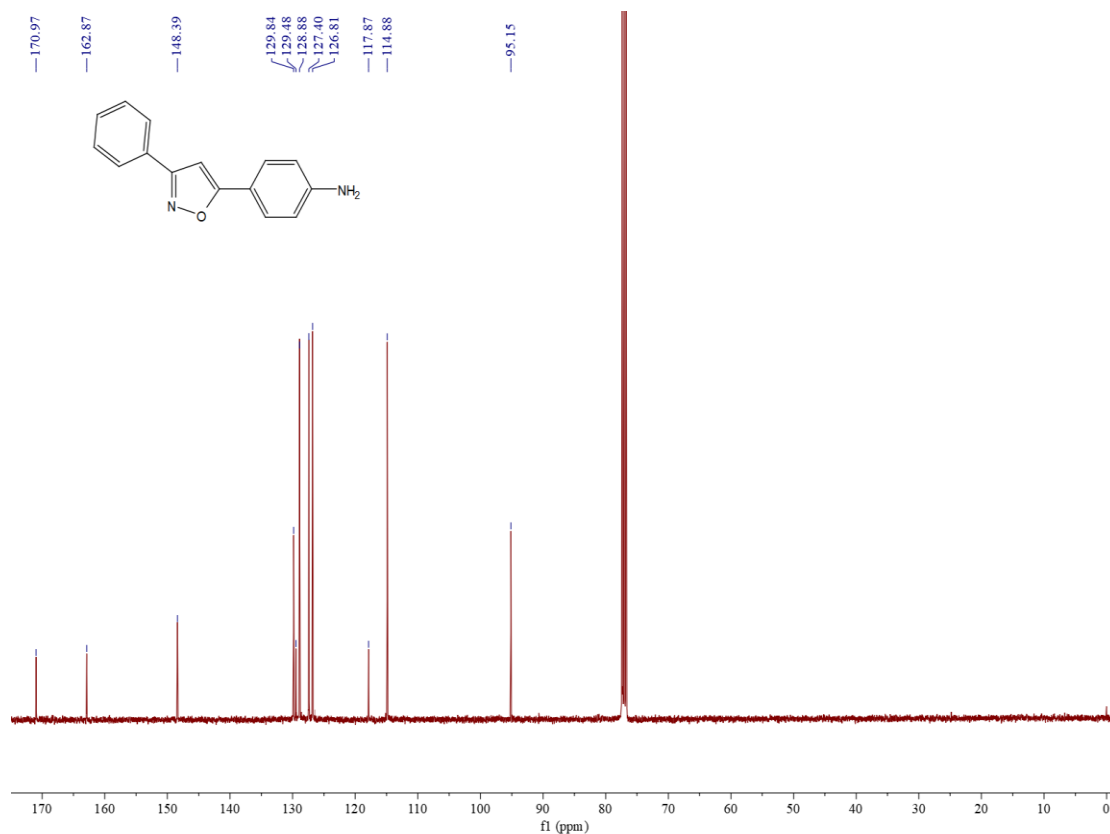


Figure S47 ^{13}C NMR spectrum of compound 3p

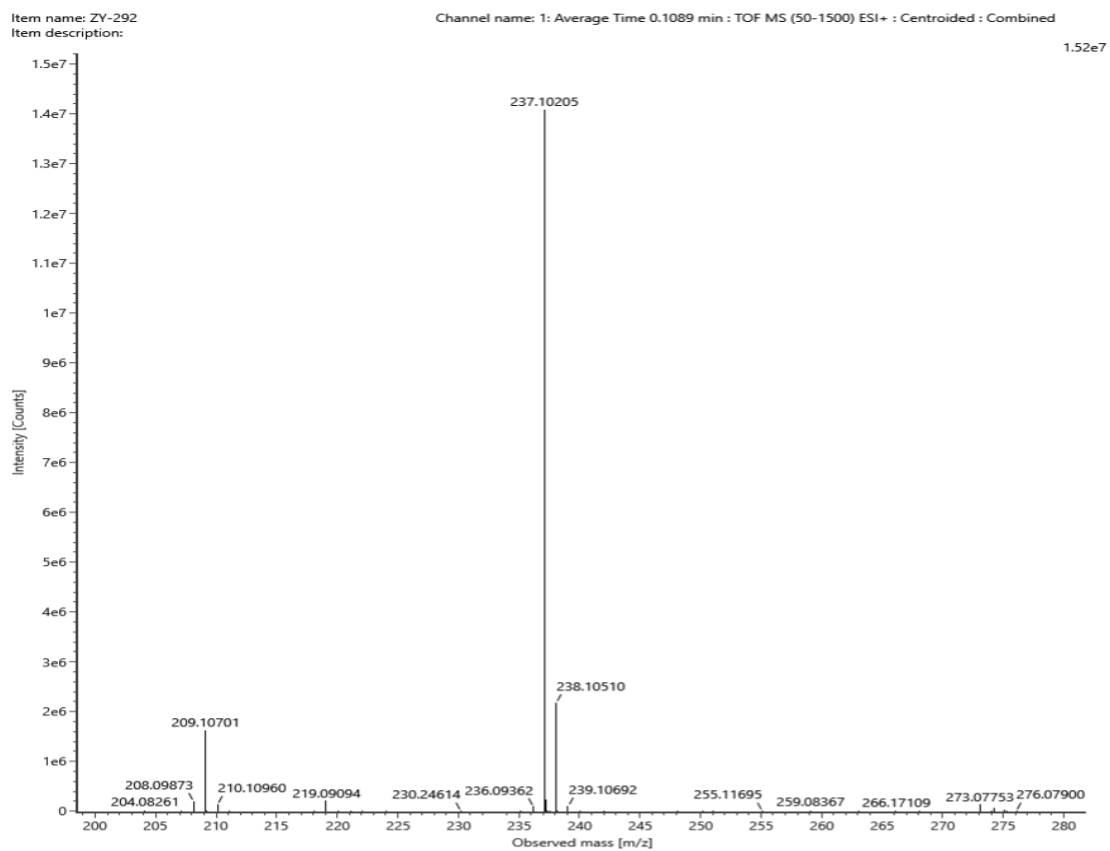


Figure S48 HRMS spectrum of compound 3p

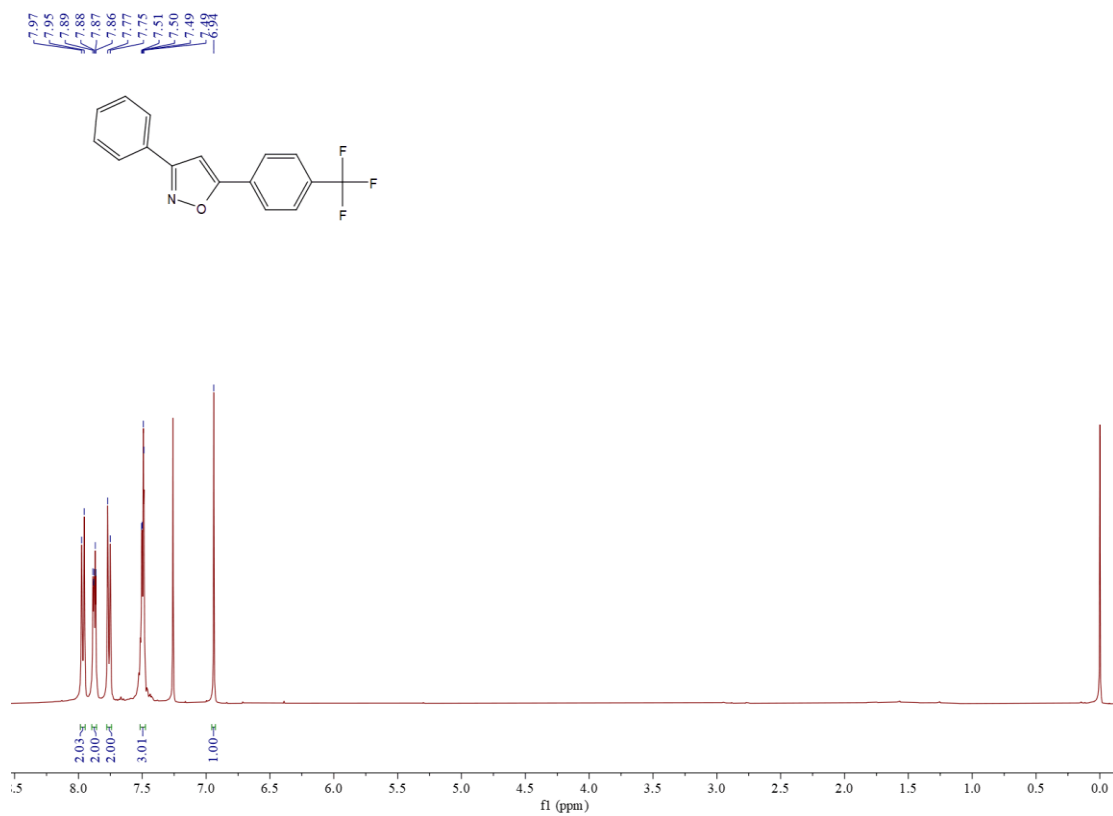


Figure S49 ¹H NMR spectrum of compound **3q**

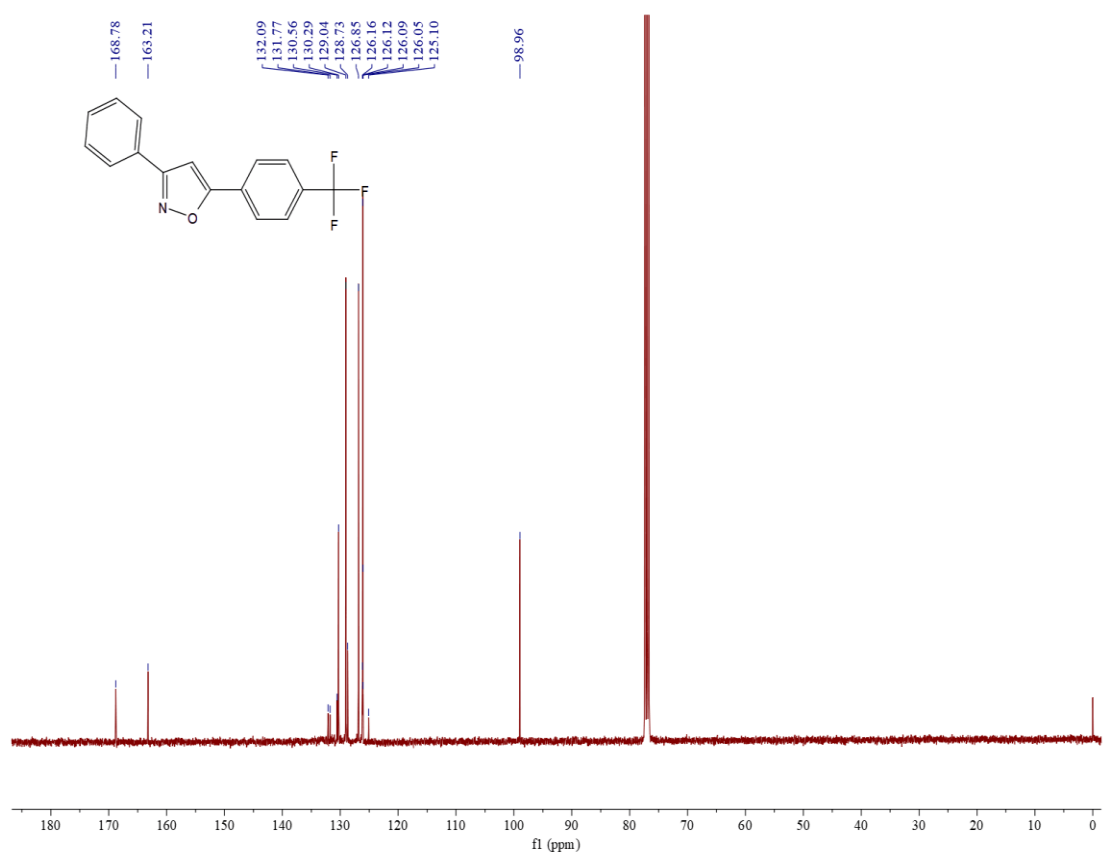


Figure S50 ¹³C NMR spectrum of compound **3q**

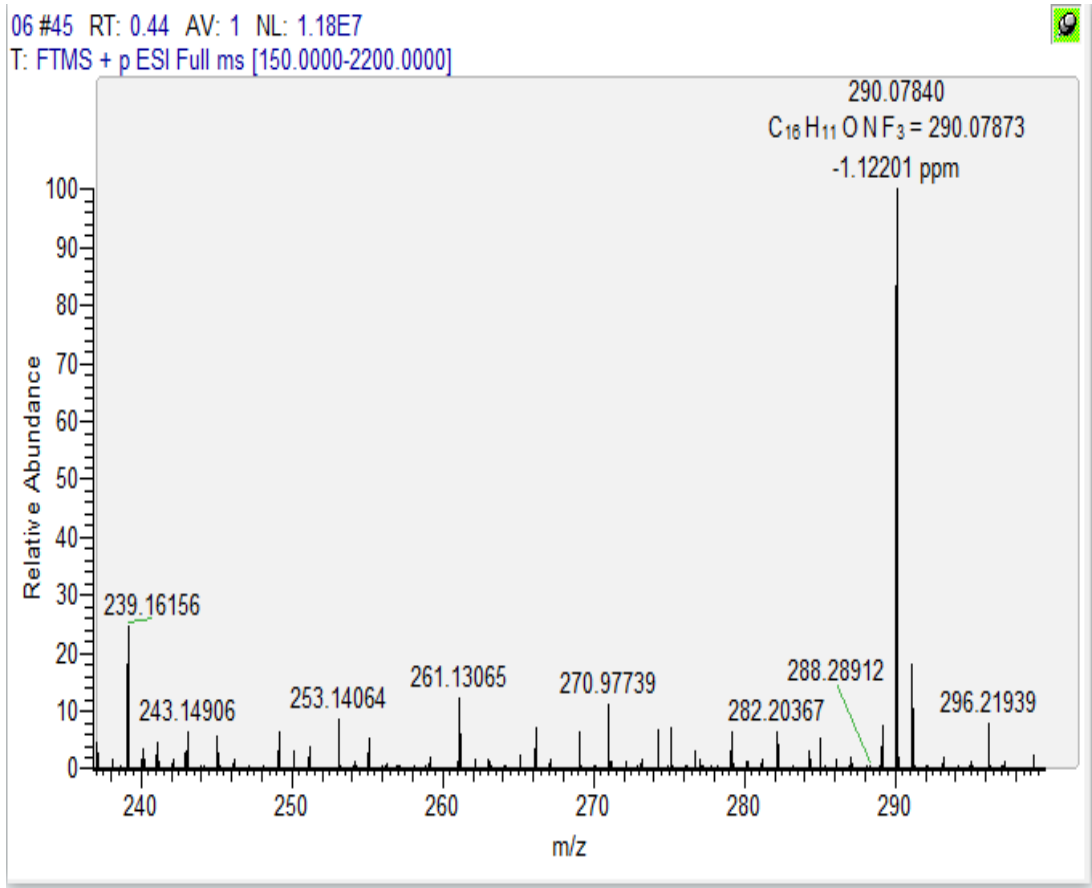


Figure S51 HRMS spectrum of compound **3q**

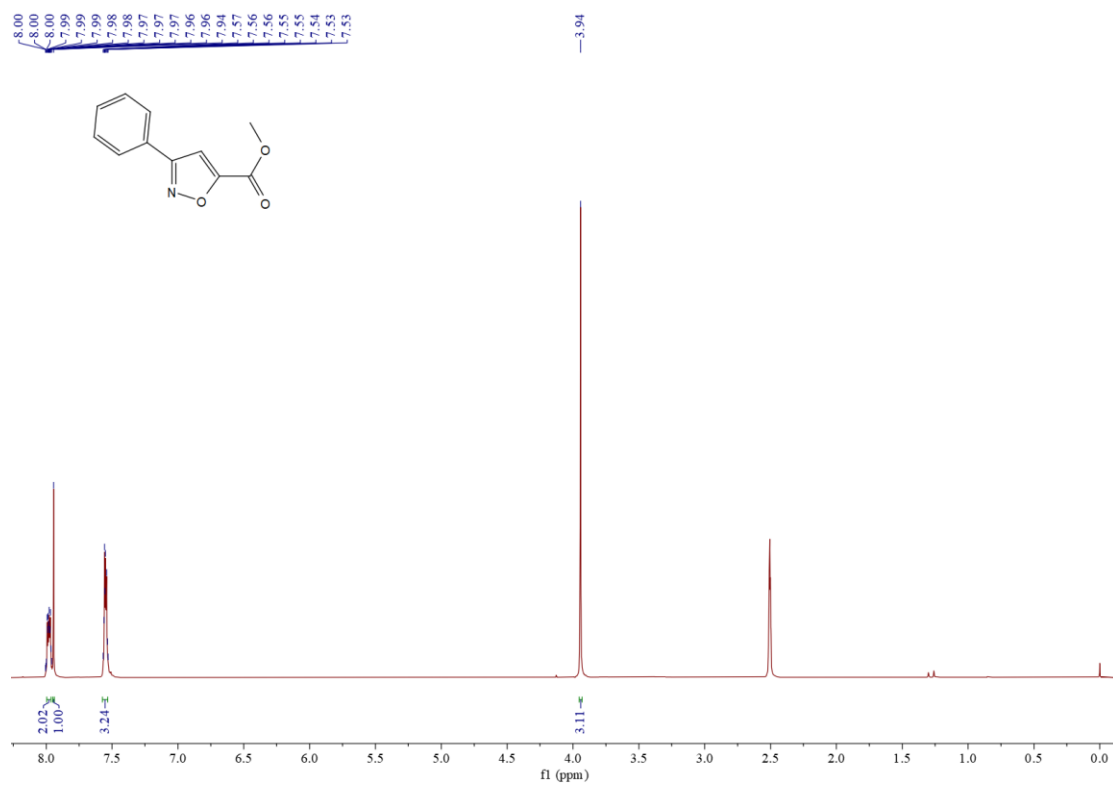


Figure S52 1H NMR spectrum of compound **3r**

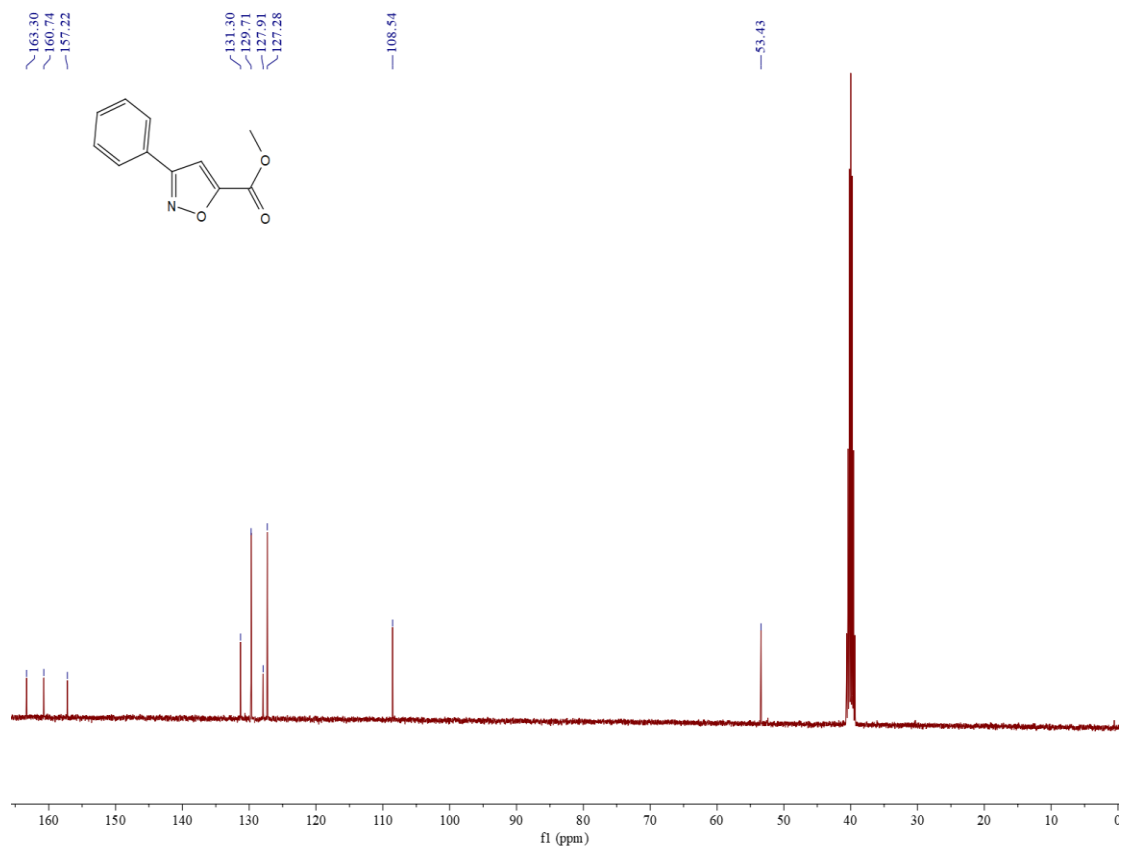


Figure S53 ¹³C NMR spectrum of compound **3r**

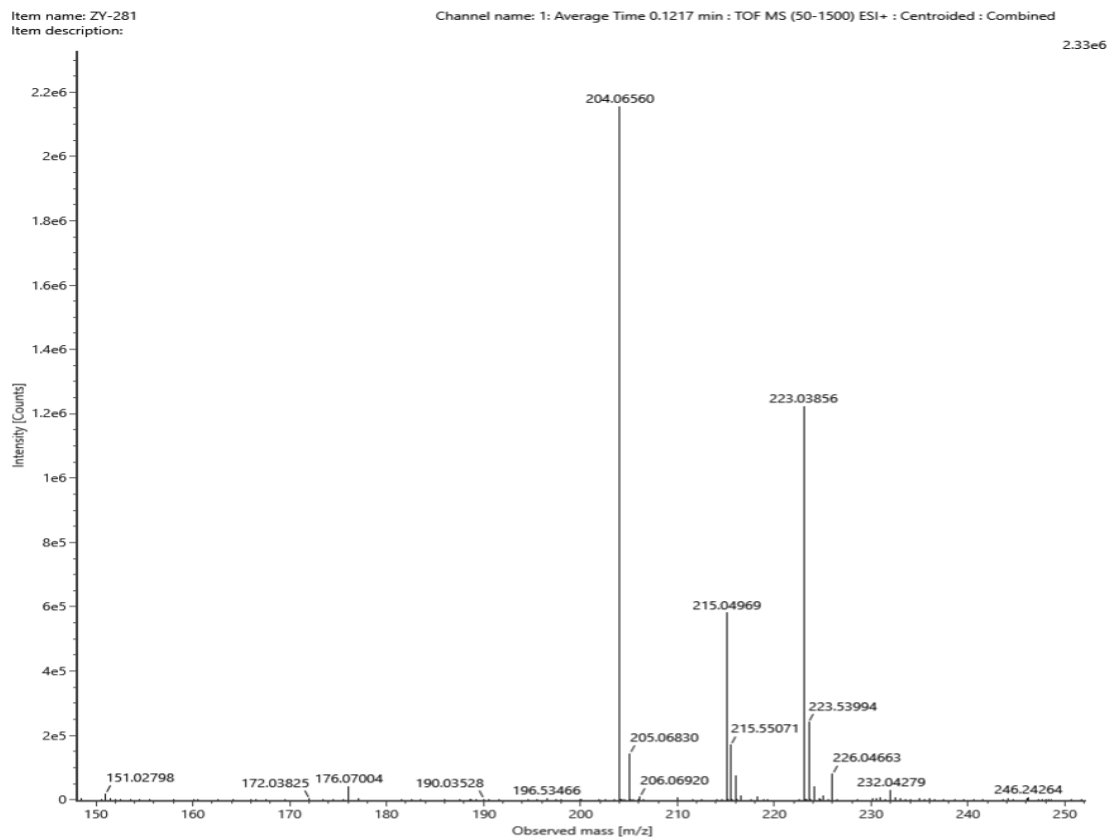


Figure S54 HRMS spectrum of compound **3r**

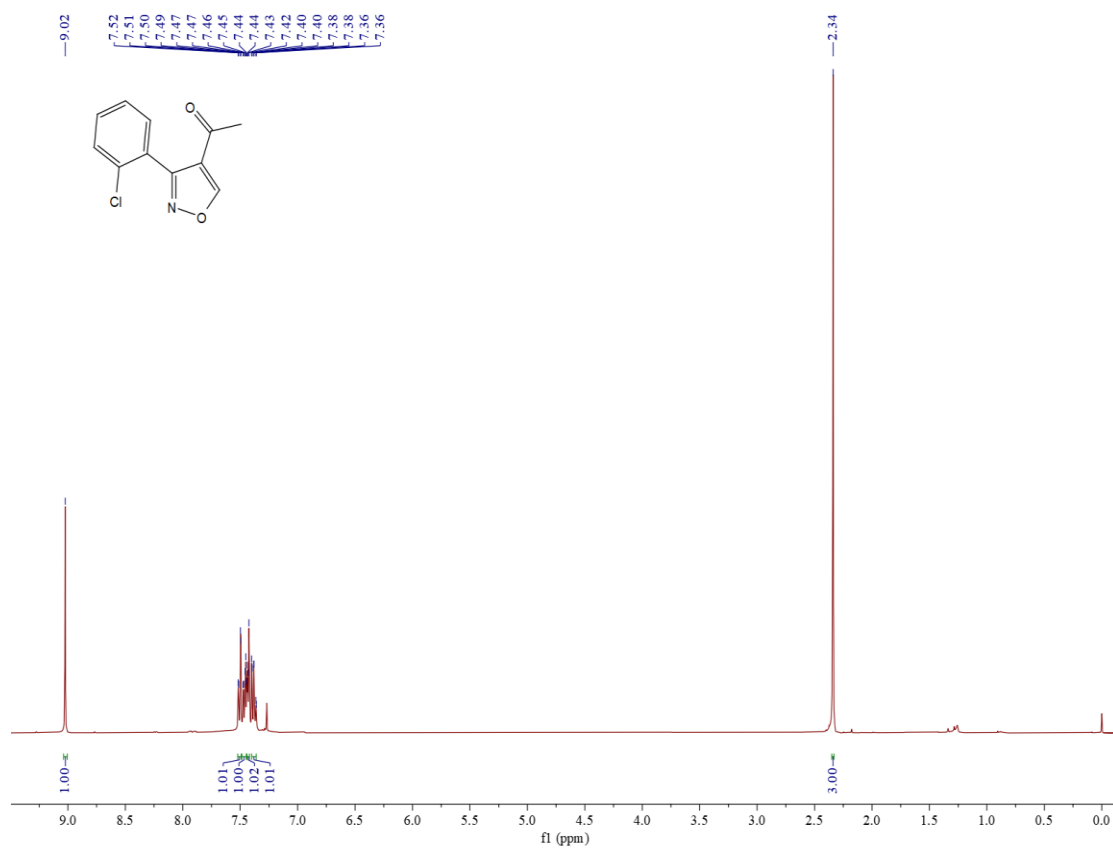


Figure S55 ¹H NMR spectrum of compound 5a

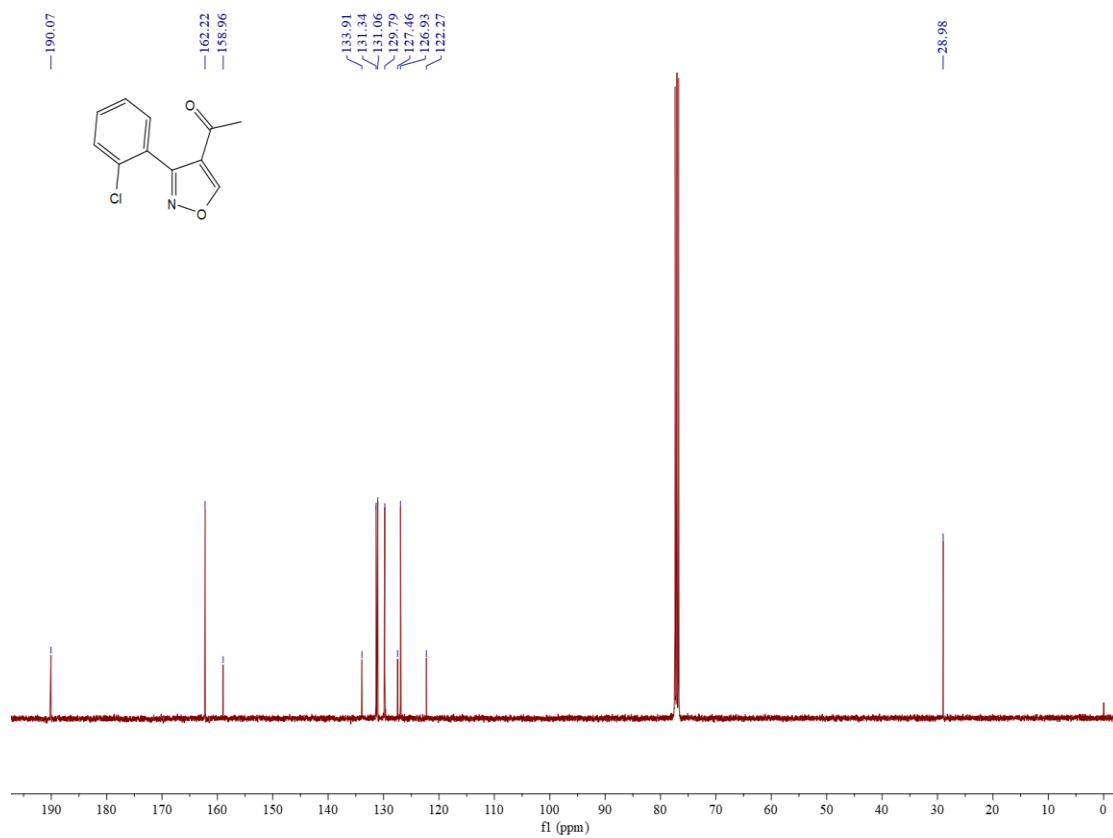


Figure S56 ¹³C NMR spectrum of compound 5a

Item name: ZY-182
Item description:

Channel name: 1: Average Time 0.1131 min : TOF MS (50-1500) ESI+ : Centroided : Combined

4.82e5

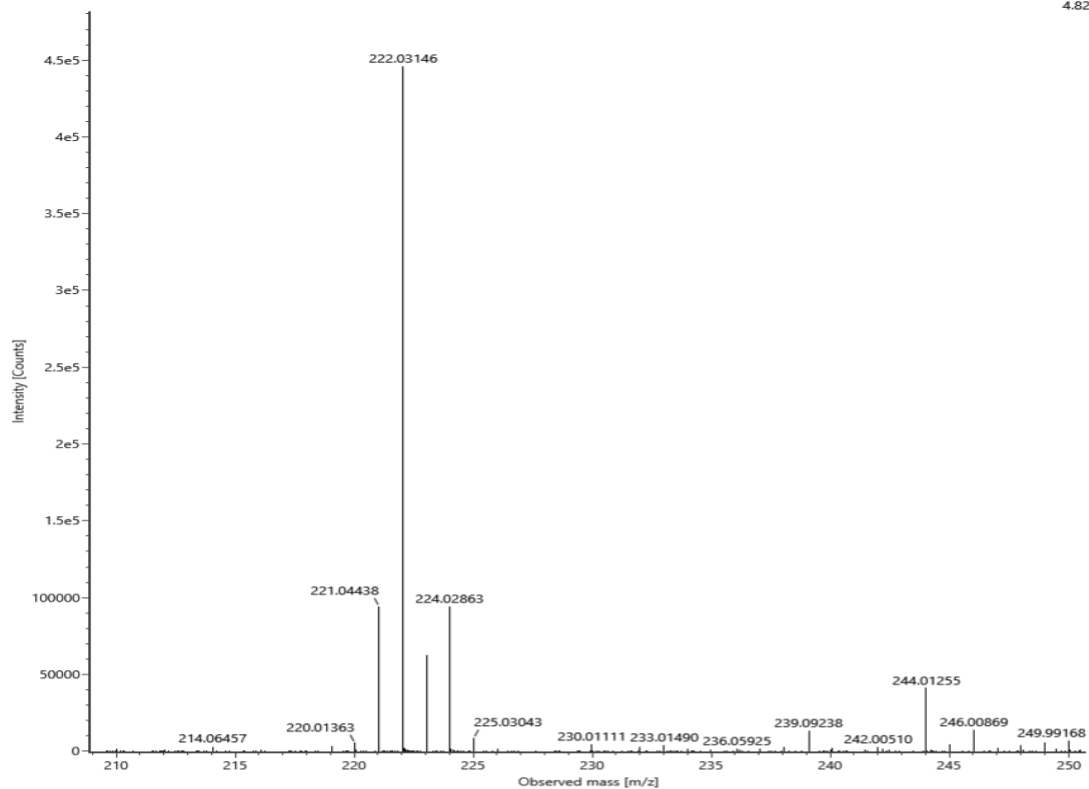


Figure S57 HRMS spectrum of compound 5a

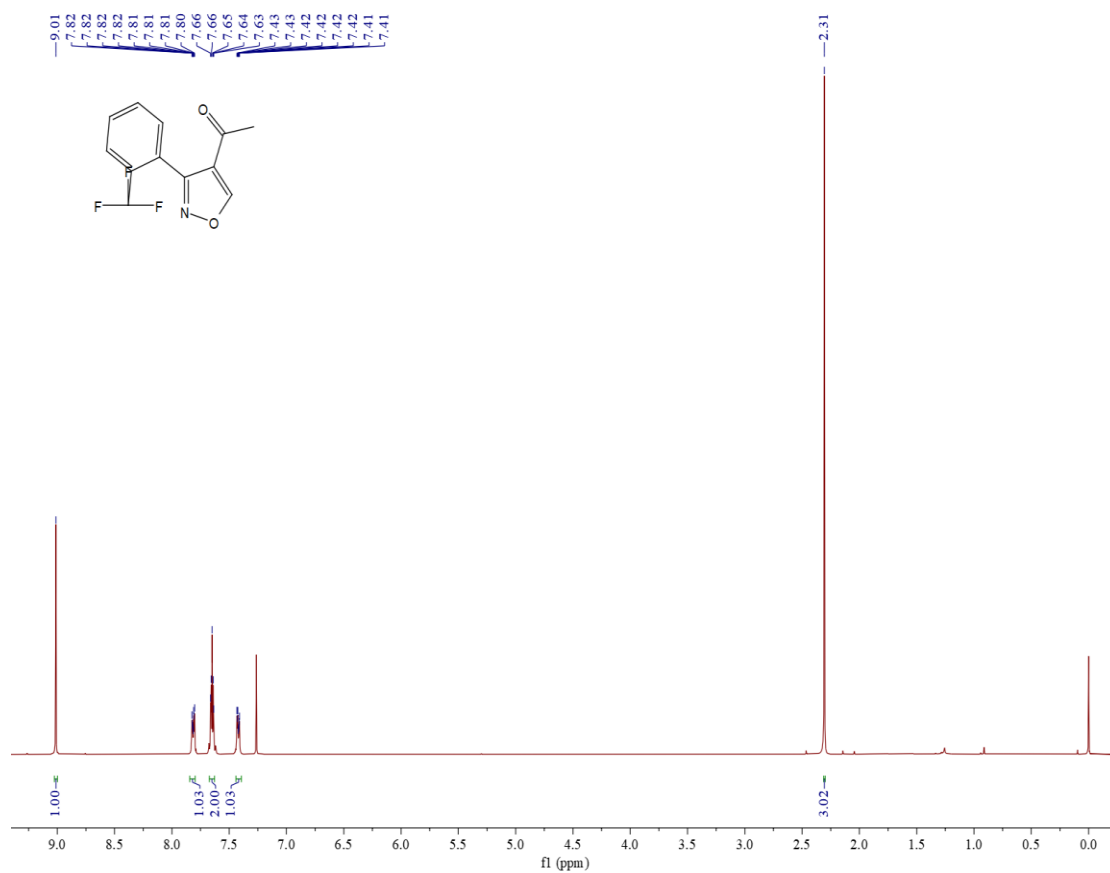


Figure S58 ¹H NMR spectrum of compound 5b

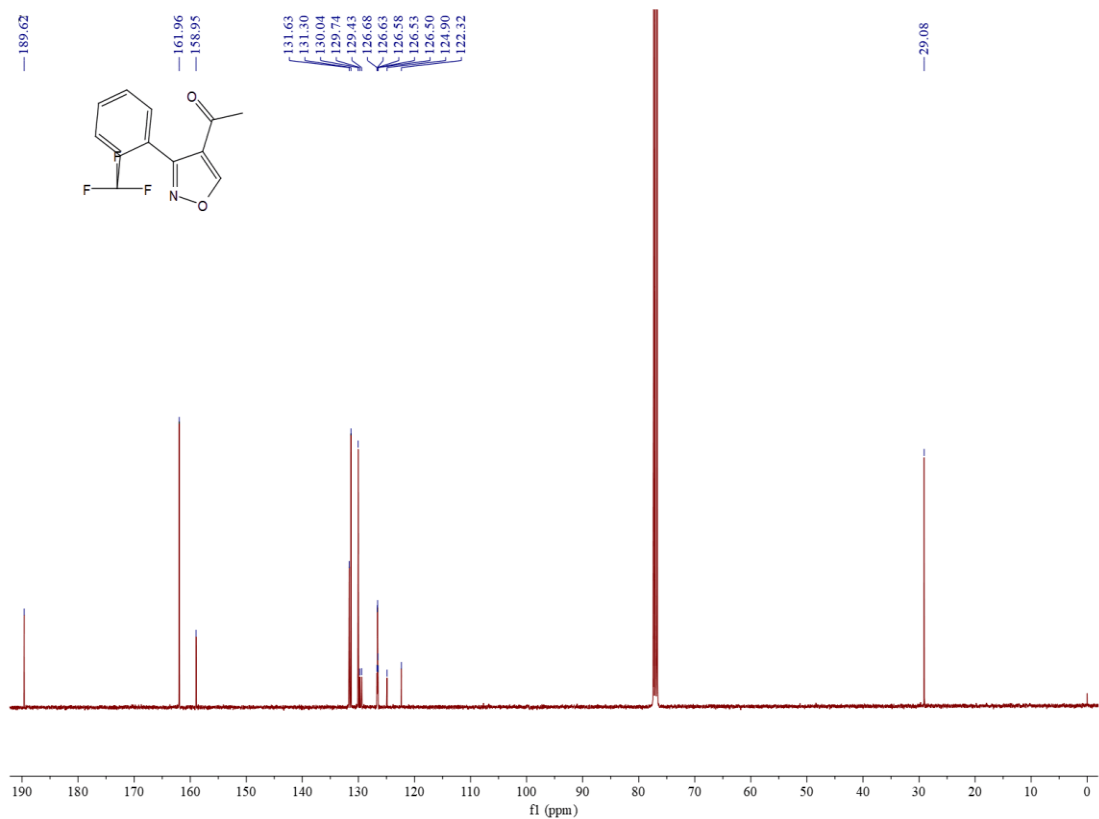


Figure S59 ¹³C NMR spectrum of compound **5b**

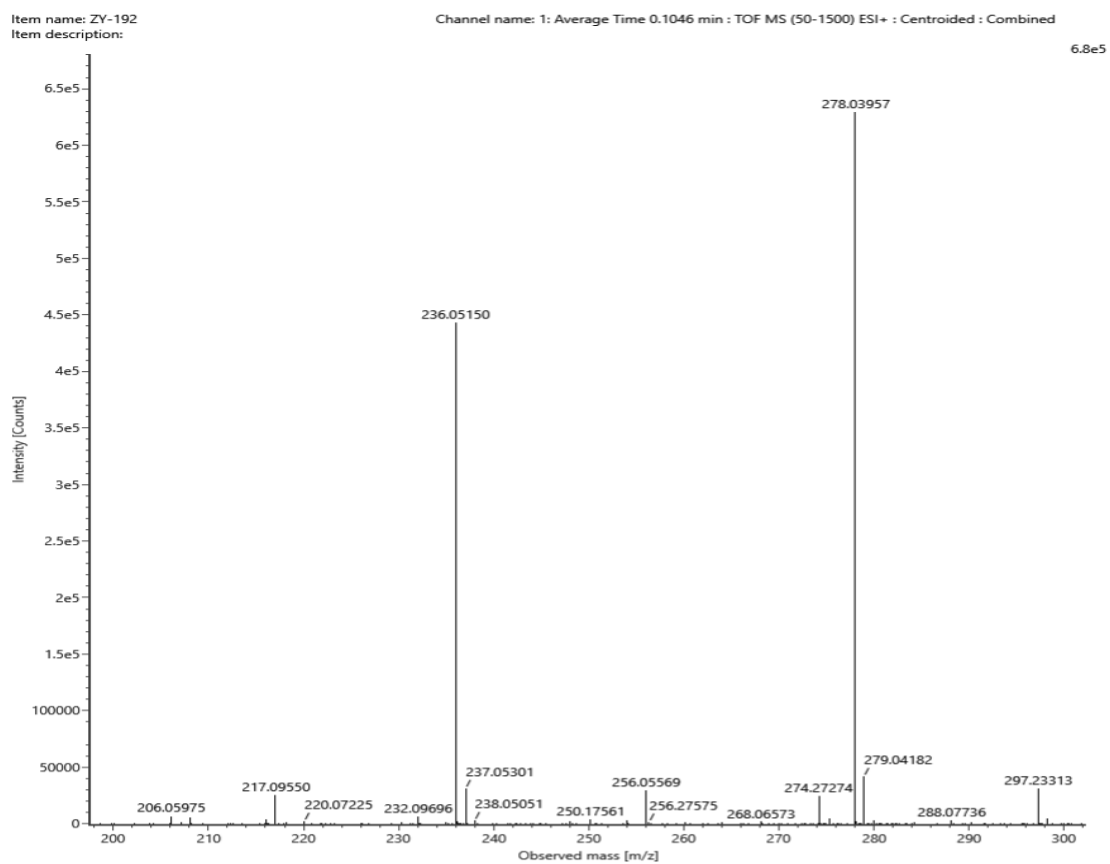


Figure S60 HRMS spectrum of compound **5b**

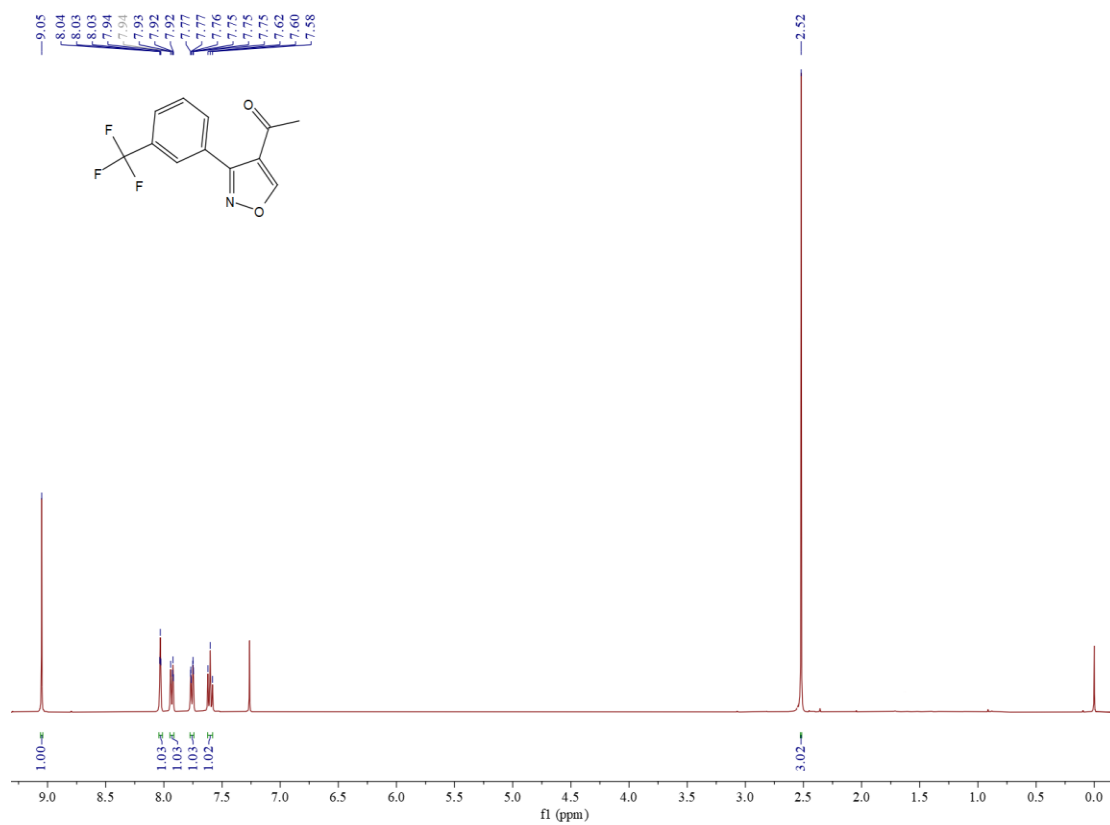


Figure S61 ¹H NMR spectrum of compound 5c

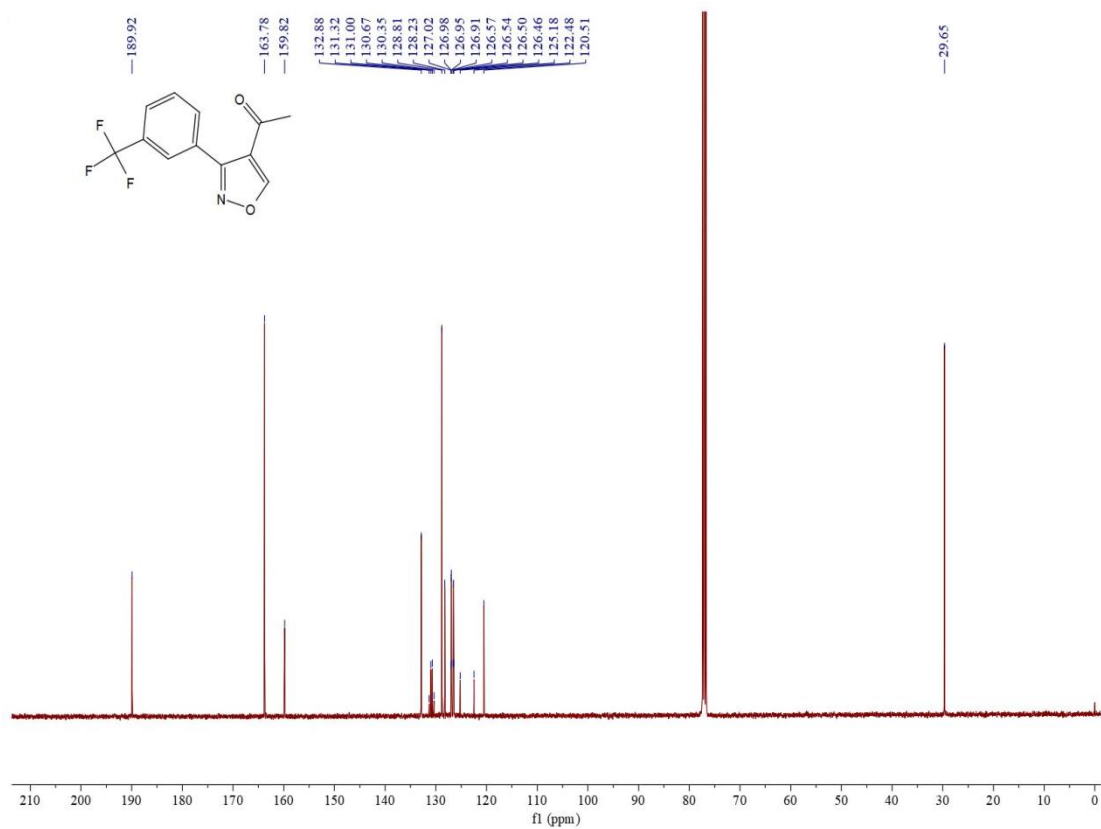


Figure S62 ¹³C NMR spectrum of compound 5c

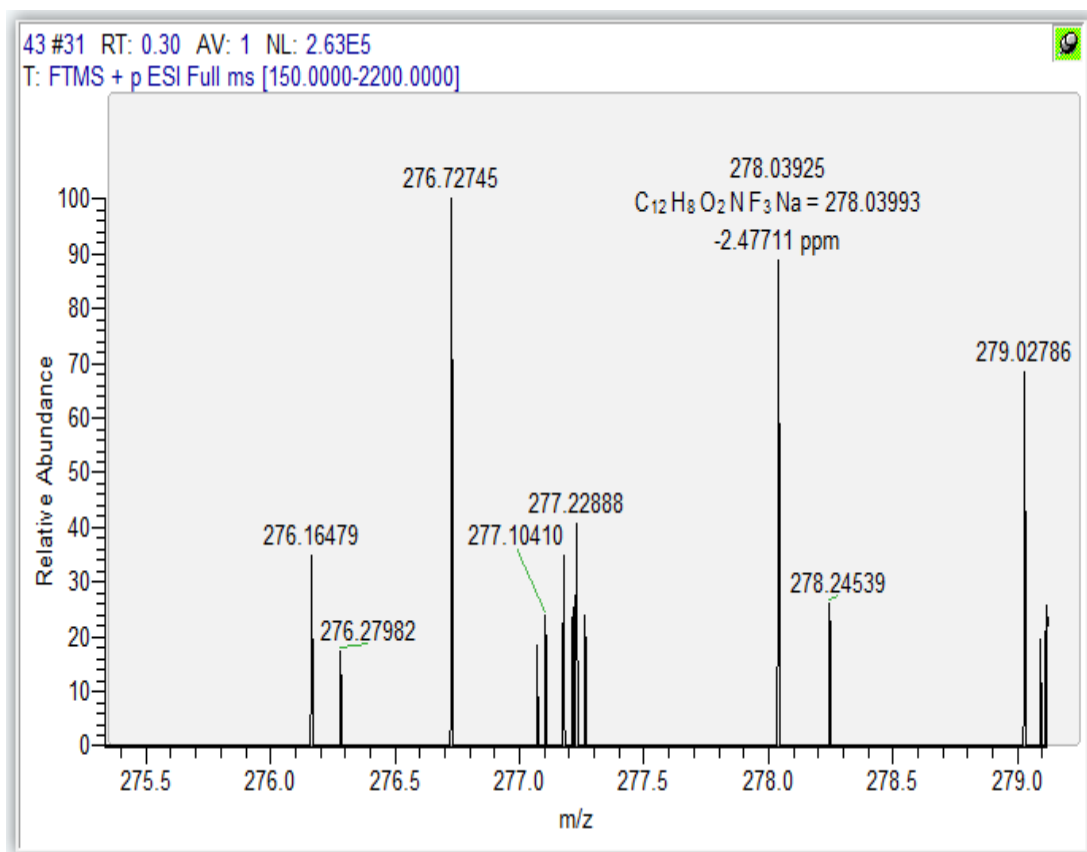


Figure S63 HRMS spectrum of compound **5c**

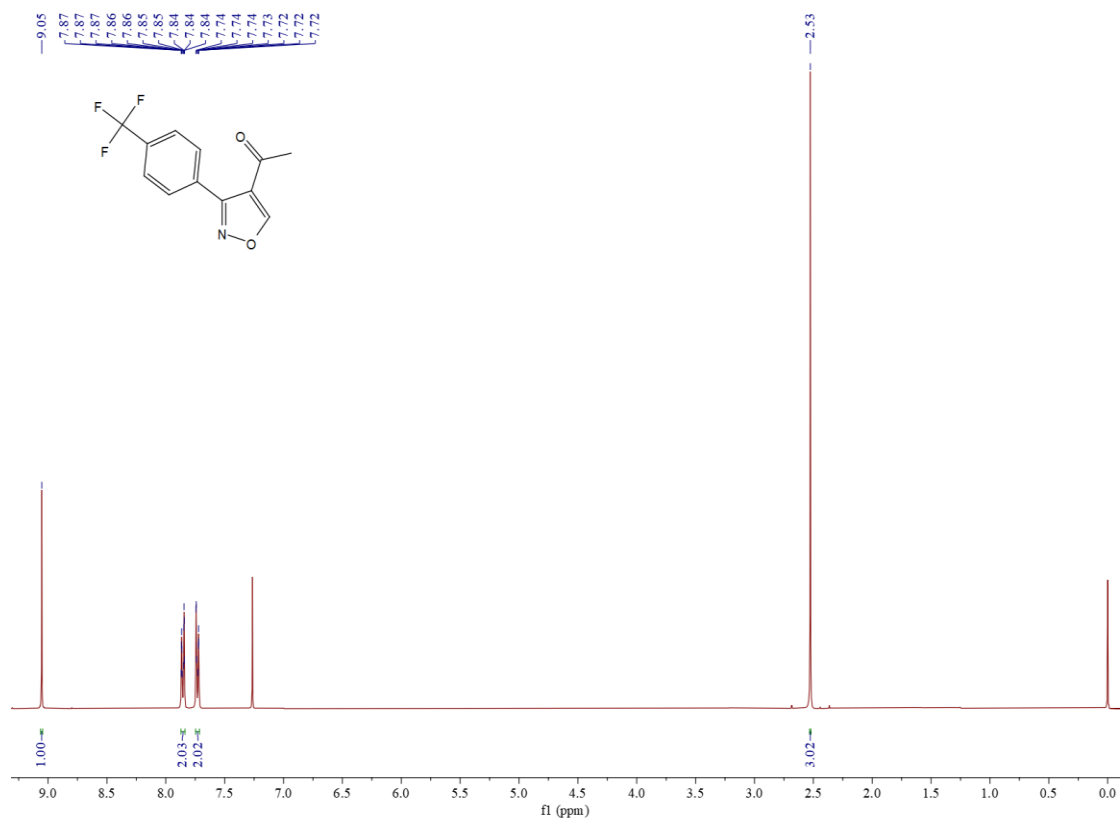


Figure S64 1H NMR spectrum of compound **5d**

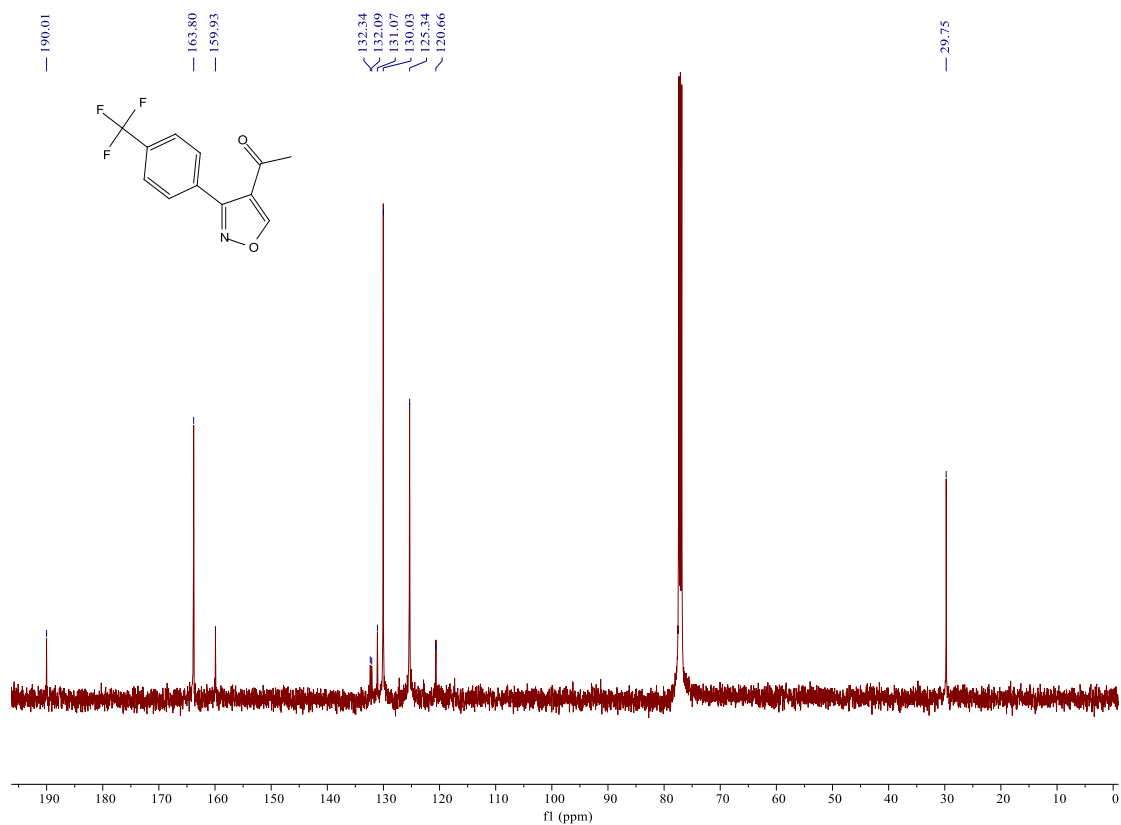


Figure S65 ¹³C NMR spectrum of compound **5d**

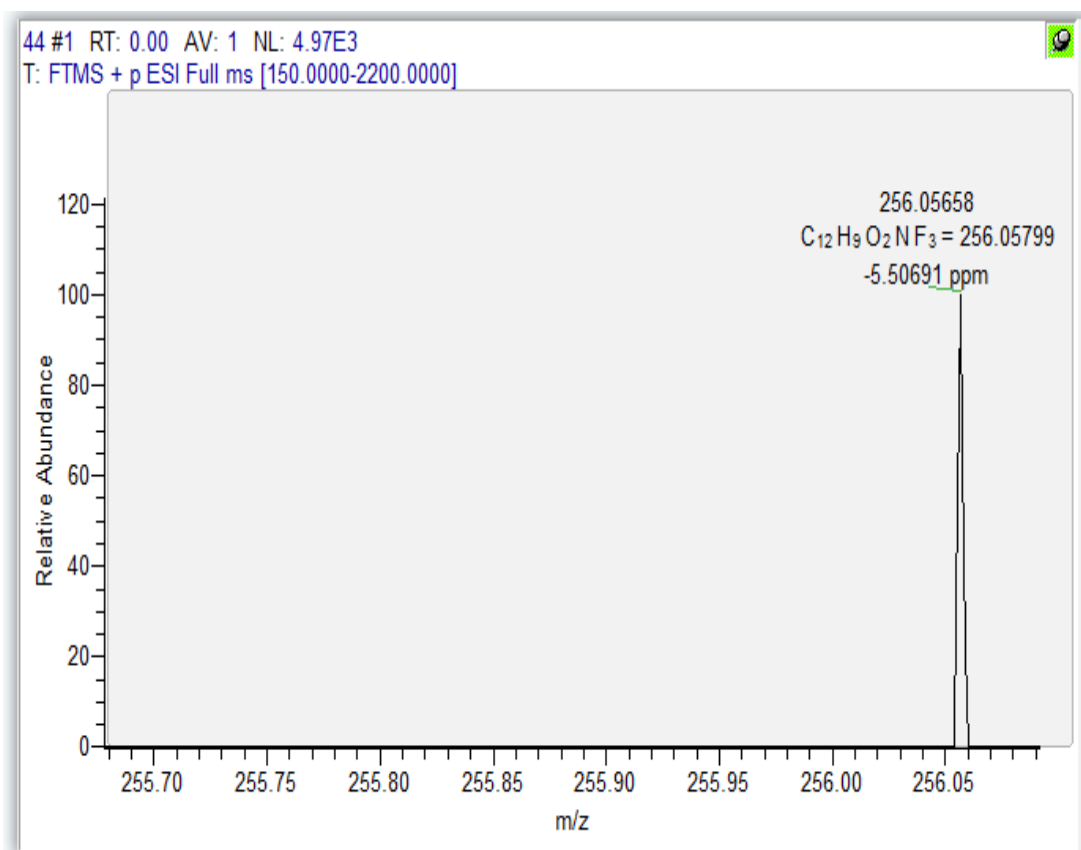


Figure S66 HRMS spectrum of compound **5d**

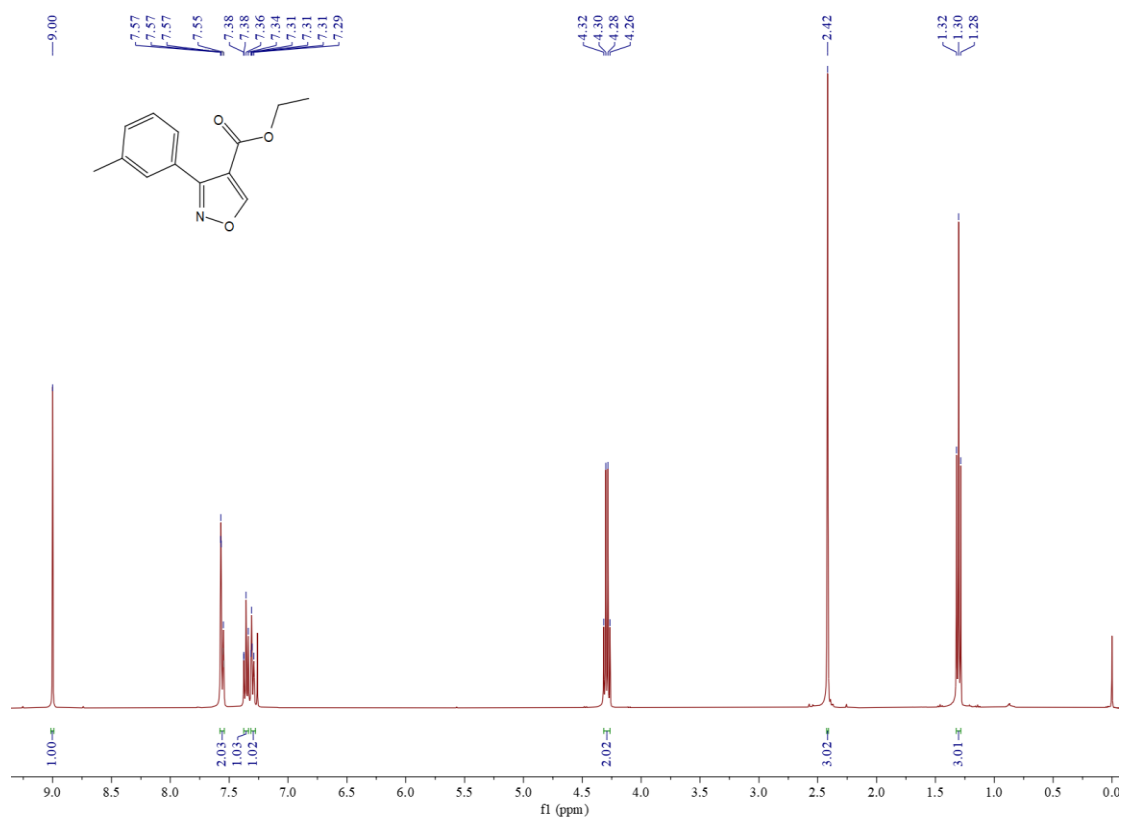


Figure S67 ¹H NMR spectrum of compound 5e

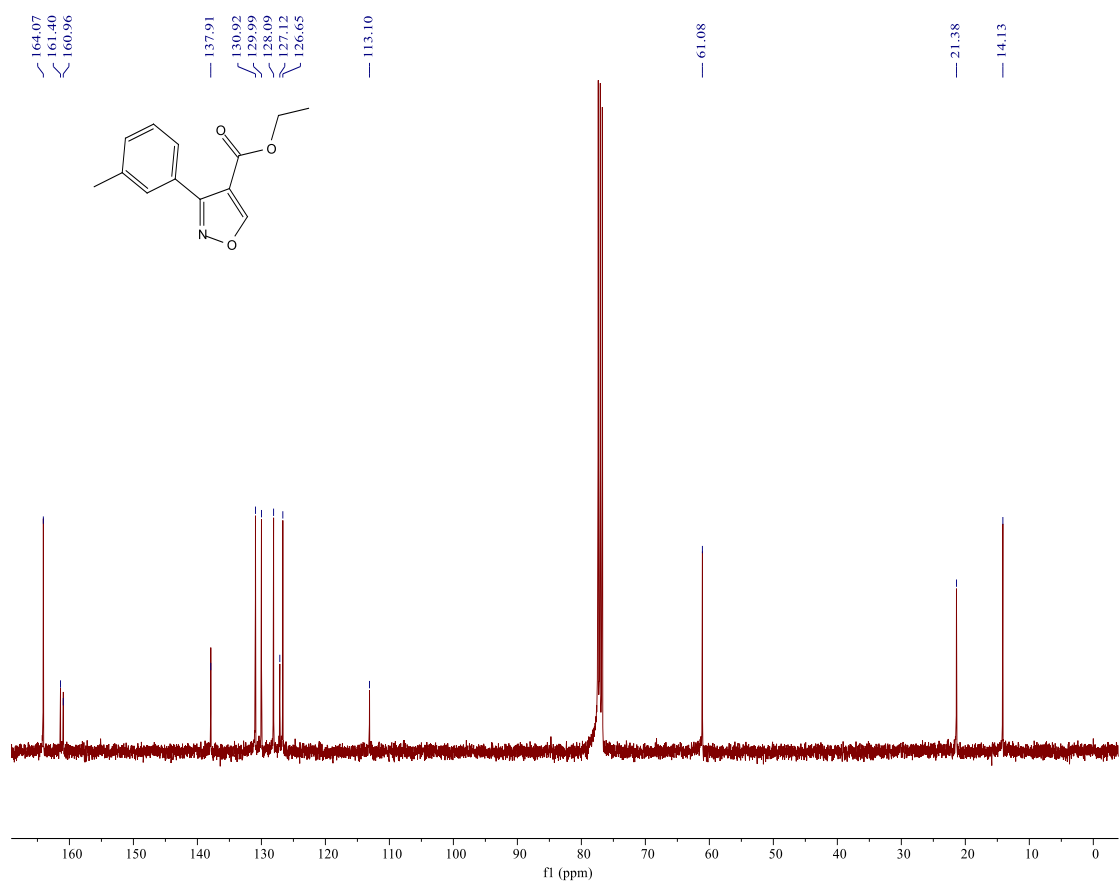


Figure S68 ¹³C NMR spectrum of compound 5e

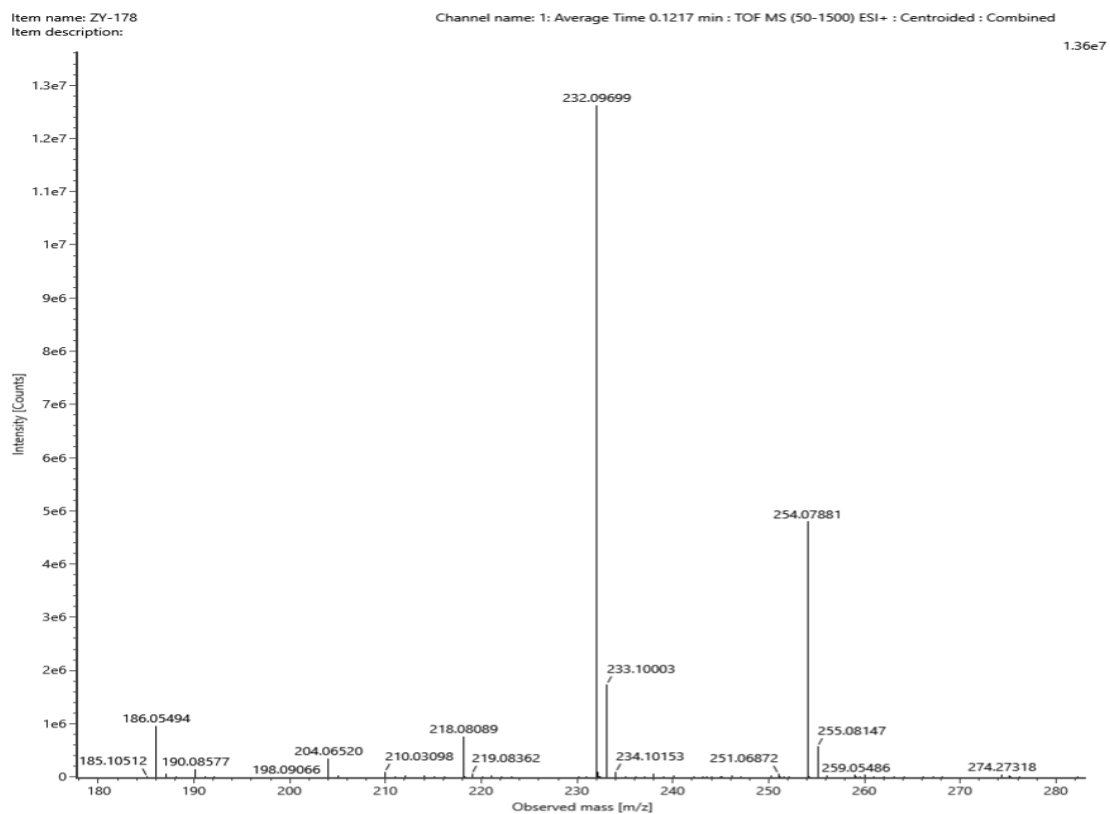


Figure S69 HRMS spectrum of compound 5e

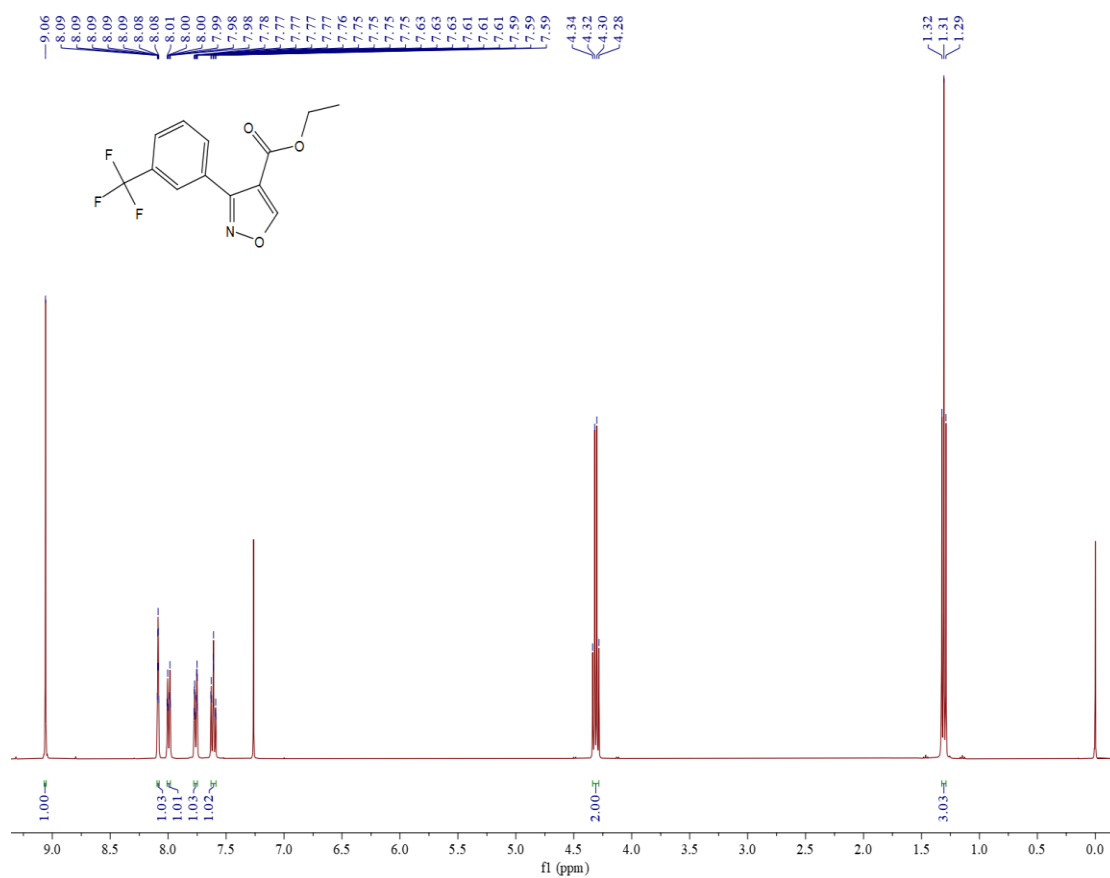


Figure S70 ¹H NMR spectrum of compound 5f

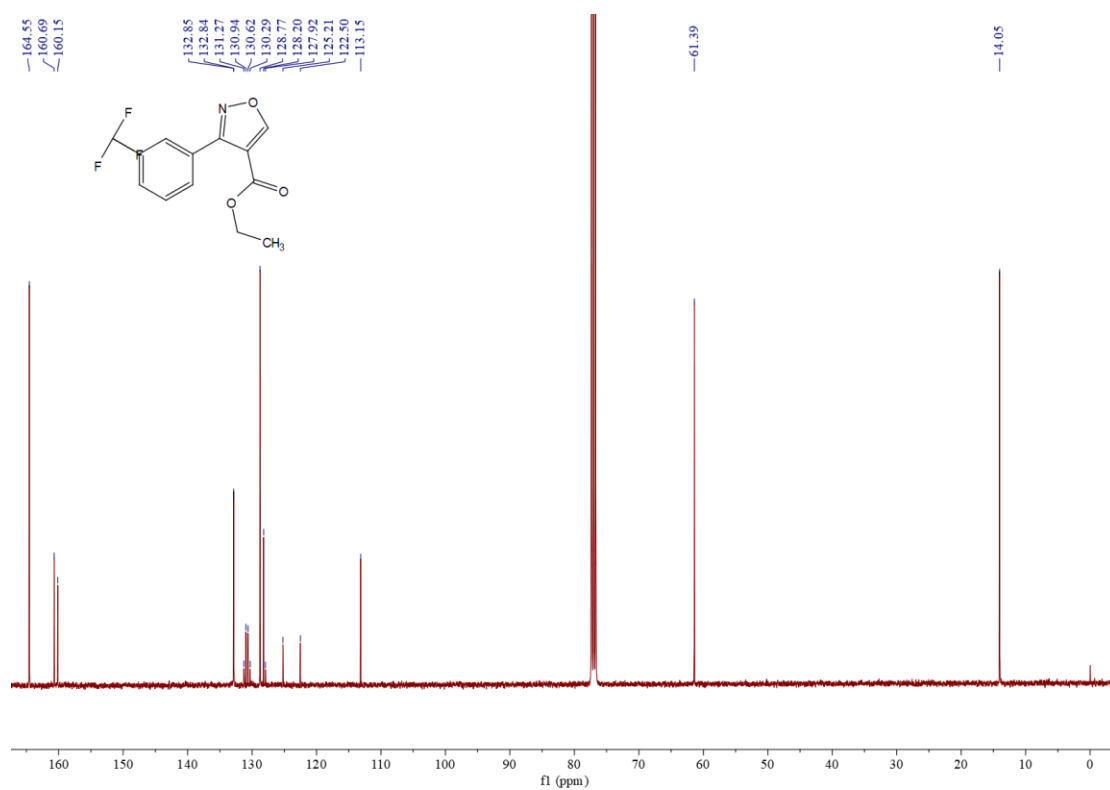


Figure S71 ¹³C NMR spectrum of compound **5f**

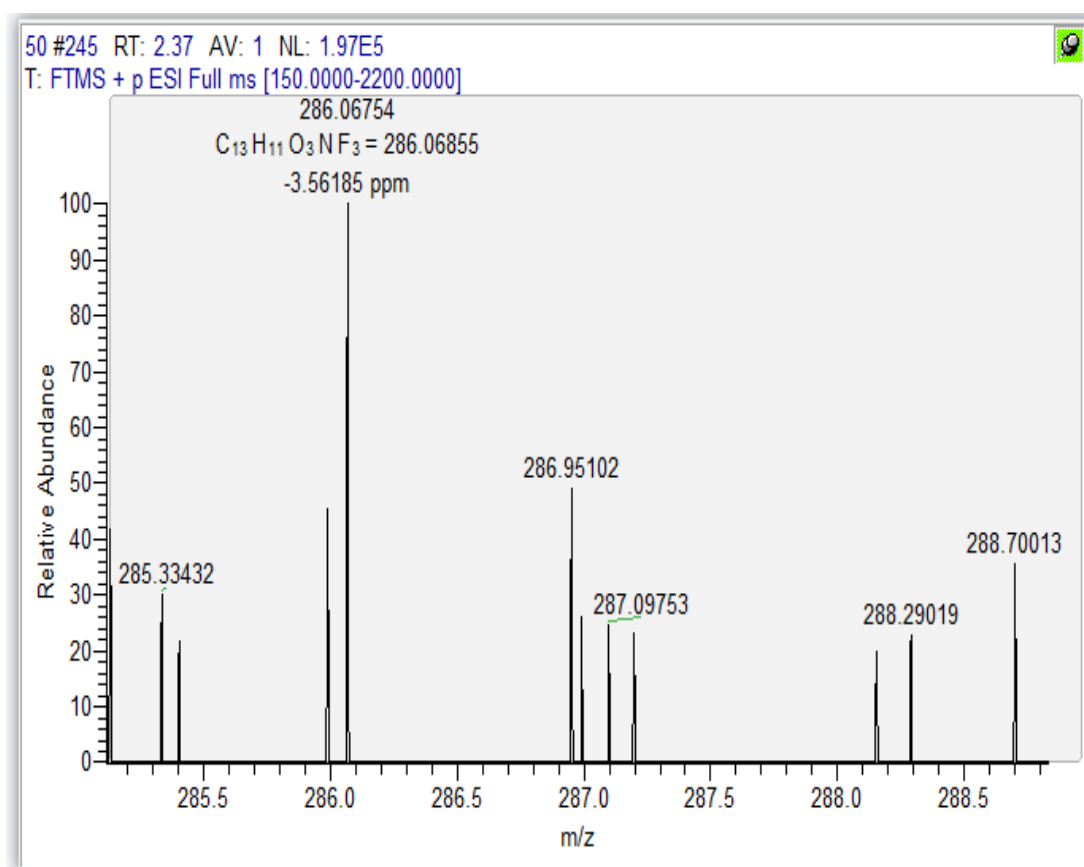


Figure S72 HRMS spectrum of compound **5f**

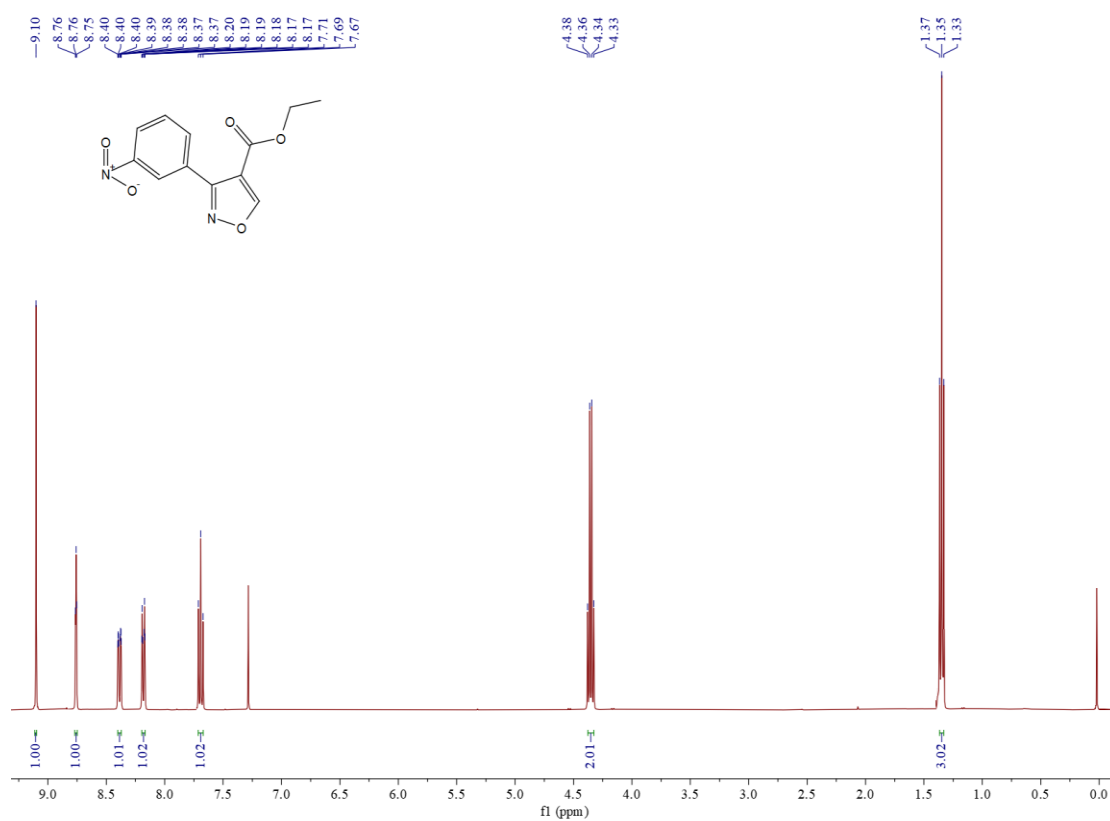


Figure S73 ¹H NMR spectrum of compound 5g

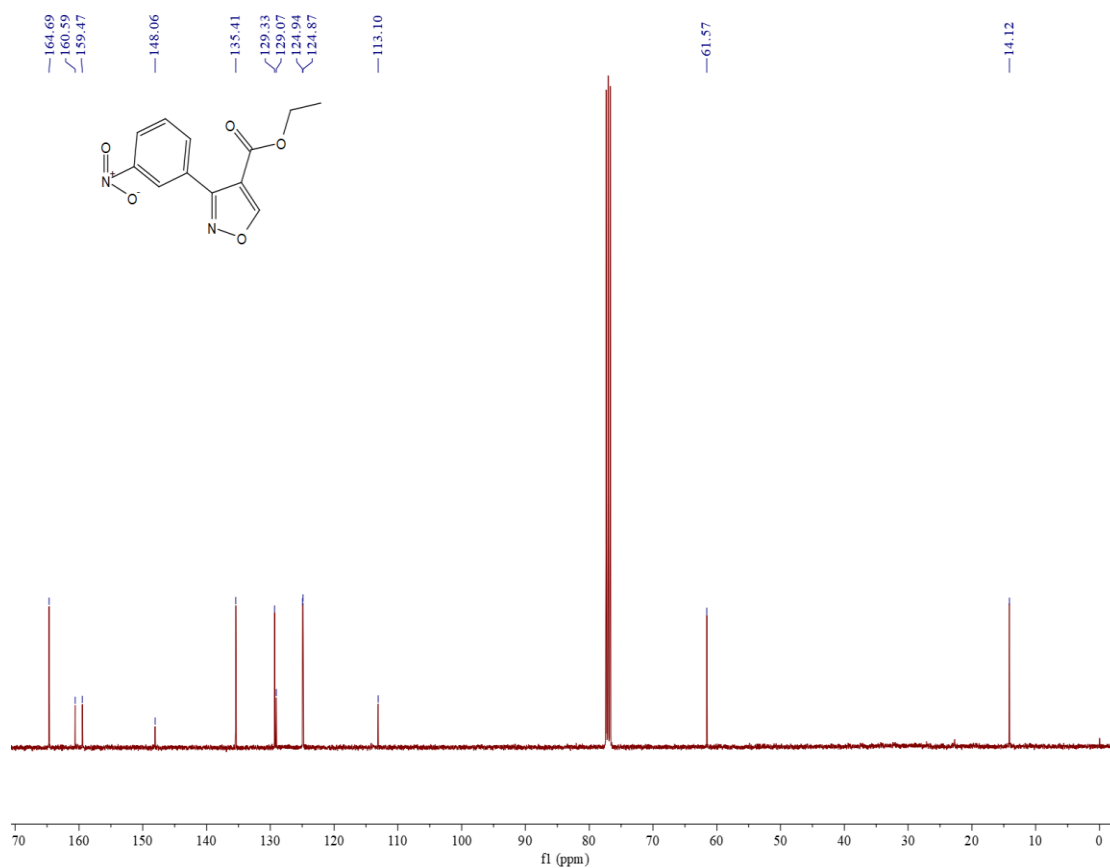


Figure S74 ¹³C NMR spectrum of compound 5g

Item name: ZY-261
Item description:

Channel name: 1: Average Time 0.1174 min : TOF MS (50-1500) ESI+ : Centroided : Combined

7.97e5

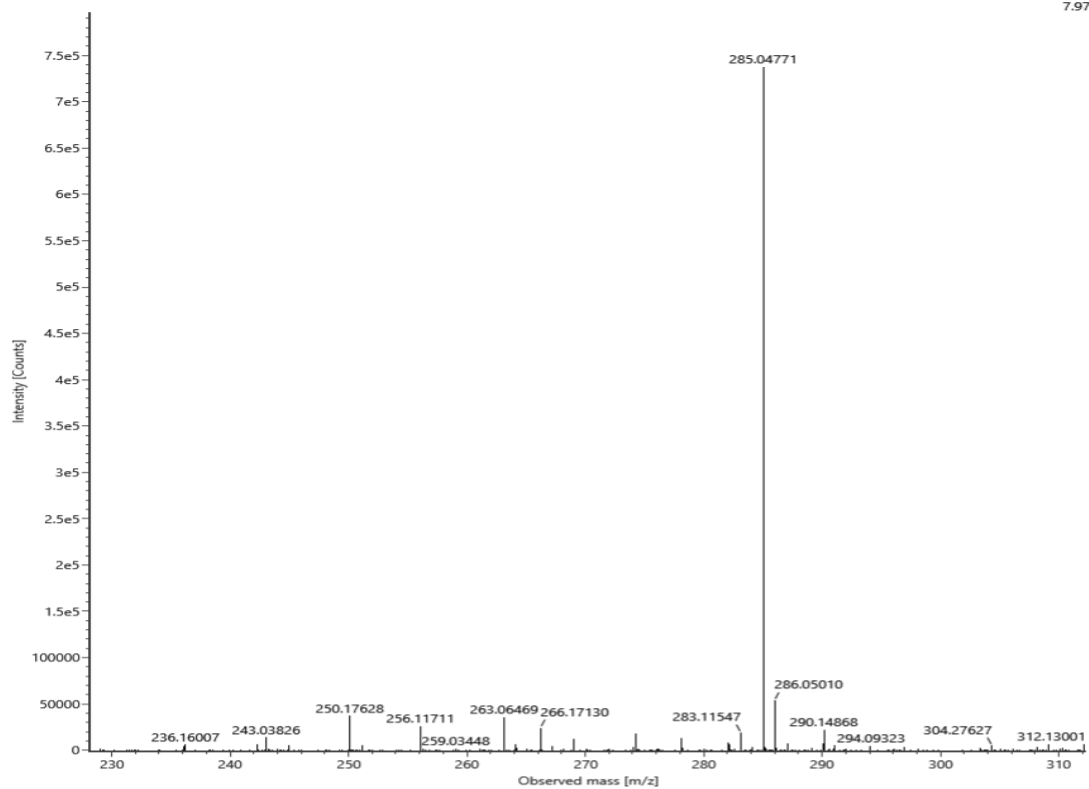


Figure S75 HRMS spectrum of compound 5g

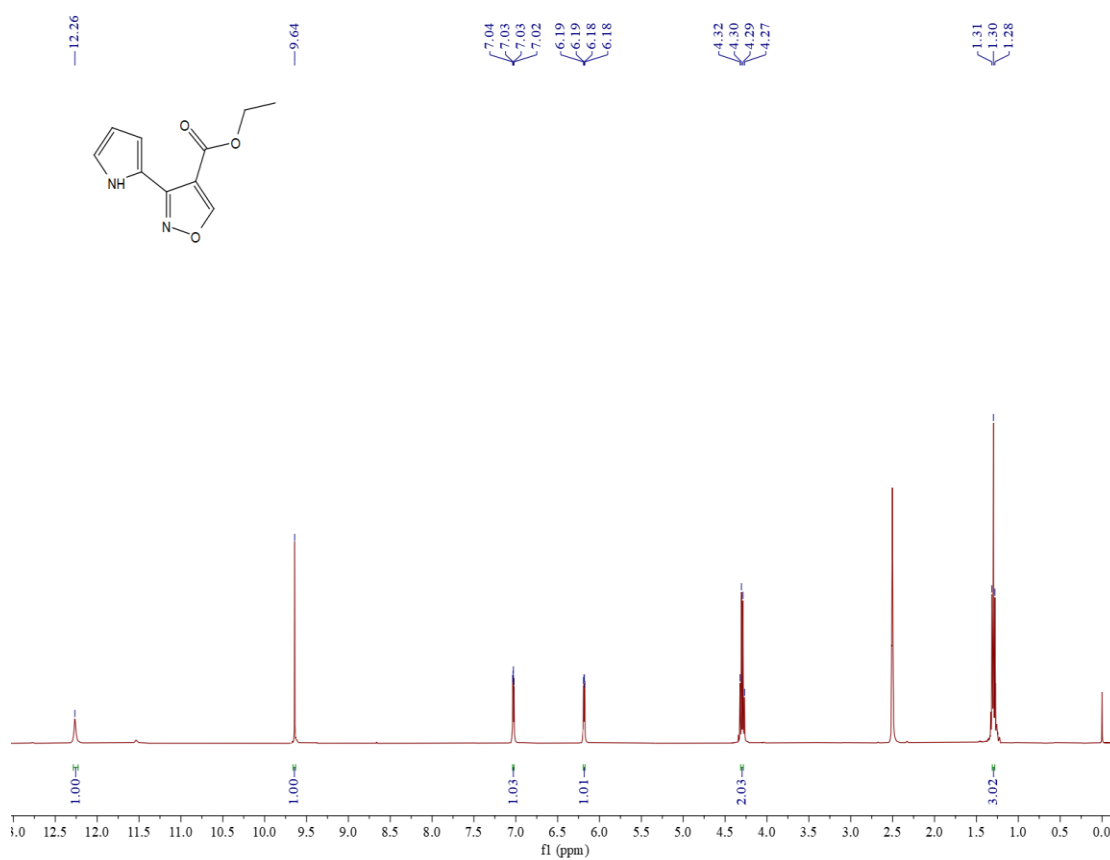


Figure S76 ¹H NMR spectrum of compound 5h

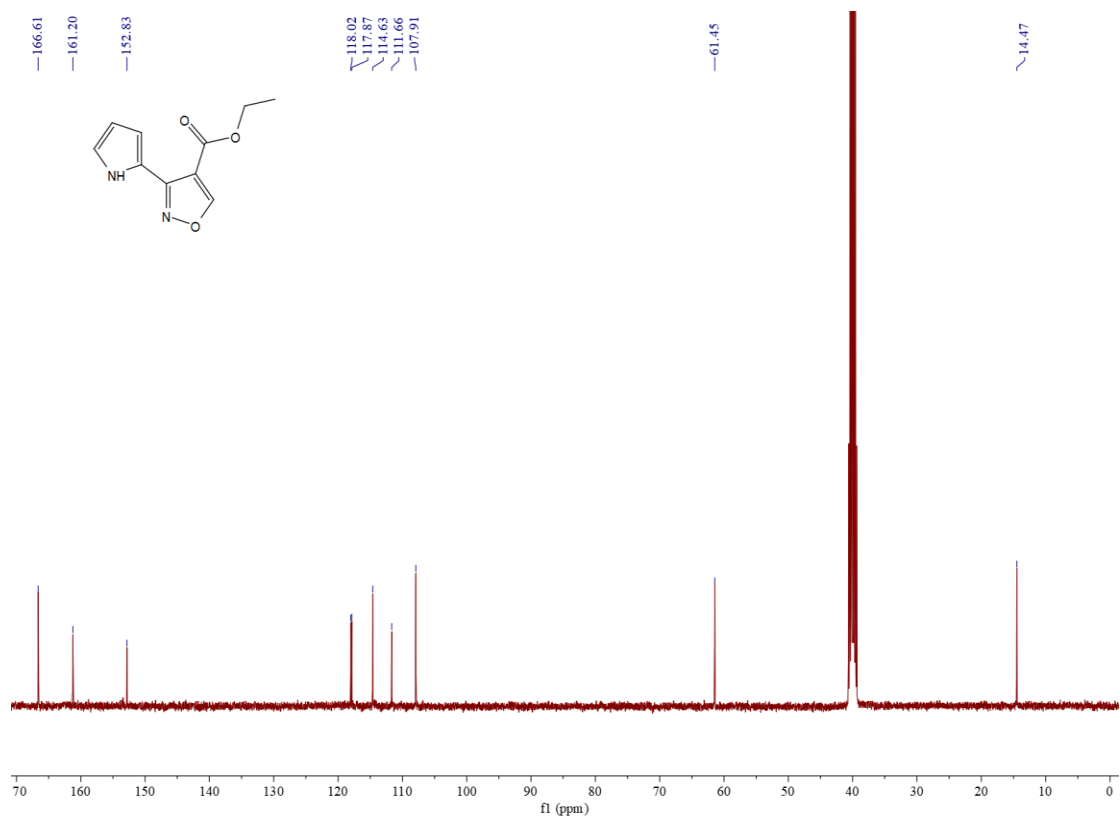


Figure S77 ¹³C NMR spectrum of compound 5h

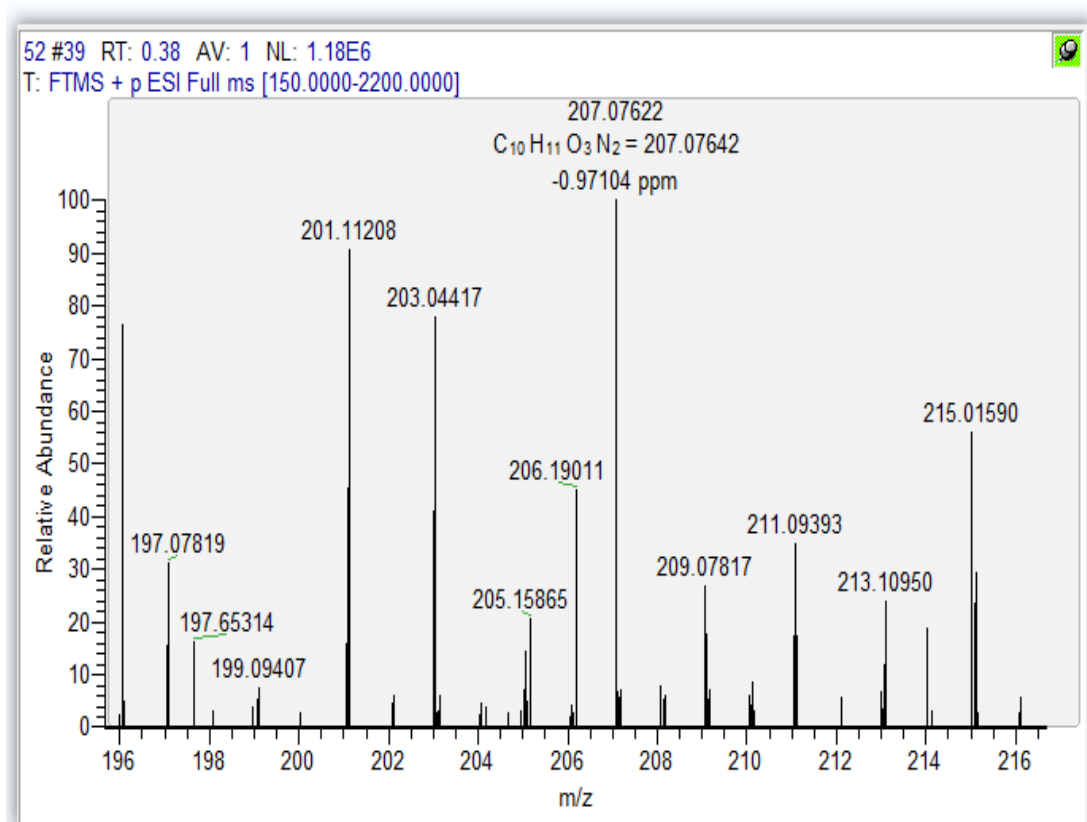


Figure S78 HRMS spectrum of compound 5h

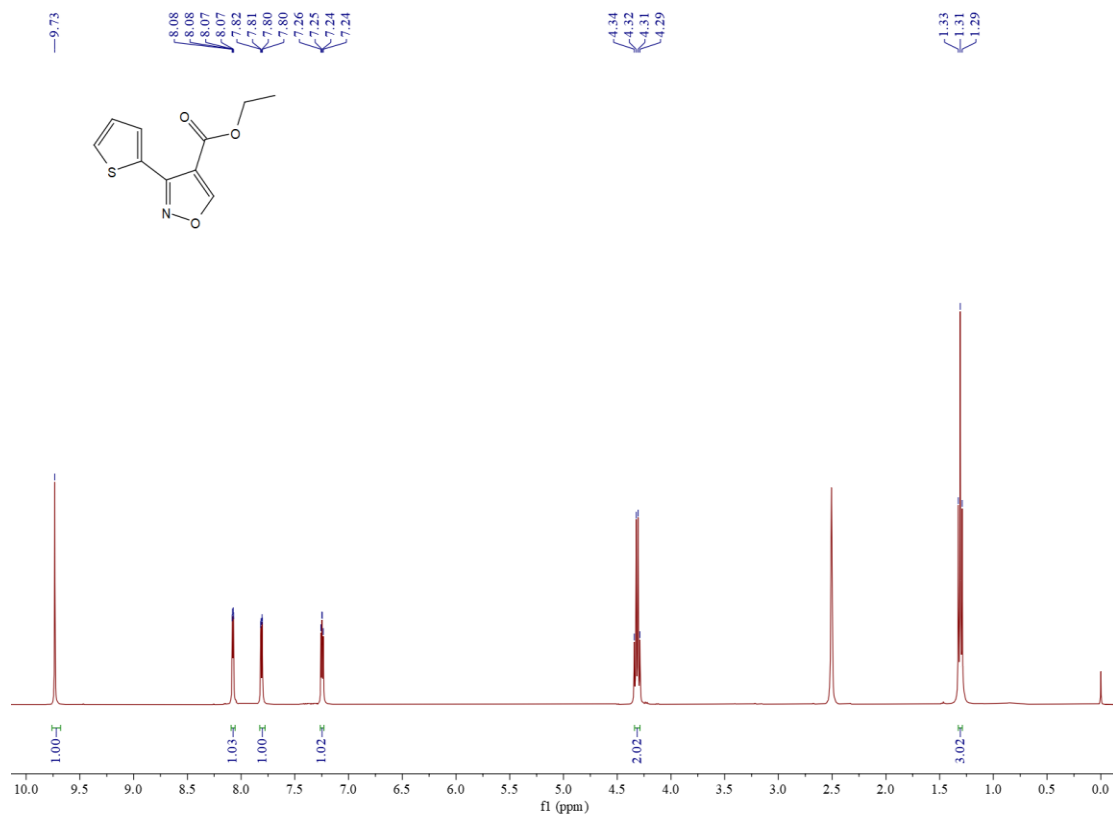


Figure S79 ¹H NMR spectrum of compound **5i**

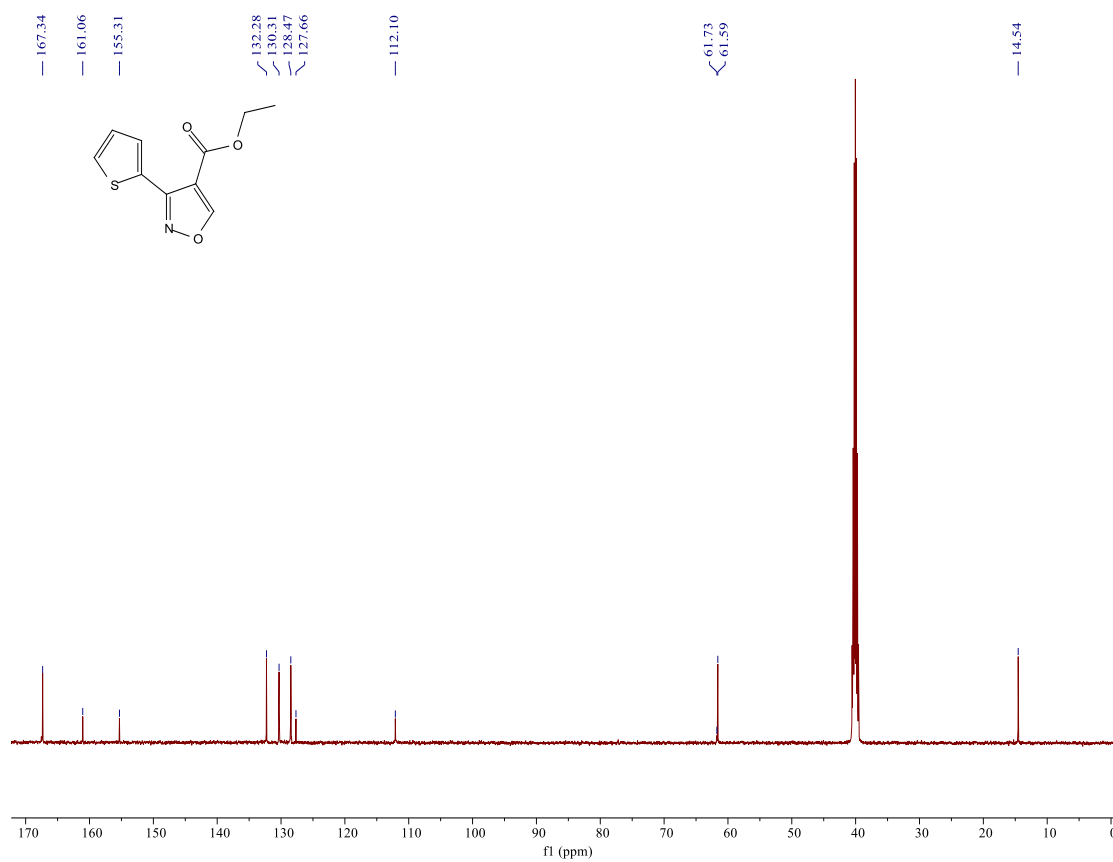


Figure S80 ¹³C NMR spectrum of compound **5i**

Item name: ZY-234
Item description:

Channel name: 1: Average Time 0.1174 min : TOF MS (50-1500) ESI+ : Centroided : Combined

2.73e6

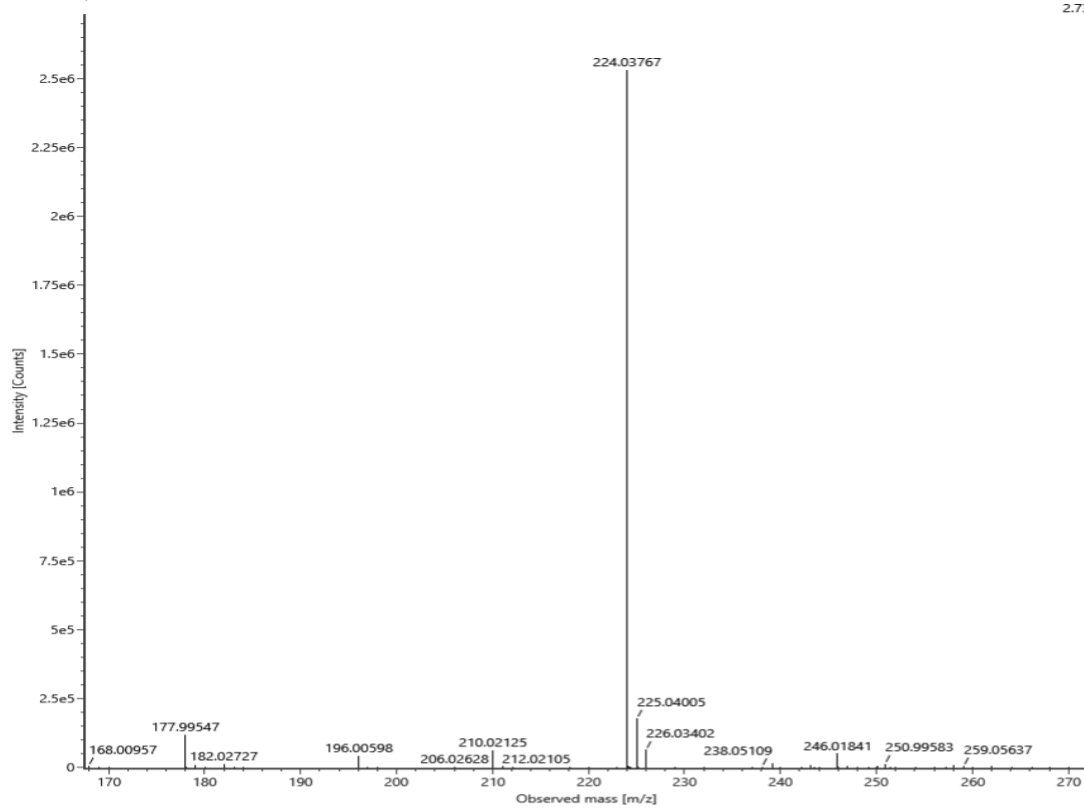


Figure S81 HRMS spectrum of compound 5i

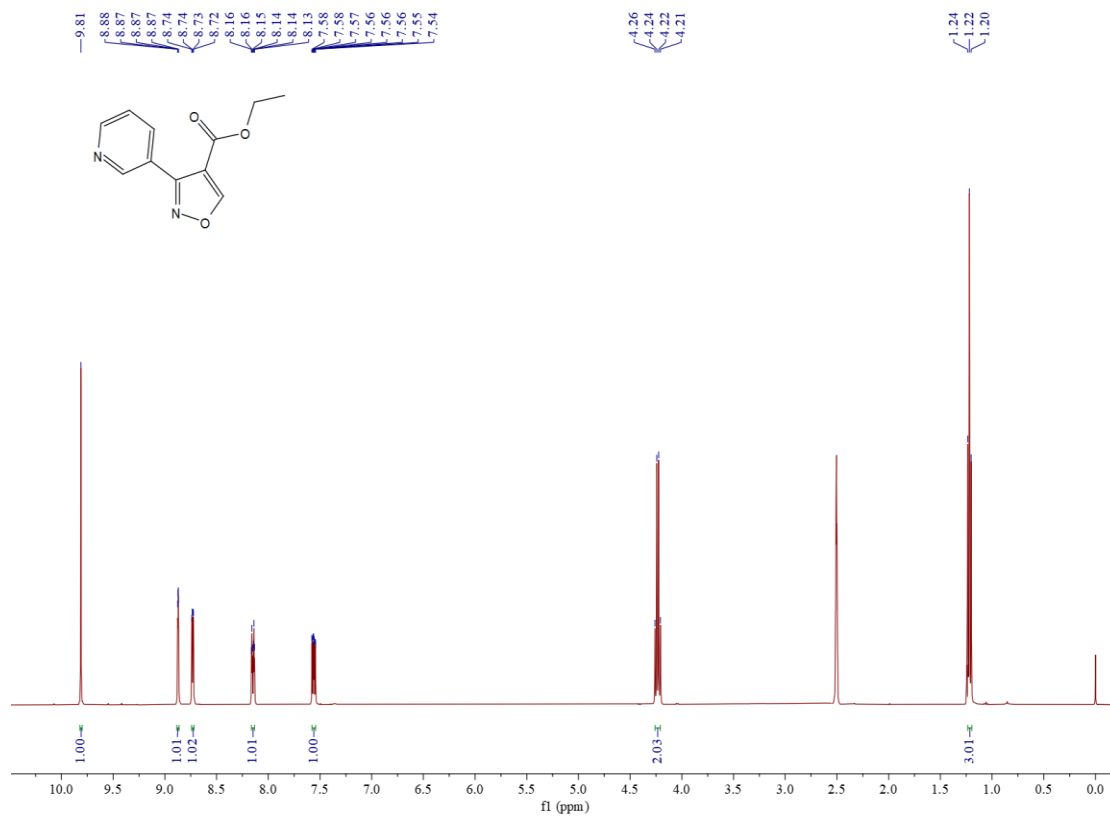


Figure S82 ¹H NMR spectrum of compound 5j

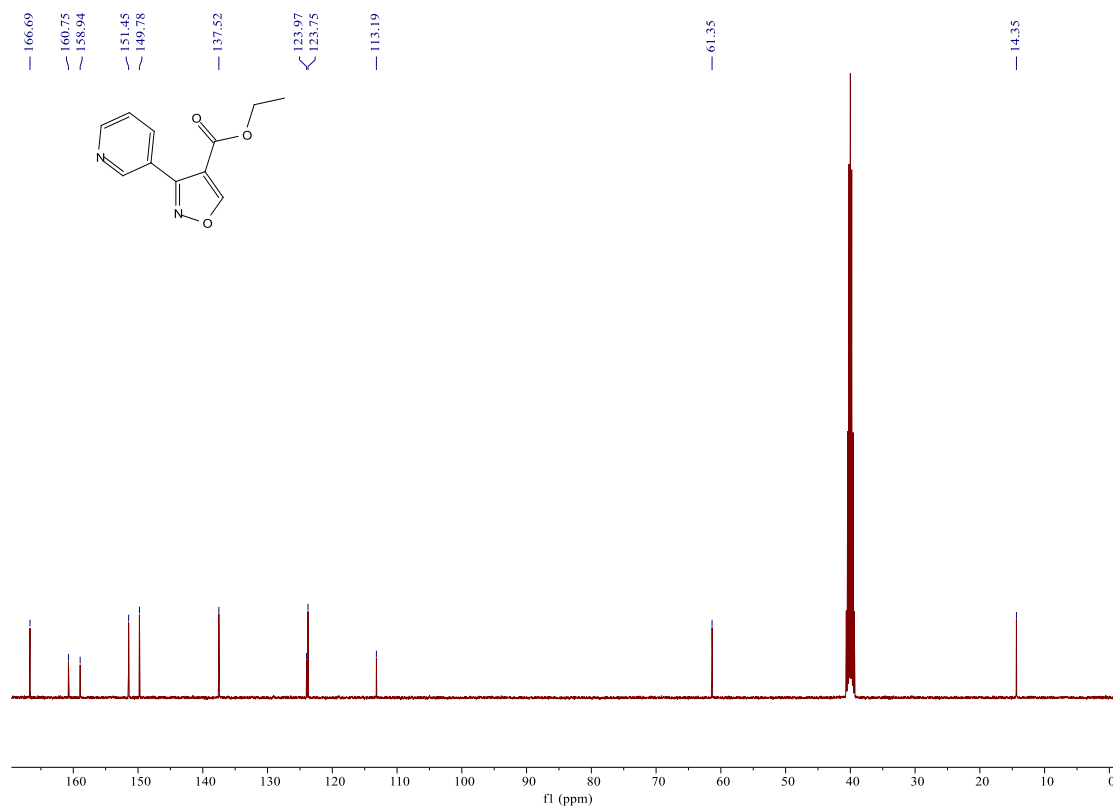


Figure S83 ¹³C NMR spectrum of compound **5j**

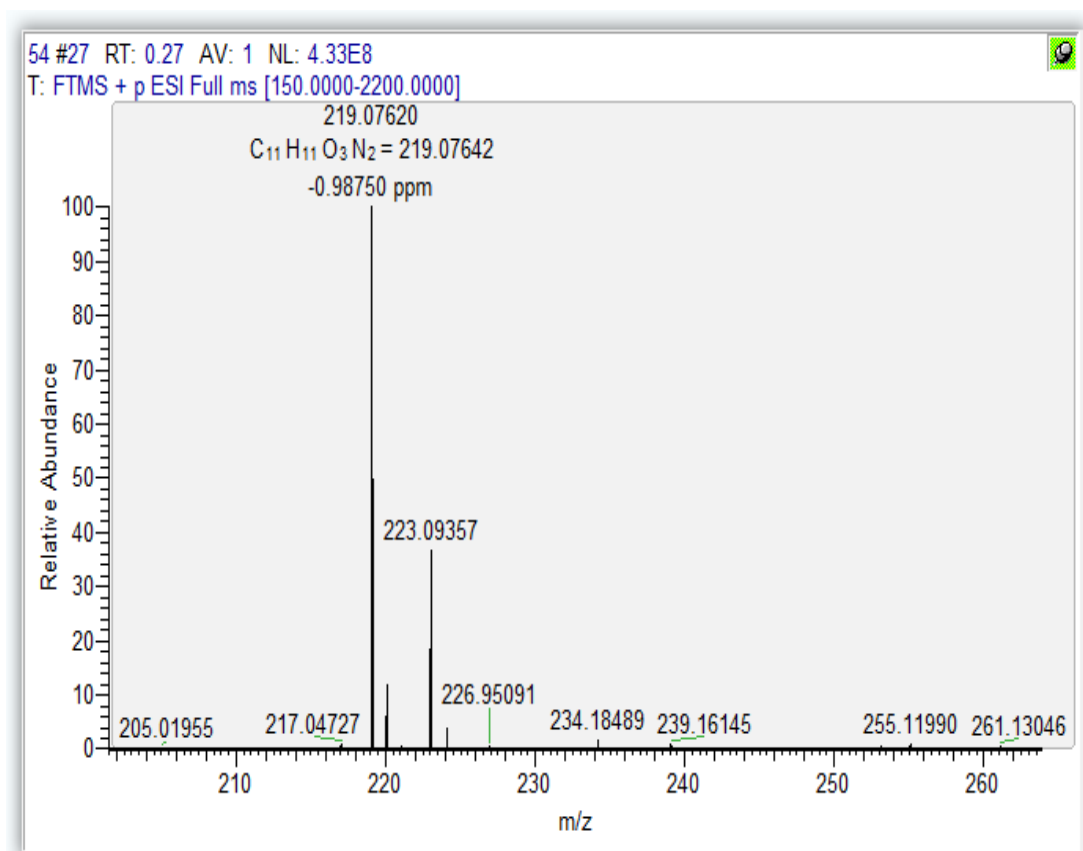


Figure S84 HRMS spectrum of compound **5j**

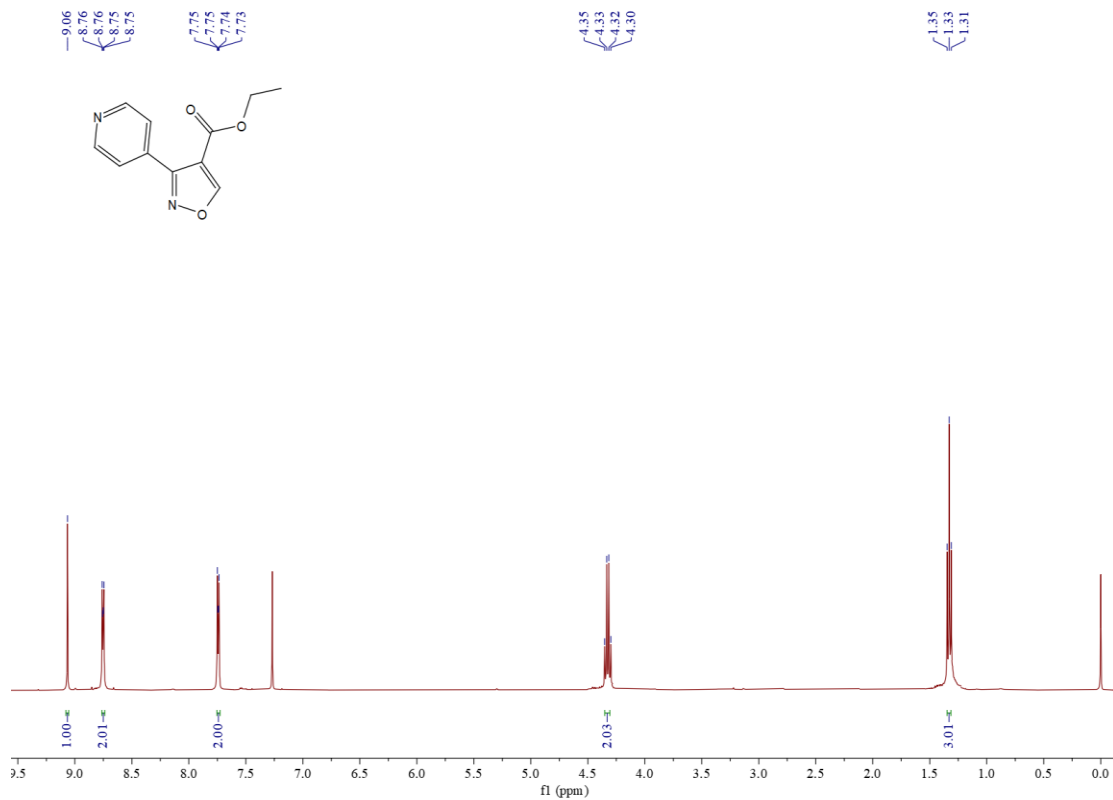


Figure S85 ¹H NMR spectrum of compound **5k**

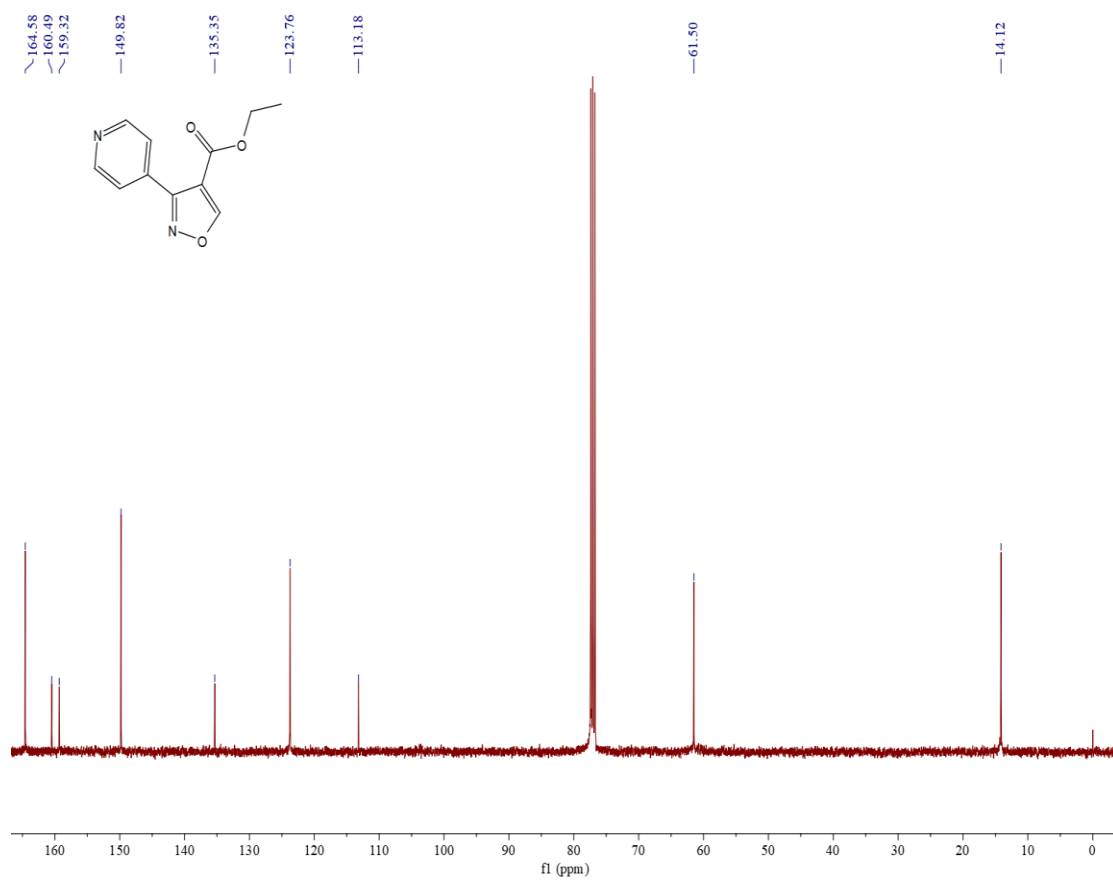


Figure S86 ¹³C NMR spectrum of compound **5k**

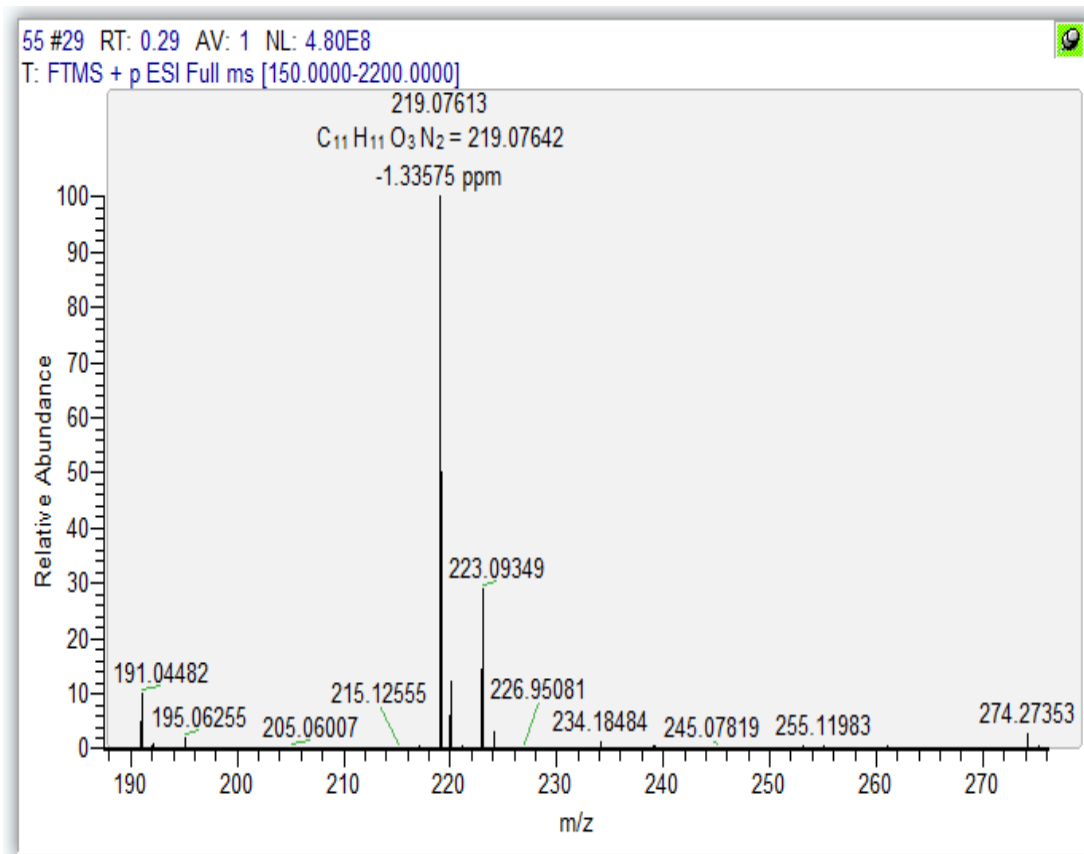


Figure S87 HRMS spectrum of compound **5k**

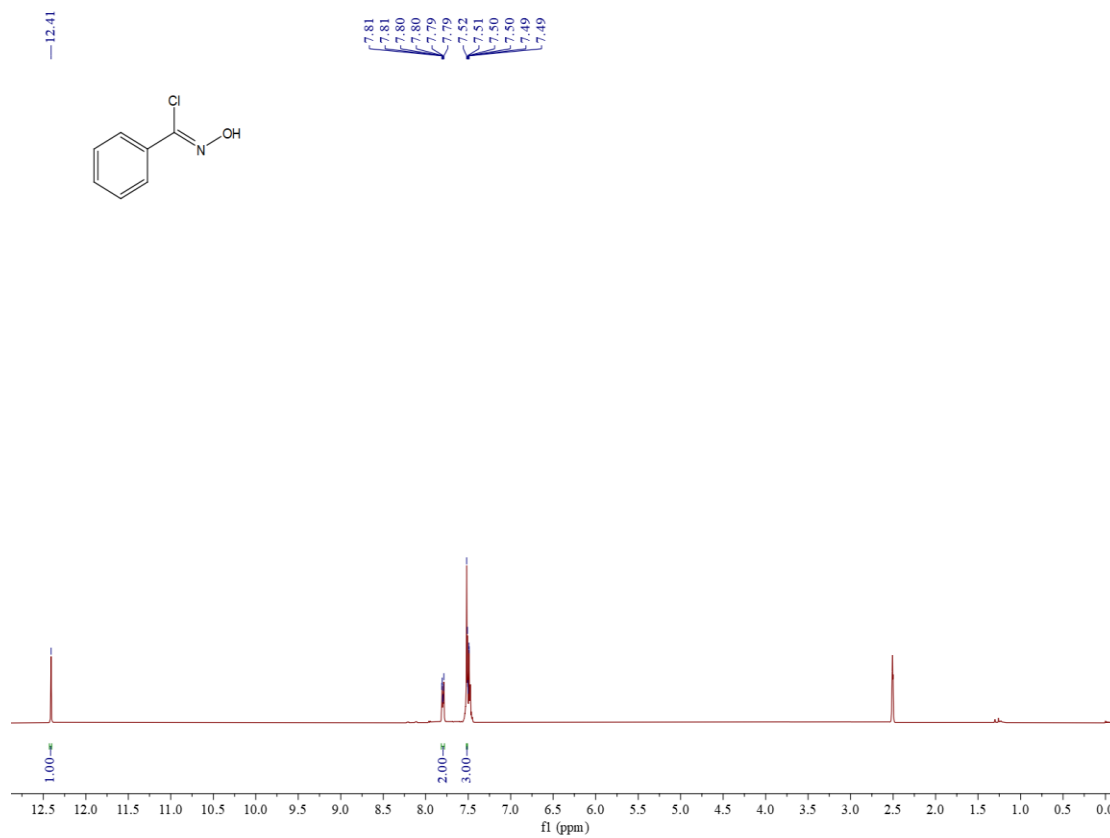


Figure S88 1H NMR spectrum of compound **6a**

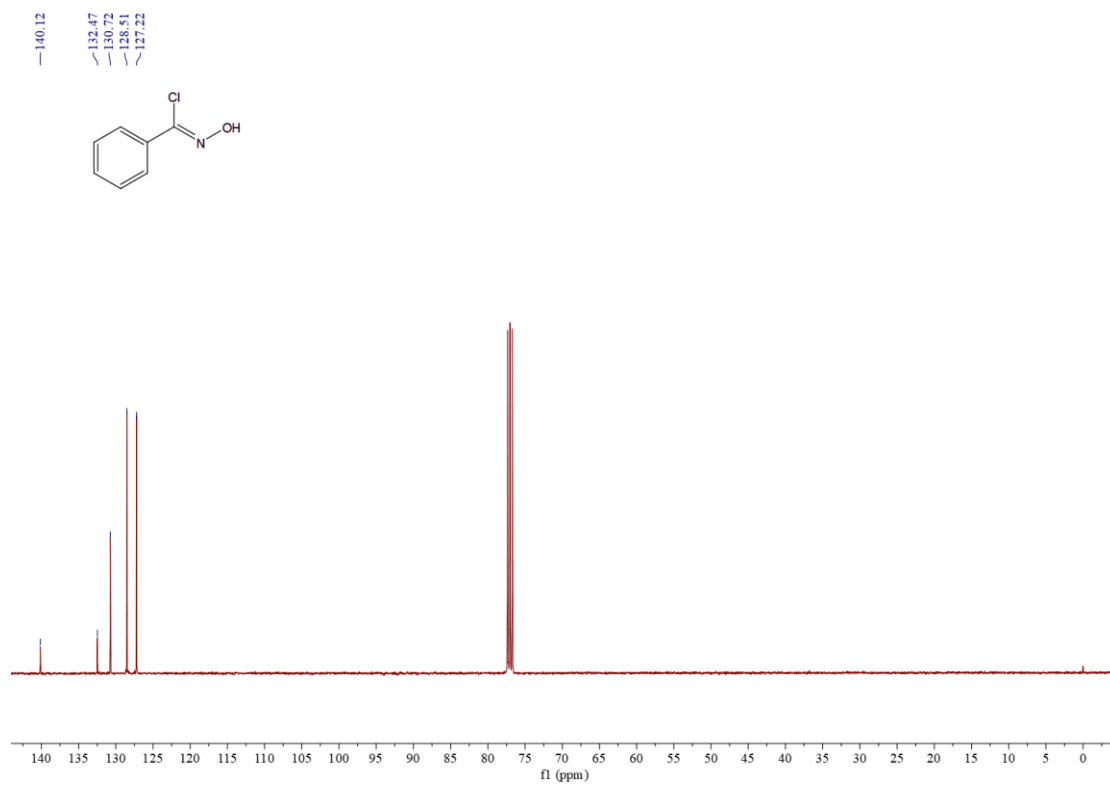


Figure S89 ^{13}C NMR spectrum of compound **6a**