Synthesis and antitumor activity evaluation of novel substituted 5*H*-benzo[*i*][1,3,4]thiadiazolo[3,2-*a*]quinazoline-6,7-diones

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Content

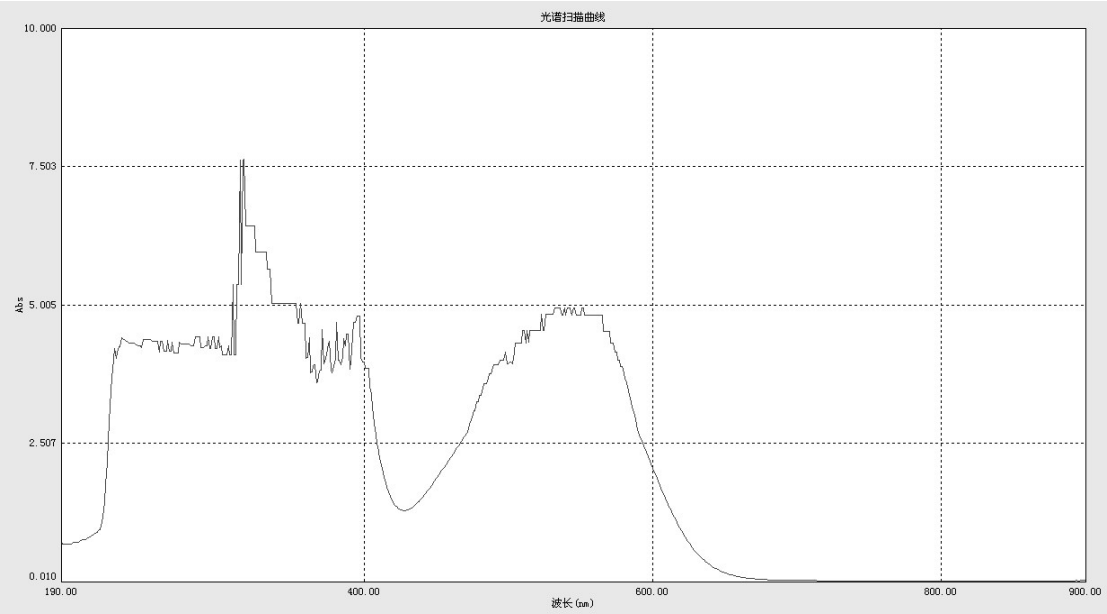


Figure 1 UV-vis of **4a**

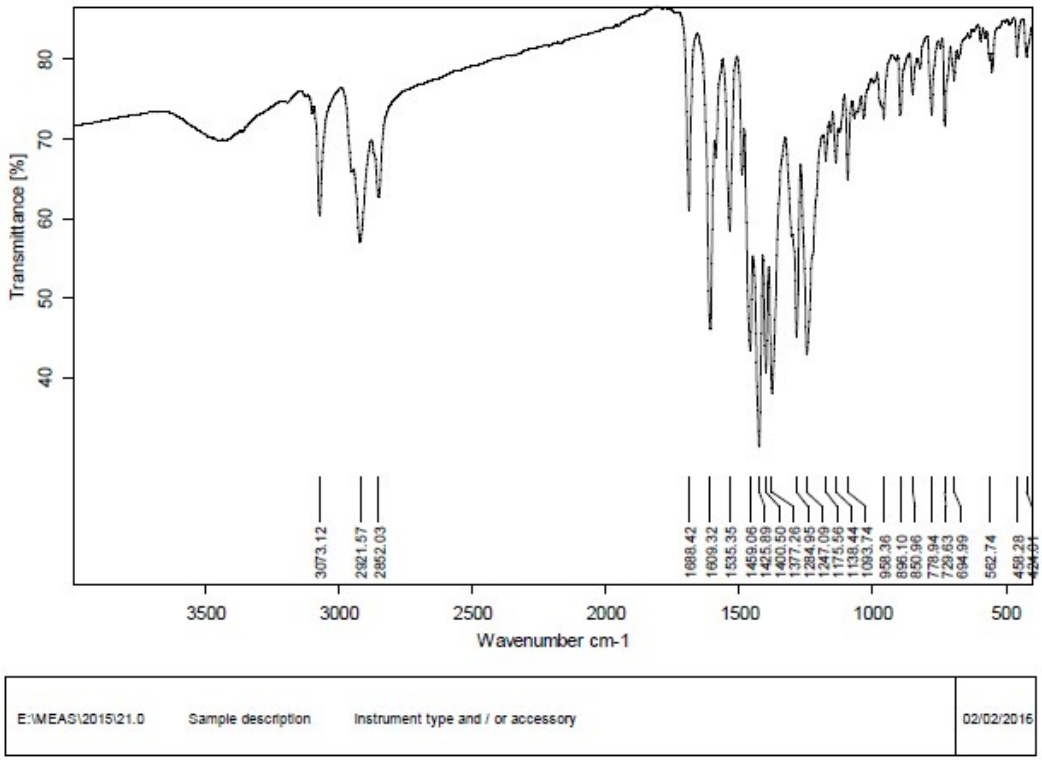


Figure 2 IR of **4a**

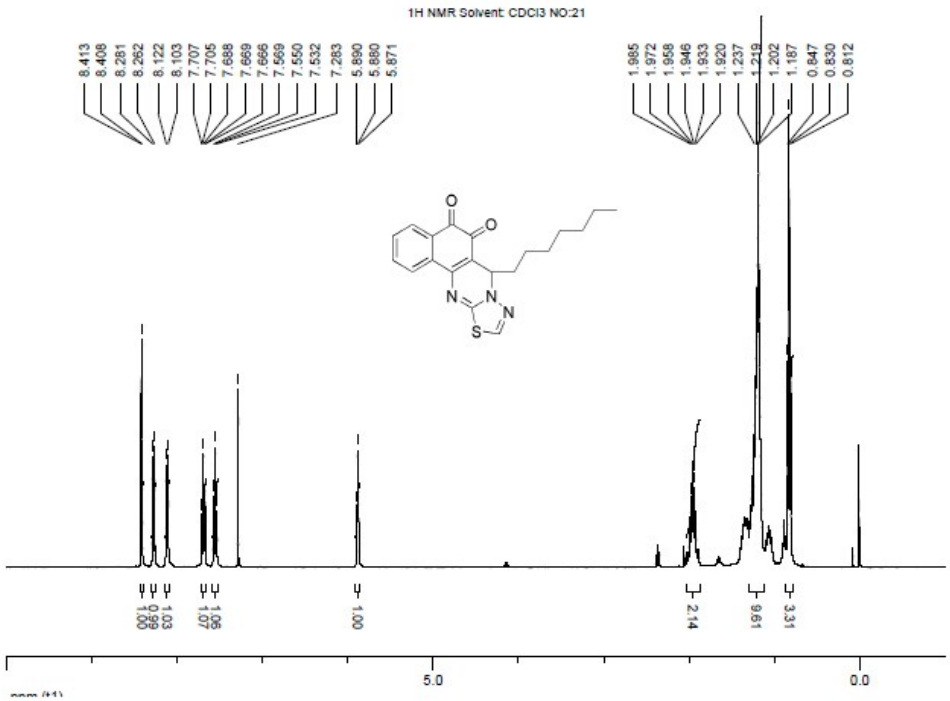


Figure 3 ^{1}H NMR of **4a**

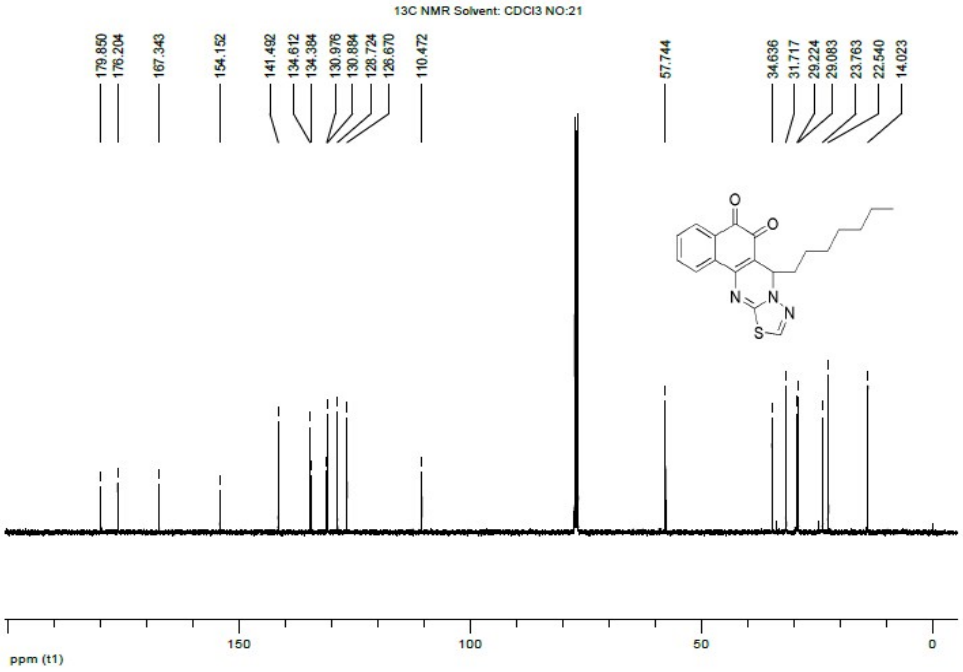


Figure 4 ^{13}C NMR of **4a**

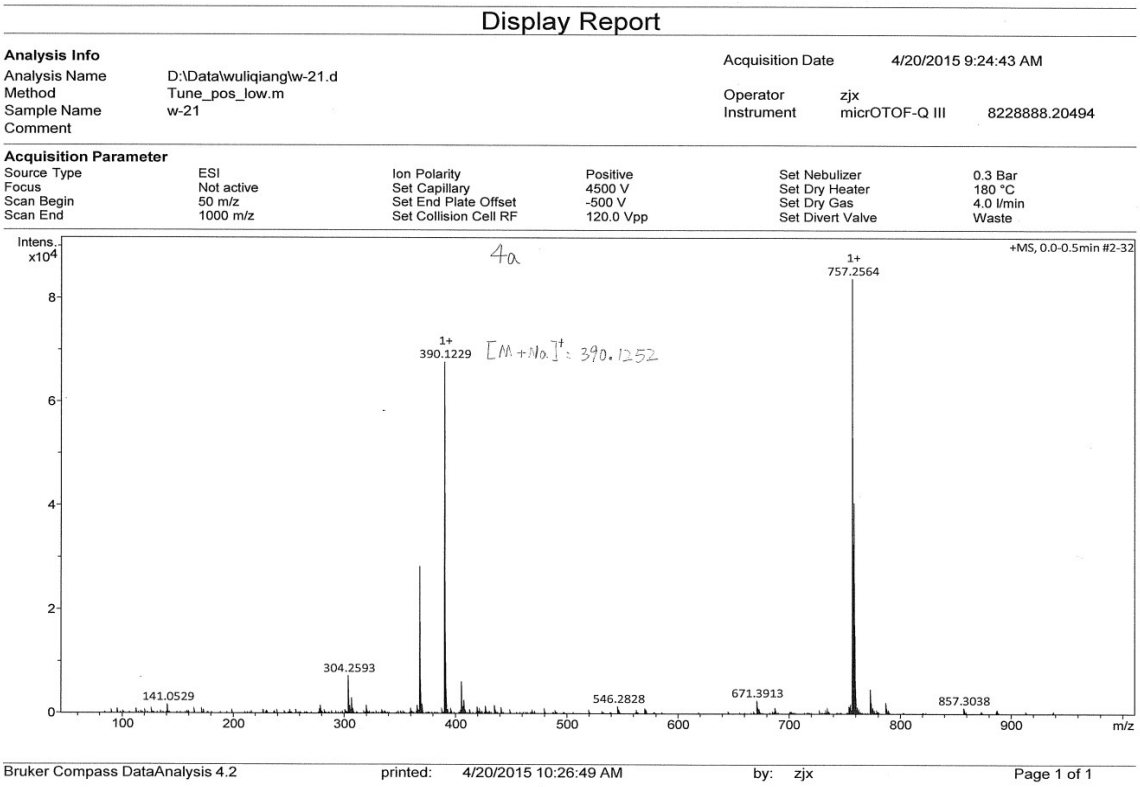


Figure 5 HRMC of **4a**

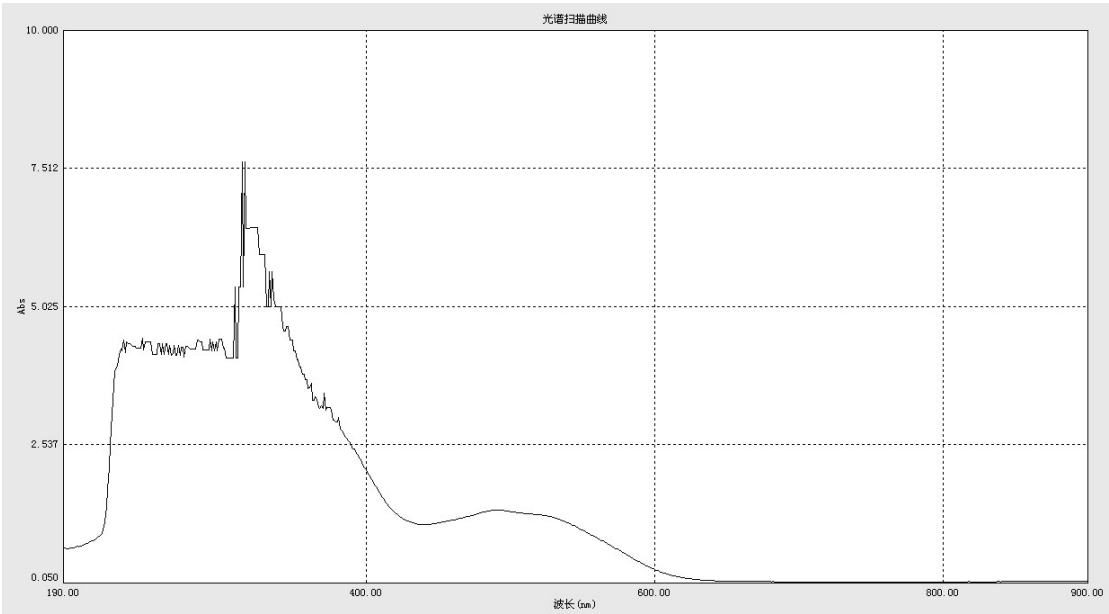
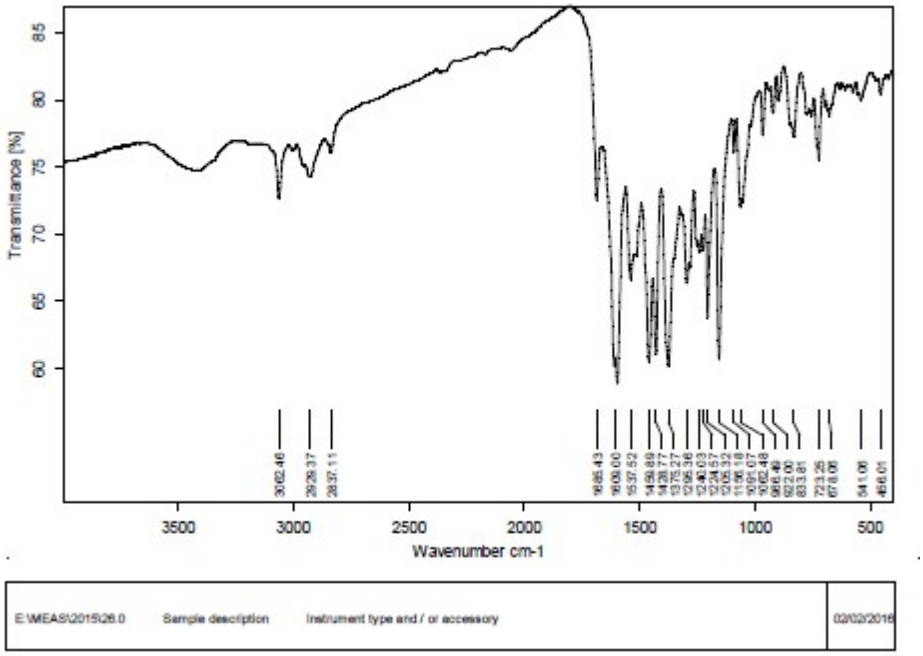


Figure 6 UV-vis of **4b**



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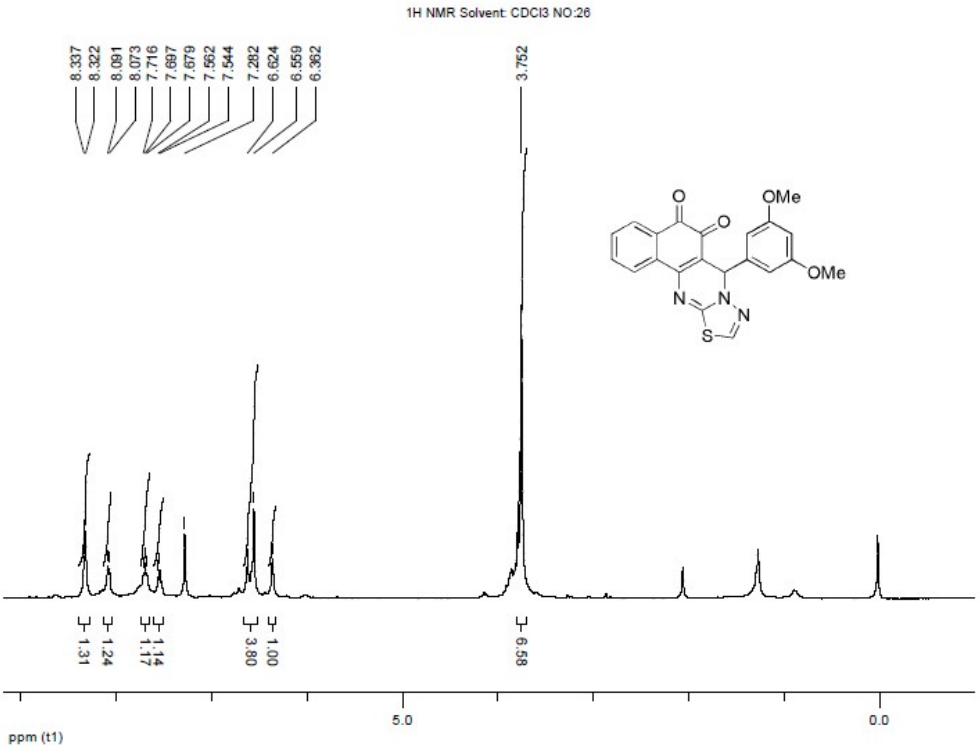

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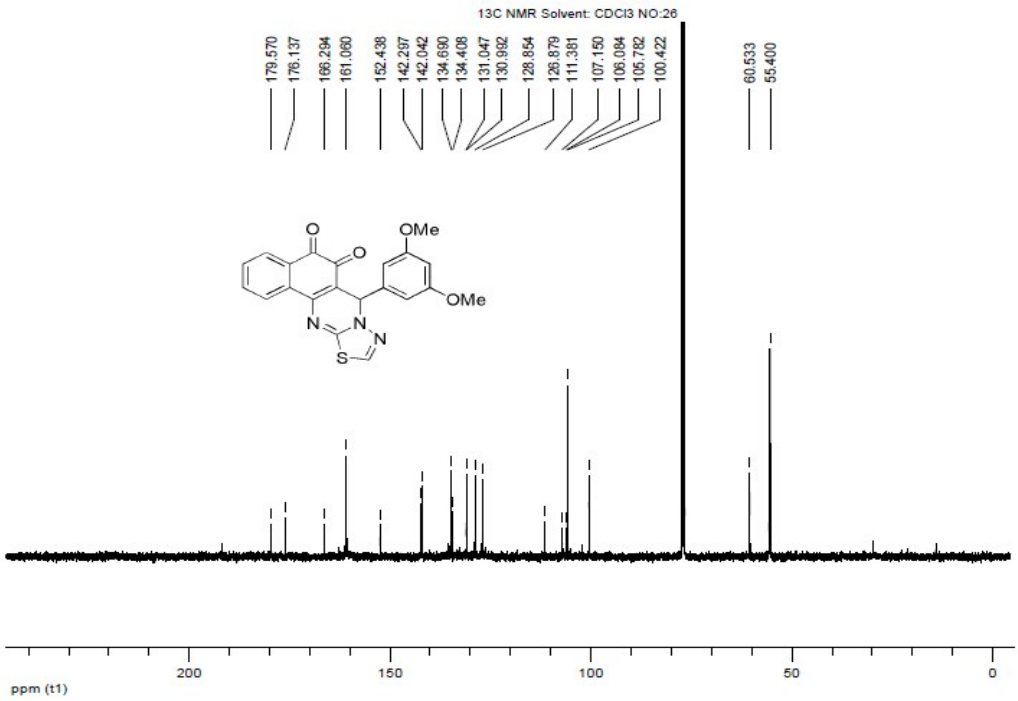

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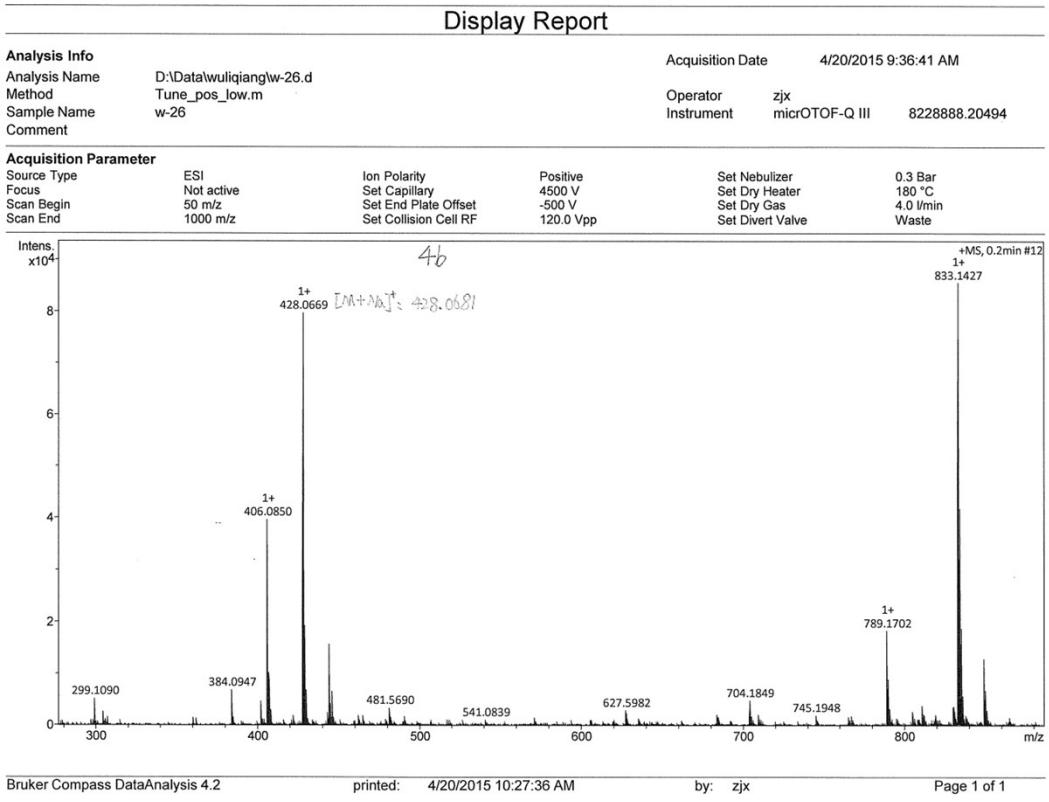

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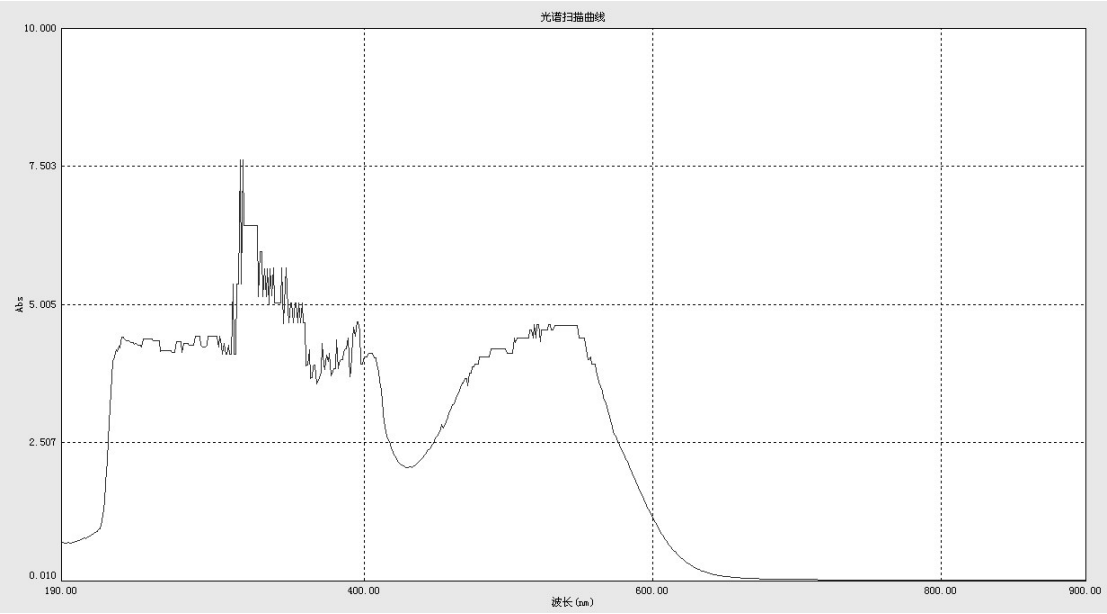
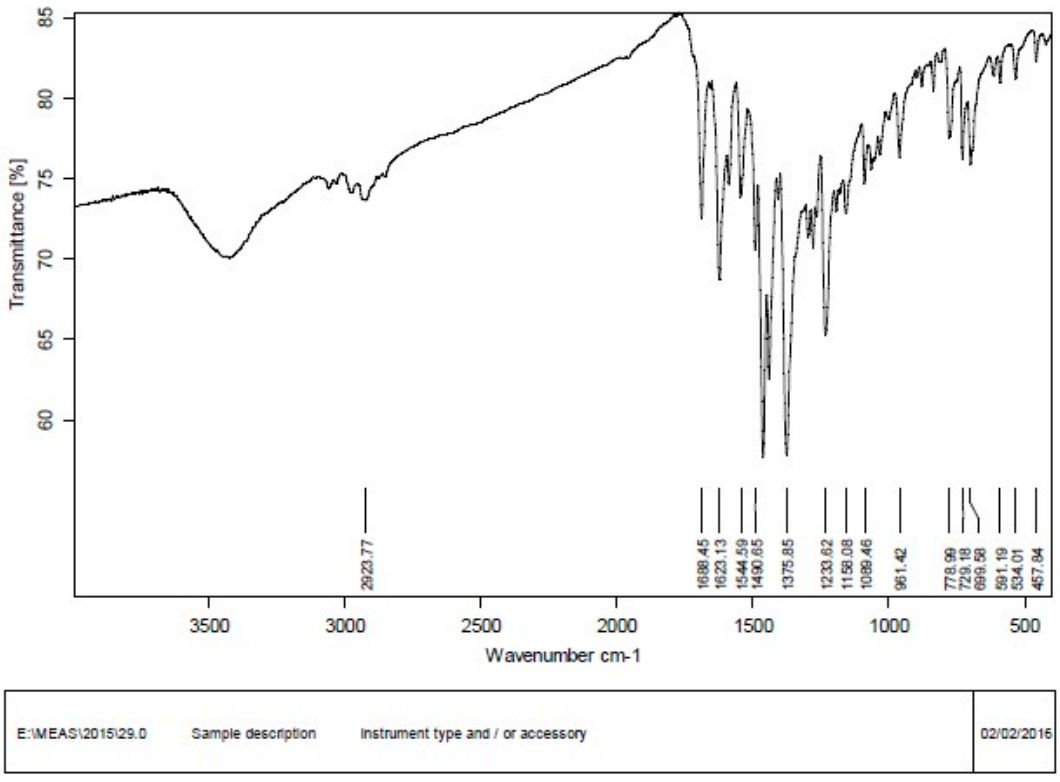


Figure 11 UV-vis of **4c**



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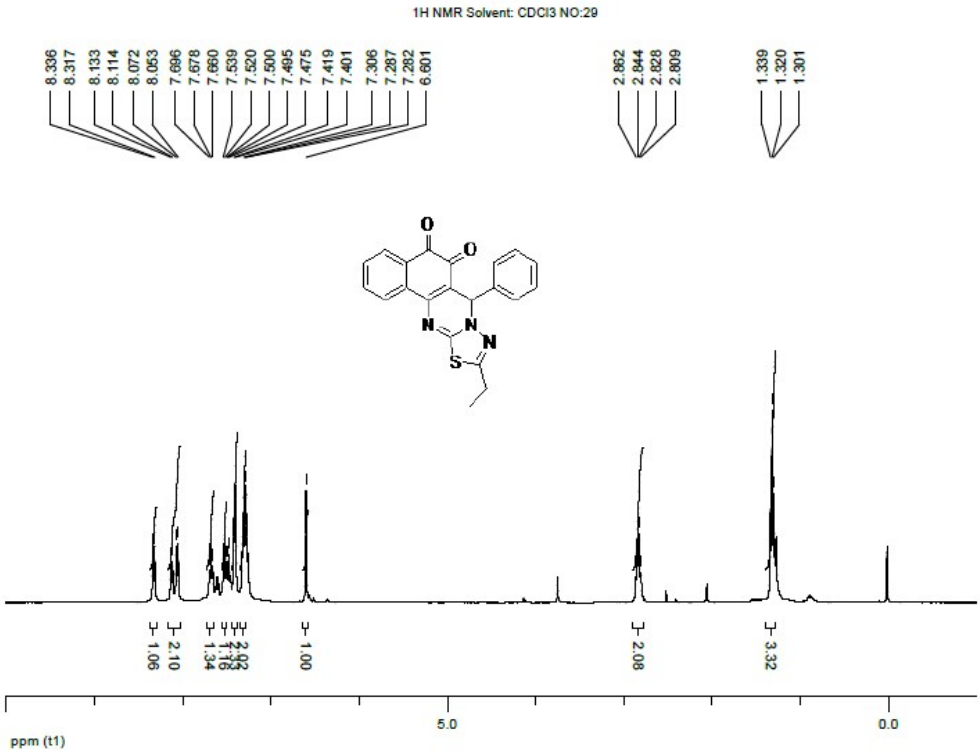

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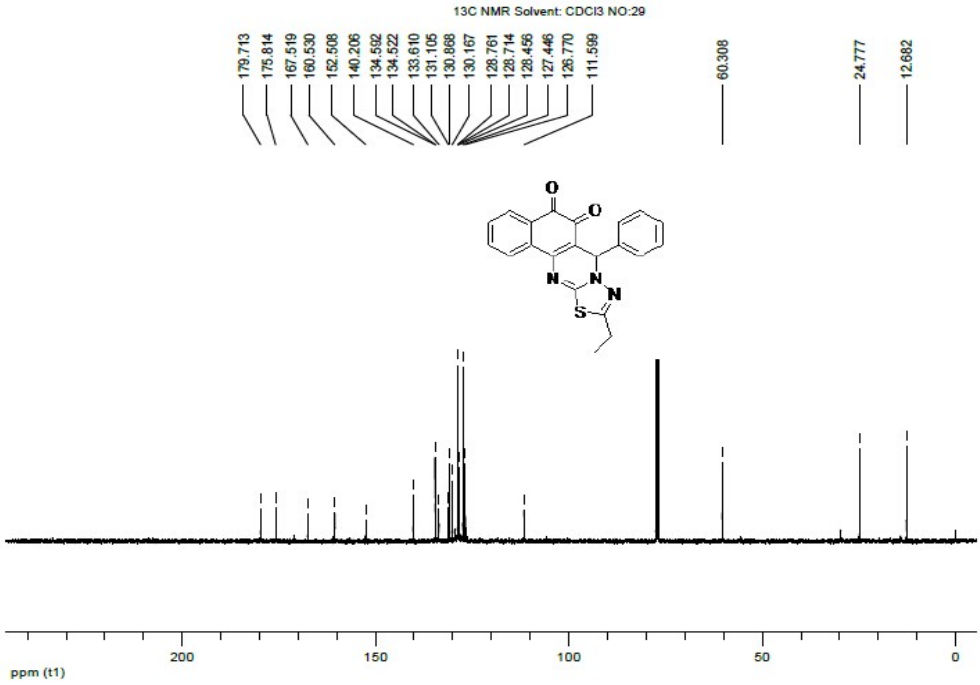

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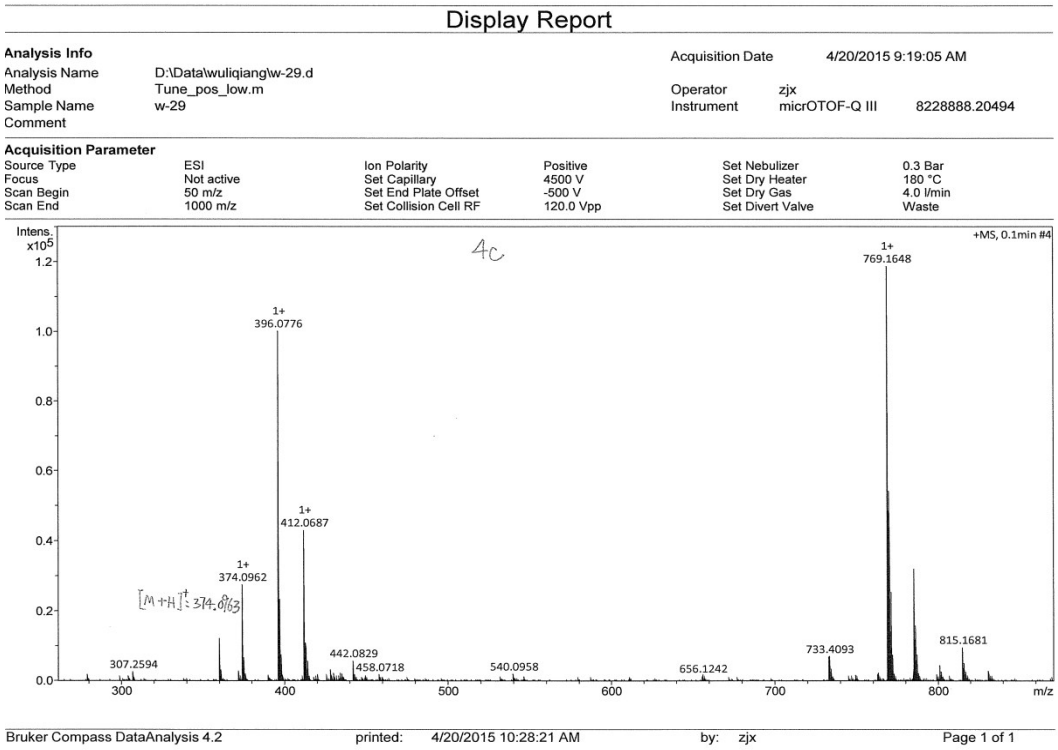


Figure 15 HRMS of **4c**

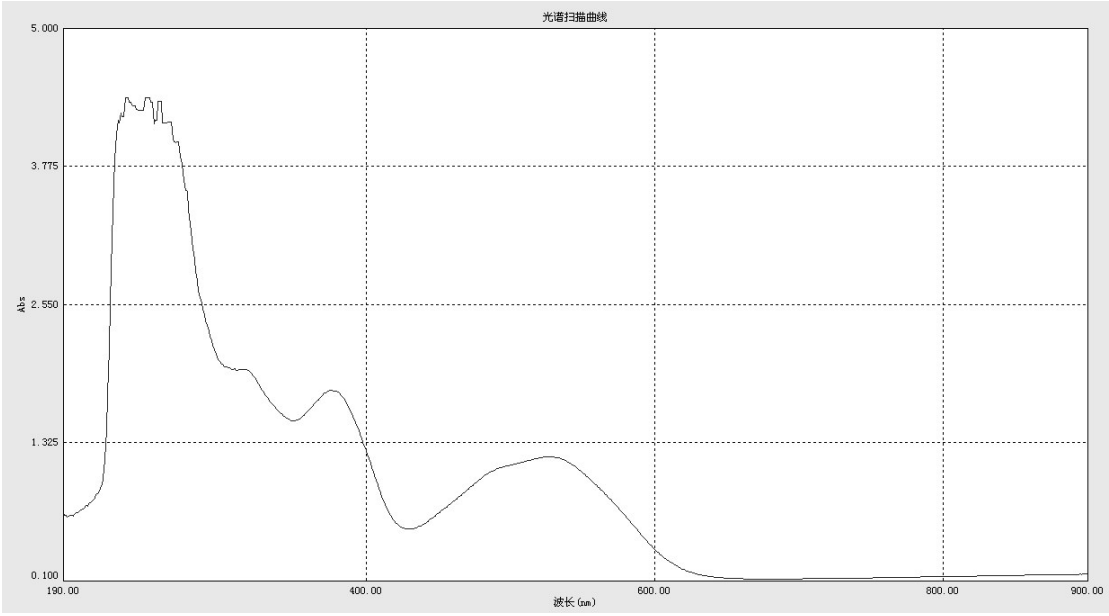
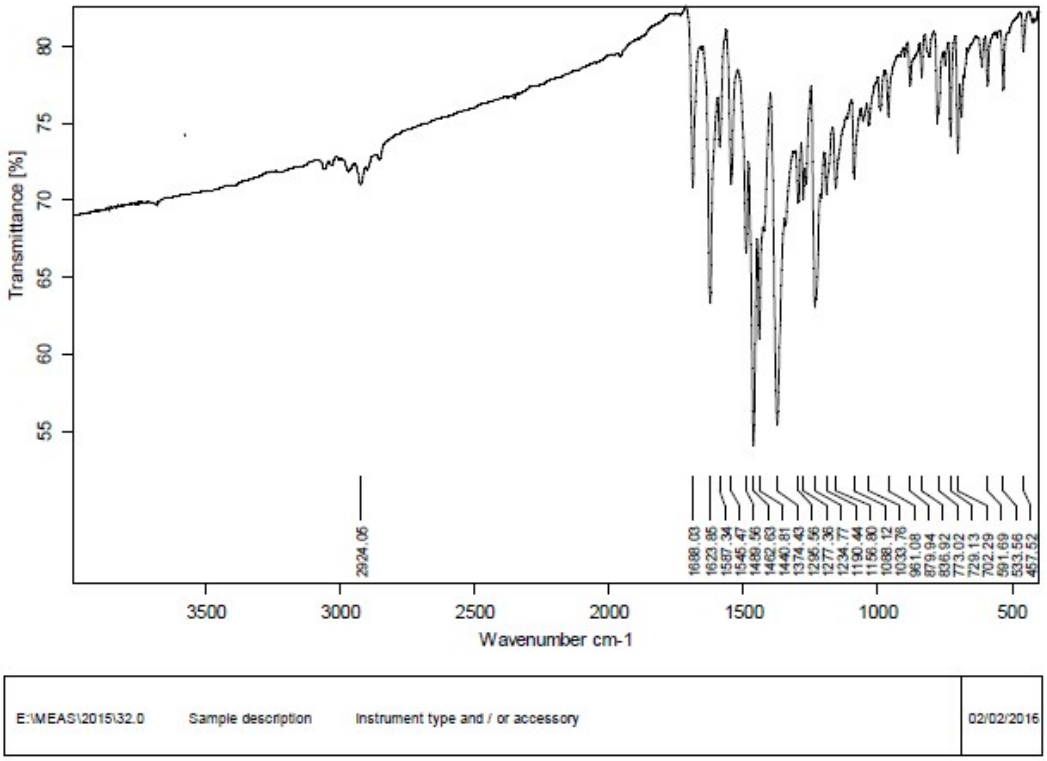


Figure 16 UV-vis of **4d**



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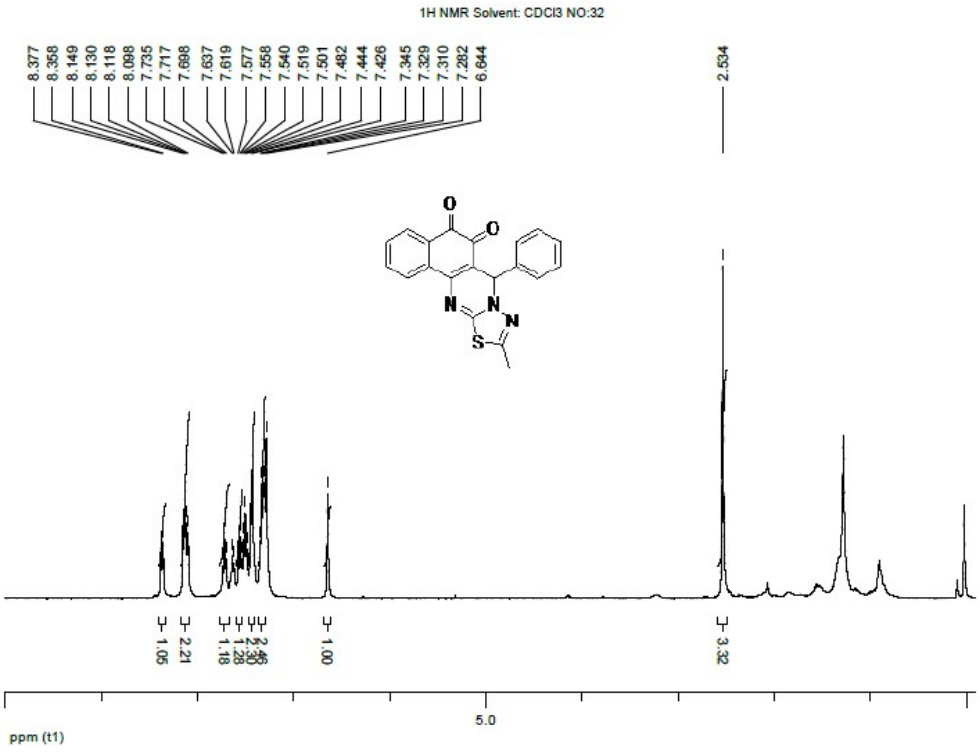

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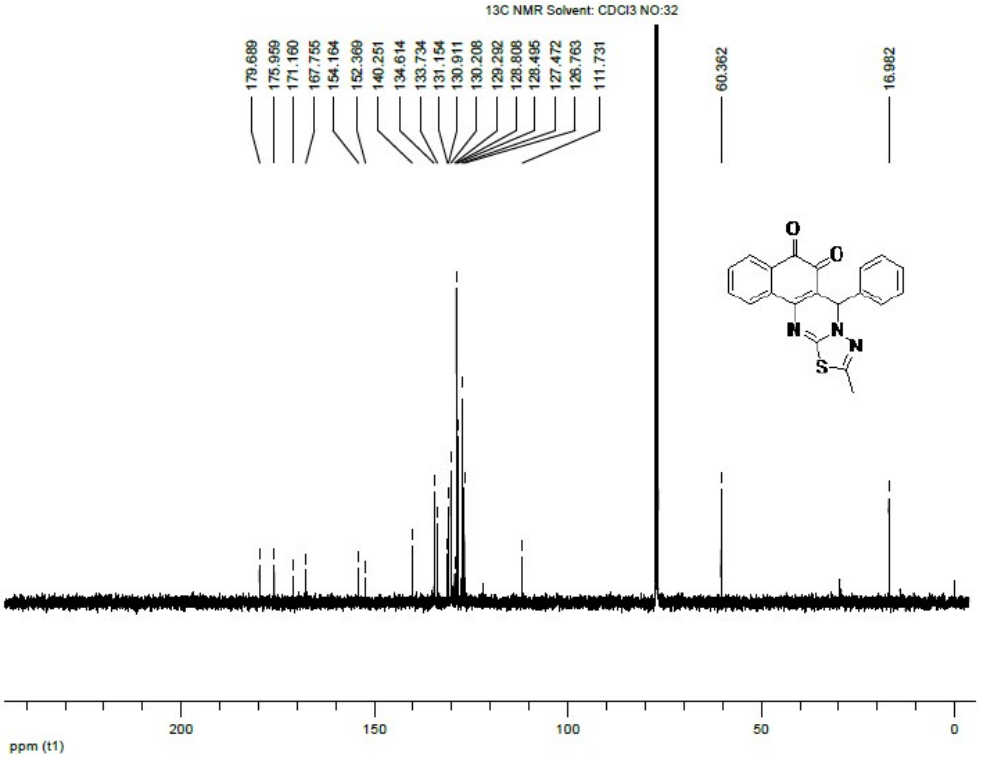

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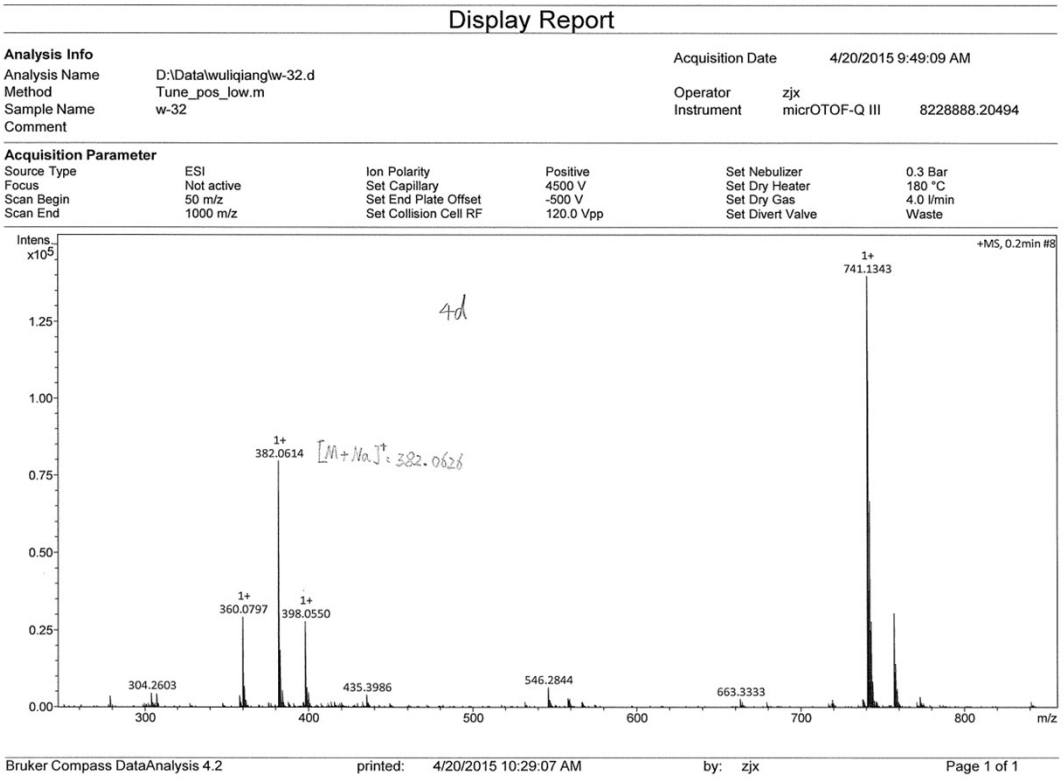

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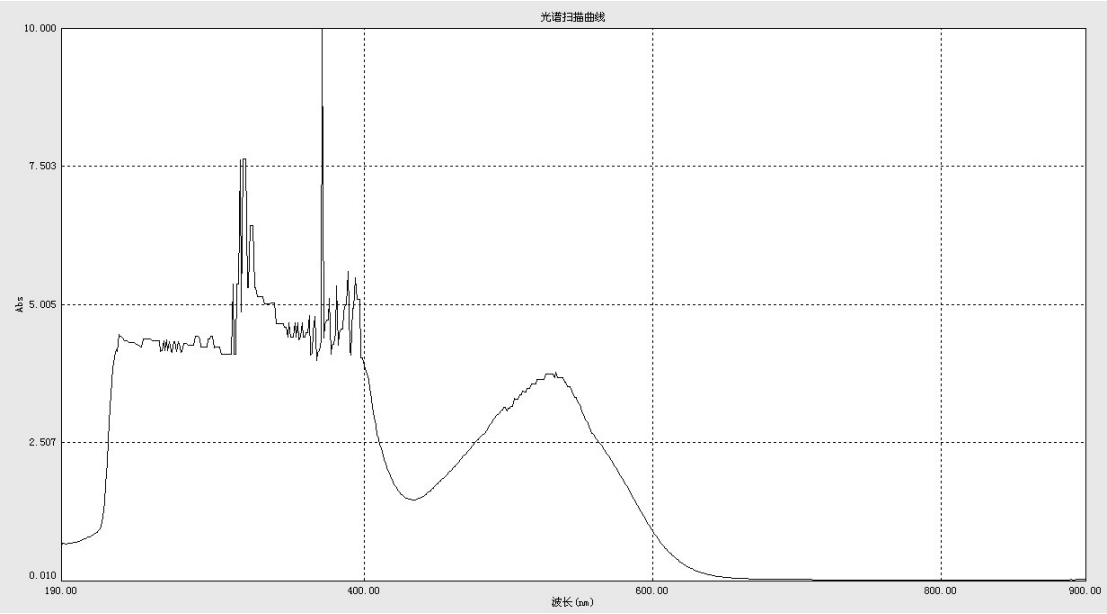
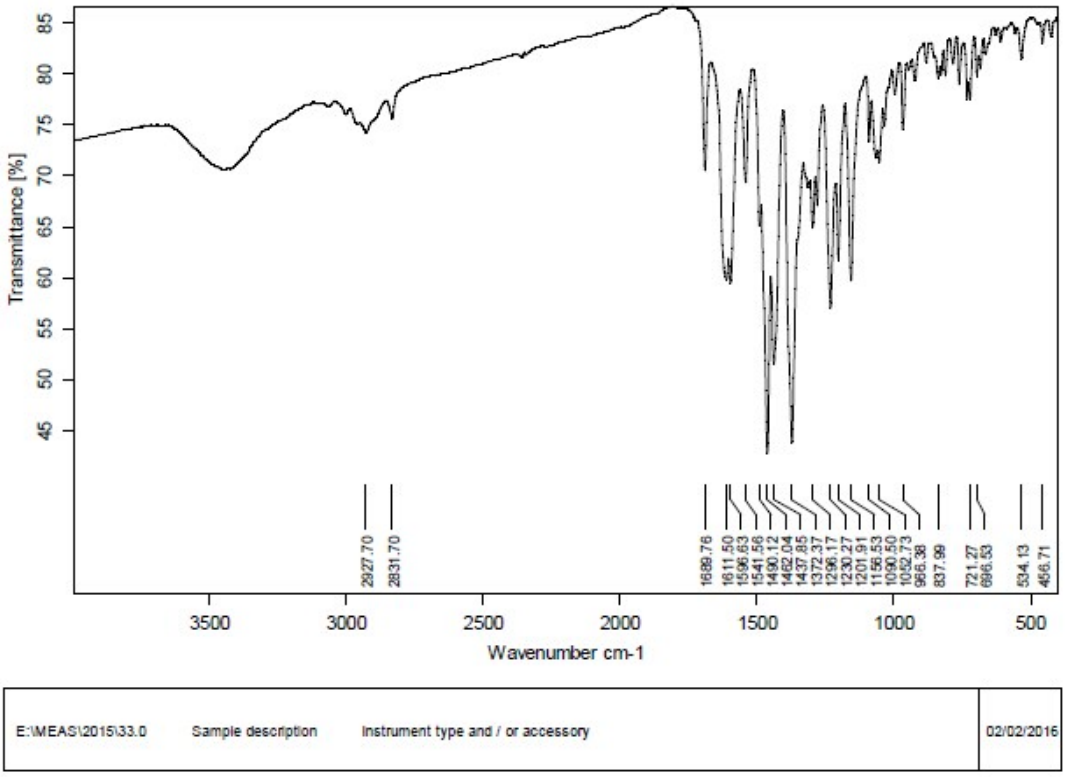


Figure 21 UV-vis of **4e**



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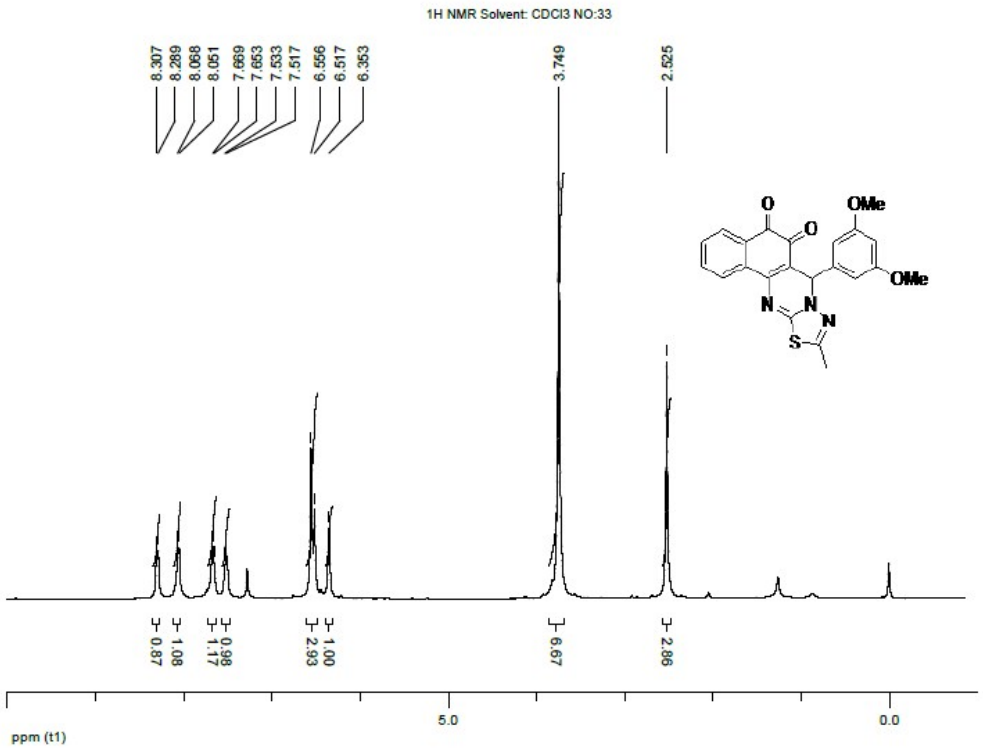

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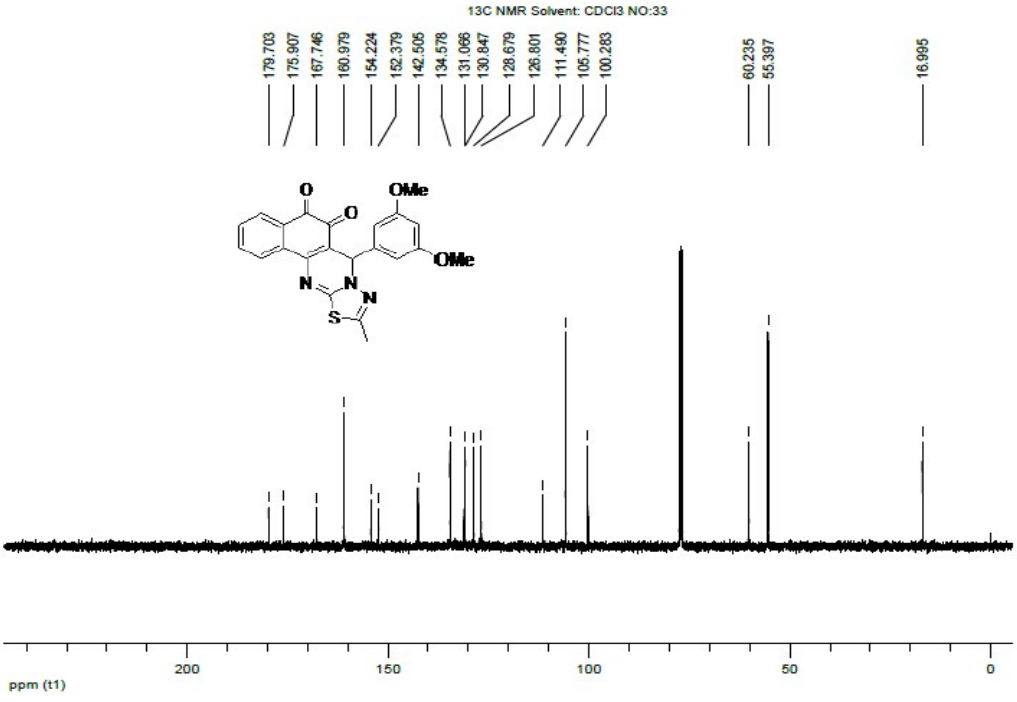

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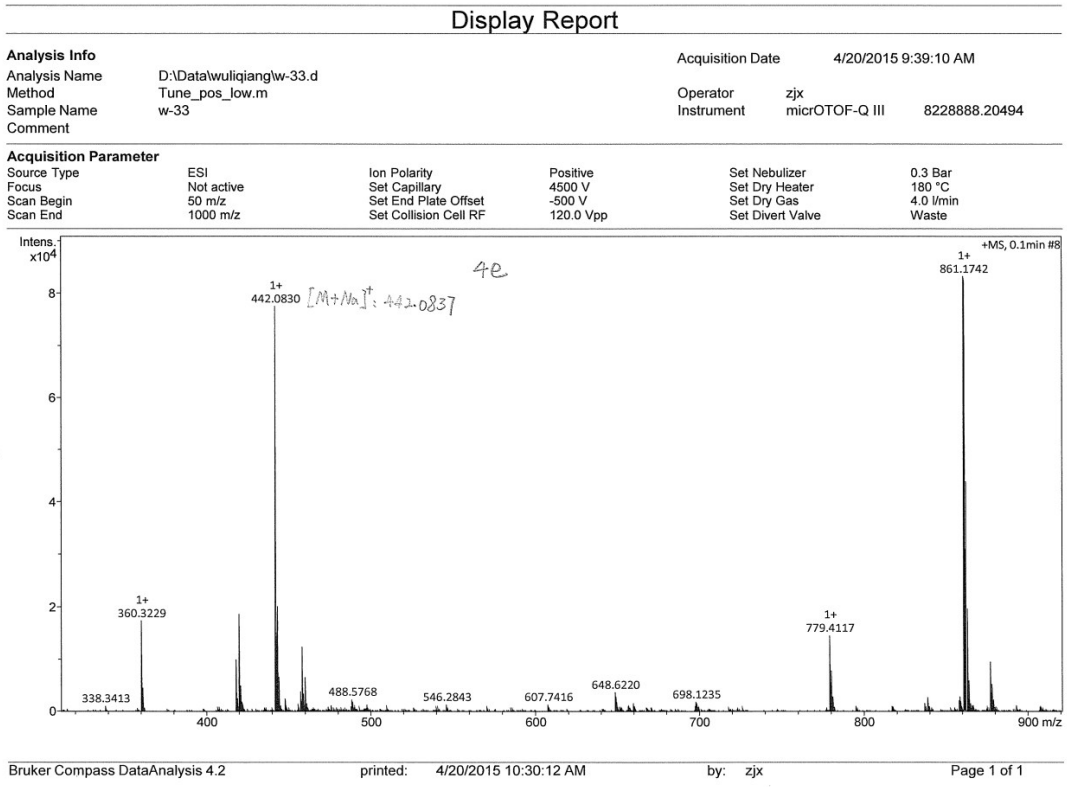

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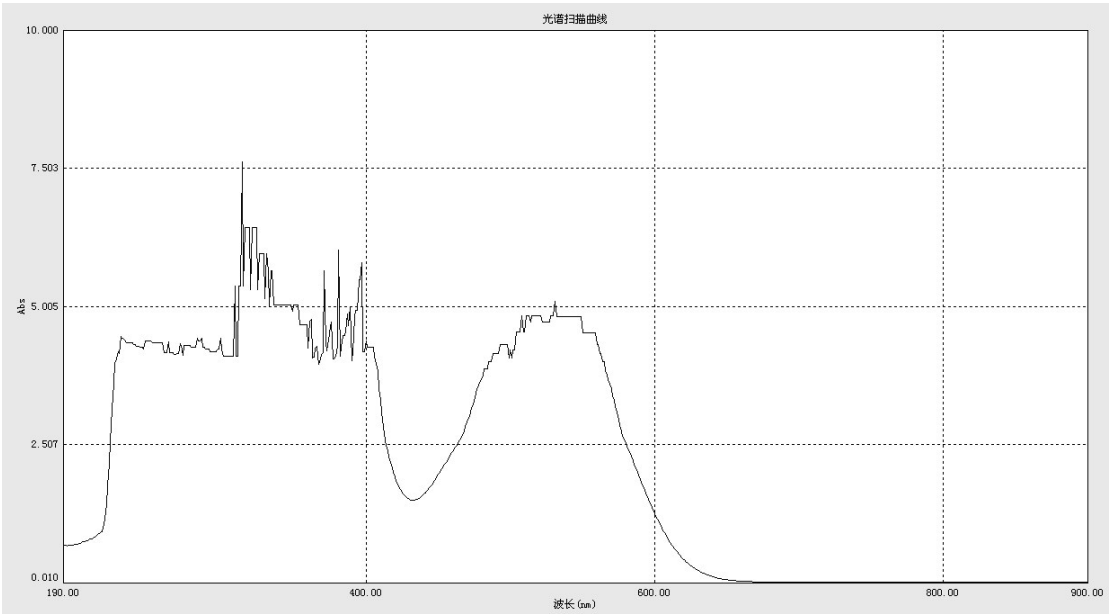
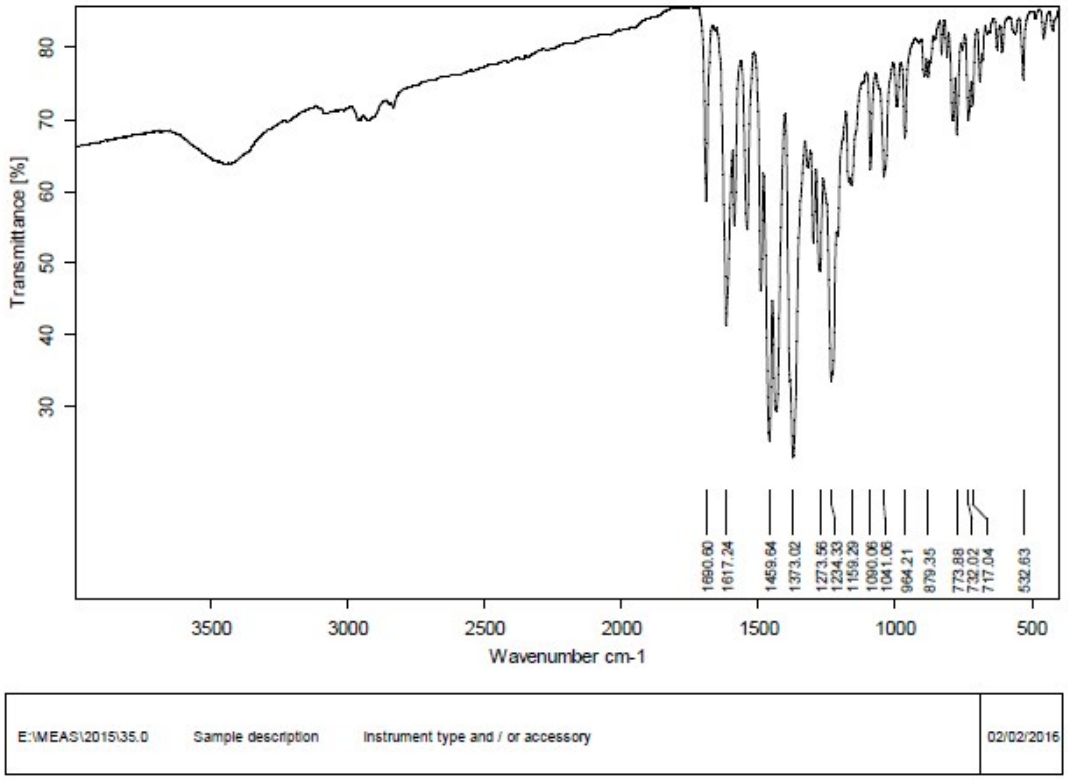


Figure 26 UV-vis of **4f**



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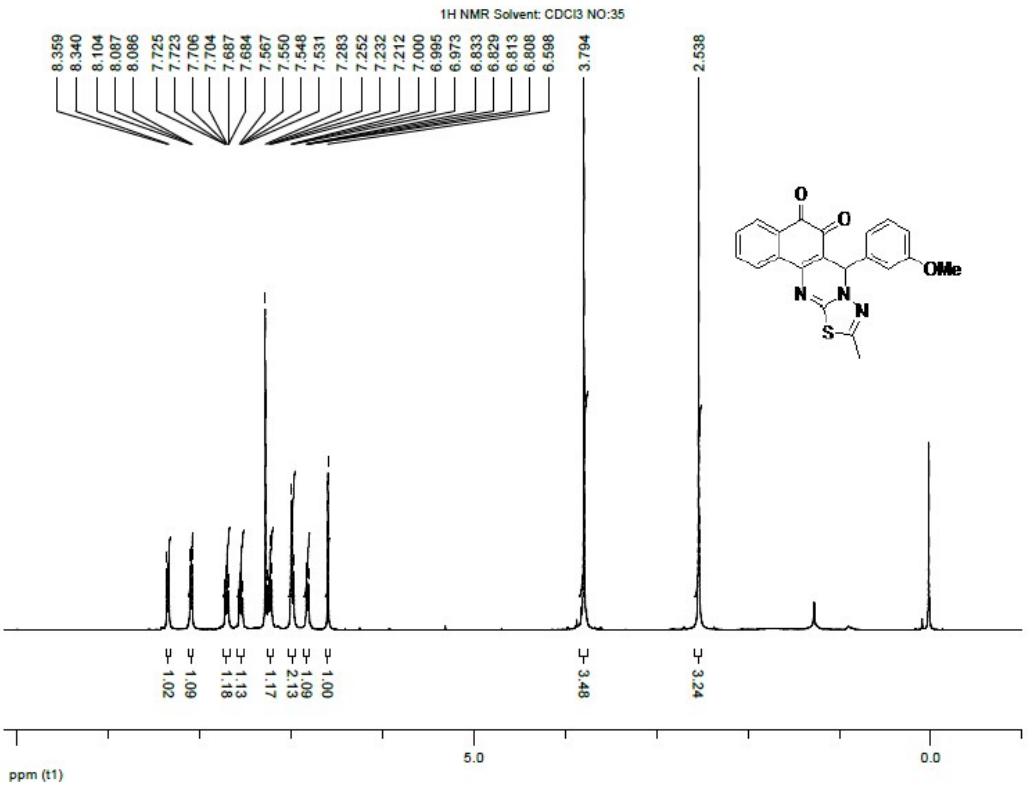

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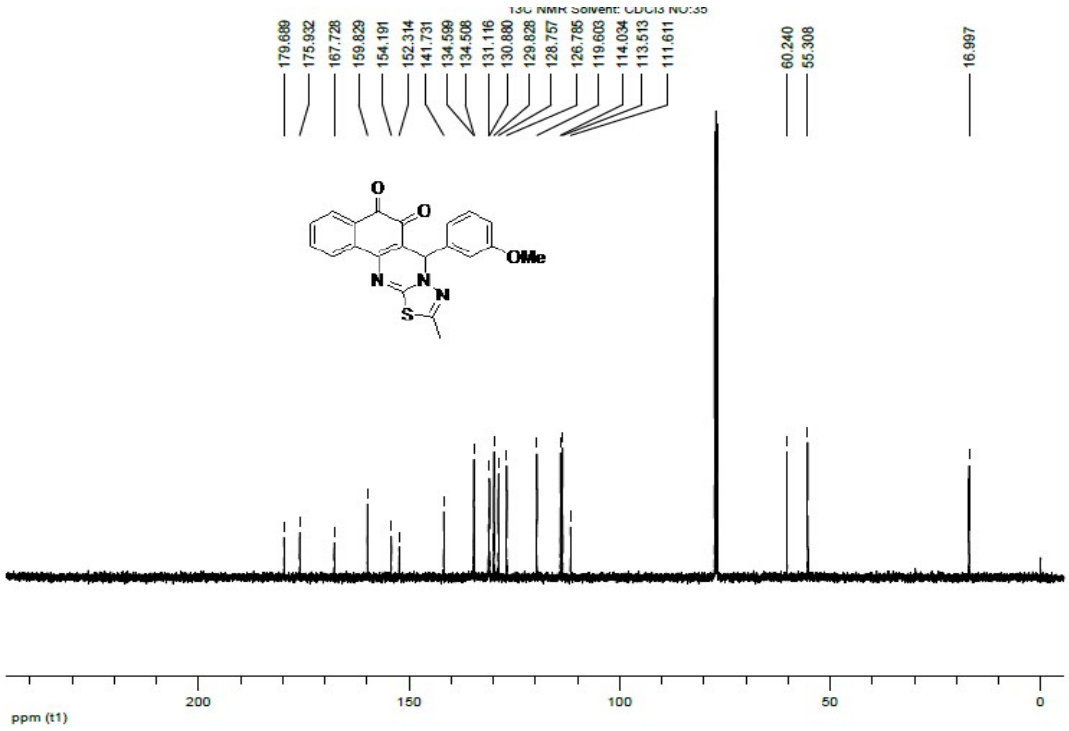

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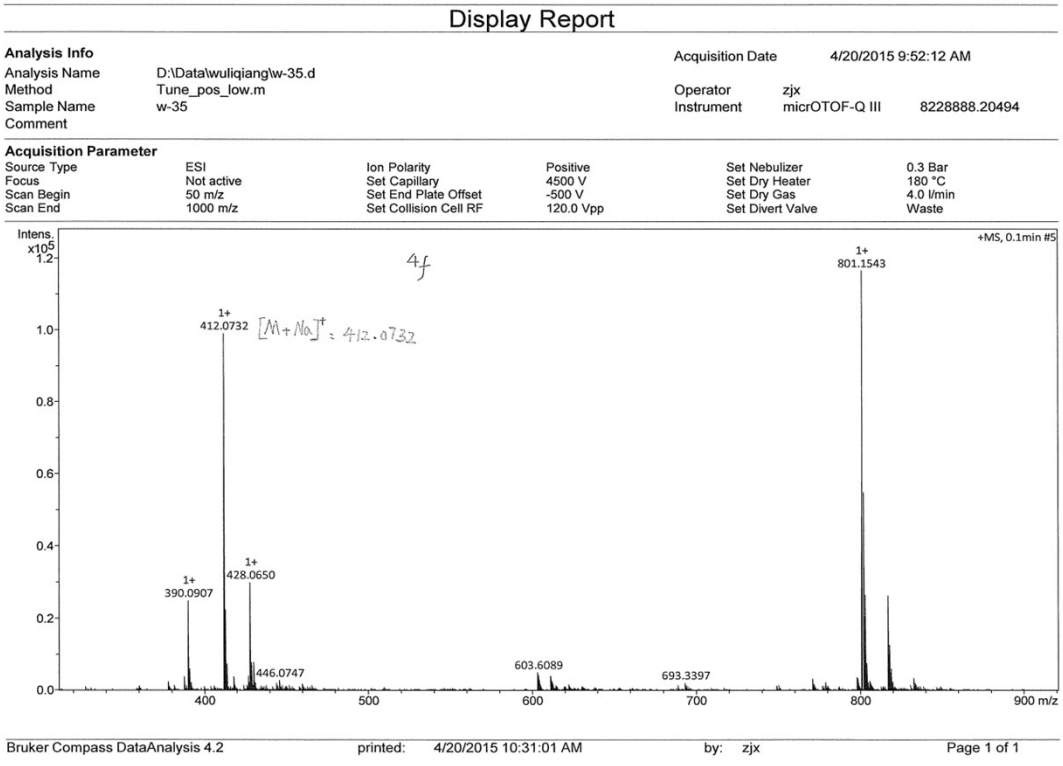

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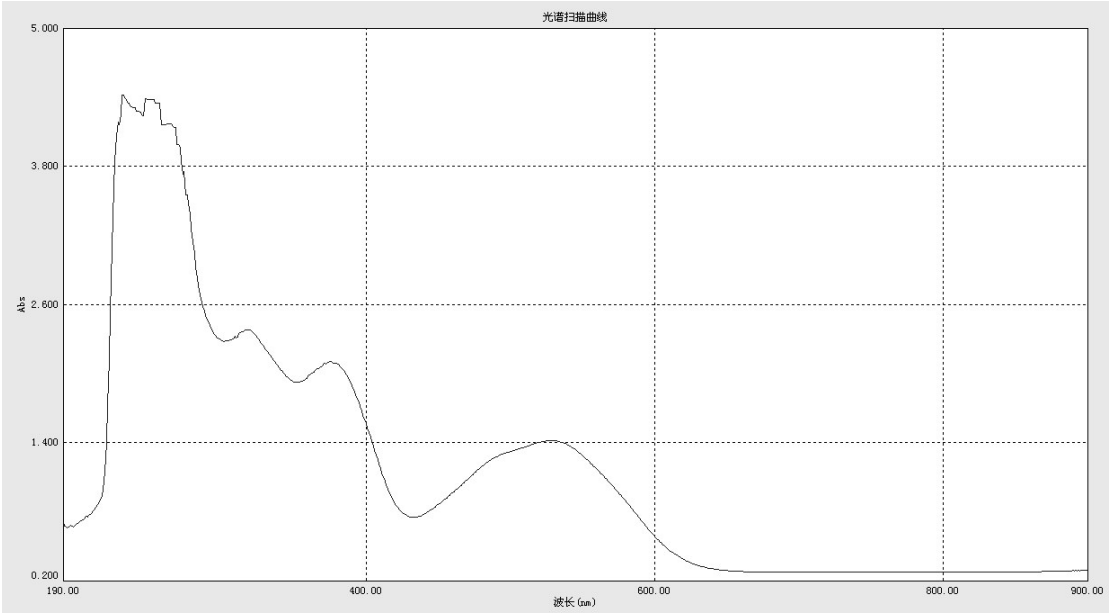
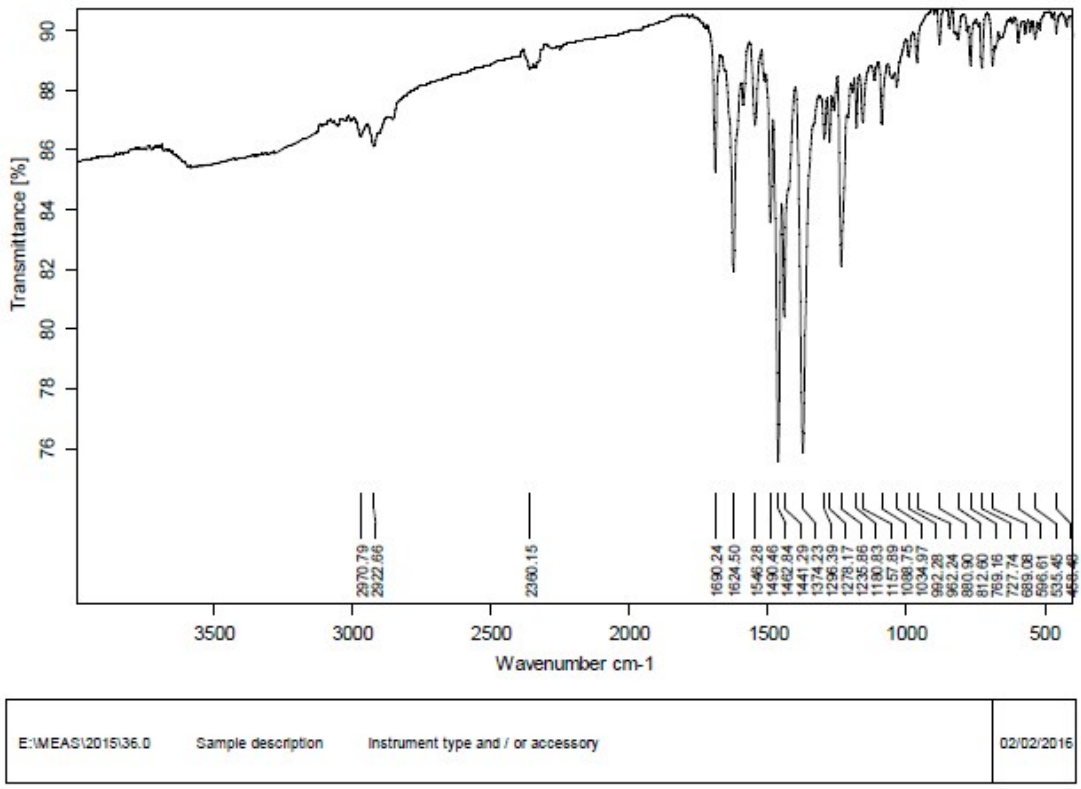


Figure 31 UV-vis of **4g**



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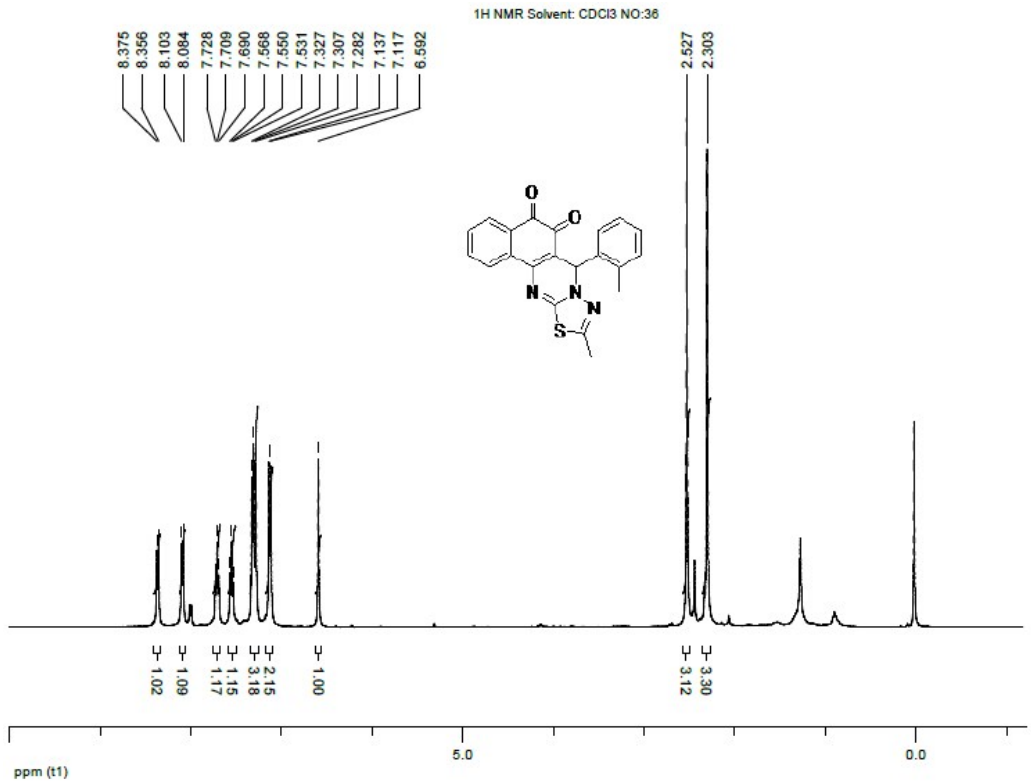
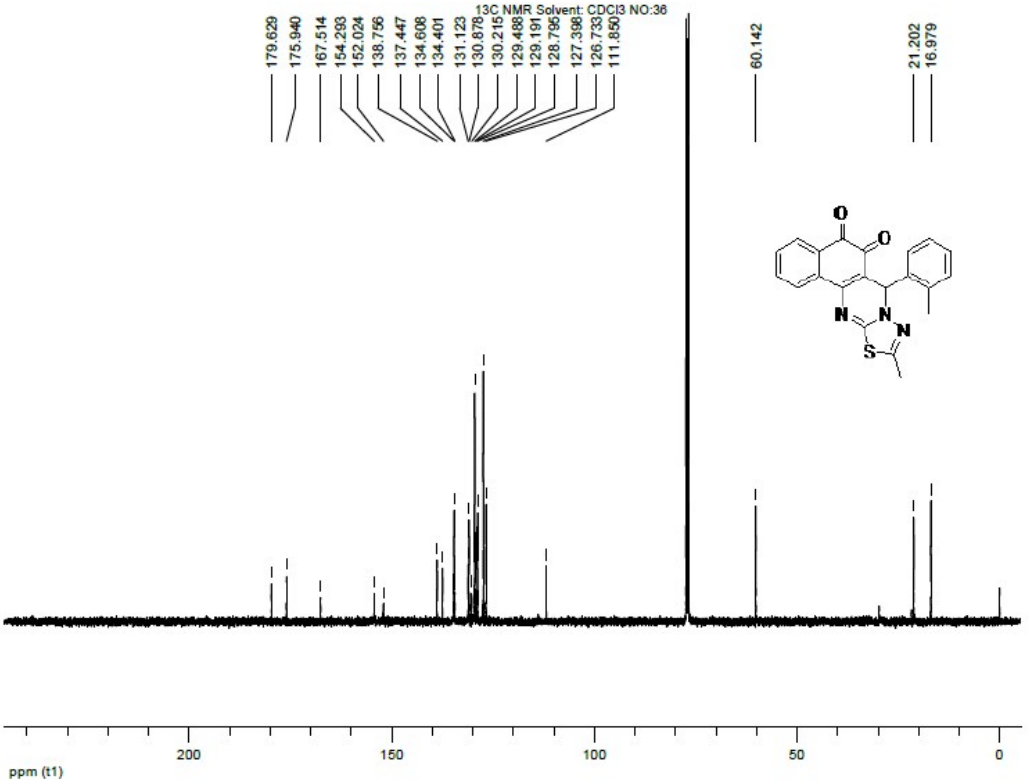


Figure 33 ^{1}H NMR of **4g**



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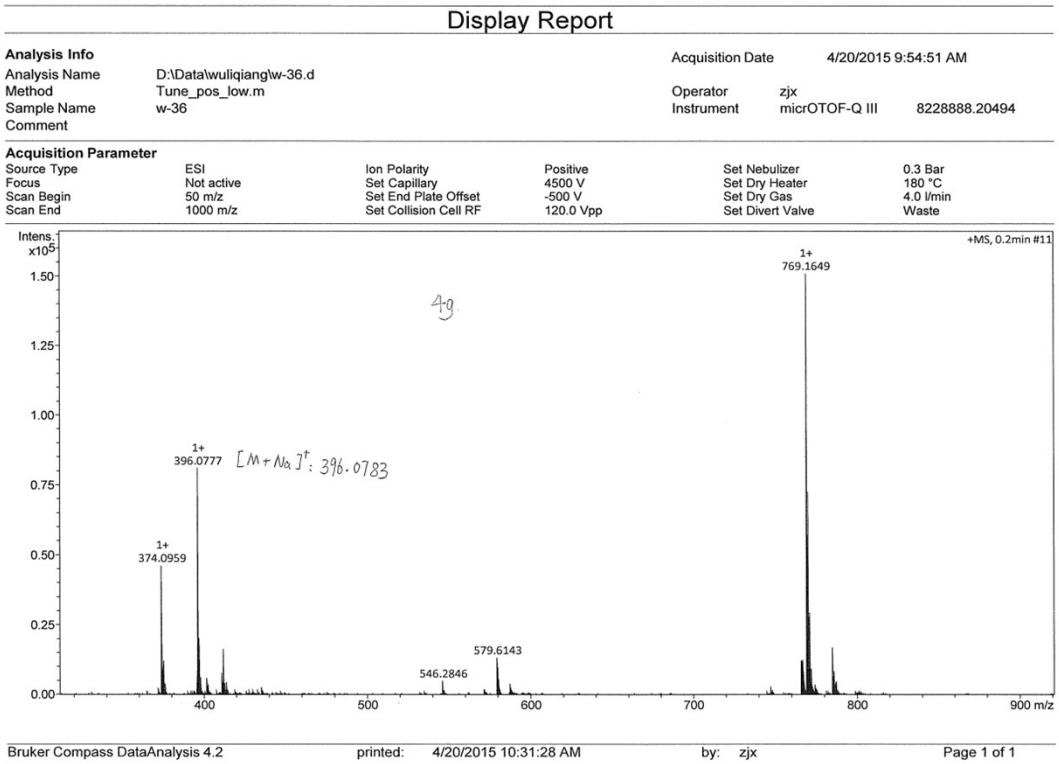

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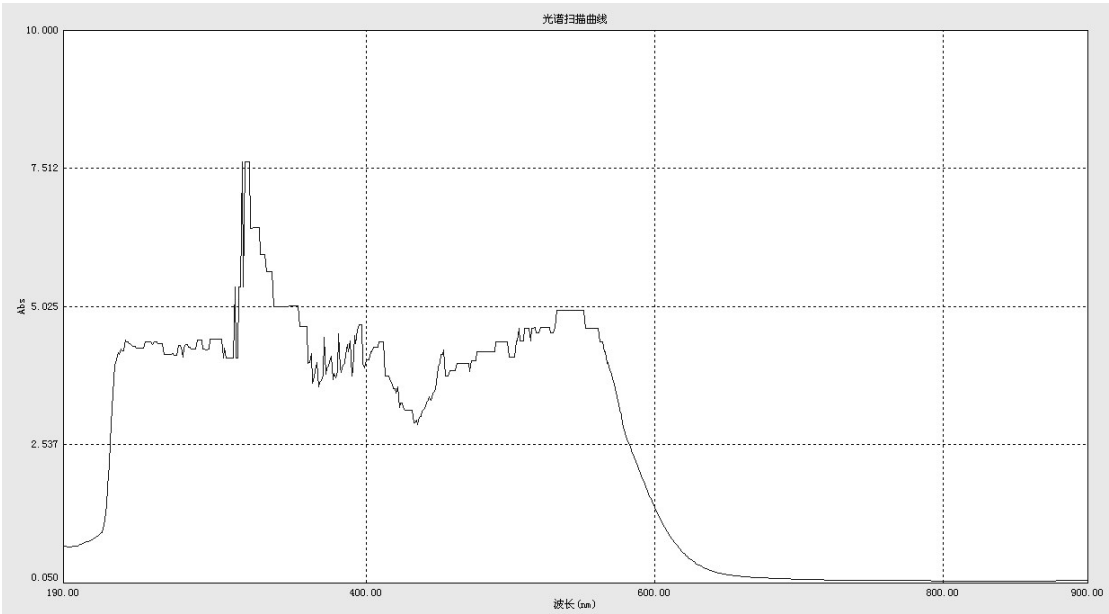


Figure 36 UV-vis of **4h**

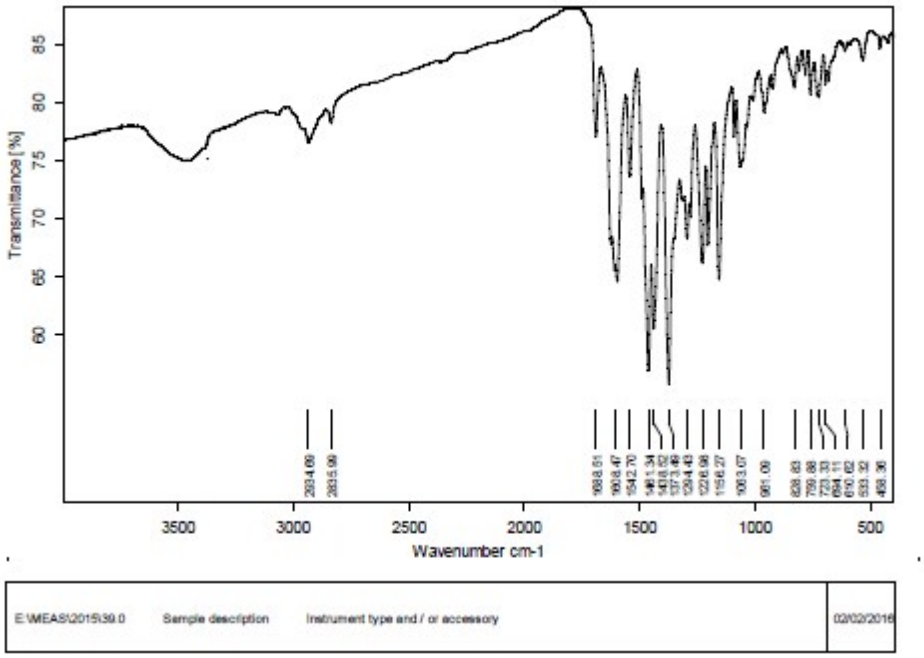


Figure 37 IRof **4h**

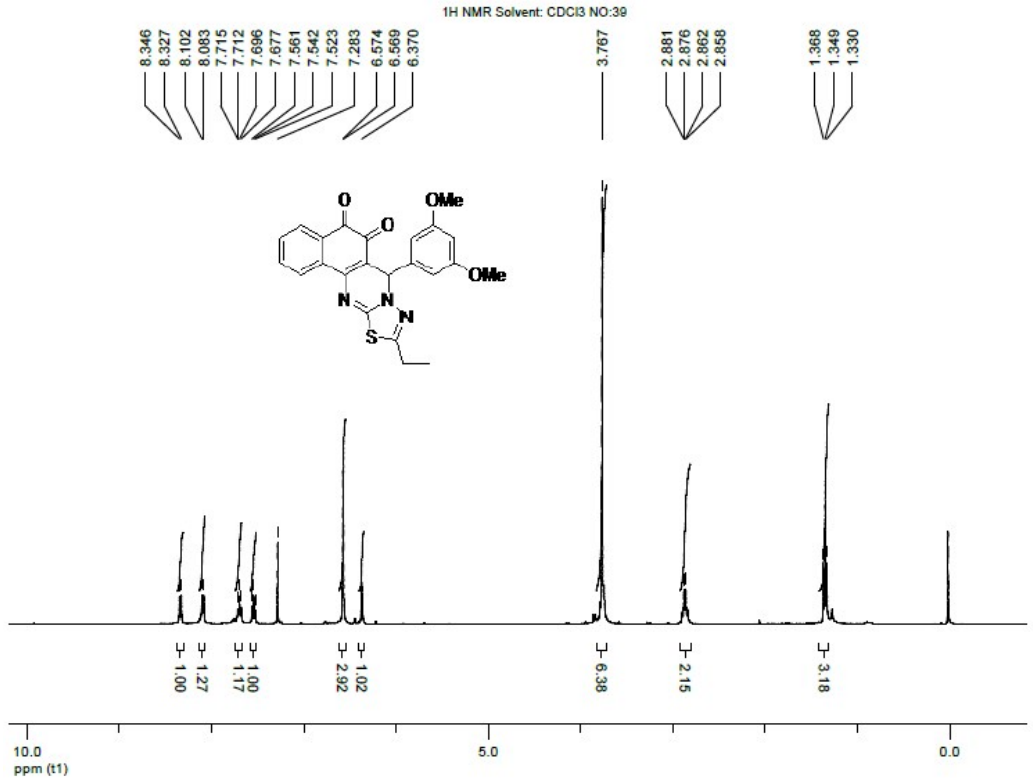


Figure 38 ^{1}H NMR of **4h**

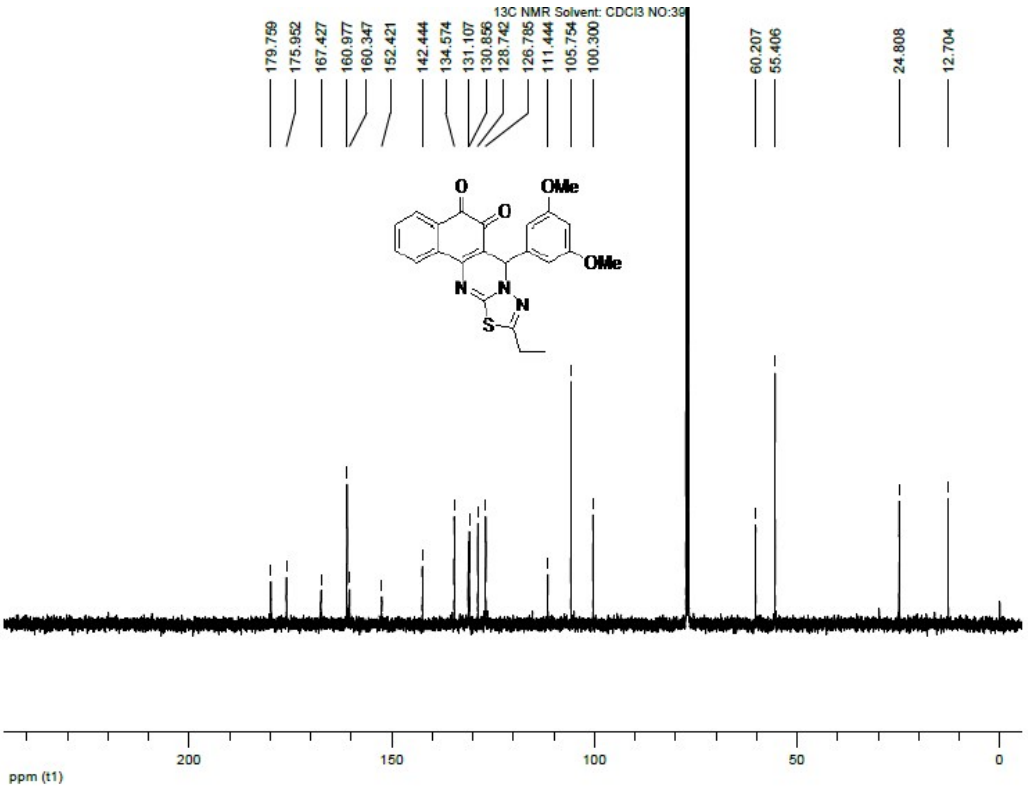
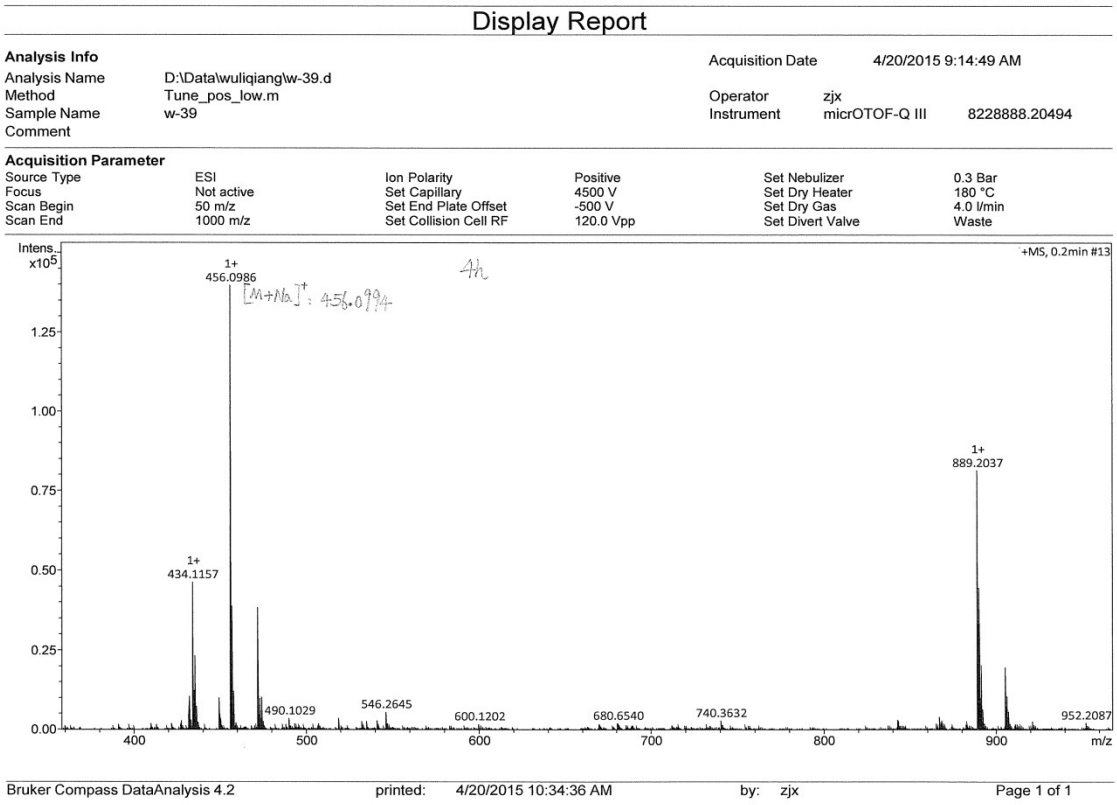


Figure 39 ^{13}C NMR of **4h**



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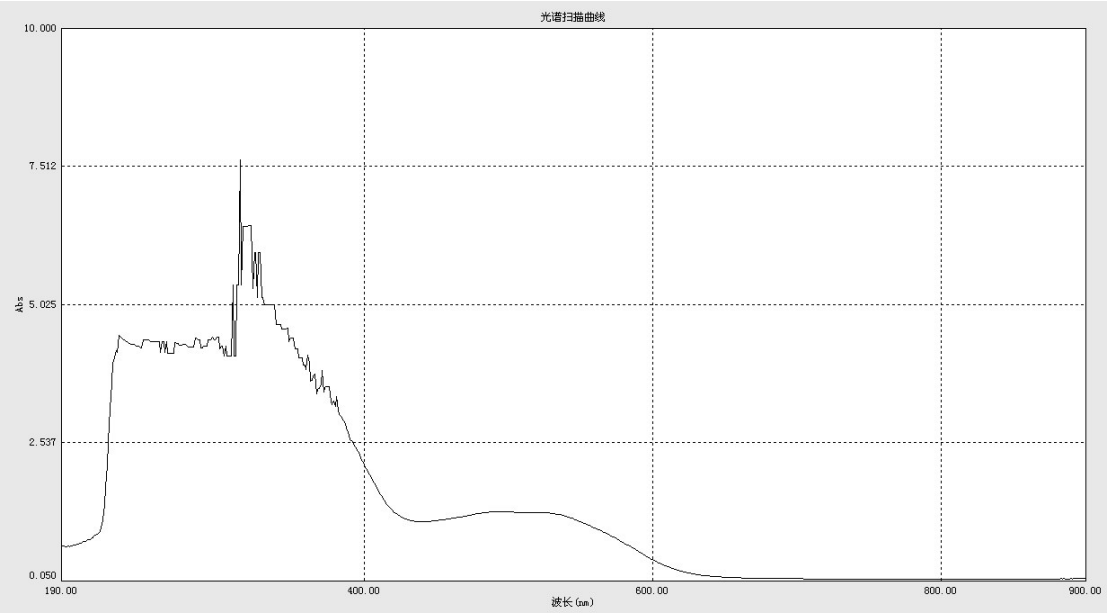
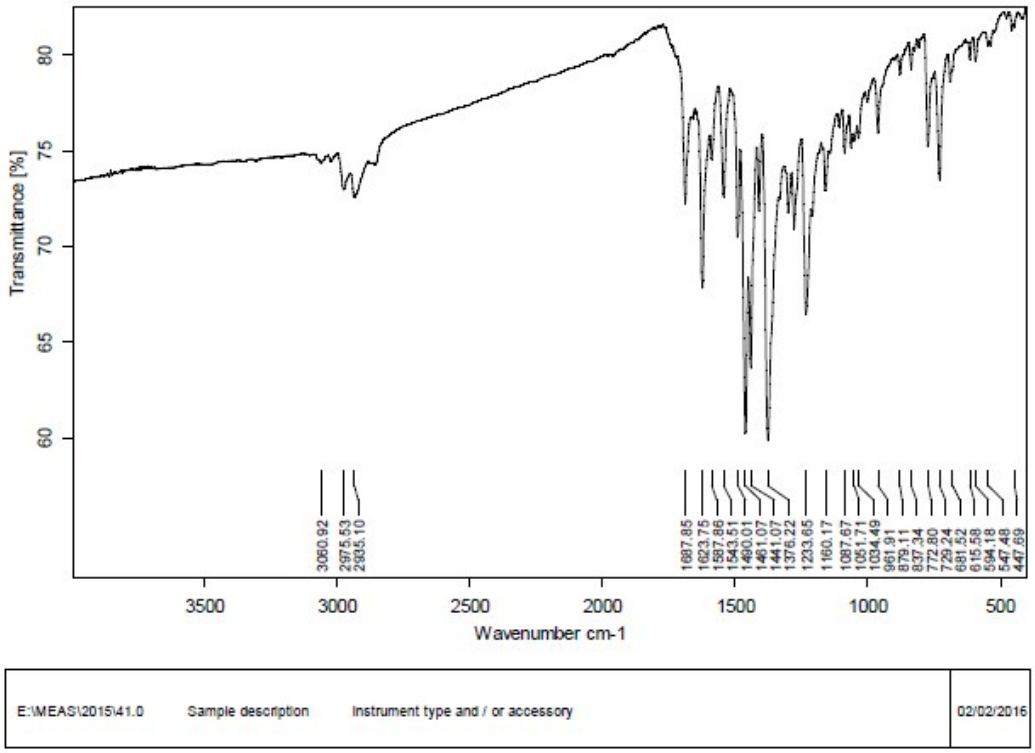


Figure 41 UV-vis of **4i**



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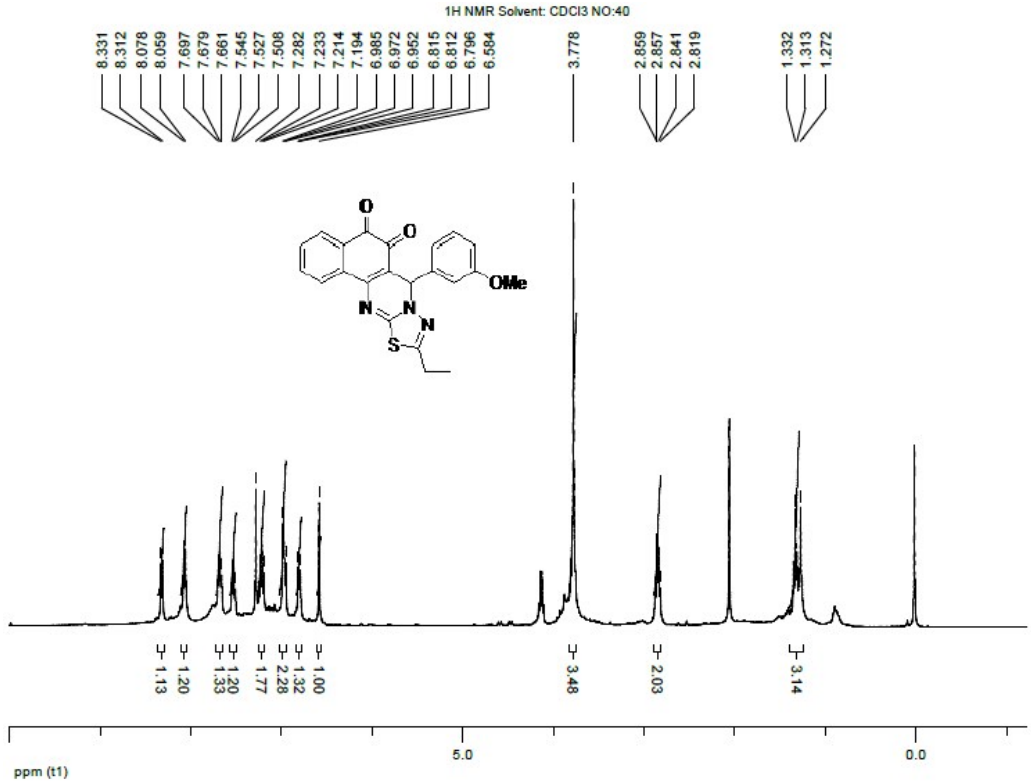
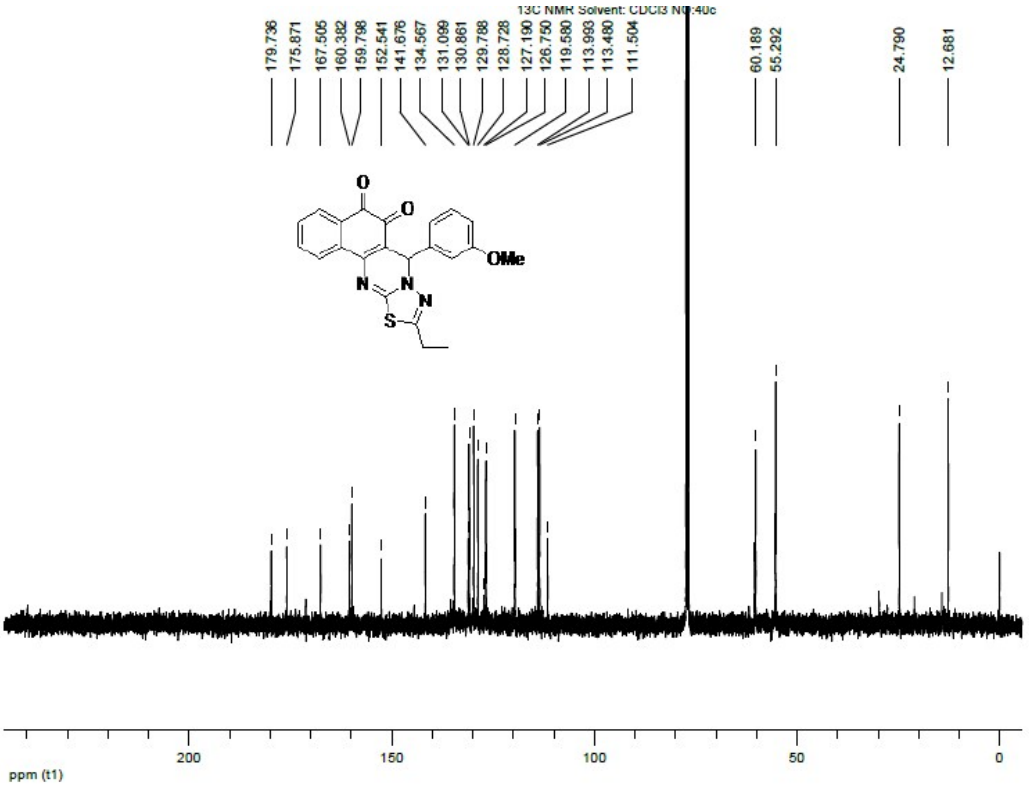


Figure 43 ^{1}H NMR of **4i**



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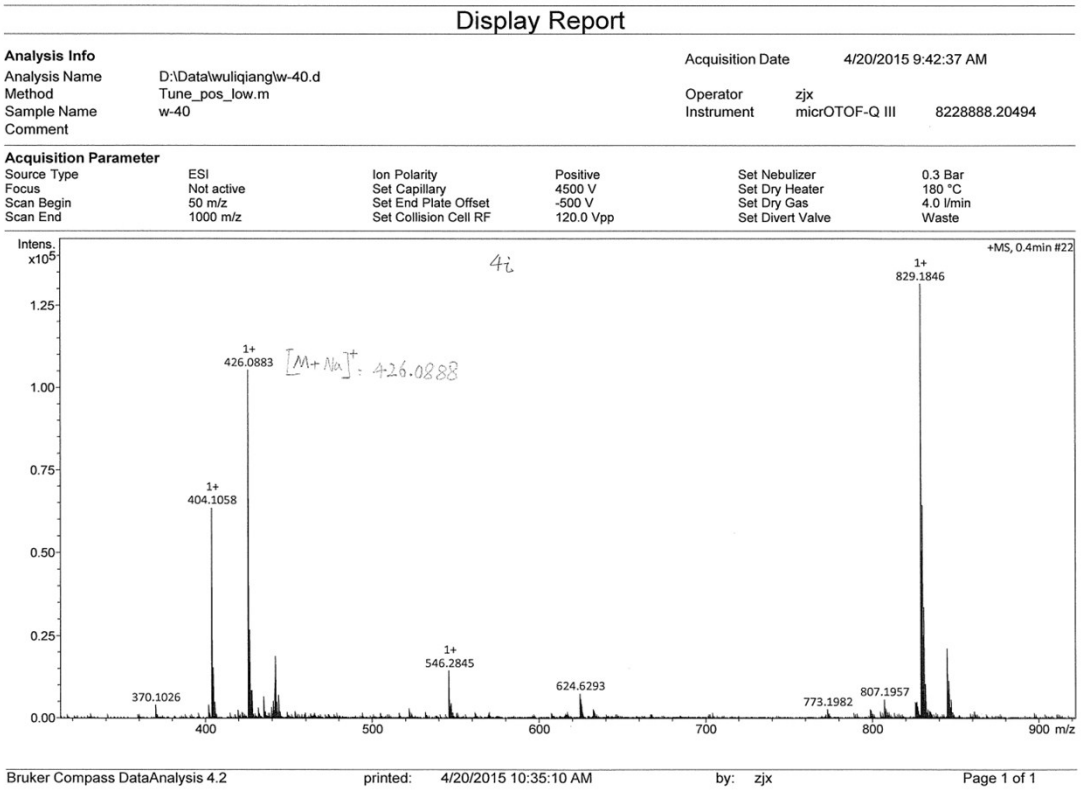

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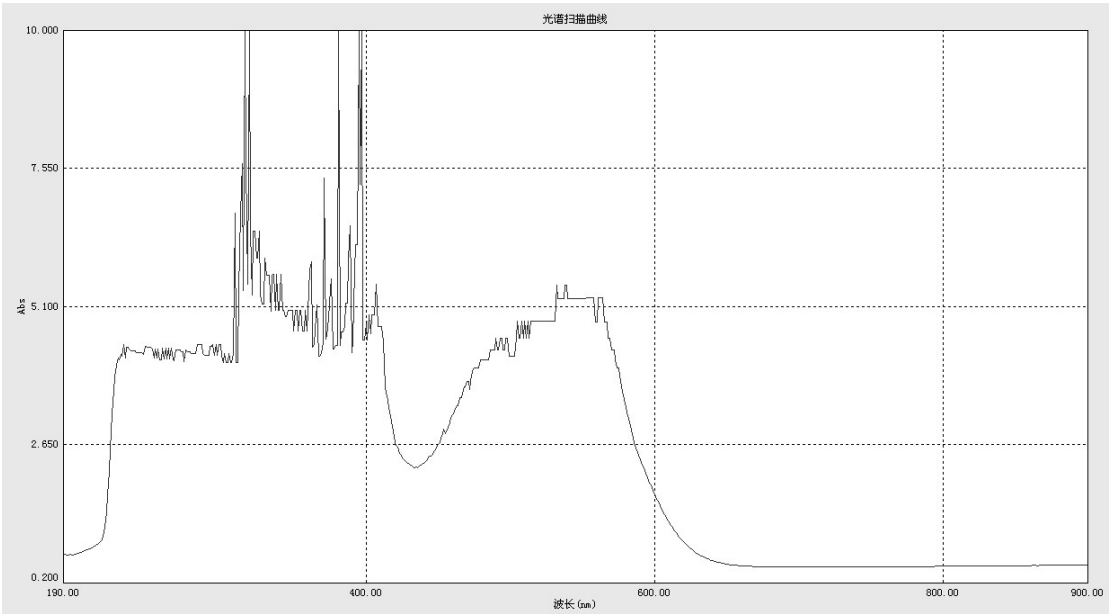


Figure 46 UV-vis of **4j**

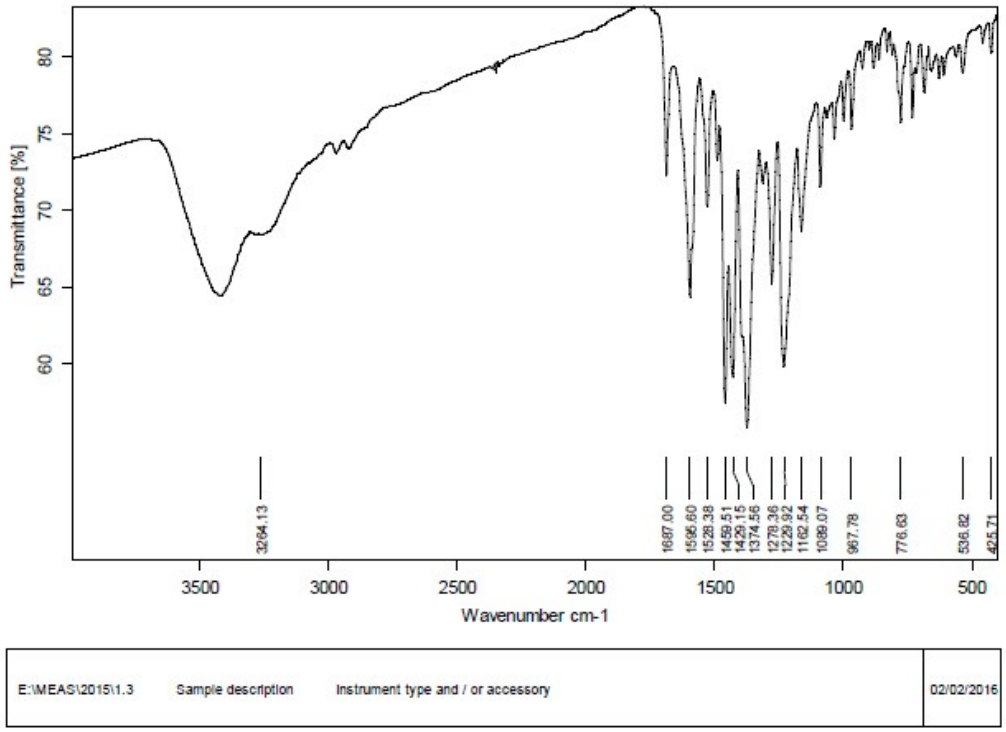


Figure 47 IR of **4j**

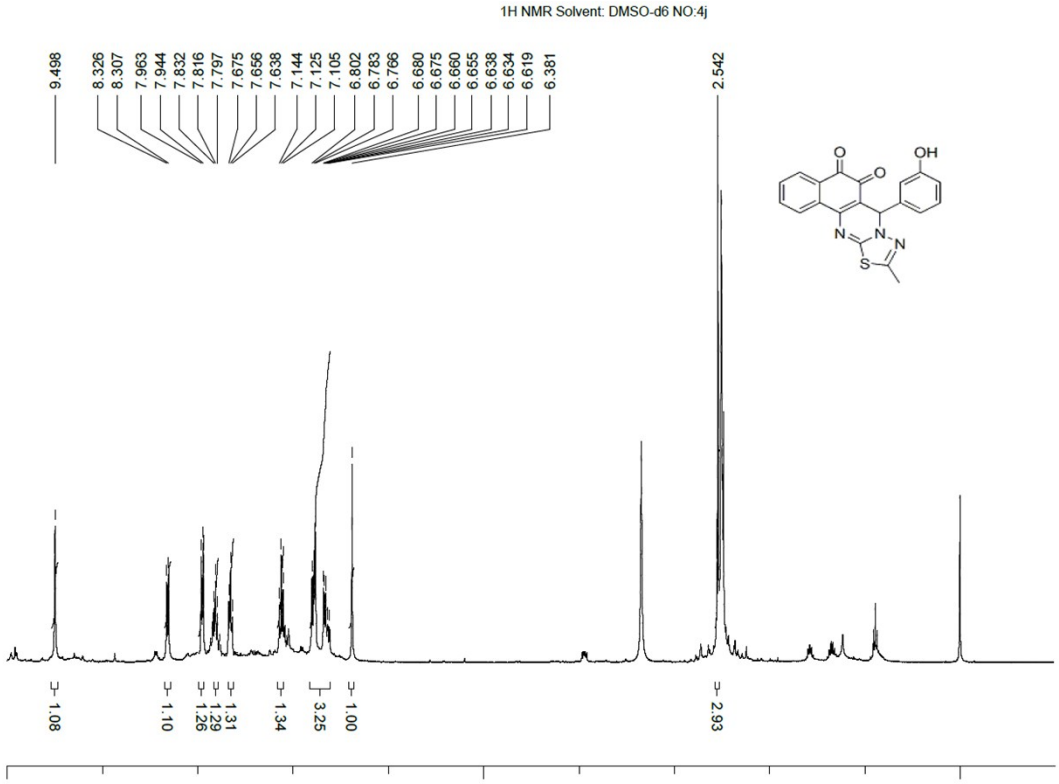
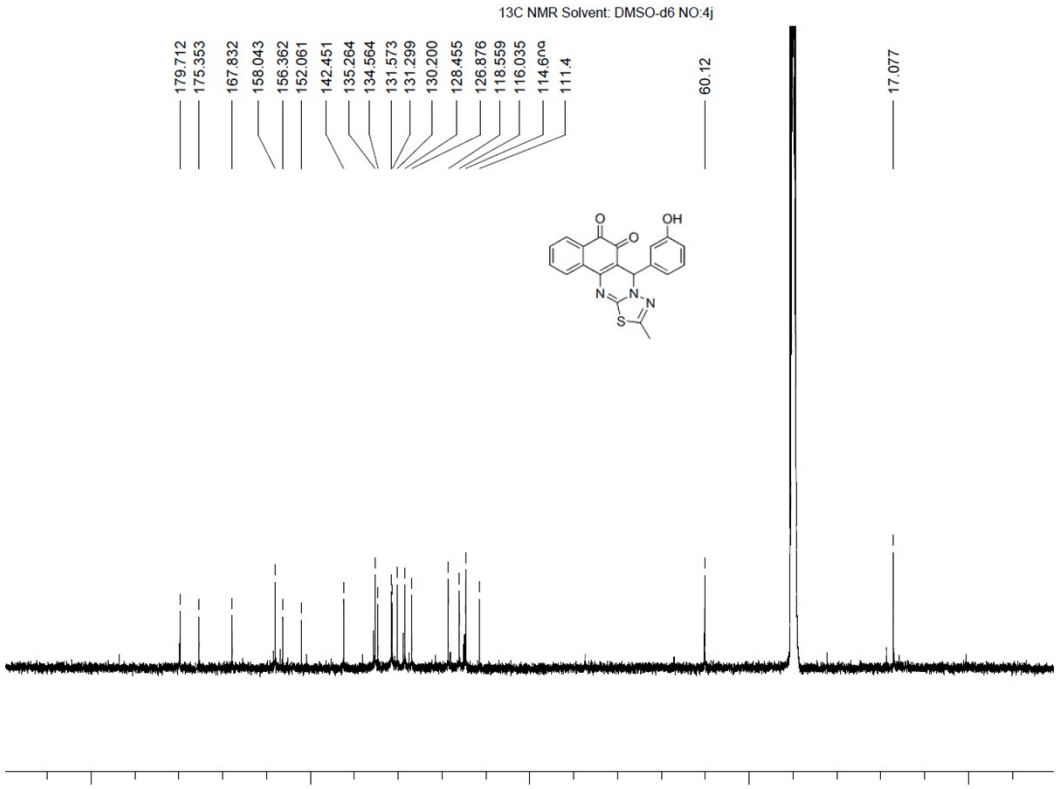


Figure 48 ^{1}H NMR of **4j**



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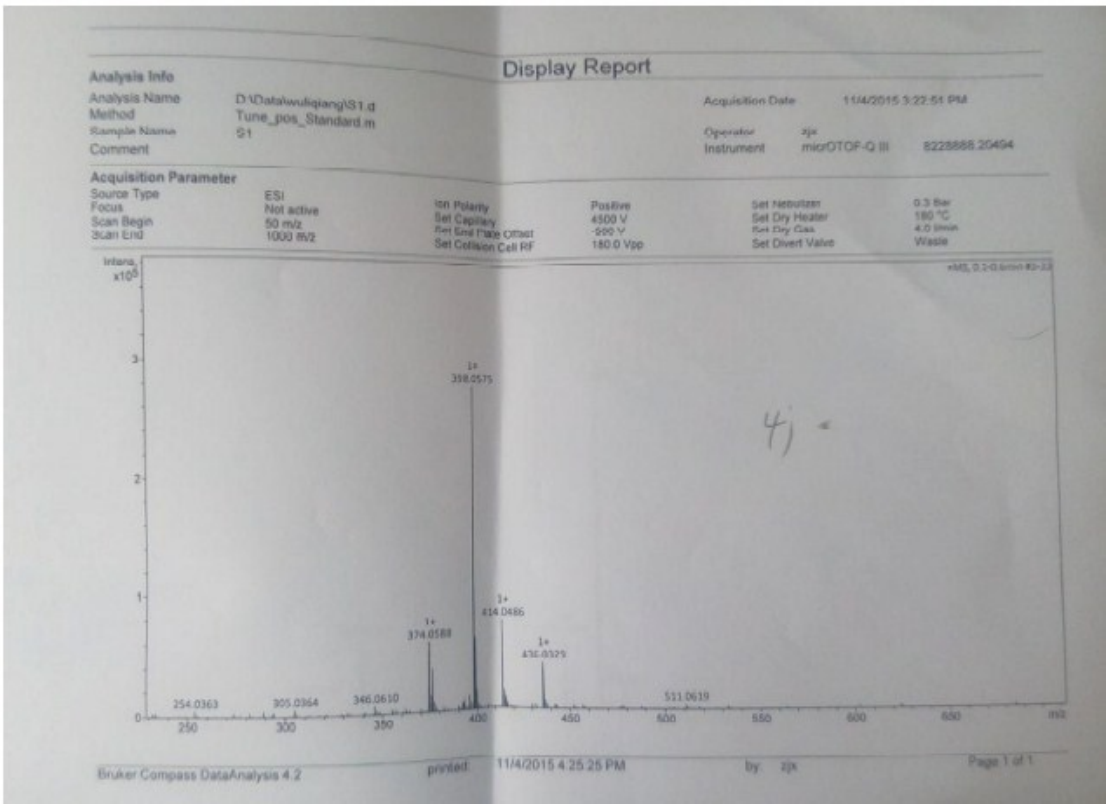


Figure 50 HRMS of **4j**

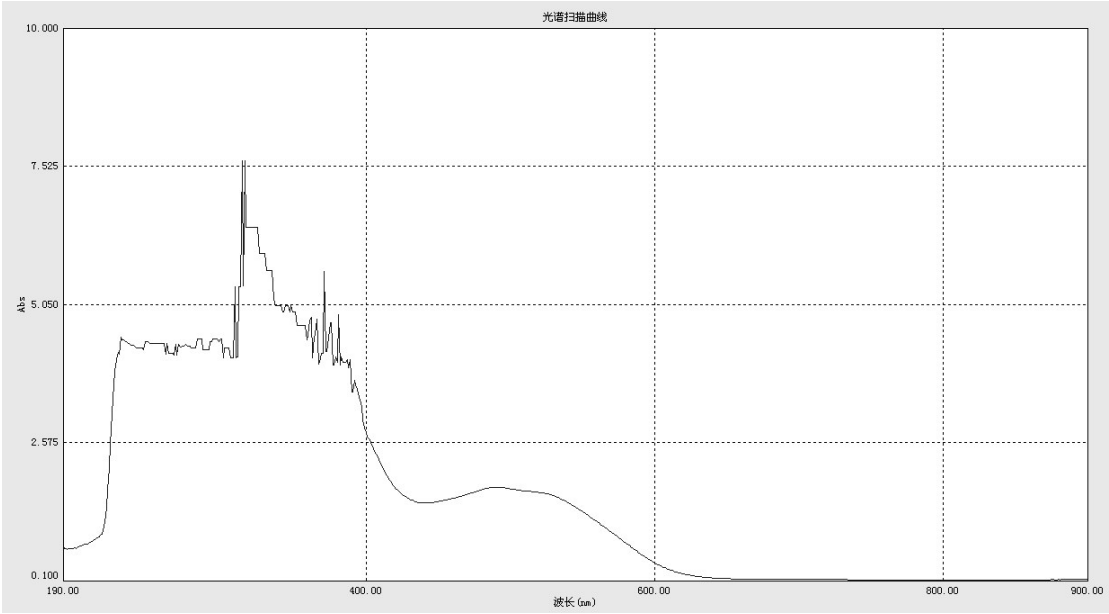
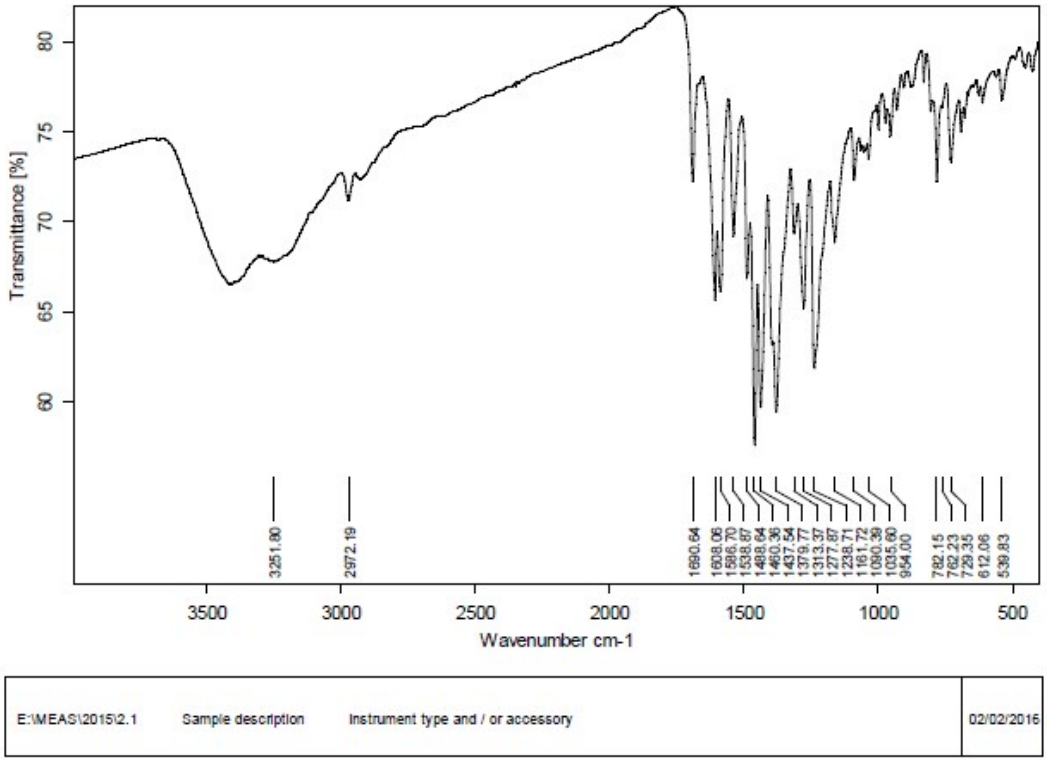


Figure 51 UV-vis of **4k**



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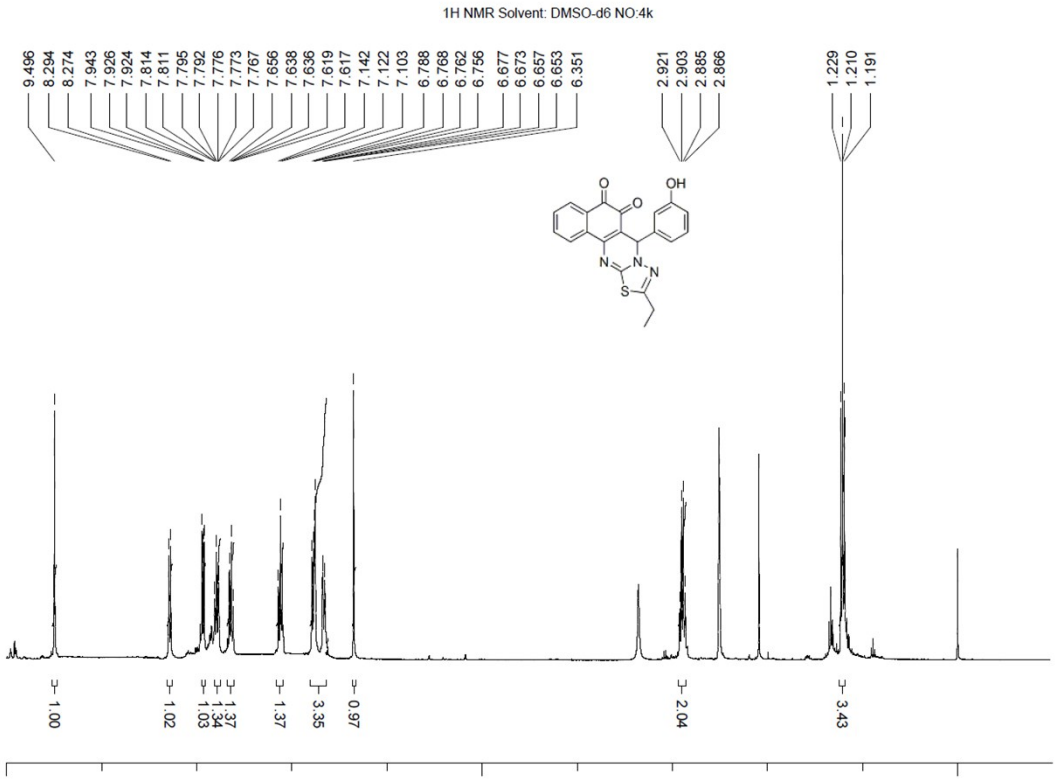


Figure 53 ^{1}H NMR of **4k**

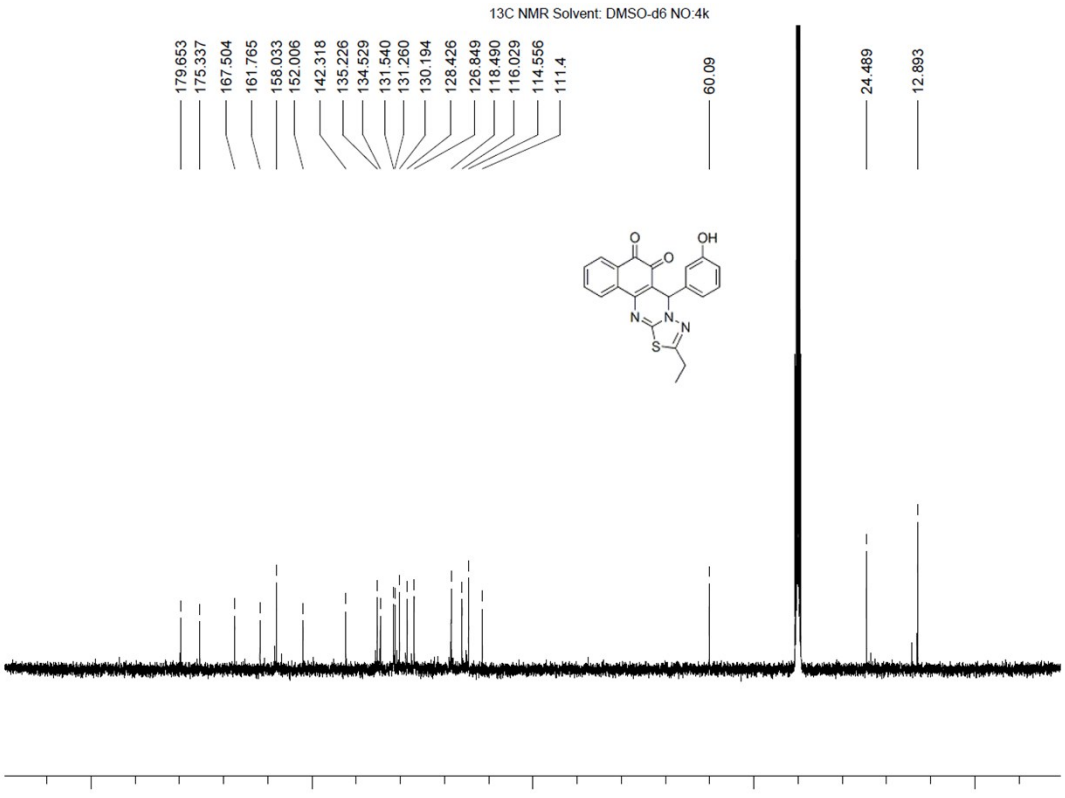
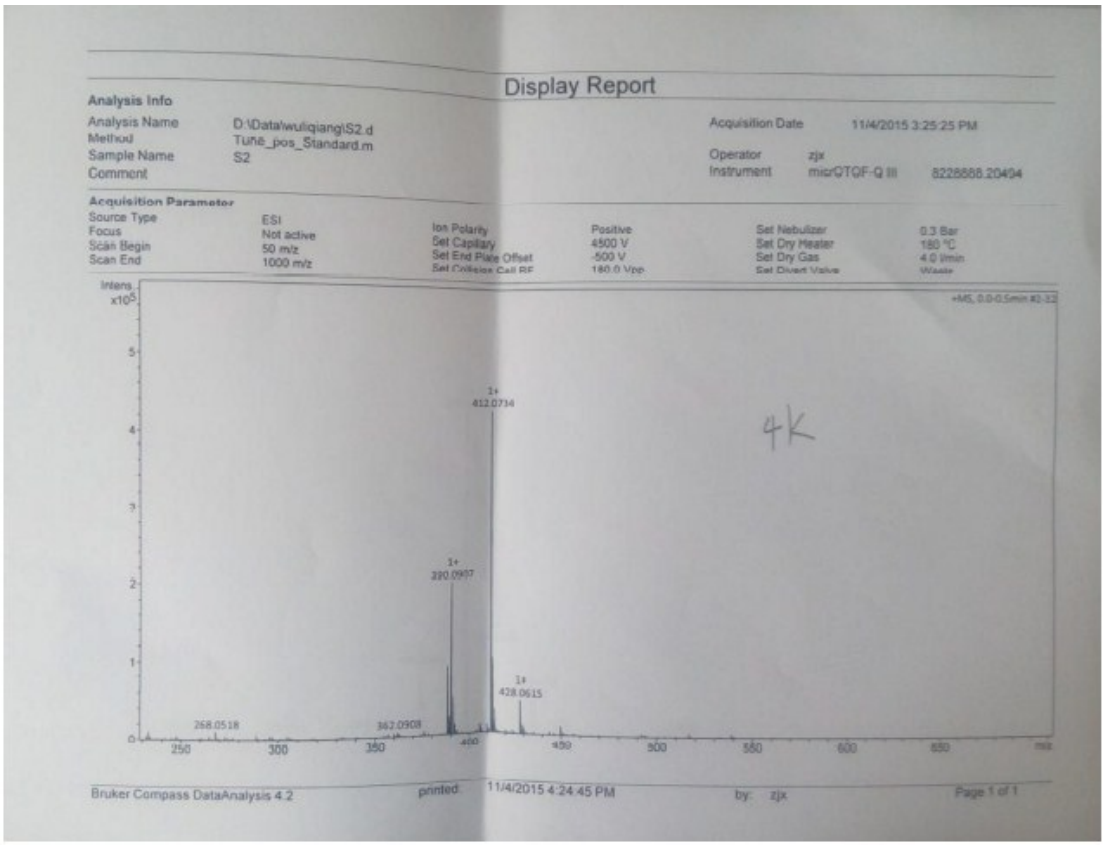


Figure 54 ^{13}C NMR of **4k**



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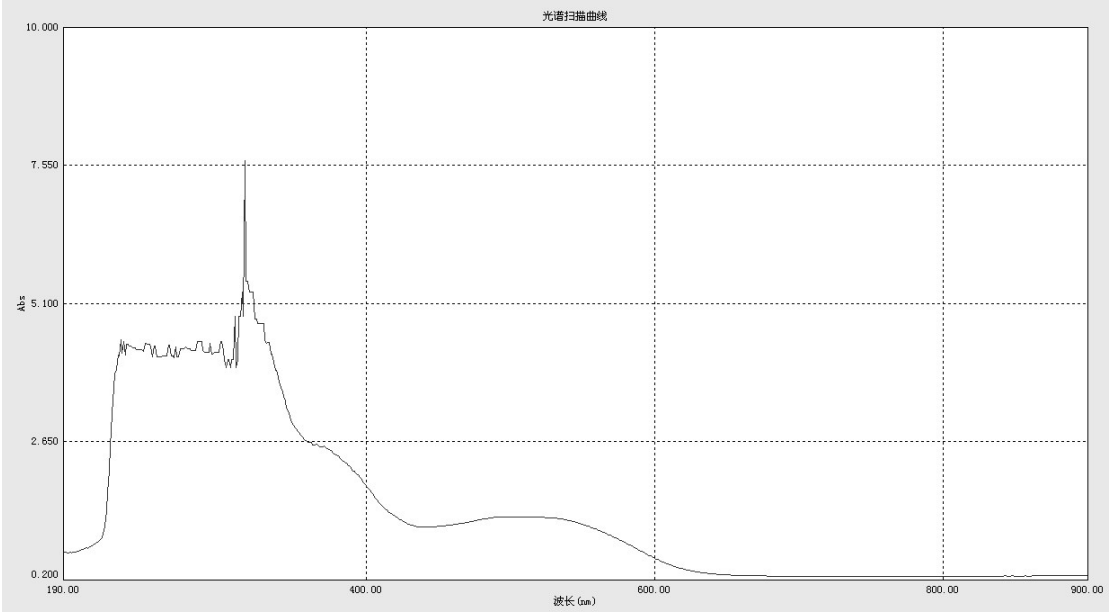

Figure 56 UV-vis of **4l**

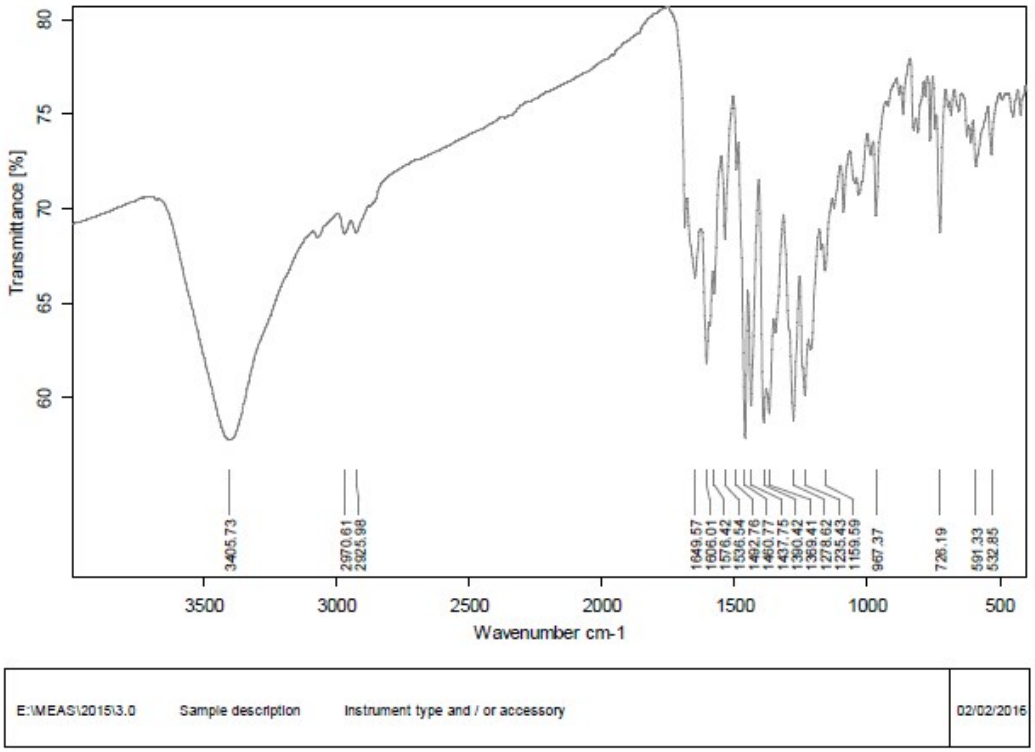

Figure 57 IRof **4l**

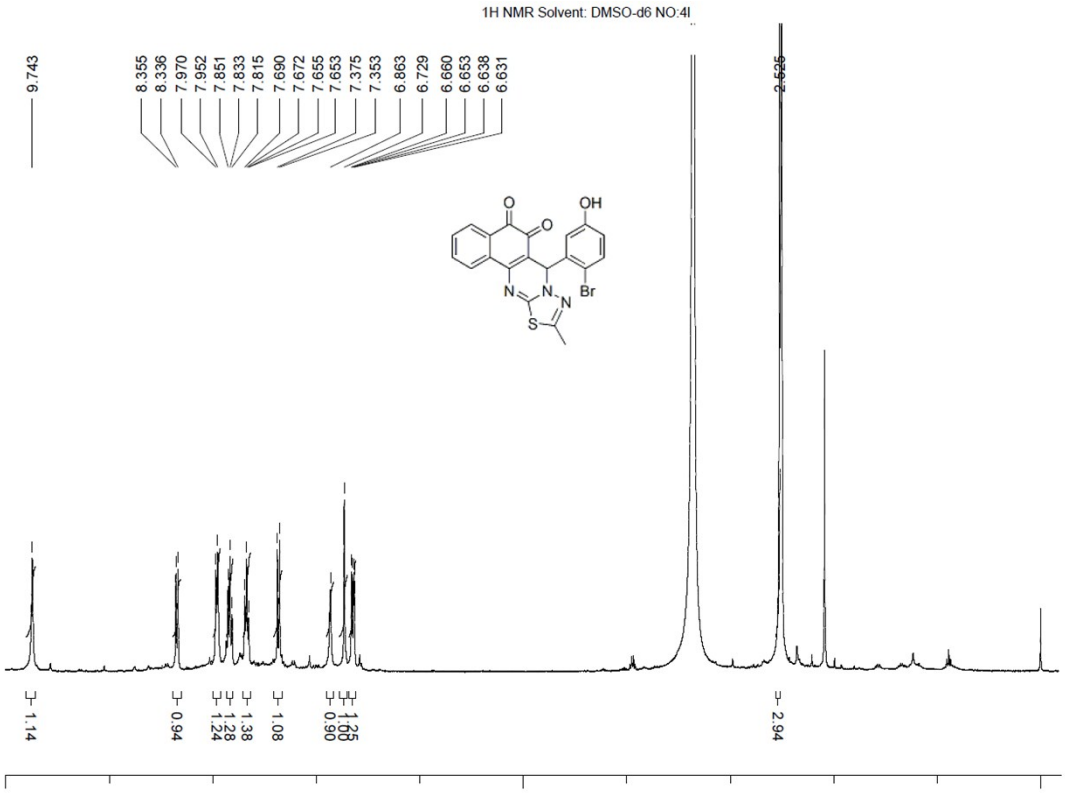

Figure 58 [1]H NMR of **4l**

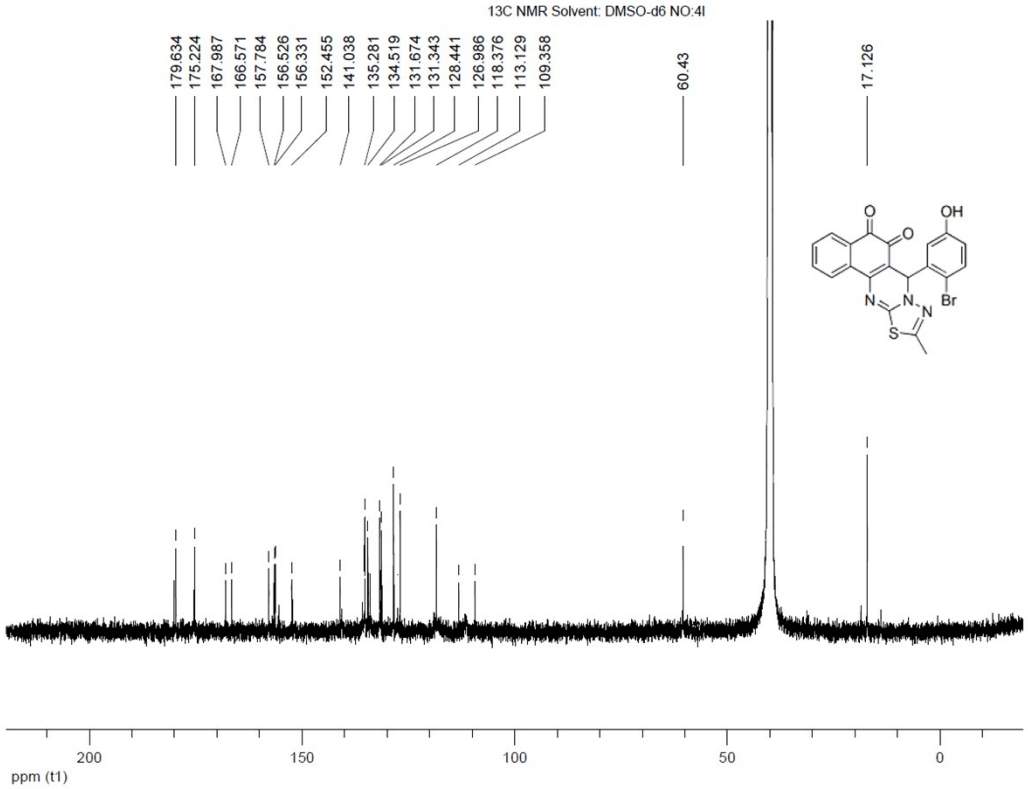

Figure 59 ^{13}C NMR of **4l**

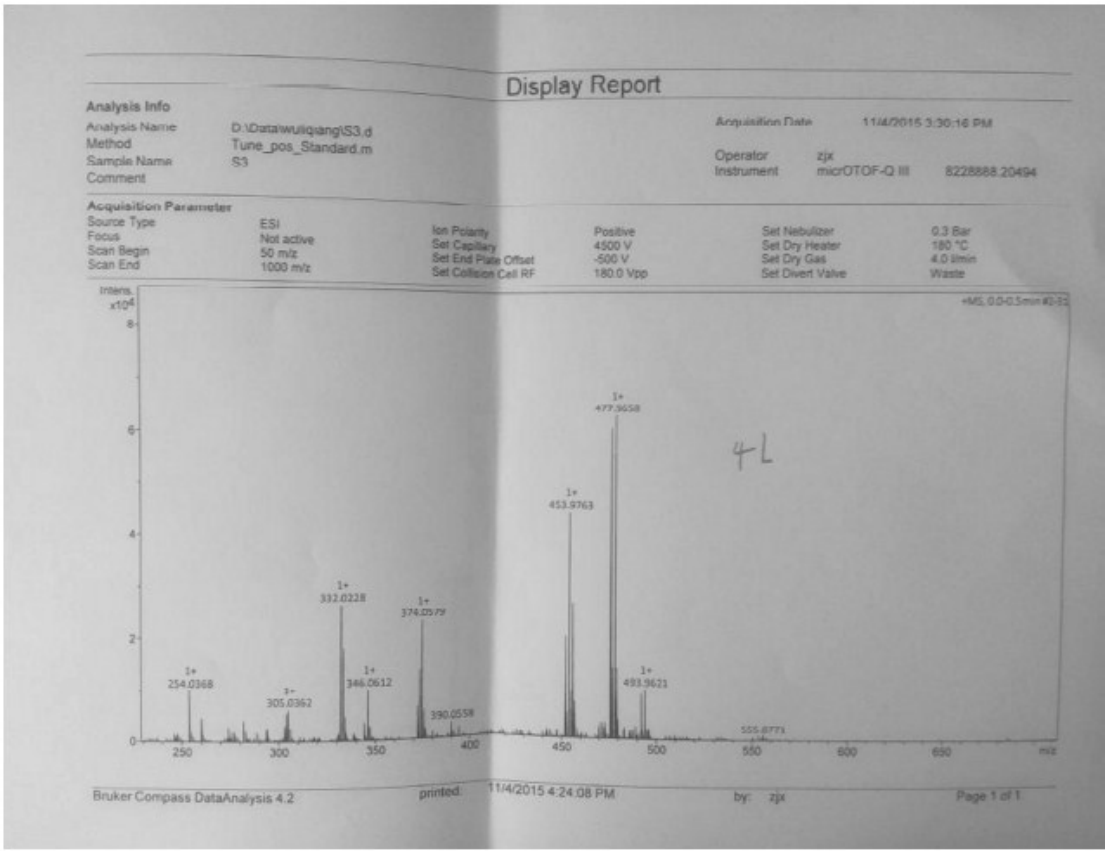

Figure 60 HRMS of **4l**

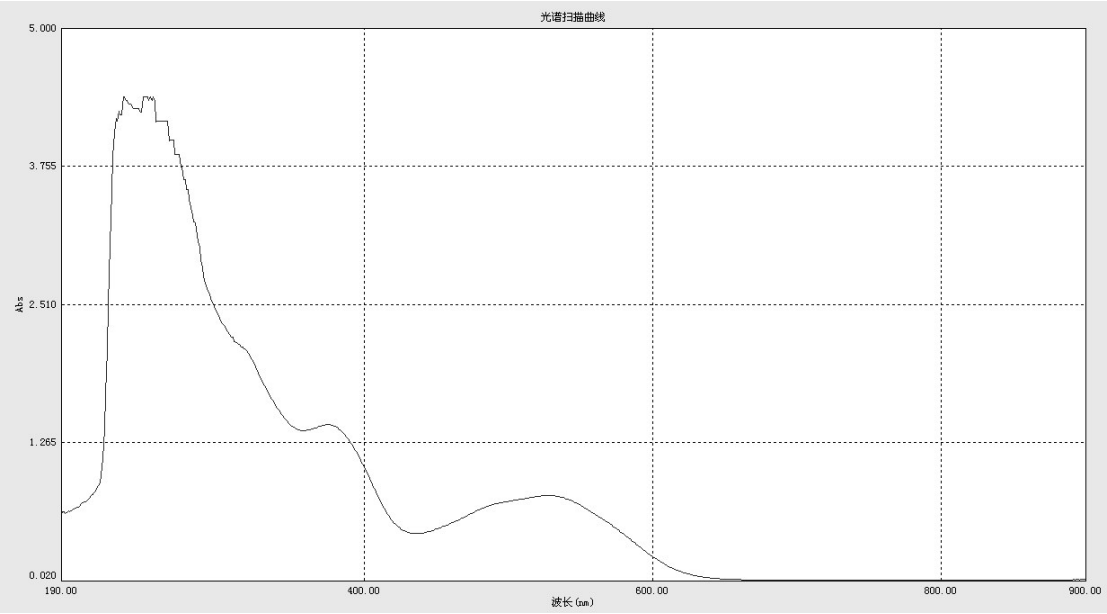

Figure 61 UV−vis of **4m**

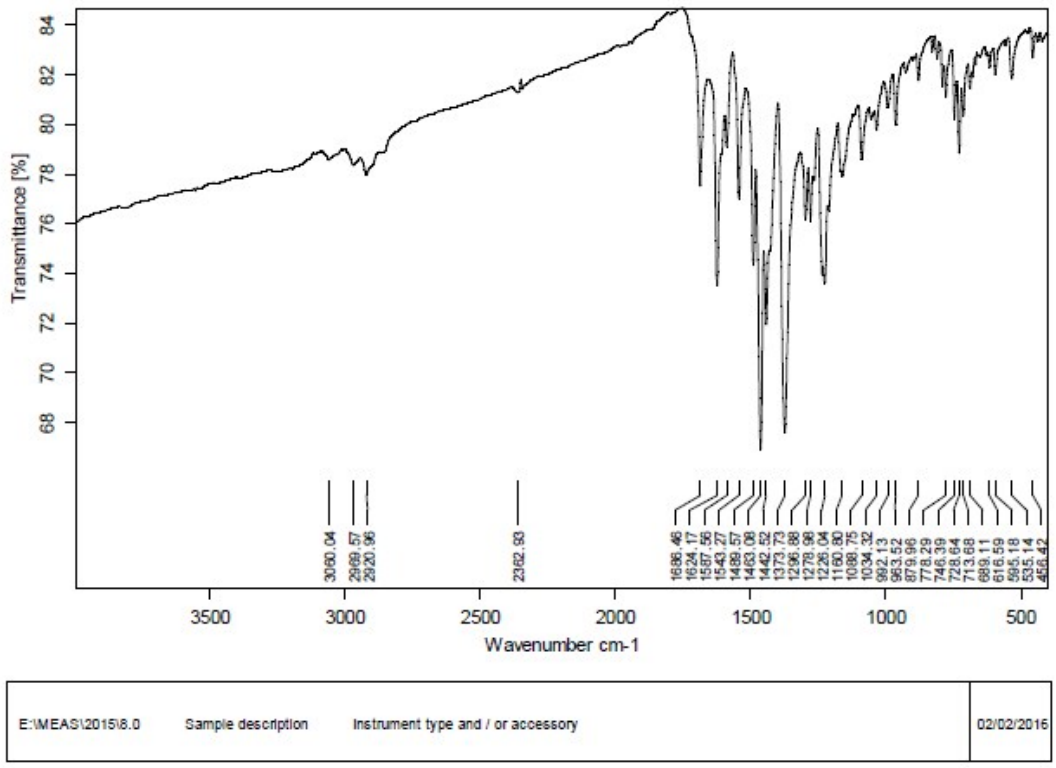

Figure 62 IR of **4m**

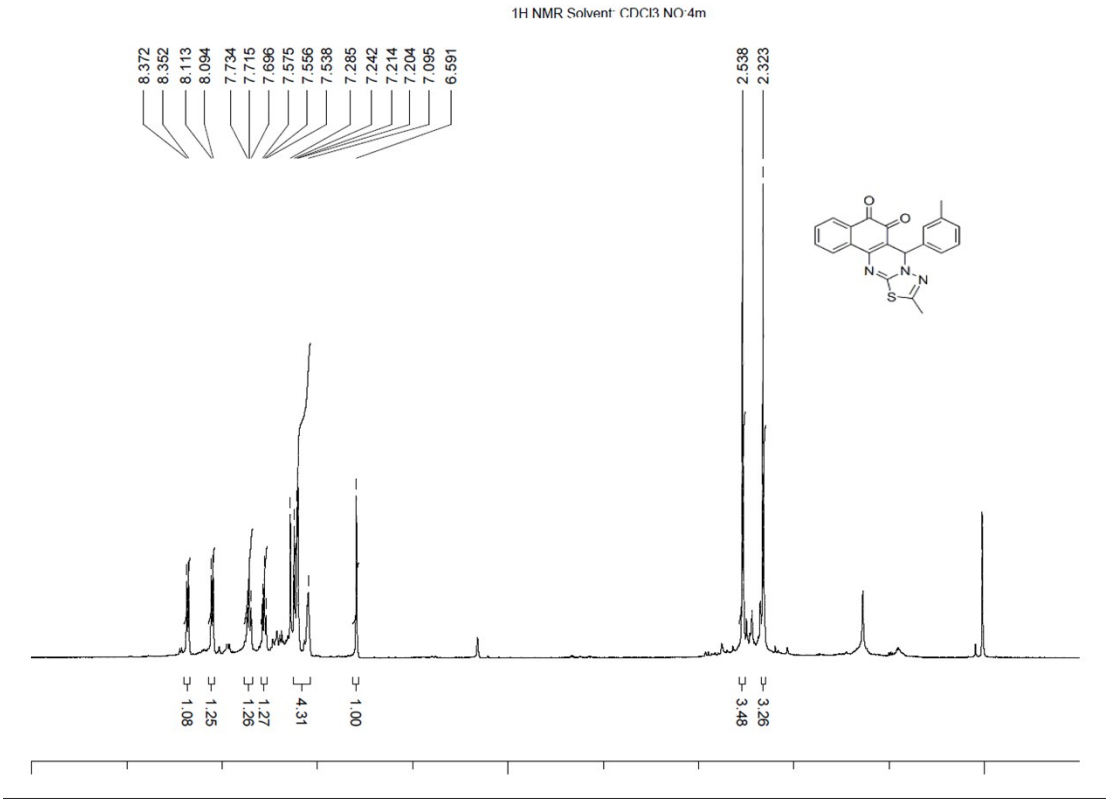

Figure 63 ^{1}H NMR of **4m**

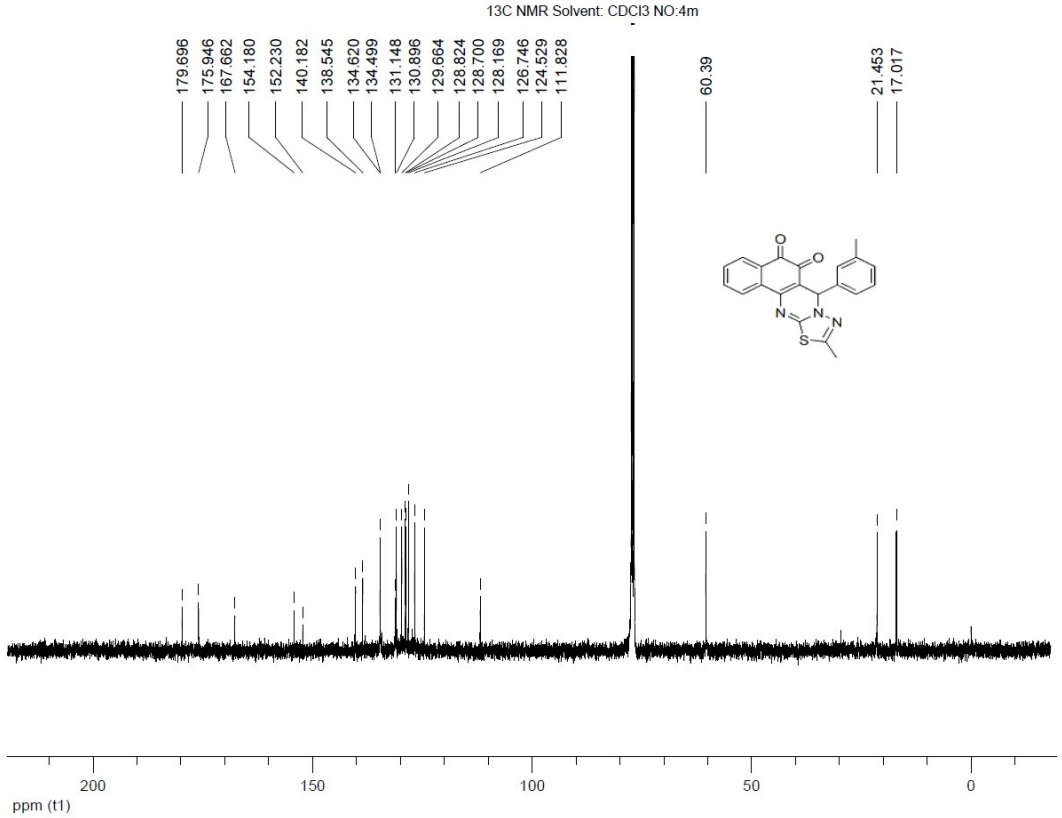

Figure 64 ^{13}C NMR of **4m**

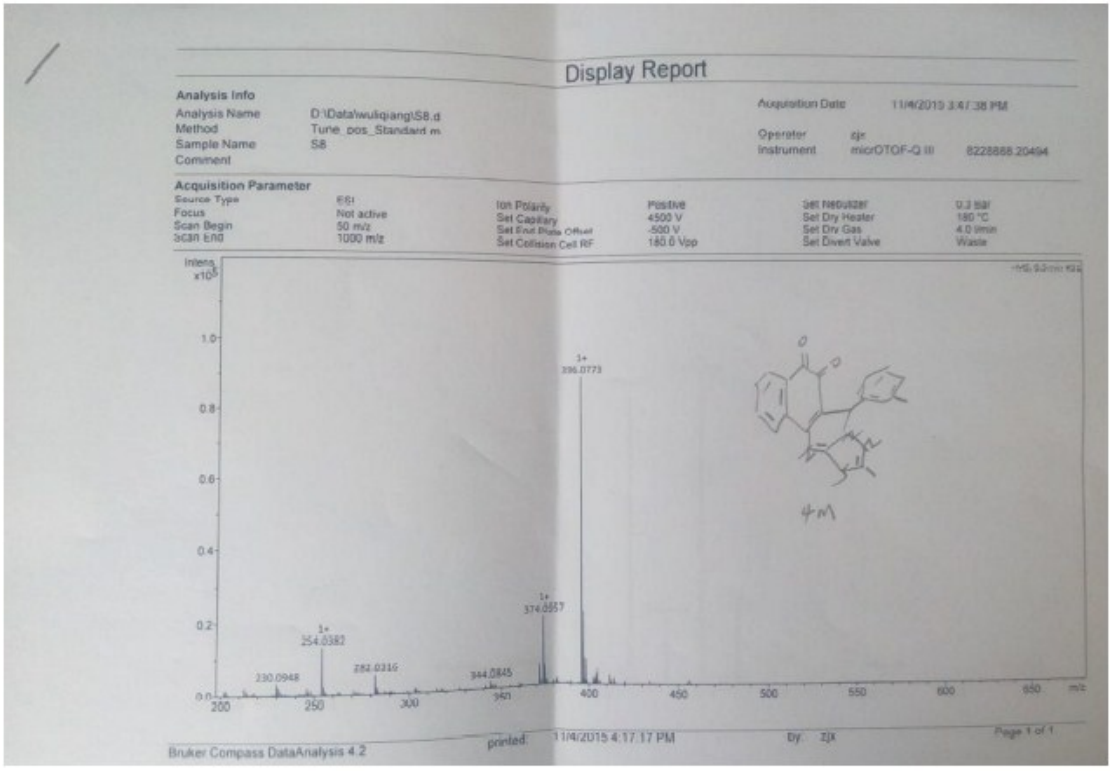

Figure 65 HRMS of **4m**

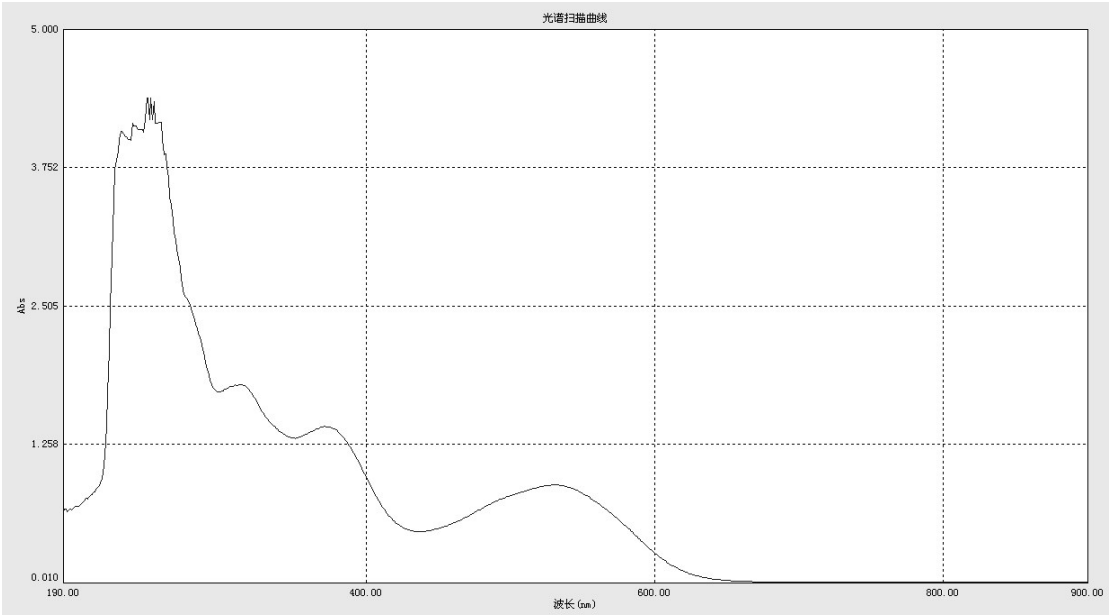

Figure 66 UV-vis of **4n**

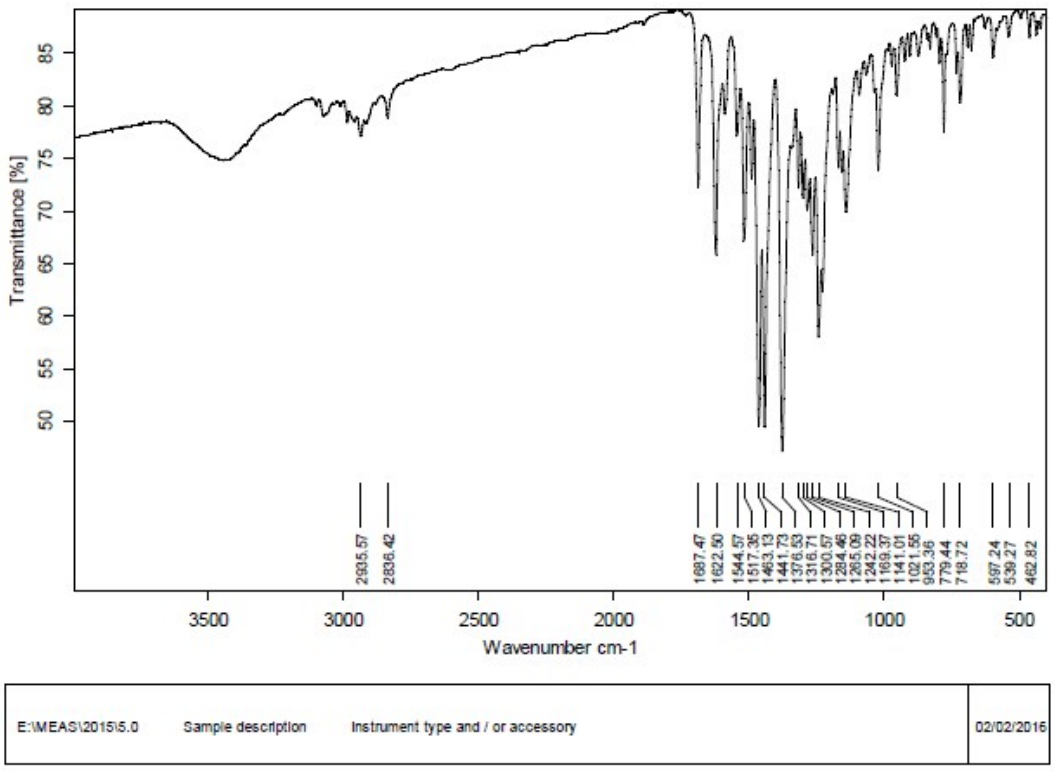

Figure 67 IR of **4n**

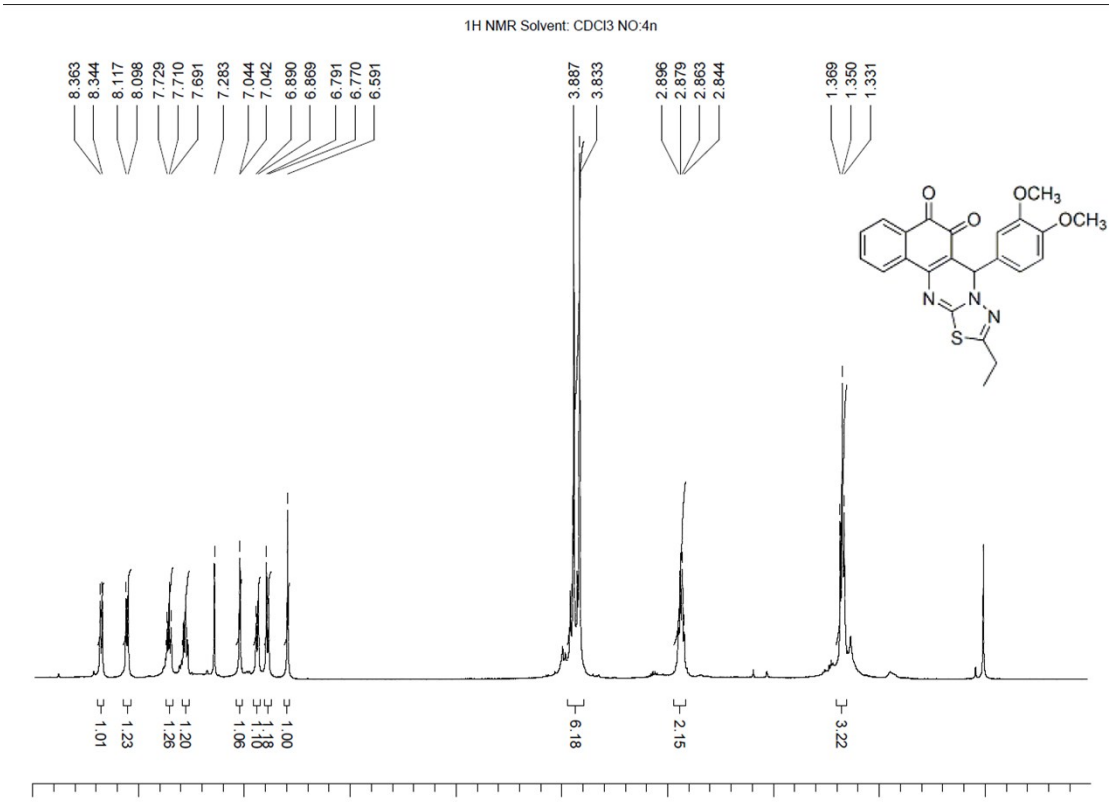

Figure 68 [1]H NMR of **4n**

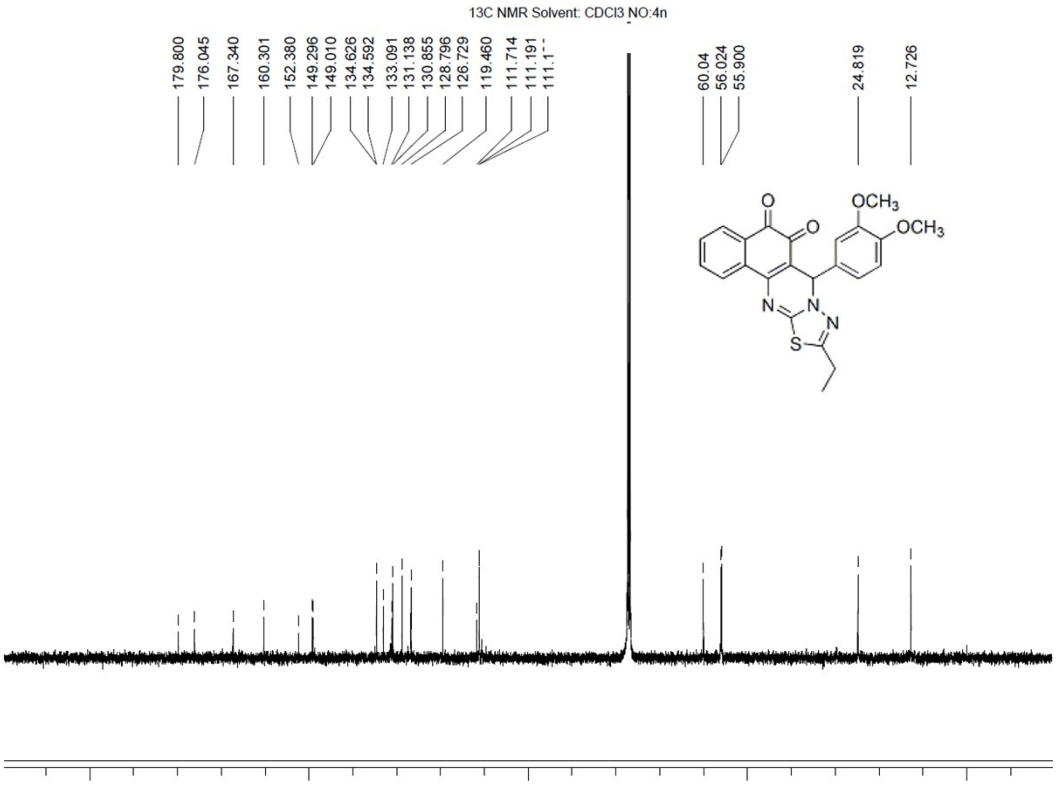

Figure 69 ^{13}C NMR of **4n**

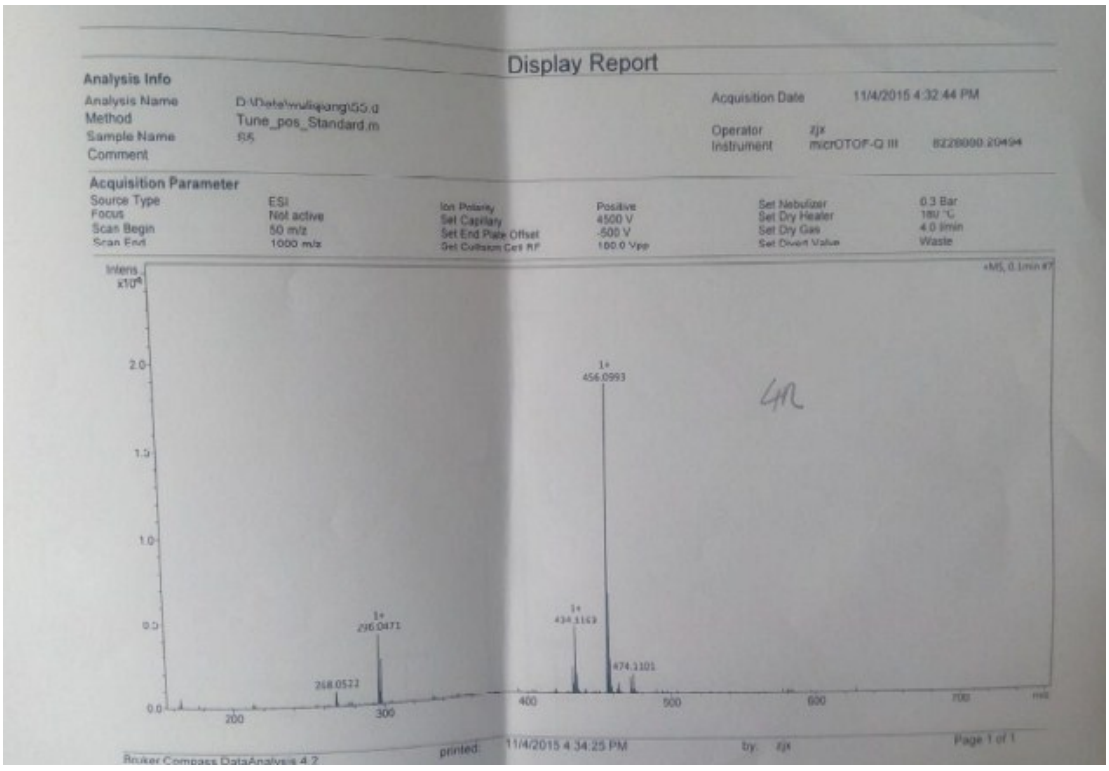

Figure 70 HRMS of **4n**

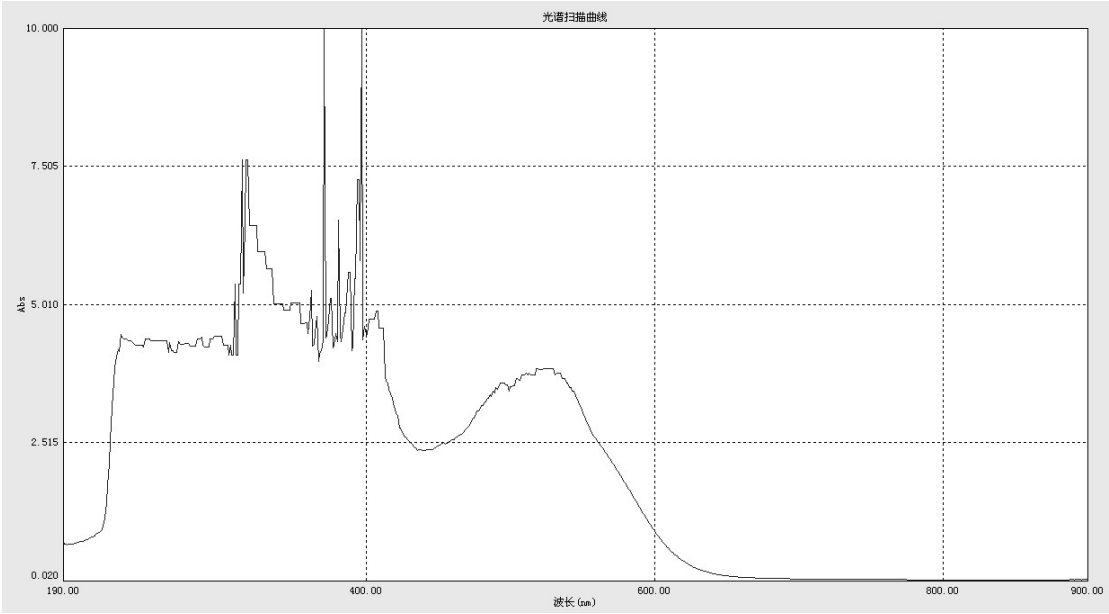

Figure 71 UV-vis of **4o**

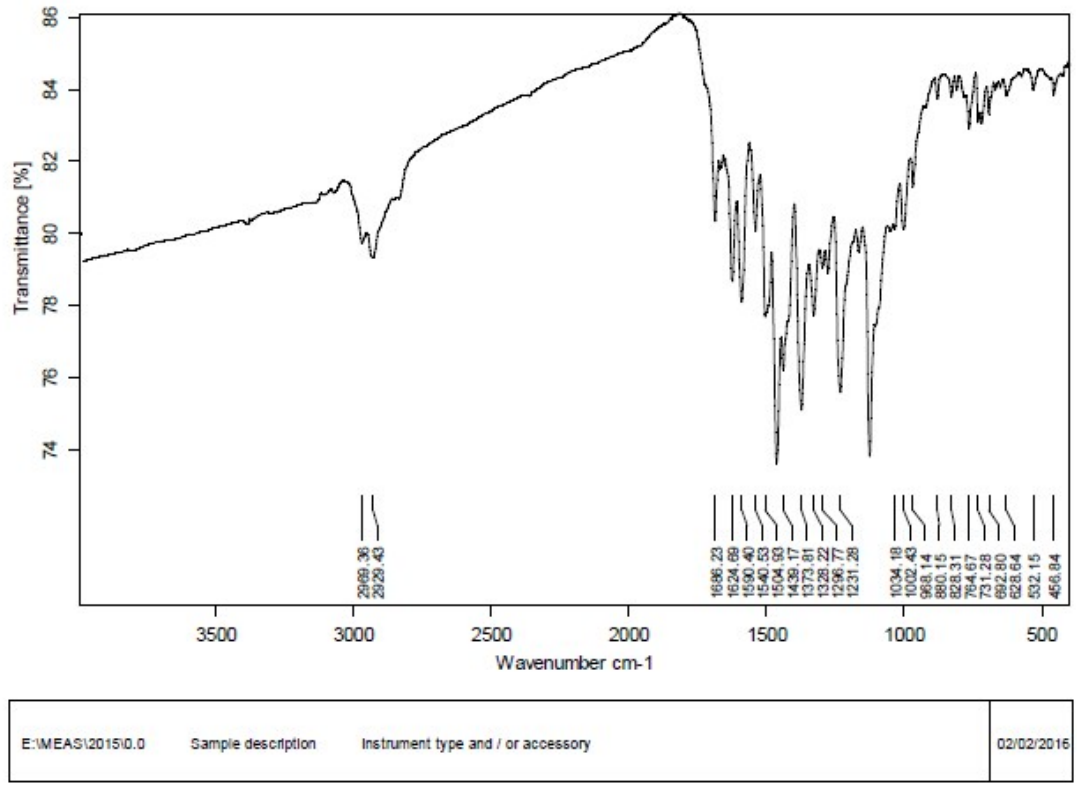

Figure 72 IR of **4o**

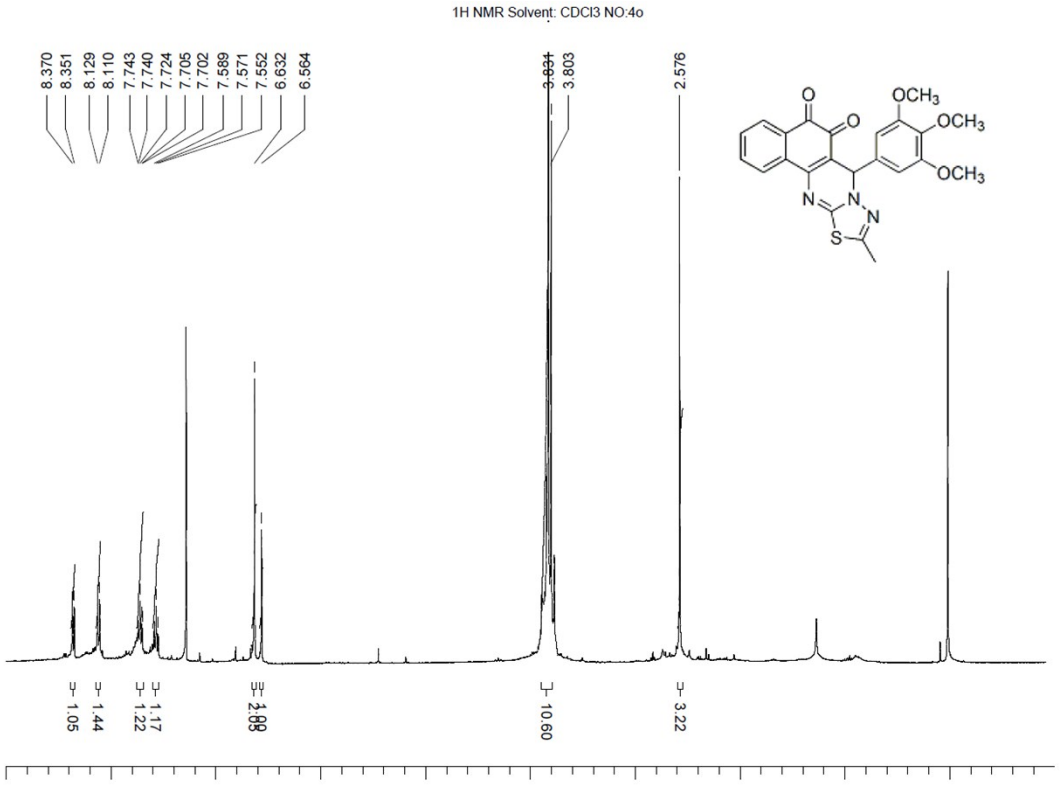

Figure 73 ^{1}H NMR of **4o**

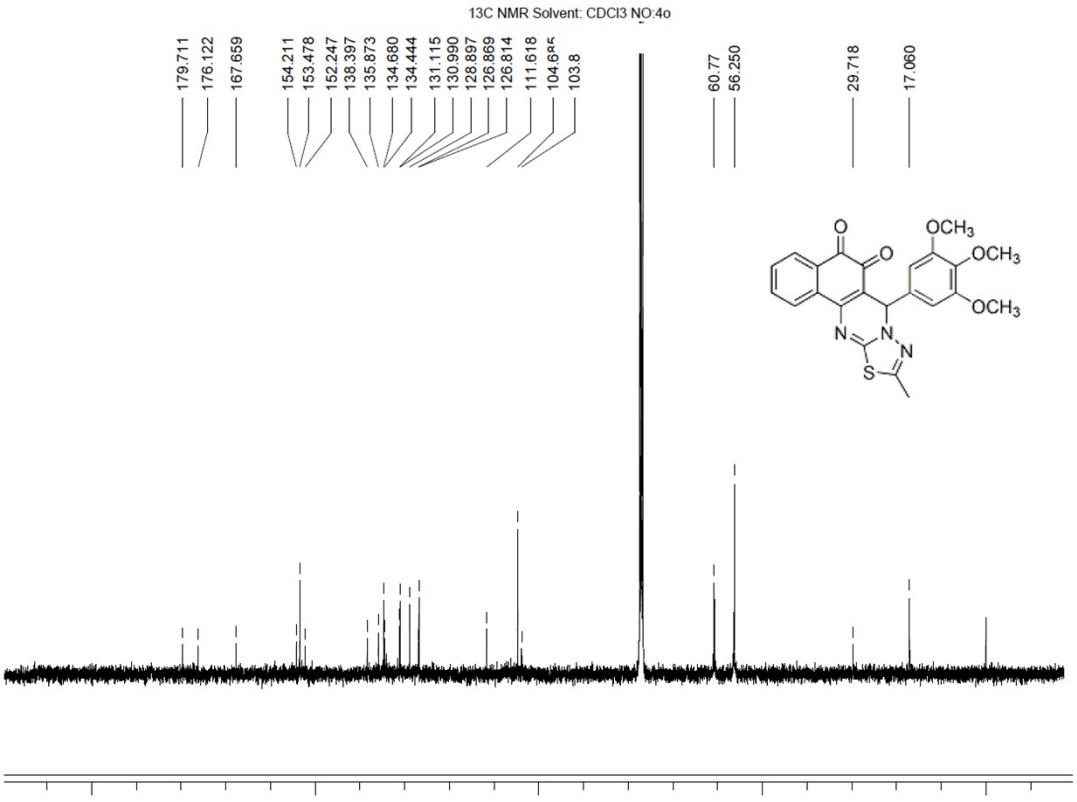

Figure 74 ^{13}C NMR of **4o**

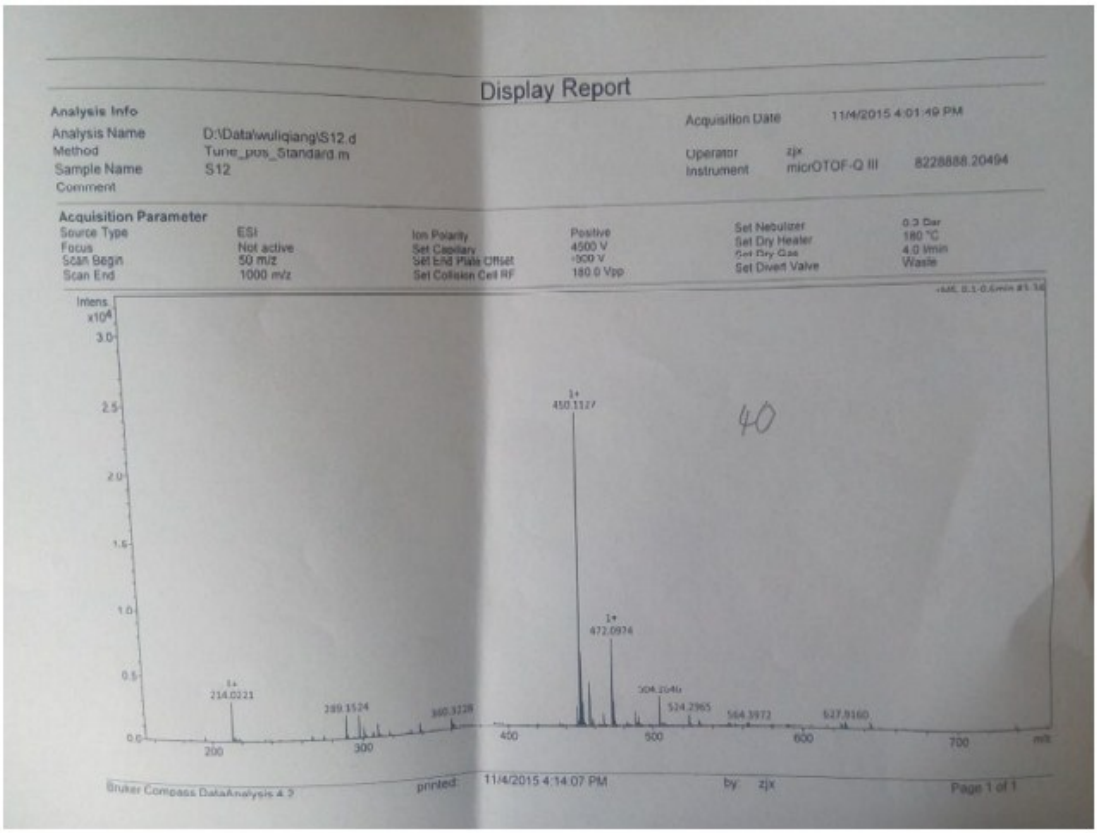

Figure 75 HRMS of **4o**

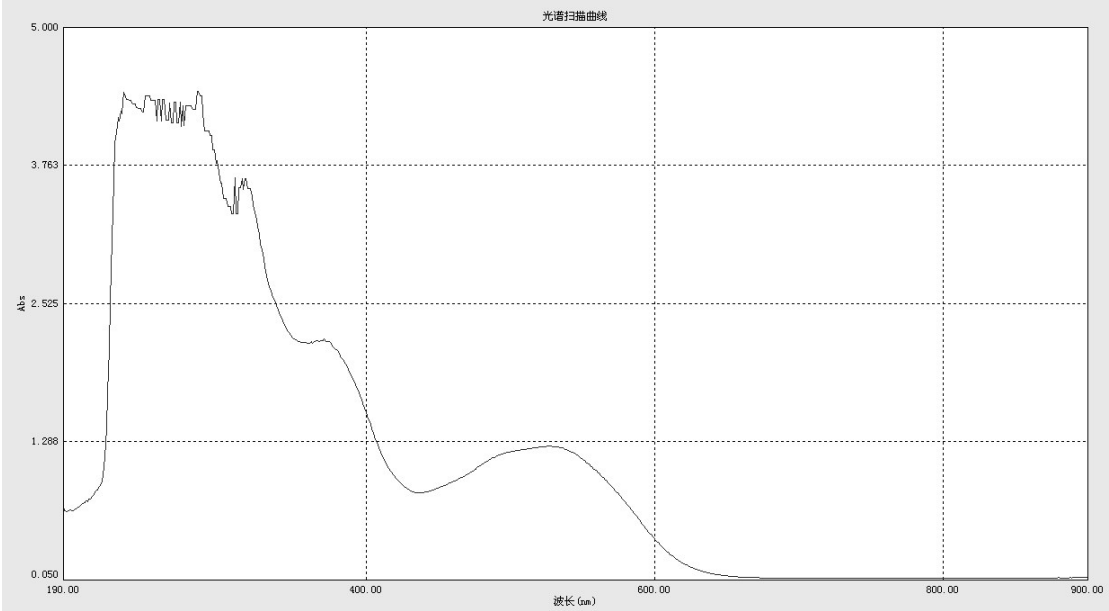

Figure 76 UV-vis of **4p**

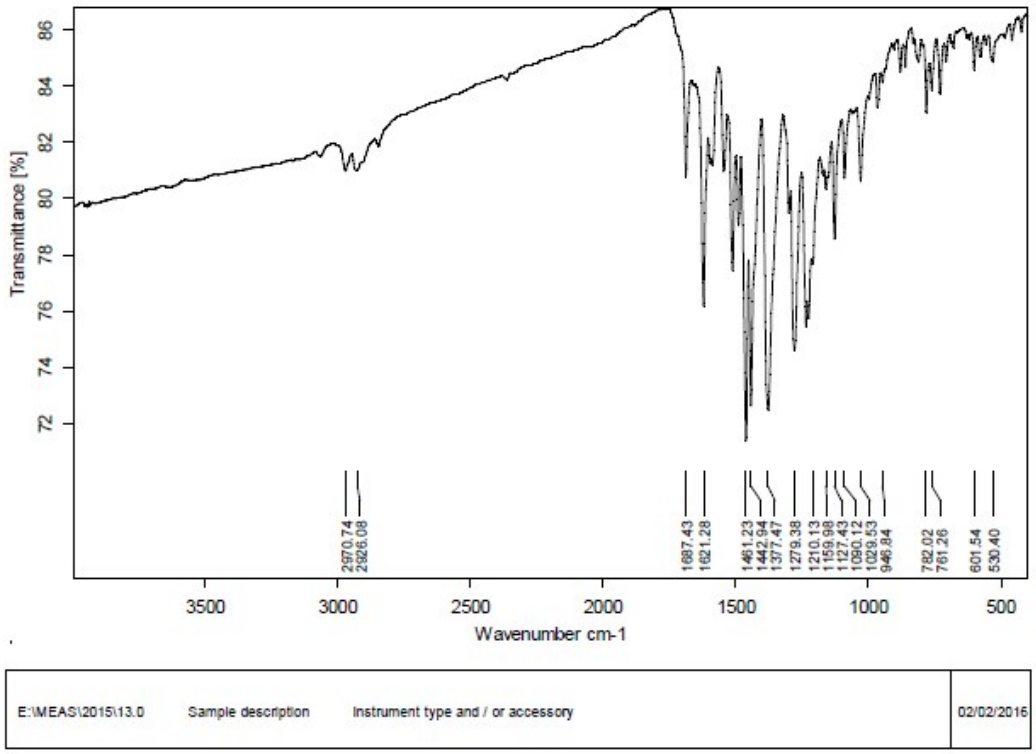

Figure 77 IR of **4p**

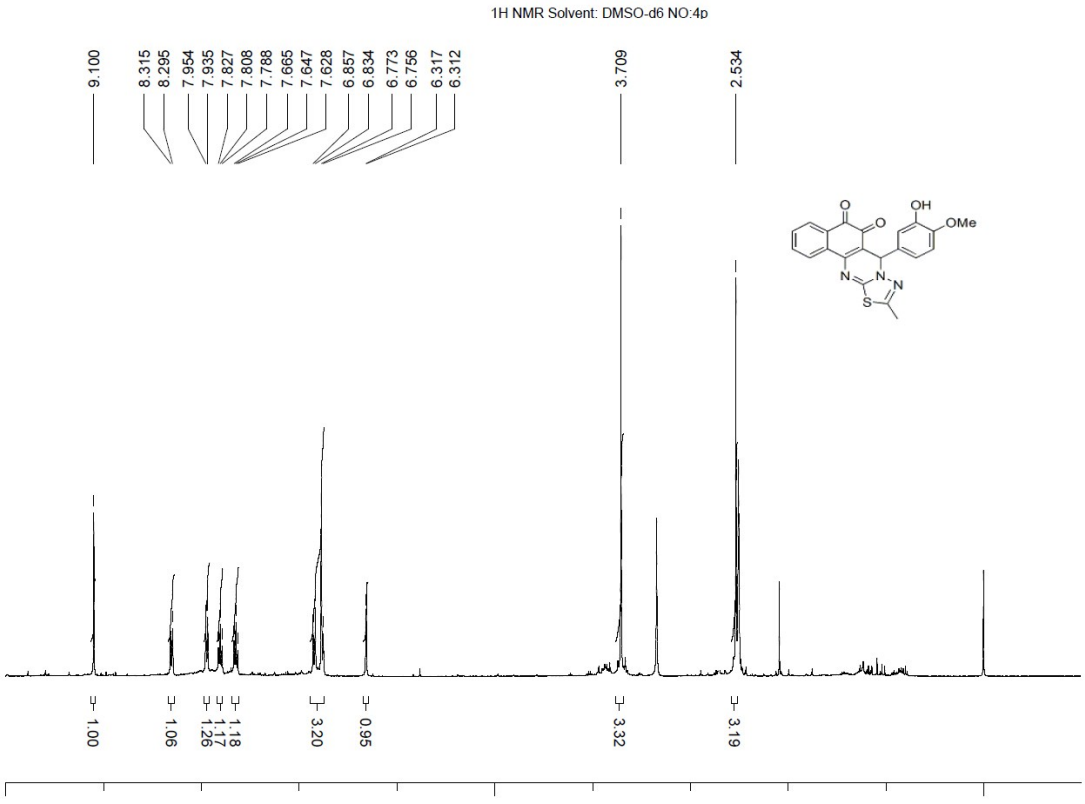

Figure 78 ^{1}H NMR of **4p**

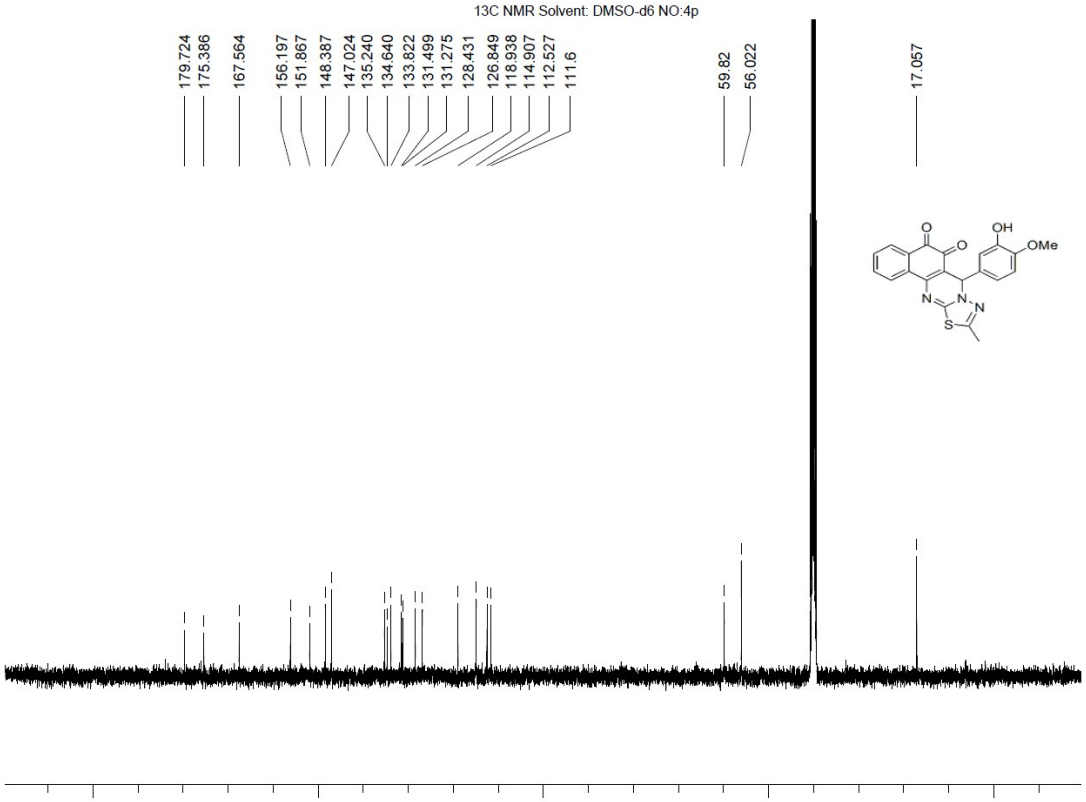

Figure 79 ^{13}C NMR of **4p**

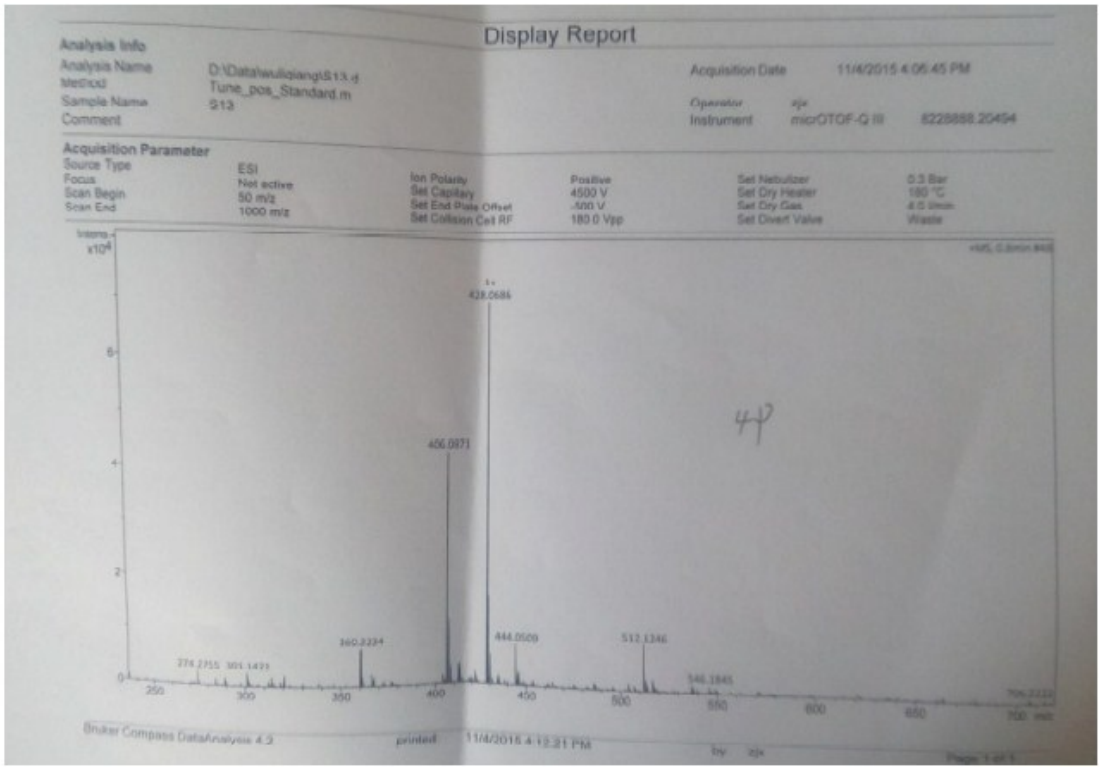

Figure 80 HRMS of **4p**

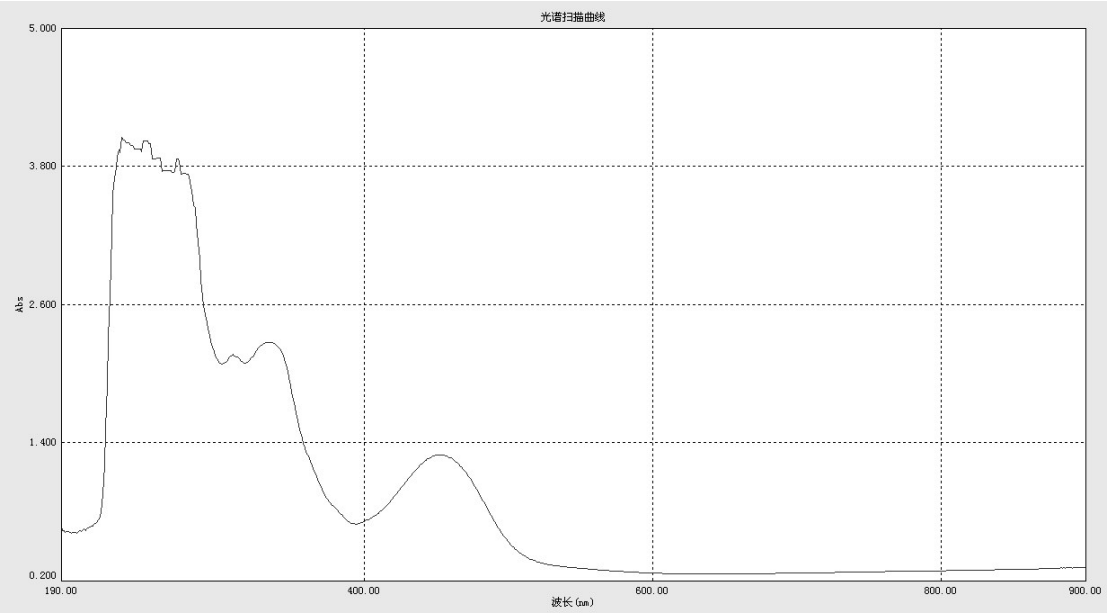

Figure 81 UV-vis of **5**

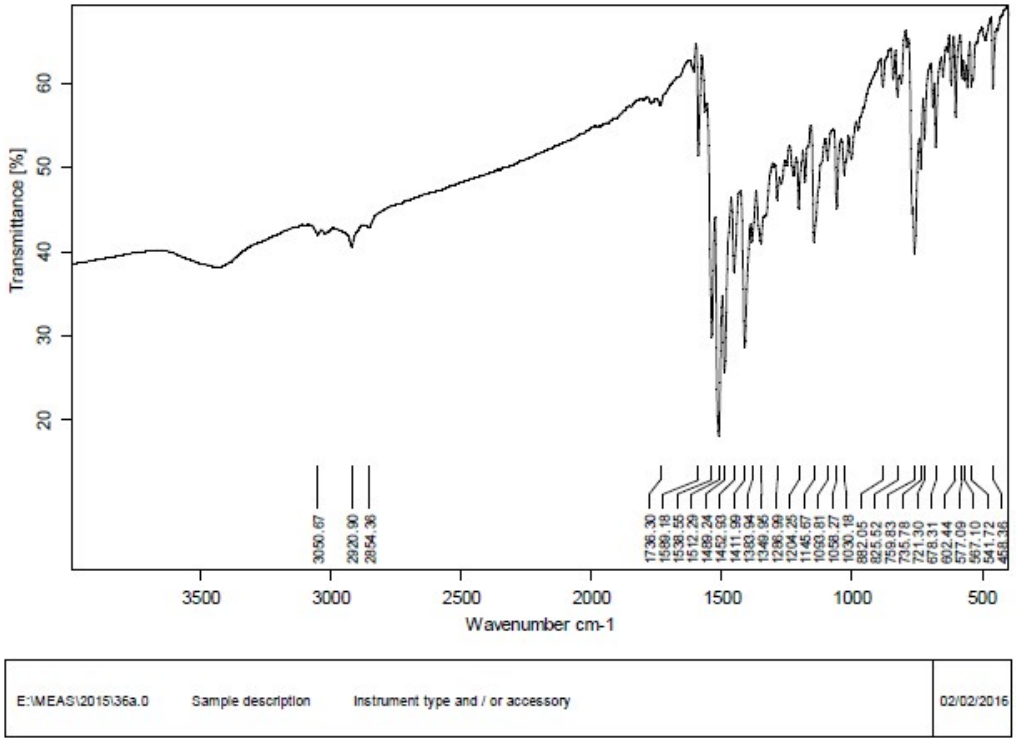

Figure 82 IR of **5**

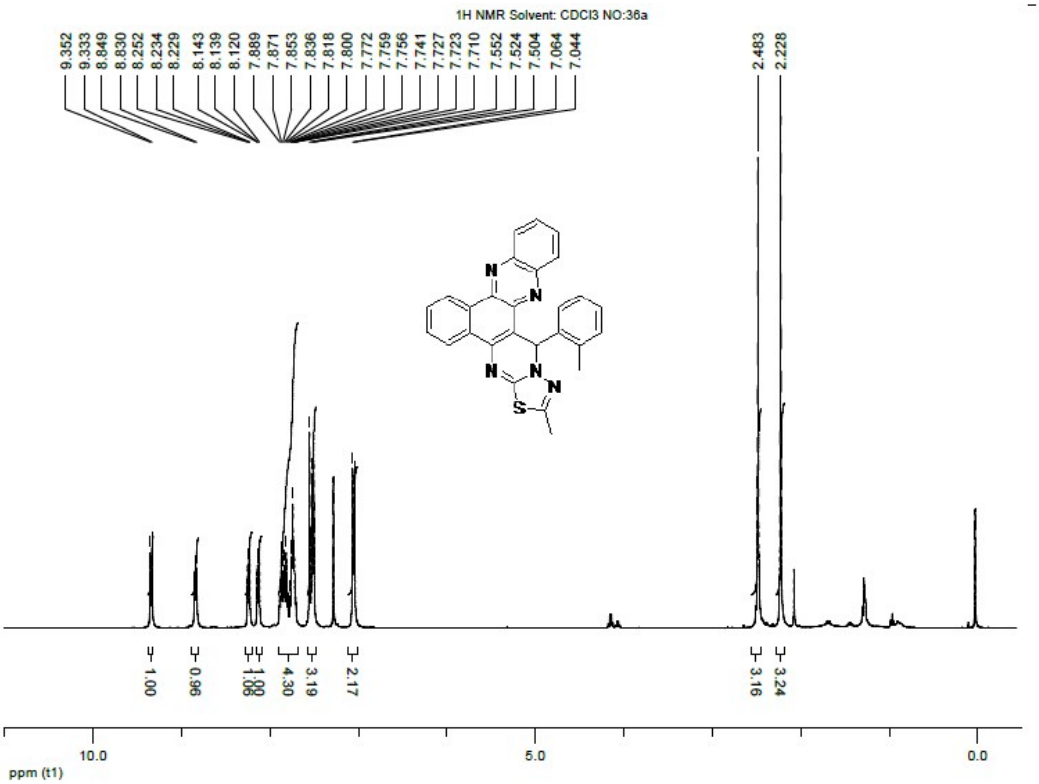

Figure 83 ^{1}H NMR of **5**

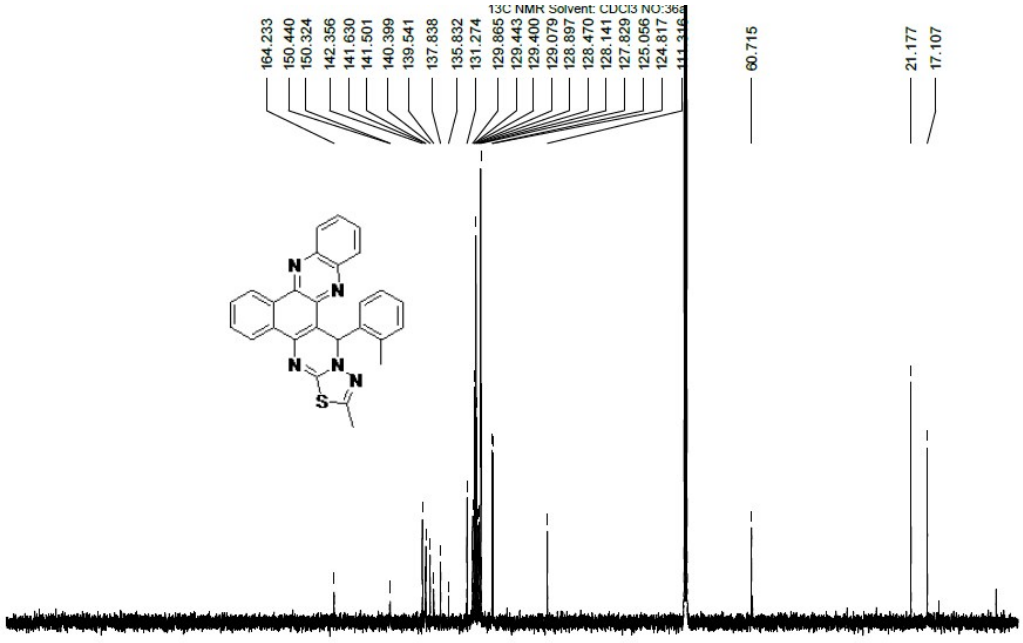

Figure 84 HRMS of **5**

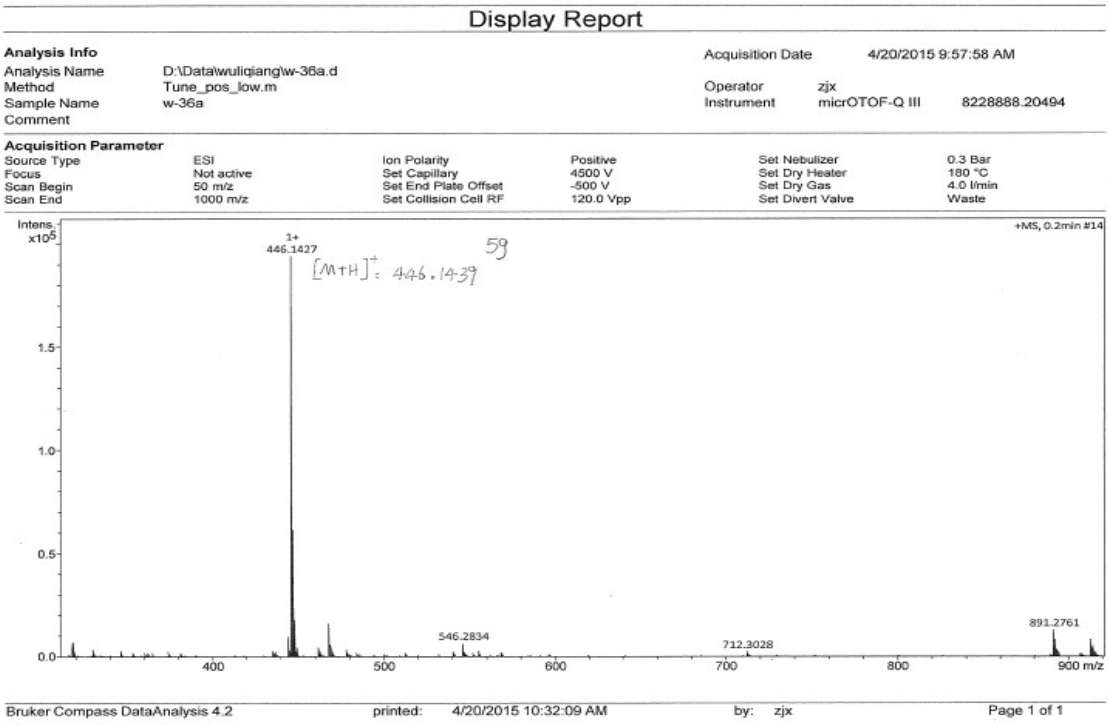

Figure 85 HRMS of **5**