

# SUPPORTING INFORMATION

## SYNTHESIS AND BIOLOGICAL EVALUATION OF NEW PYRIMIDINE DERIVATIVES AS FAK INHIBITORS FOR DEVELOPMENT OF ANTITUMOR AGENTS

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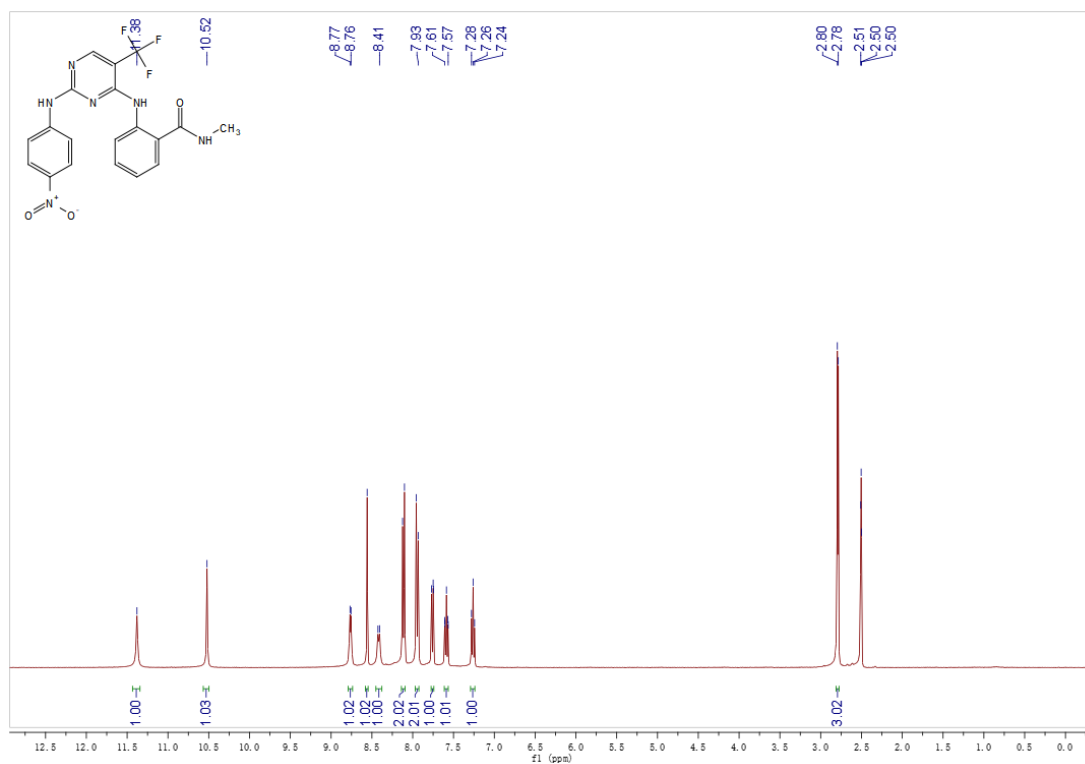
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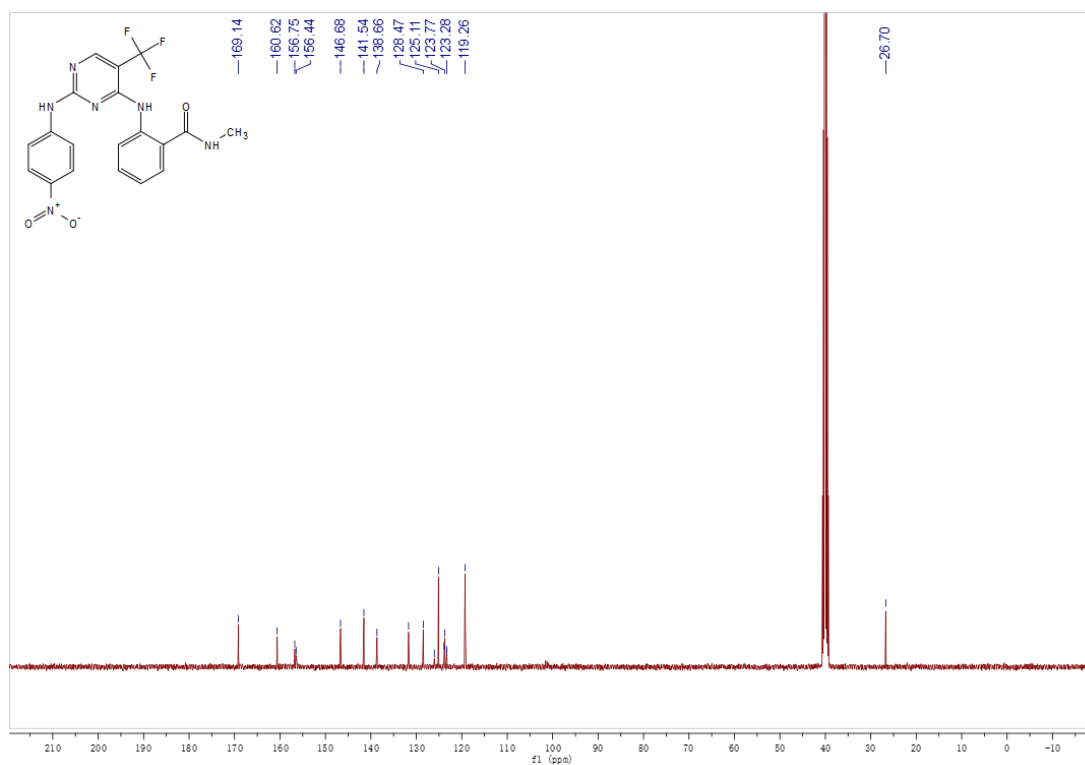
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**Fig. S1.** <sup>1</sup>H NMR spectrum of compound **2**

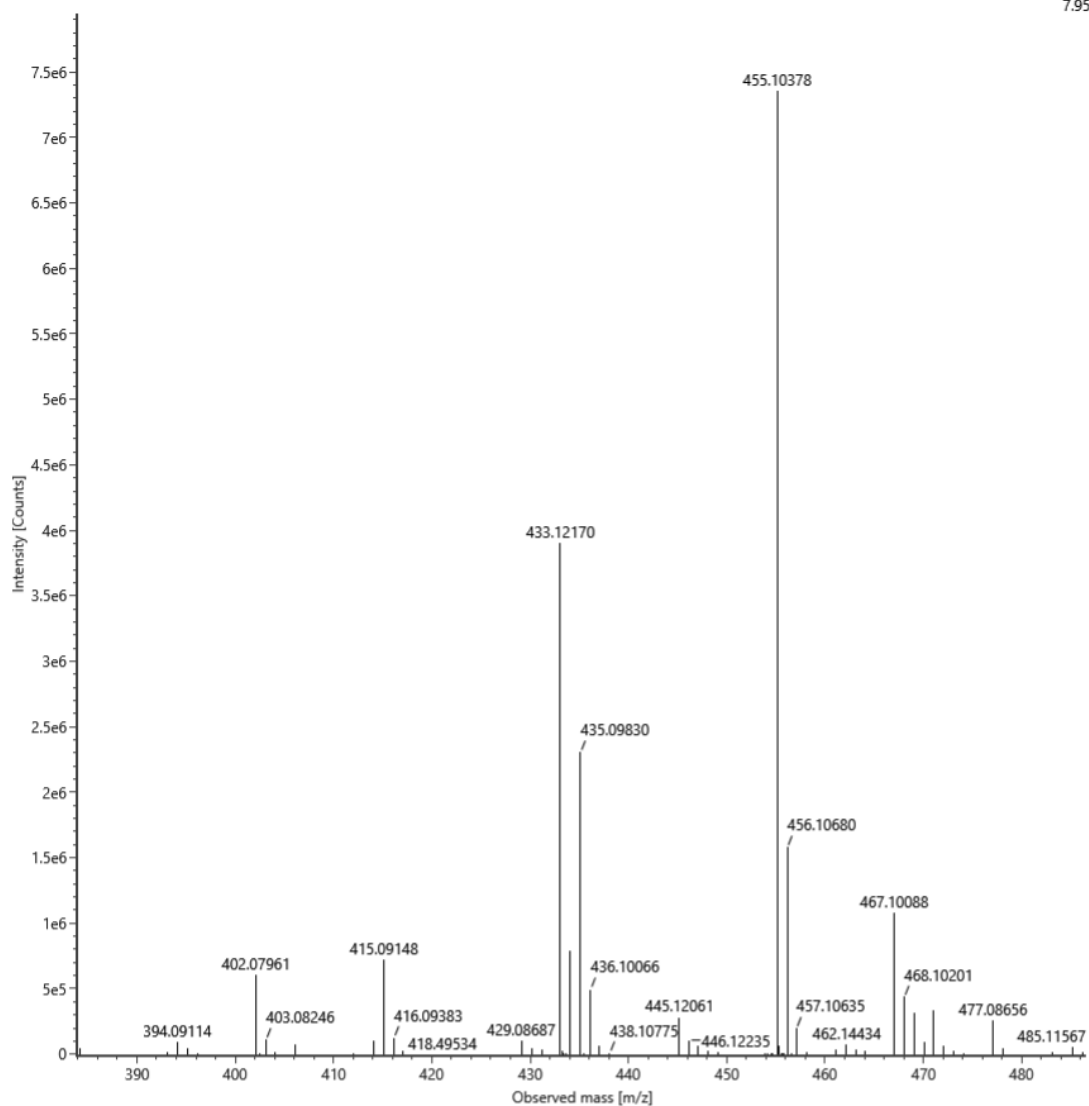


**Fig. S2.** <sup>13</sup>C NMR spectrum of compound **2**

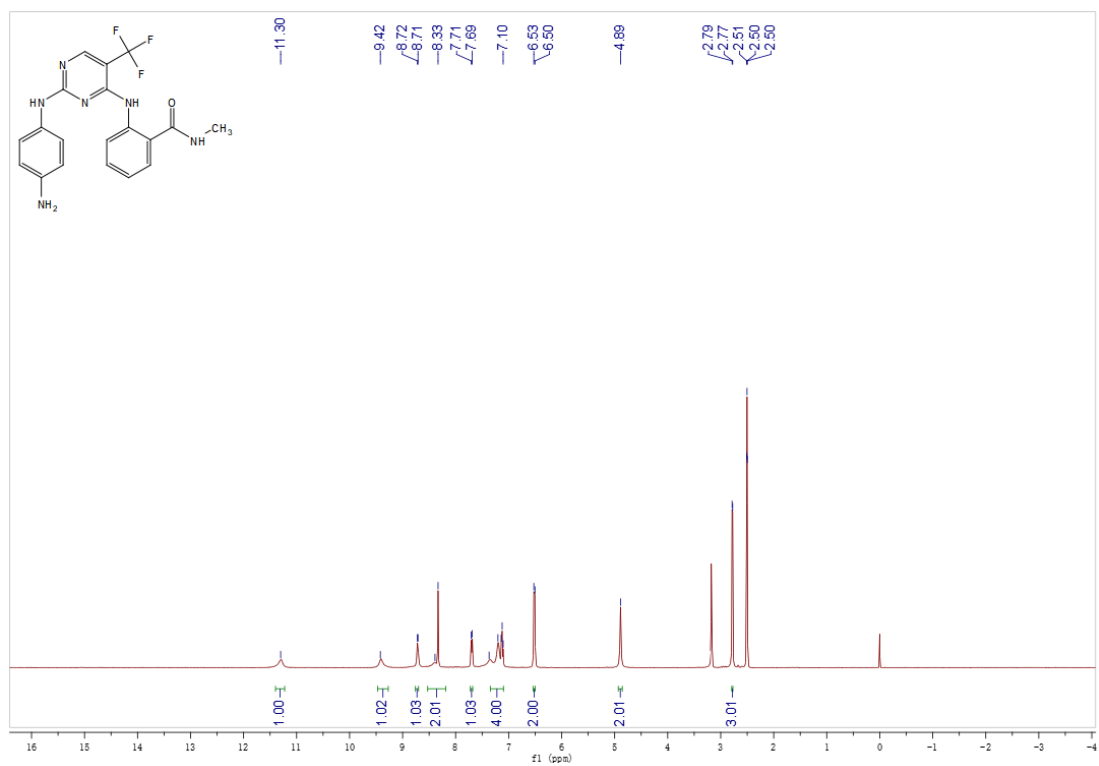
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Item description:

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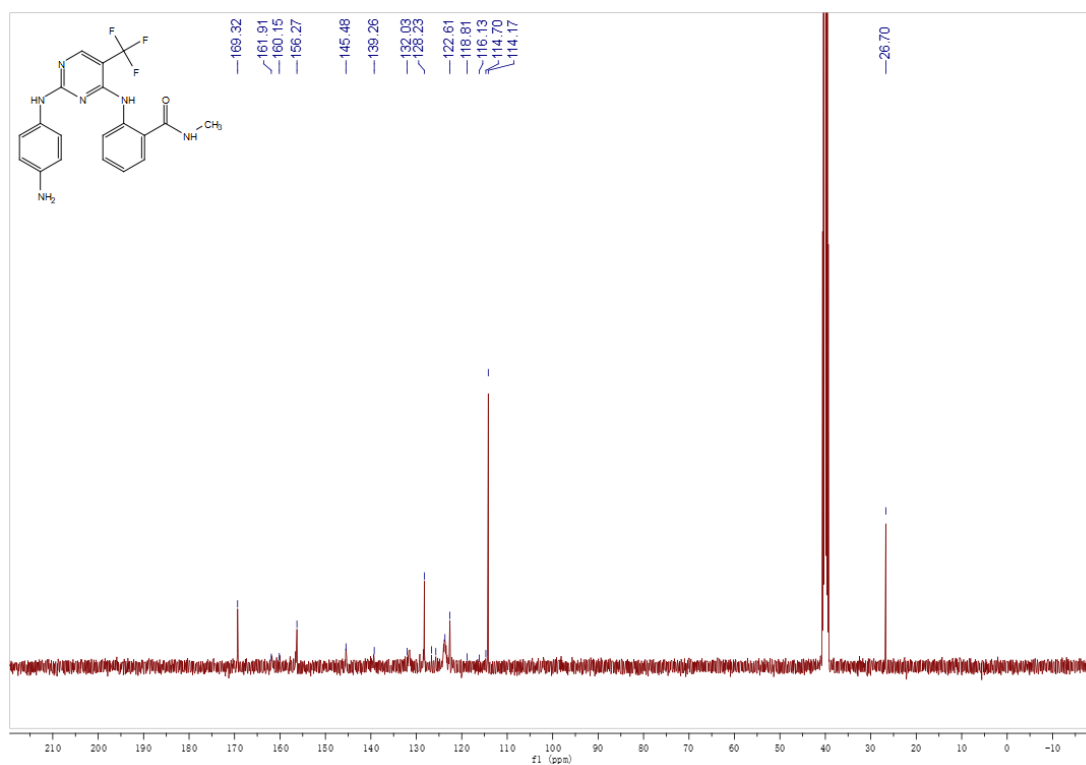
7.95e6



**Fig. S3.** HRMS spectrum of compound 2



**Fig. S4.** <sup>1</sup>H NMR spectrum of compound **3**

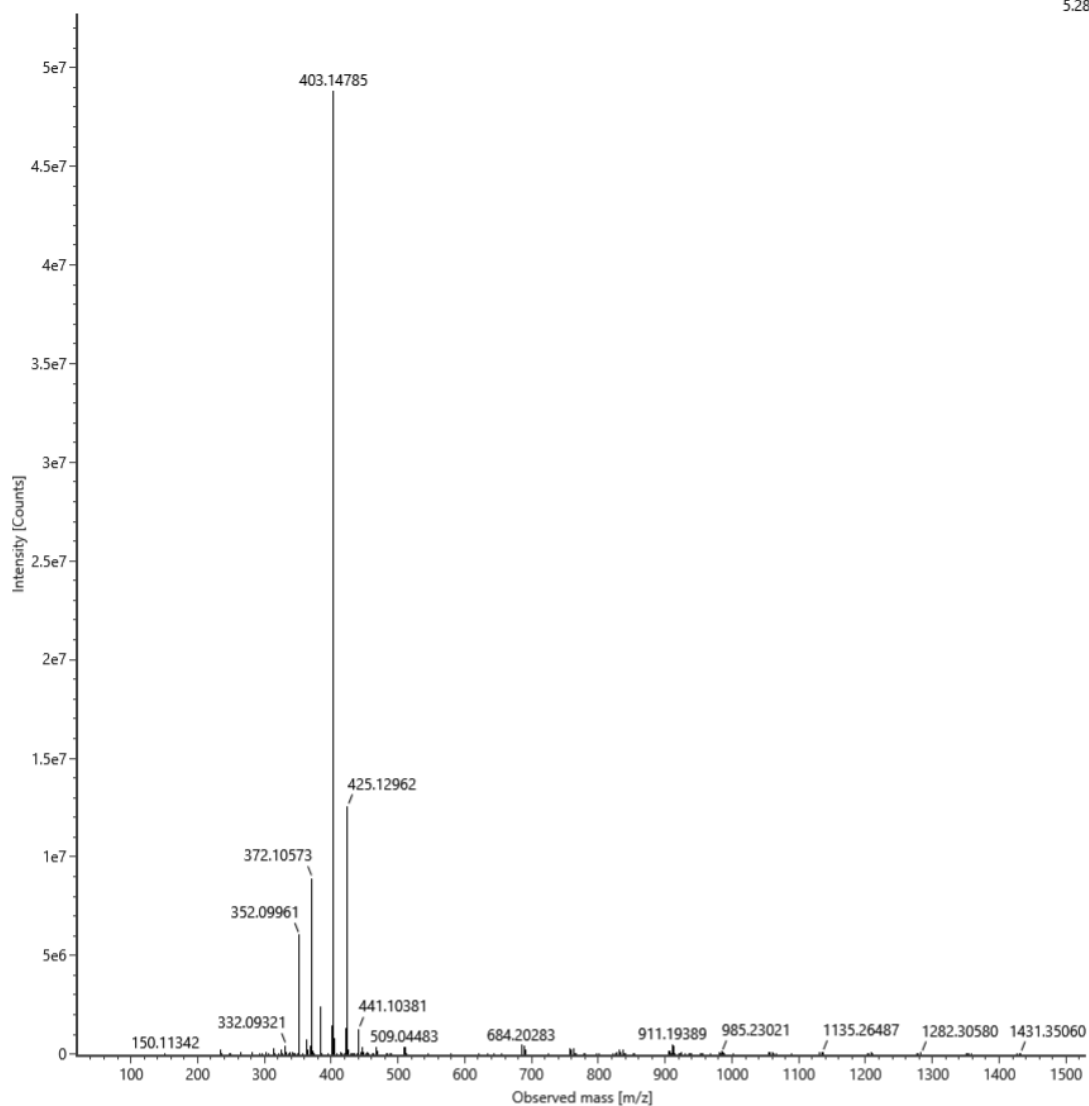


**Fig. S5.** <sup>13</sup>C NMR spectrum of compound **3**

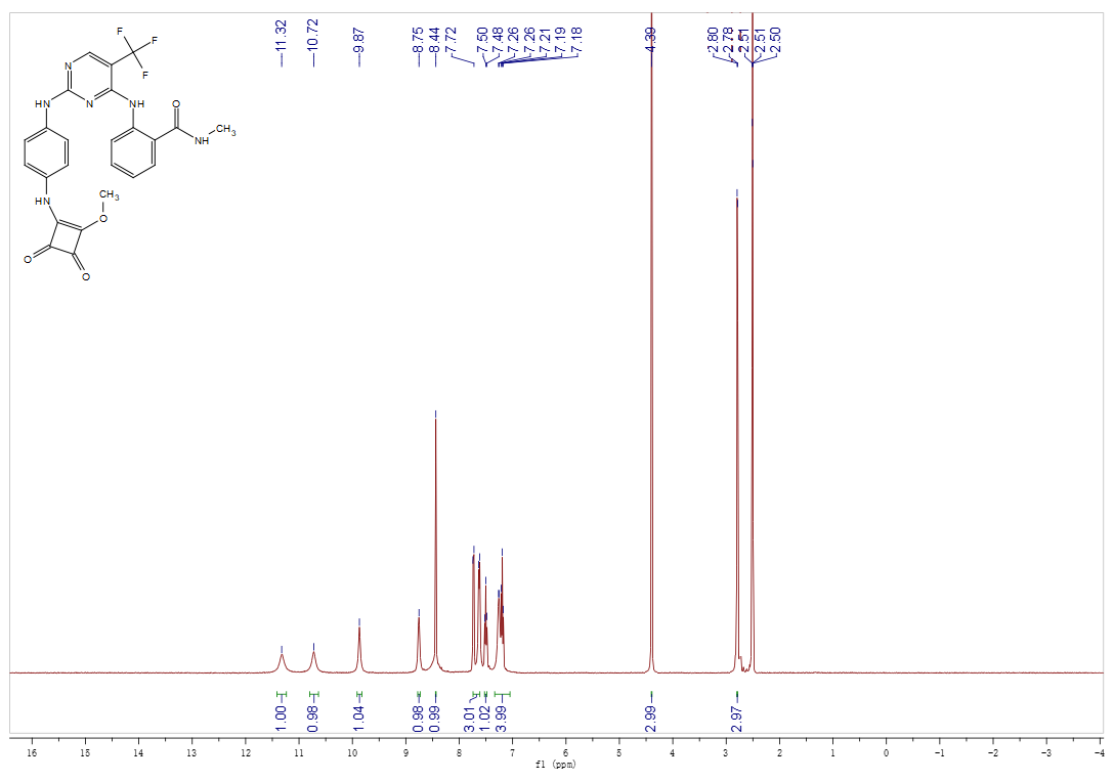
Item name: wq-322  
Item description:

Channel name: 1: Average Time 0.1003 min : TOF MS (50-1500) ESI+ : Centroided : Combined

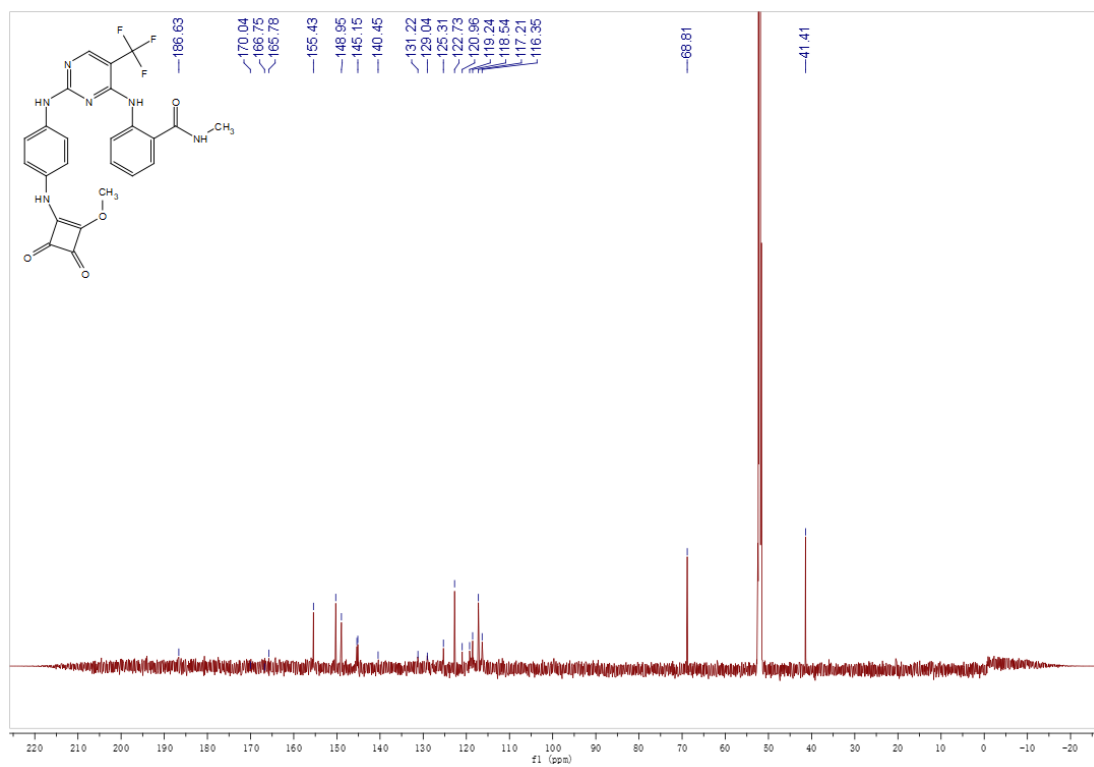
5.28e7



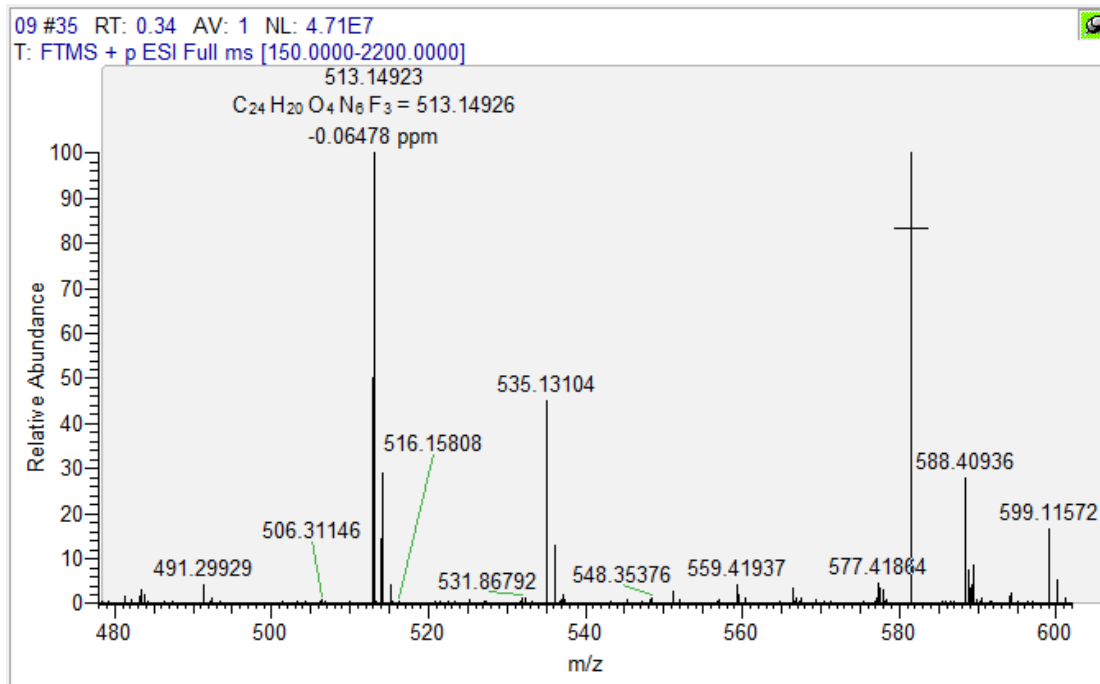
**Fig. S6.** HRMS spectrum of compound **3**



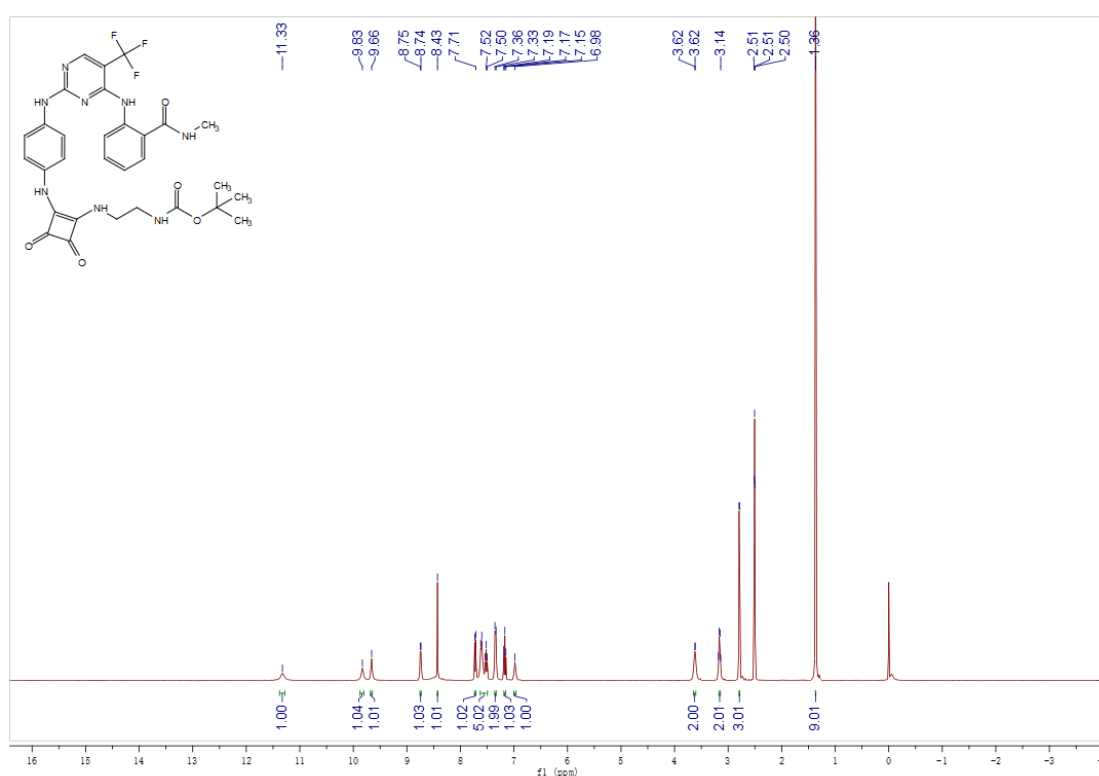
**Fig. S7.** <sup>1</sup>H NMR spectrum of compound 4



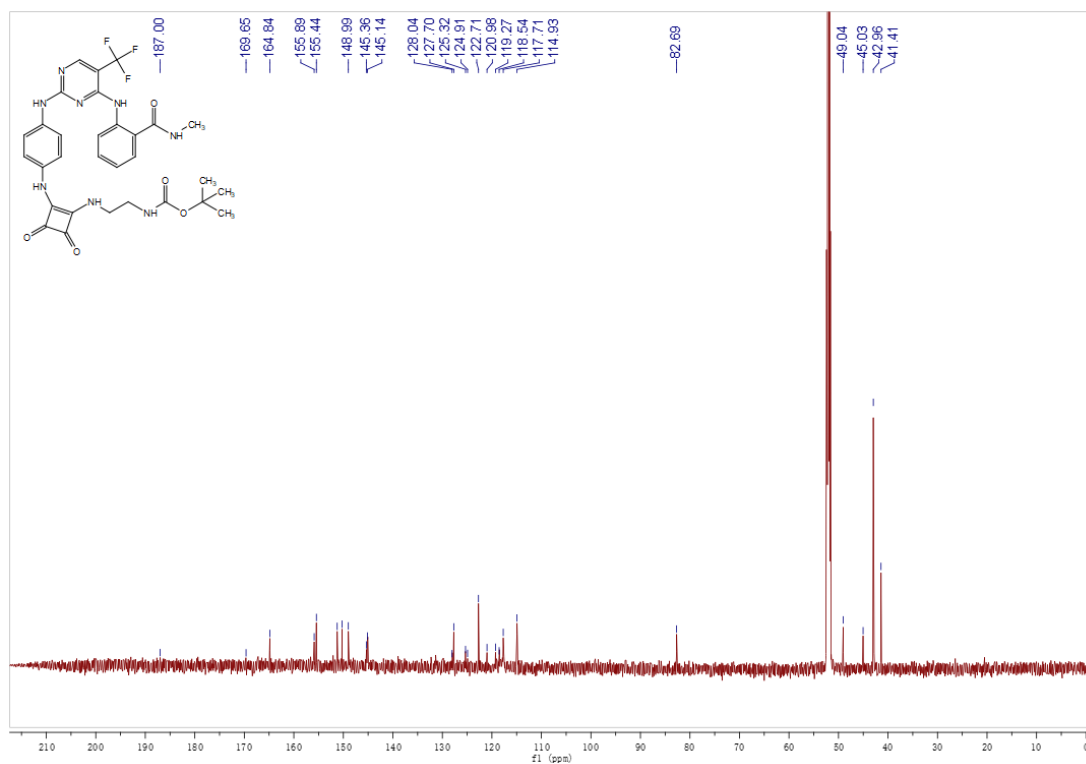
**Fig. S8.** <sup>13</sup>C NMR spectrum of compound 4



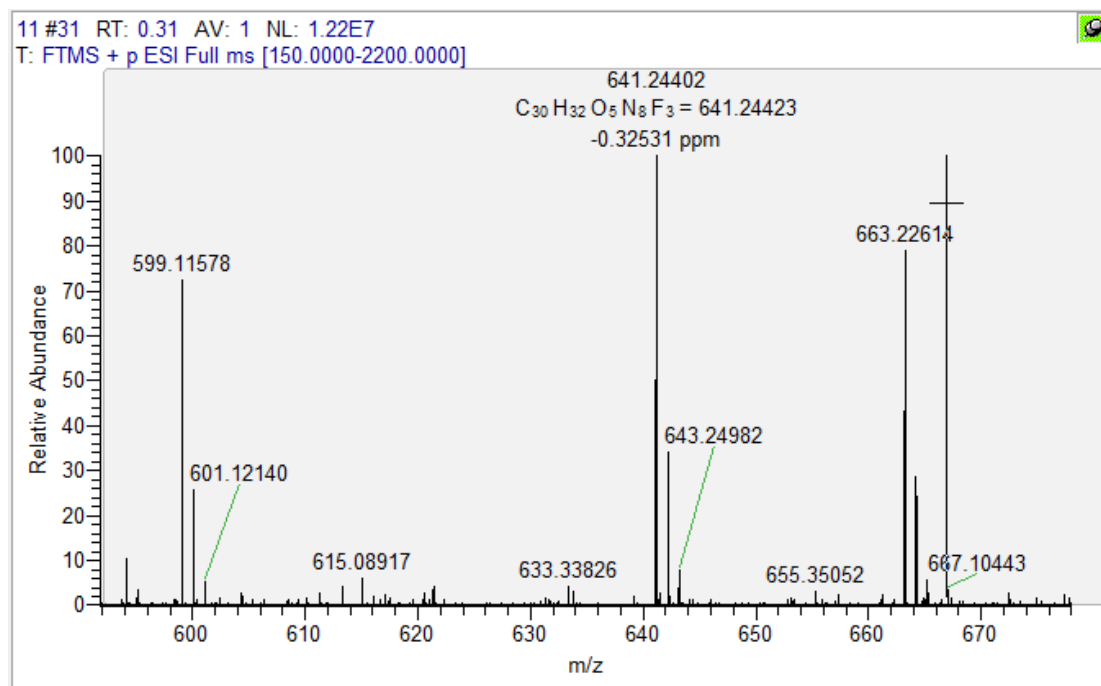
**Fig. S9.** HRMS spectrum of compound 4



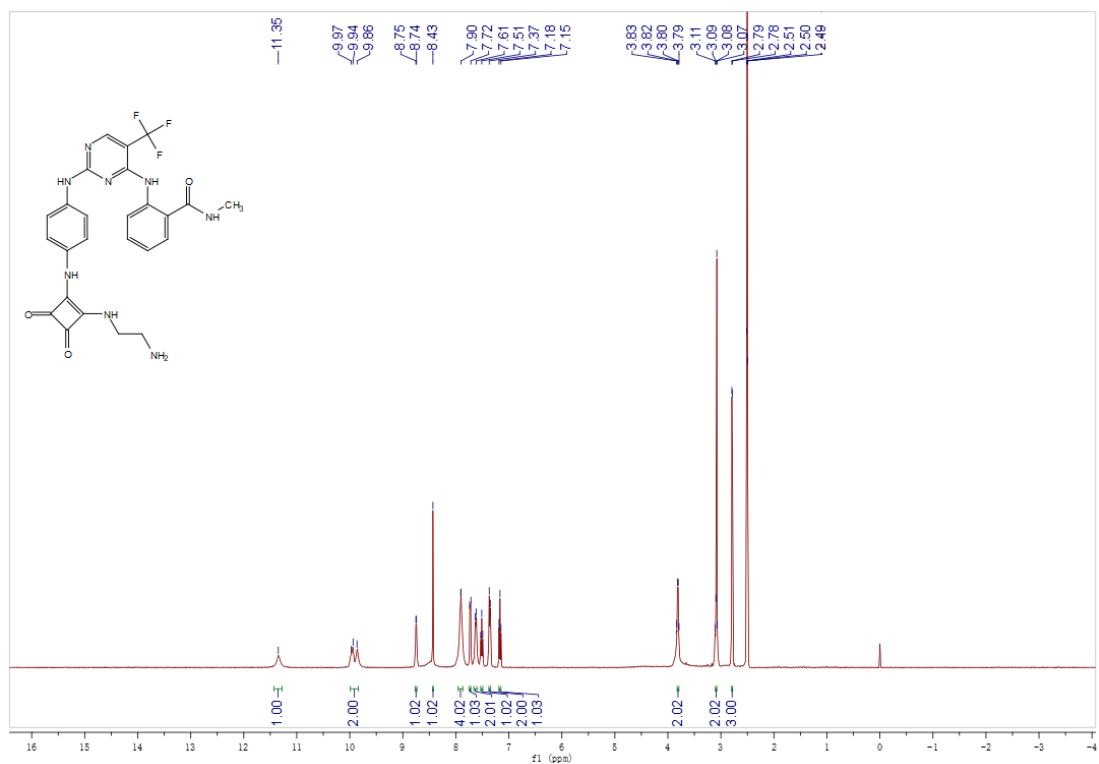
**Fig. S10.**  $^1H$  NMR spectrum of compound 5



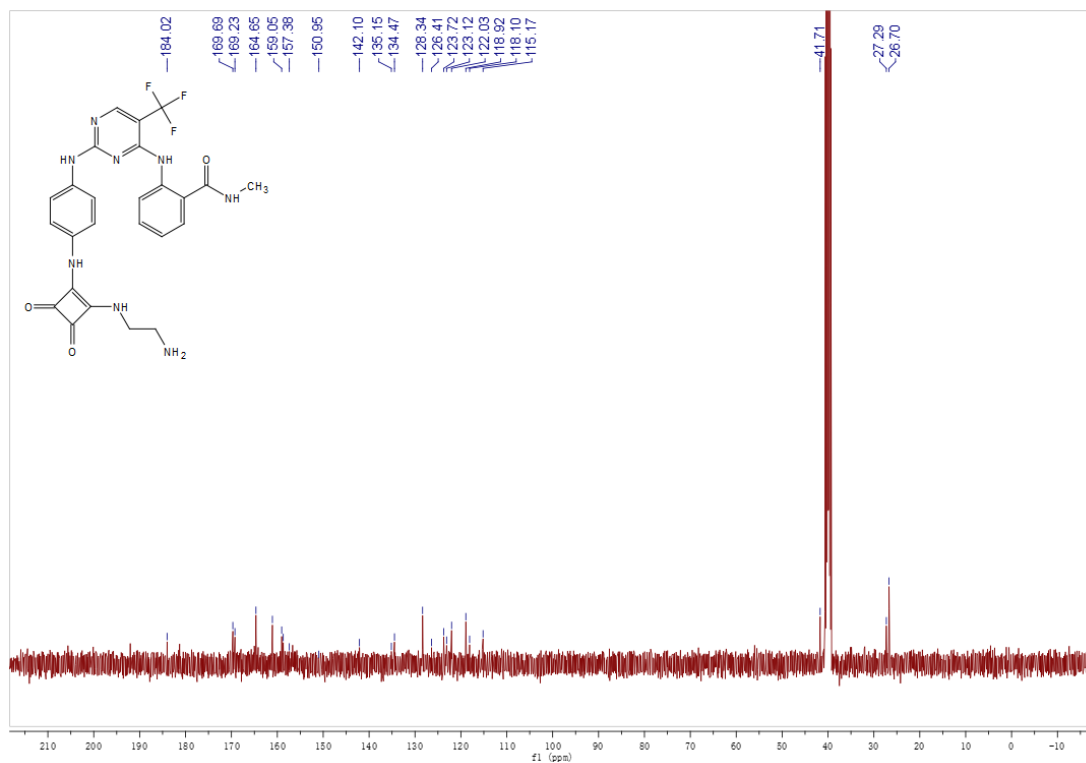
**Fig. S11.**  $^{13}\text{C}$  NMR spectrum of compound **5**



**Fig. S12.** HRMS spectrum of compound **5**



**Fig. S13.** <sup>1</sup>H NMR spectrum of compound 6

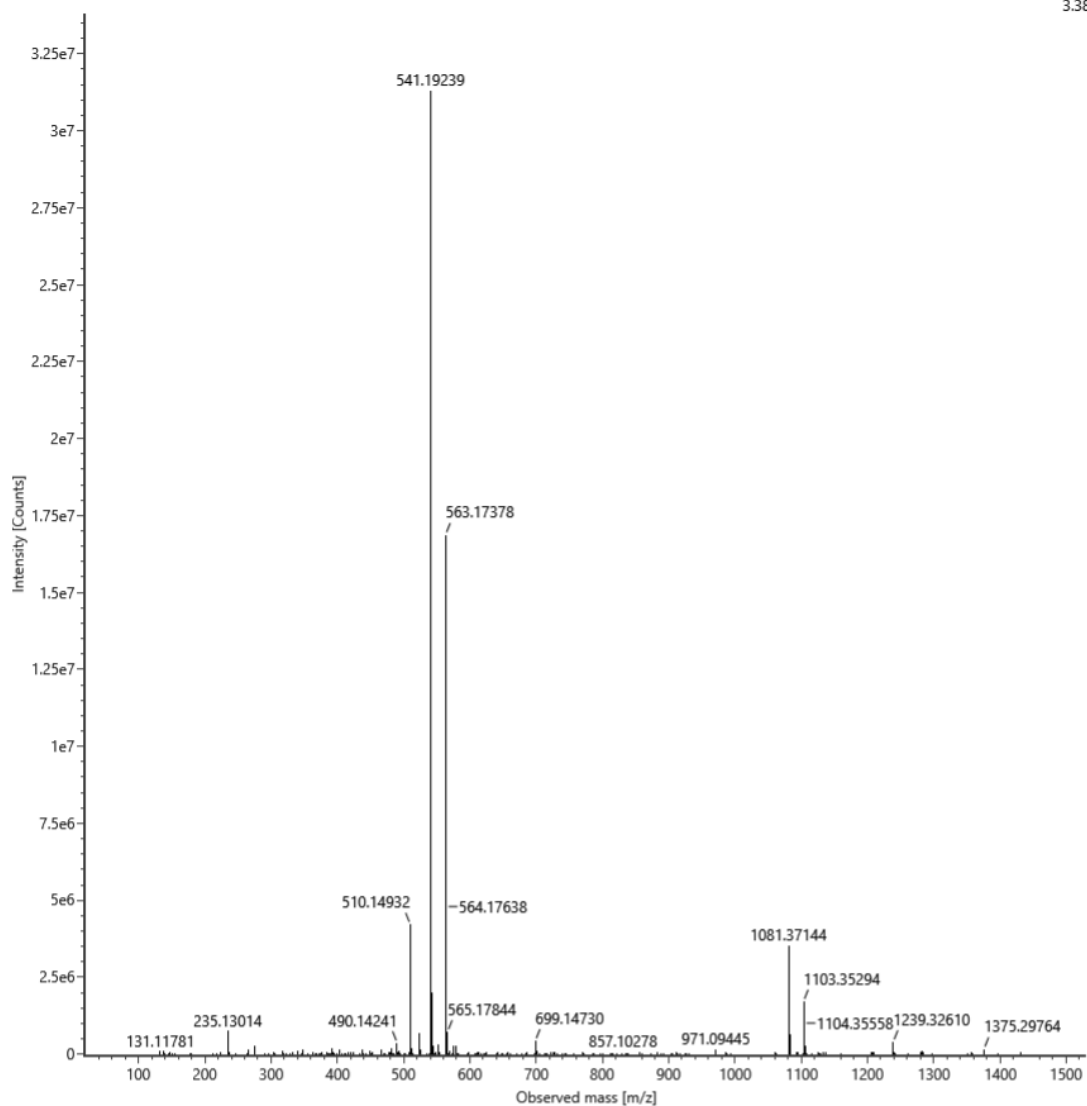


**Fig. S14.** <sup>13</sup>C NMR spectrum of compound 6

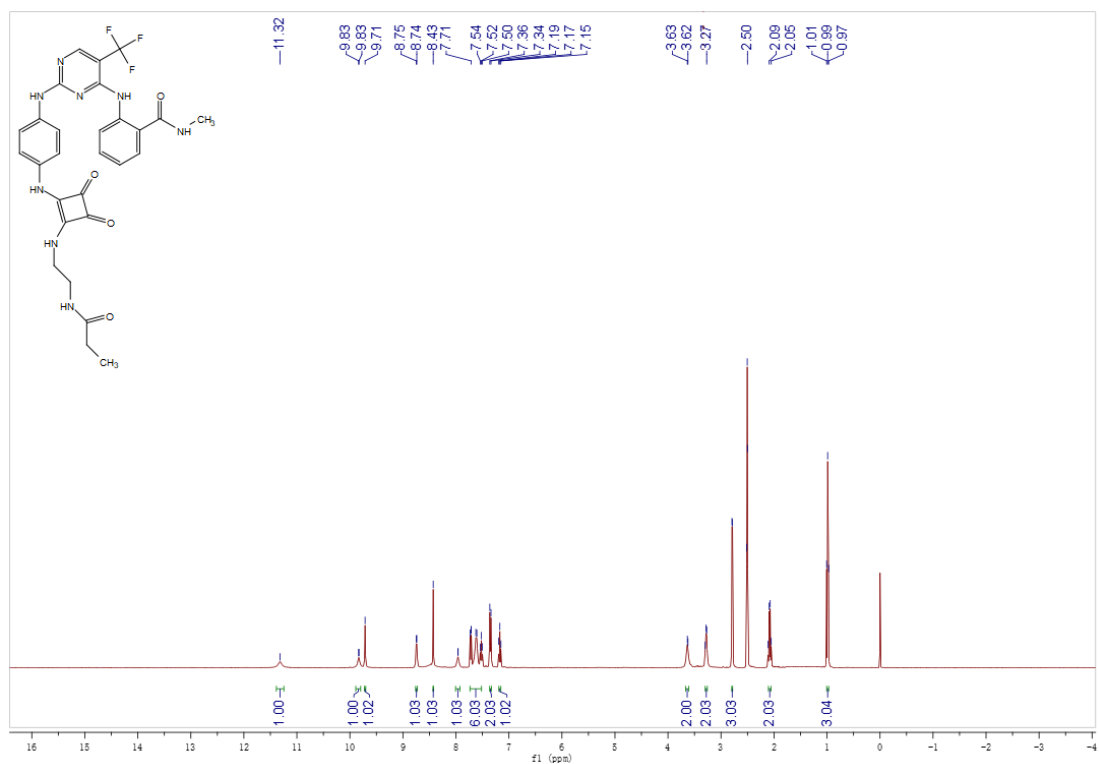
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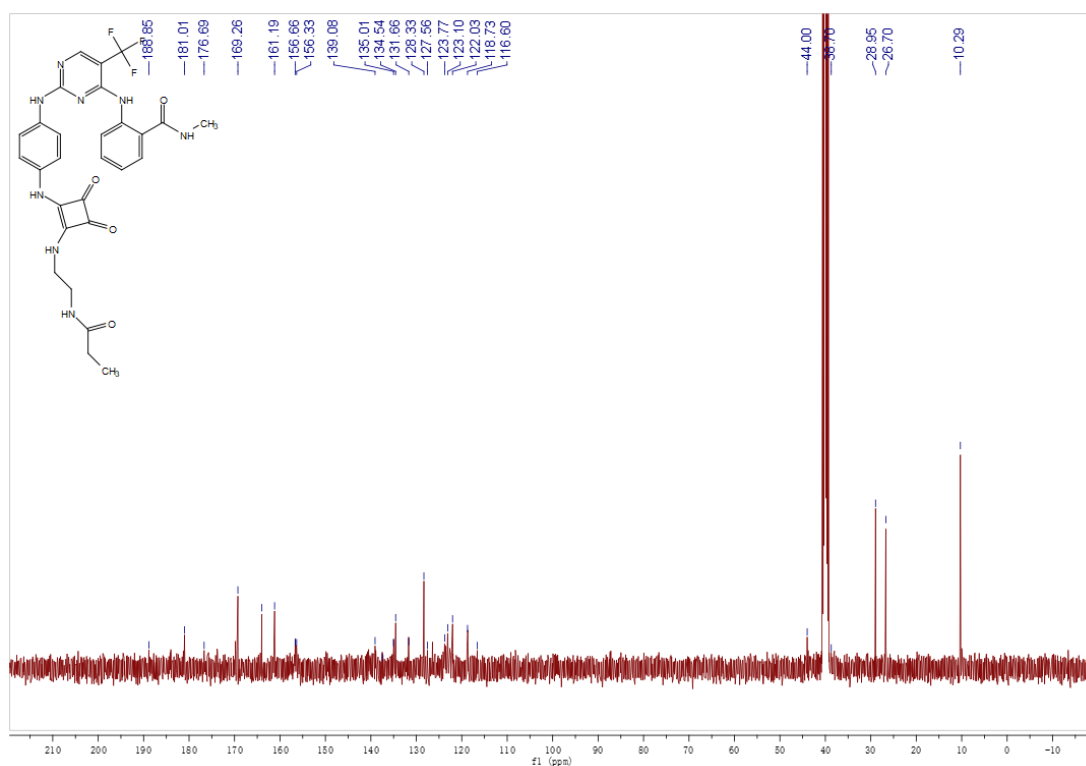
3.38e7



**Fig. S15.** HRMS spectrum of compound **6**



**Fig. S16.** <sup>1</sup>H NMR spectrum of compound **7a**



**Fig. S17.** <sup>13</sup>C NMR spectrum of compound **7a**

30 #35 RT: 0.34 AV: 1 NL: 1.69E7  
T: FTMS + p ESI Full ms [150.0000-2200.0000]

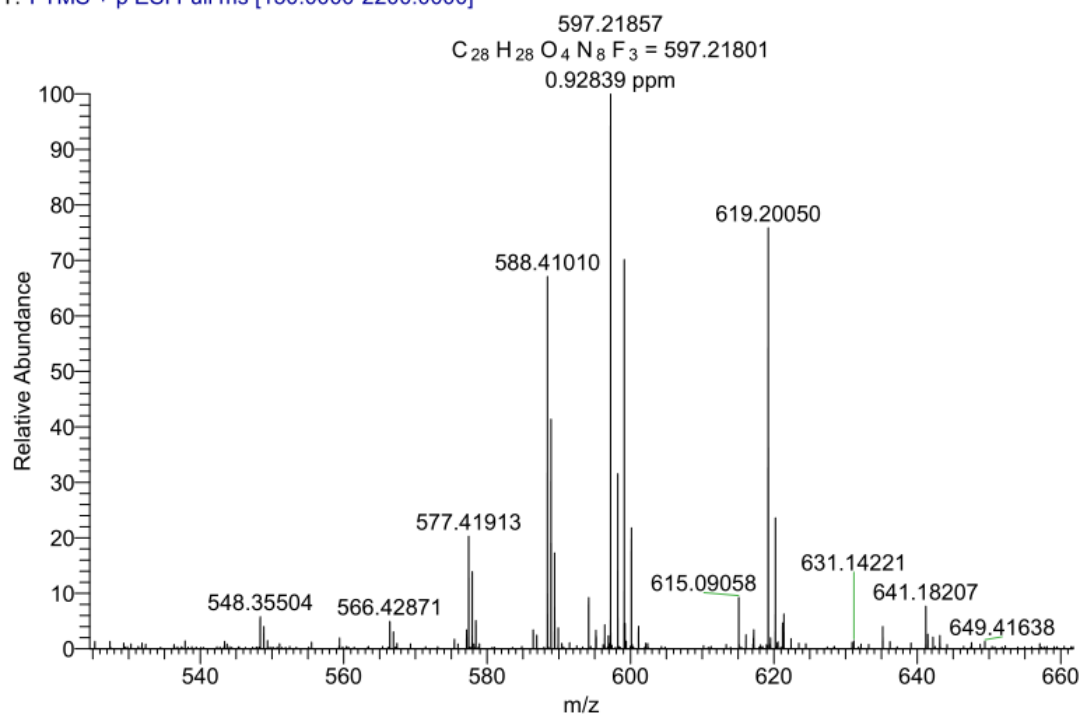


Fig. S18. HRMS spectrum of compound 7a

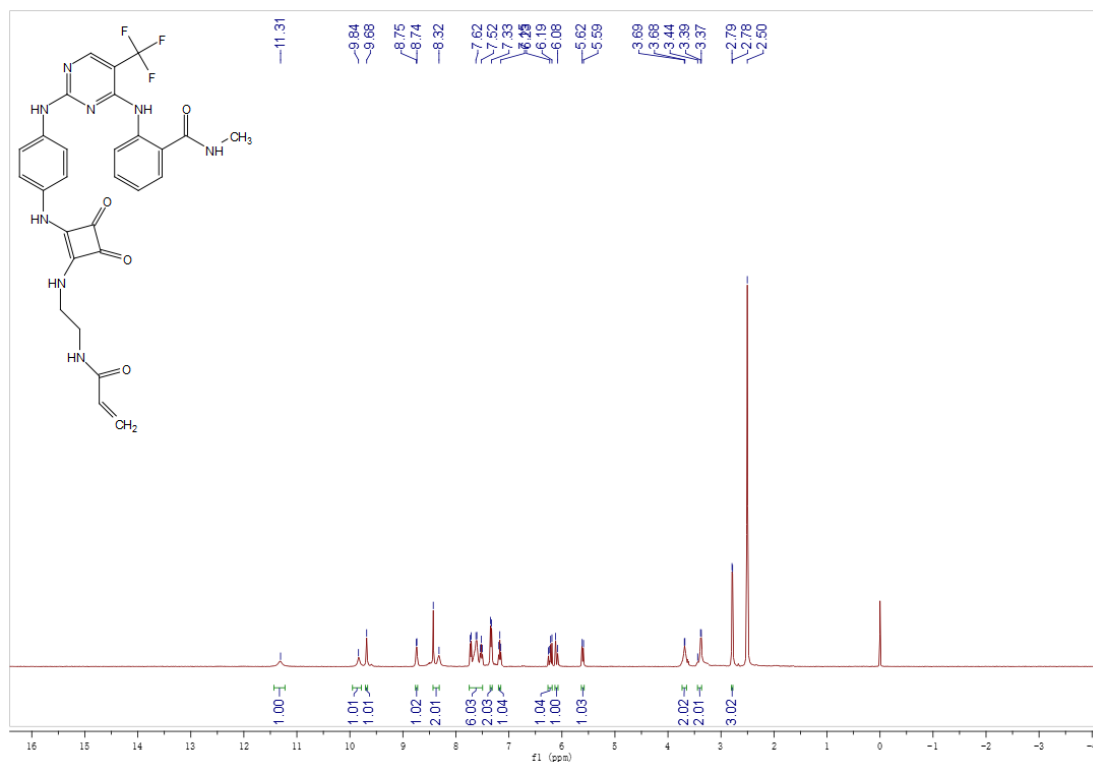
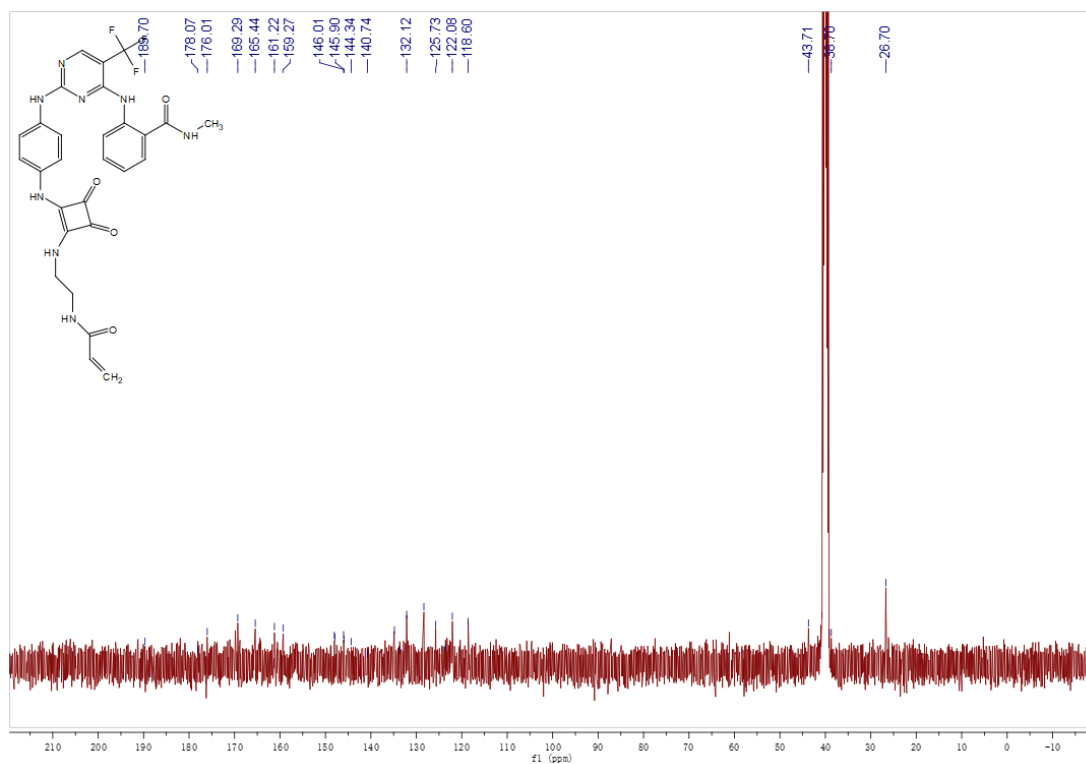
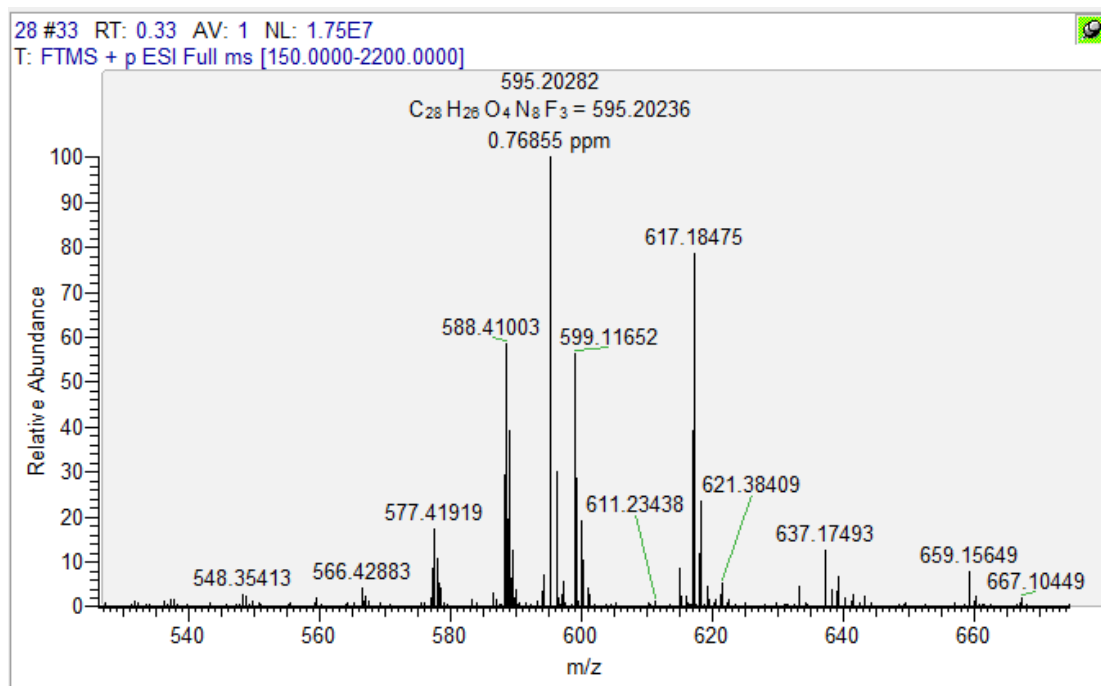


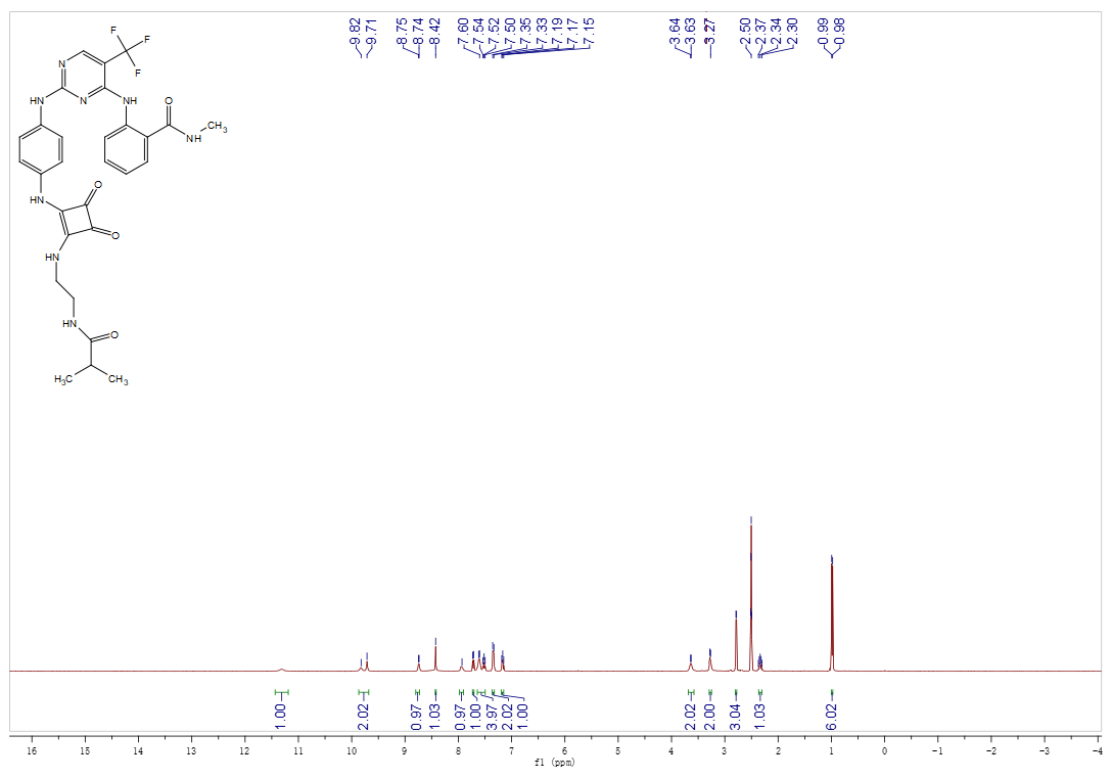
Fig. S19. <sup>1</sup>H NMR spectrum of compound 7b



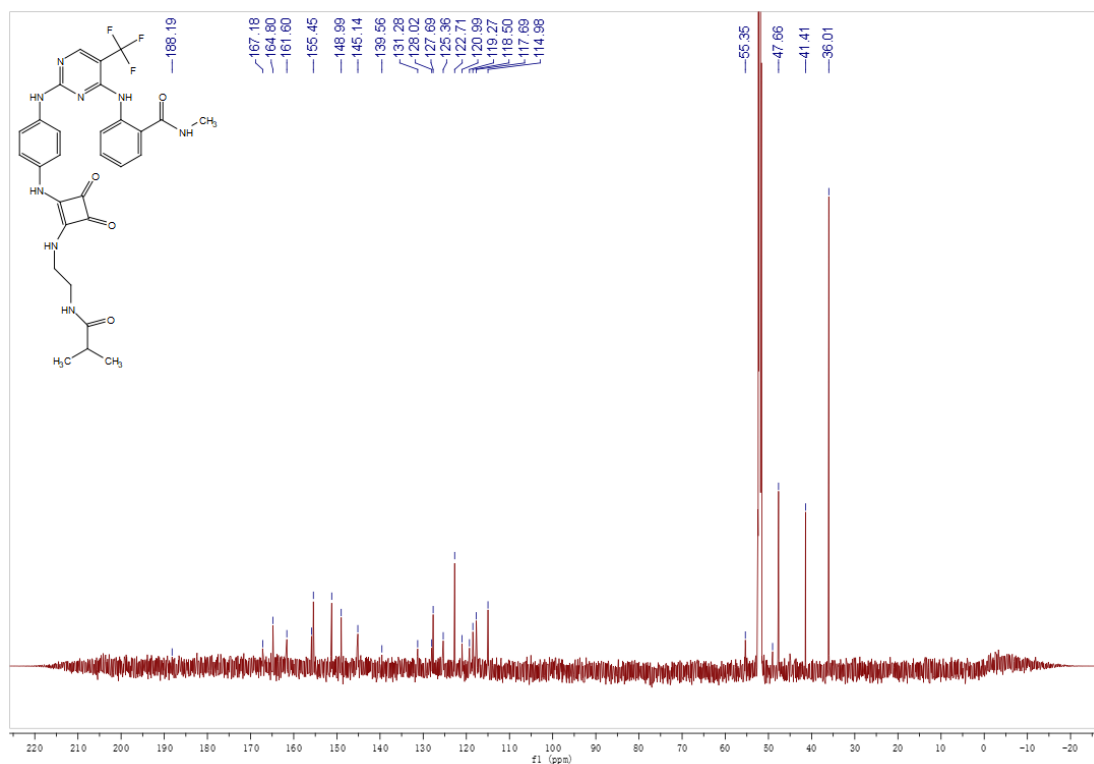
**Fig. S20.**  $^{13}\text{C}$  NMR spectrum of compound **7b**



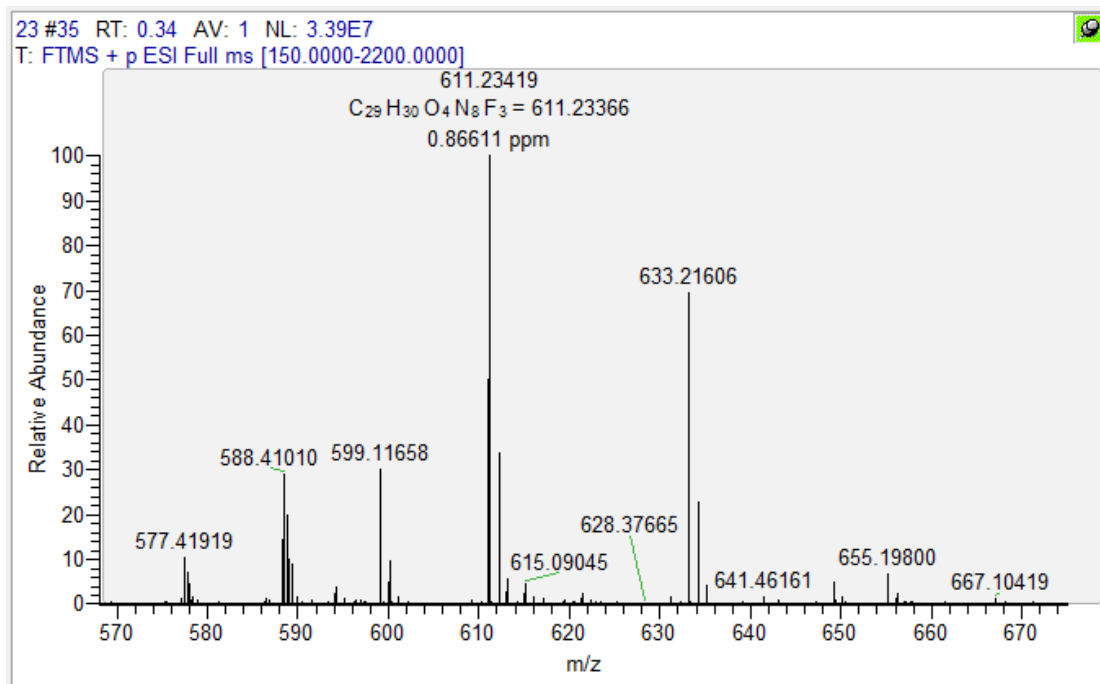
**Fig. S21.** HRMS spectrum of compound **7b**



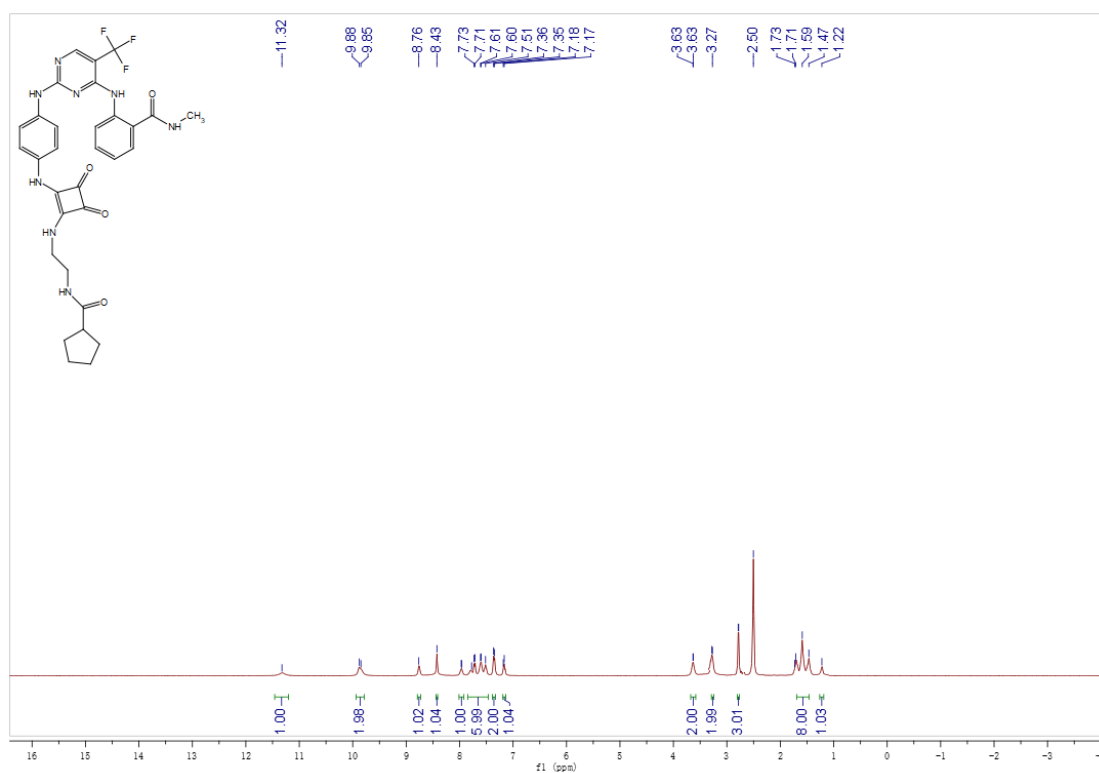
**Fig. S22.** <sup>1</sup>H NMR spectrum of compound **7c**



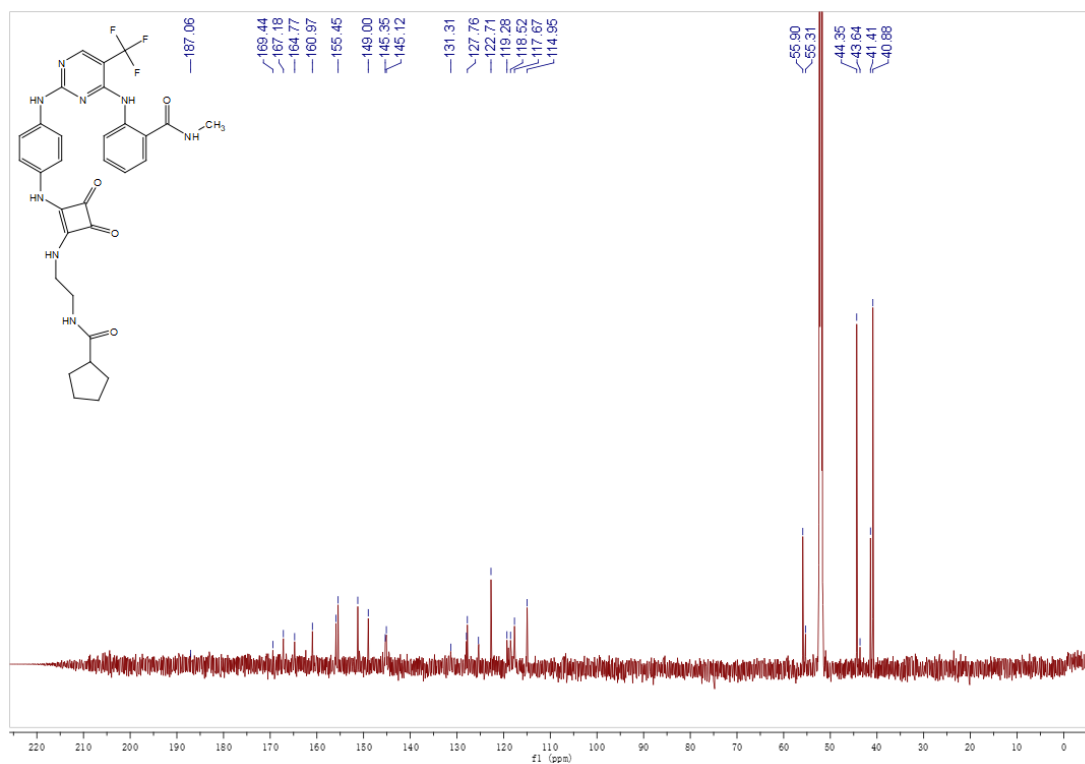
**Fig. S23.** <sup>13</sup>C NMR spectrum of compound **7c**



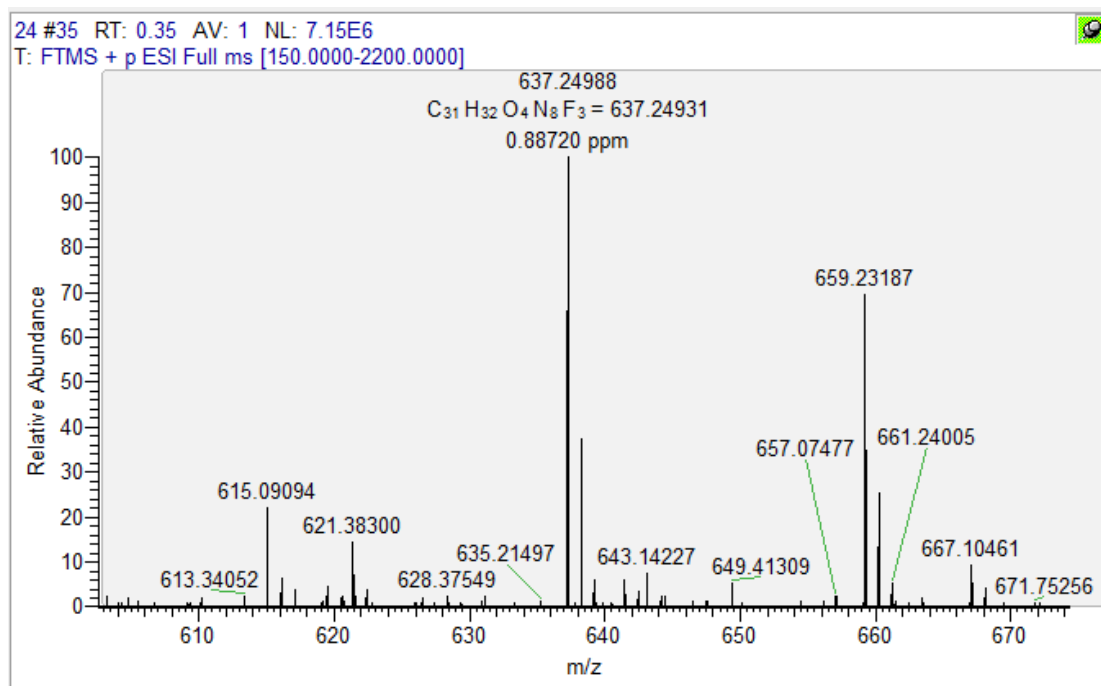
**Fig. S24.** HRMS spectrum of compound **7c**



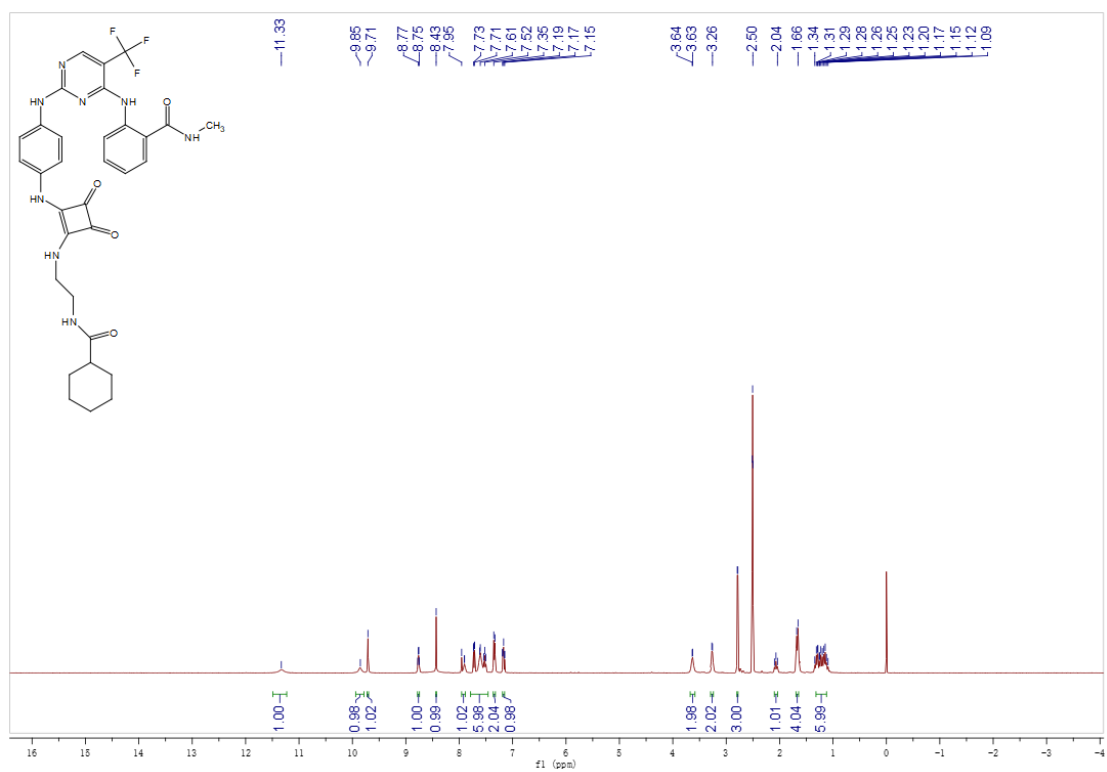
**Fig. S25.** <sup>1</sup>H NMR spectrum of compound **7d**



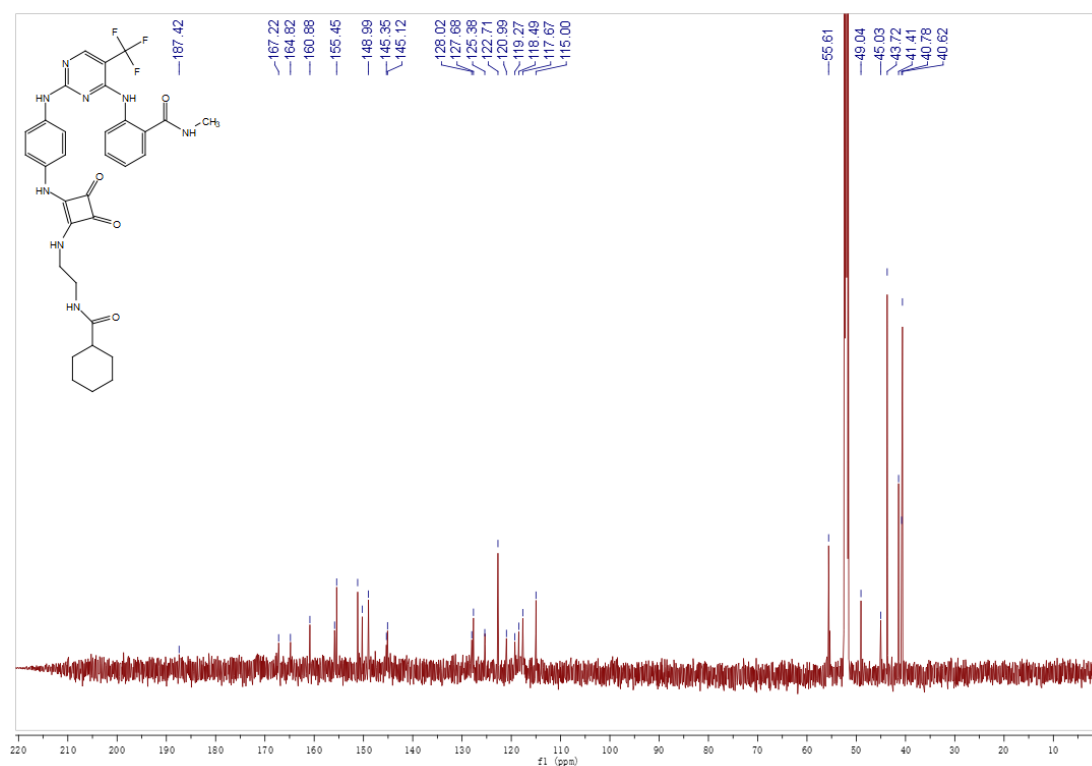
**Fig. S26.** <sup>13</sup>C NMR spectrum of compound **7d**



**Fig. S27.** HRMS spectrum of compound **7d**



**Fig. S28.** <sup>1</sup>H NMR spectrum of compound **7e**



**Fig. S29.** <sup>13</sup>C NMR spectrum of compound **7e**

25 #29 RT: 0.29 AV: 1 NL: 3.64E6  
T: FTMS + p ESI Full ms [150.0000-2200.0000]

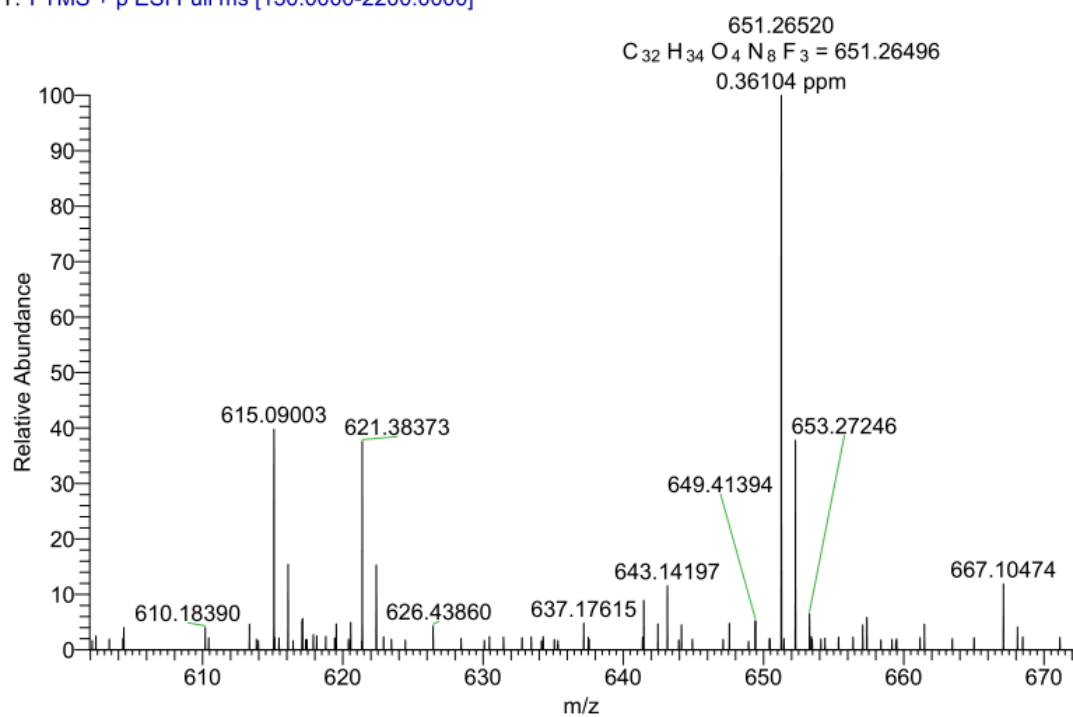


Fig. S30. HRMS spectrum of compound 7e

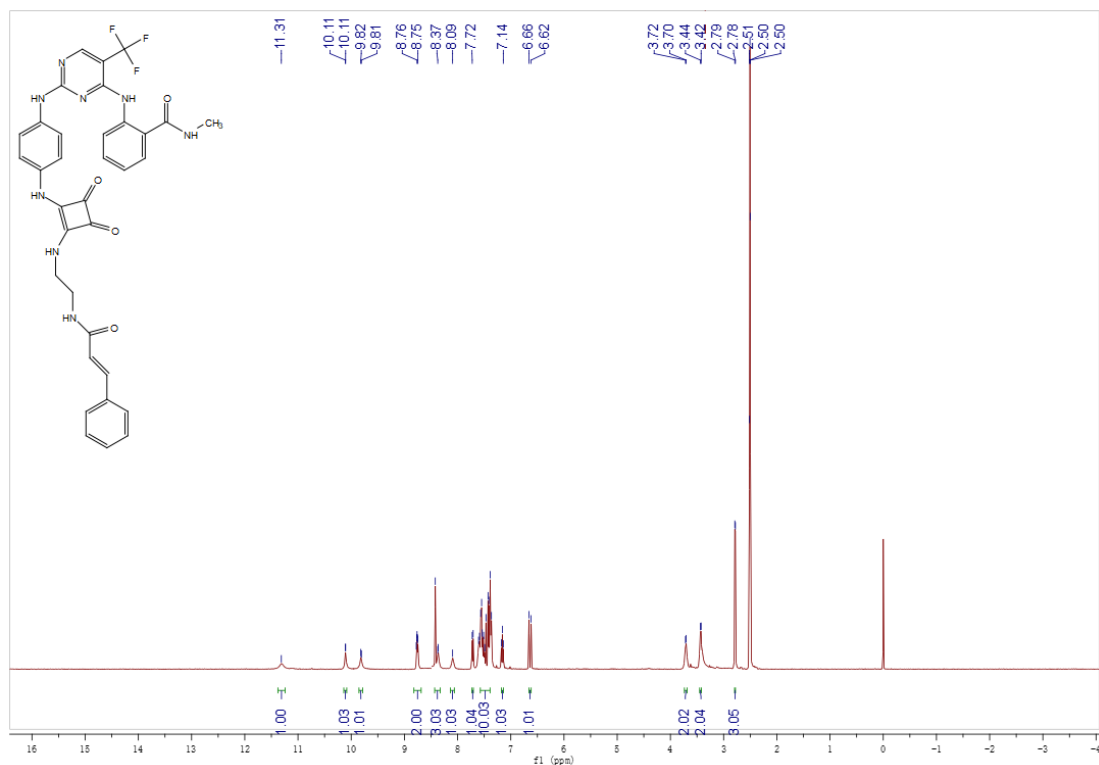


Fig. S31. <sup>1</sup>H NMR spectrum of compound 7f

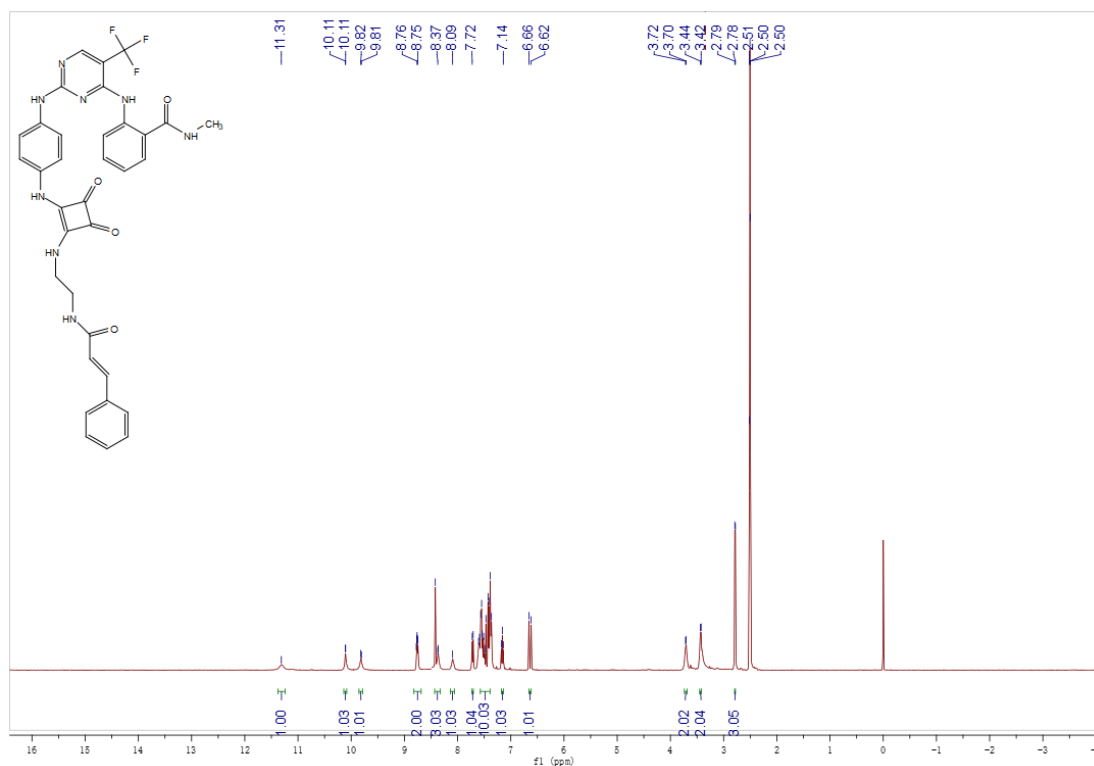


Fig. S32. <sup>13</sup>C NMR spectrum of compound 7f

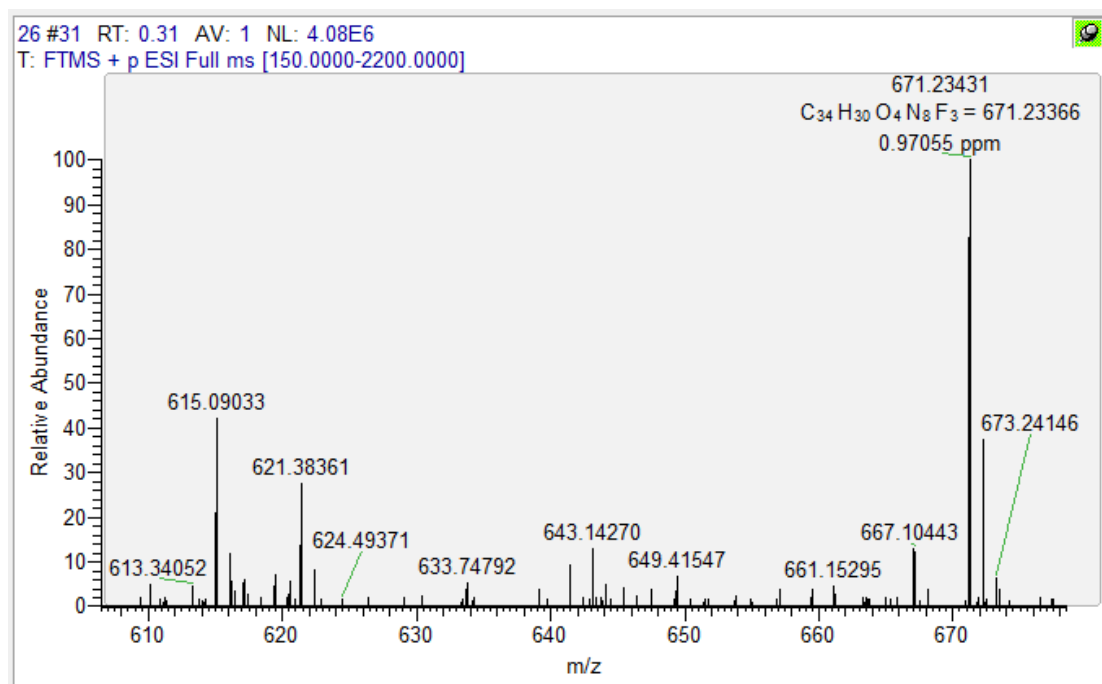
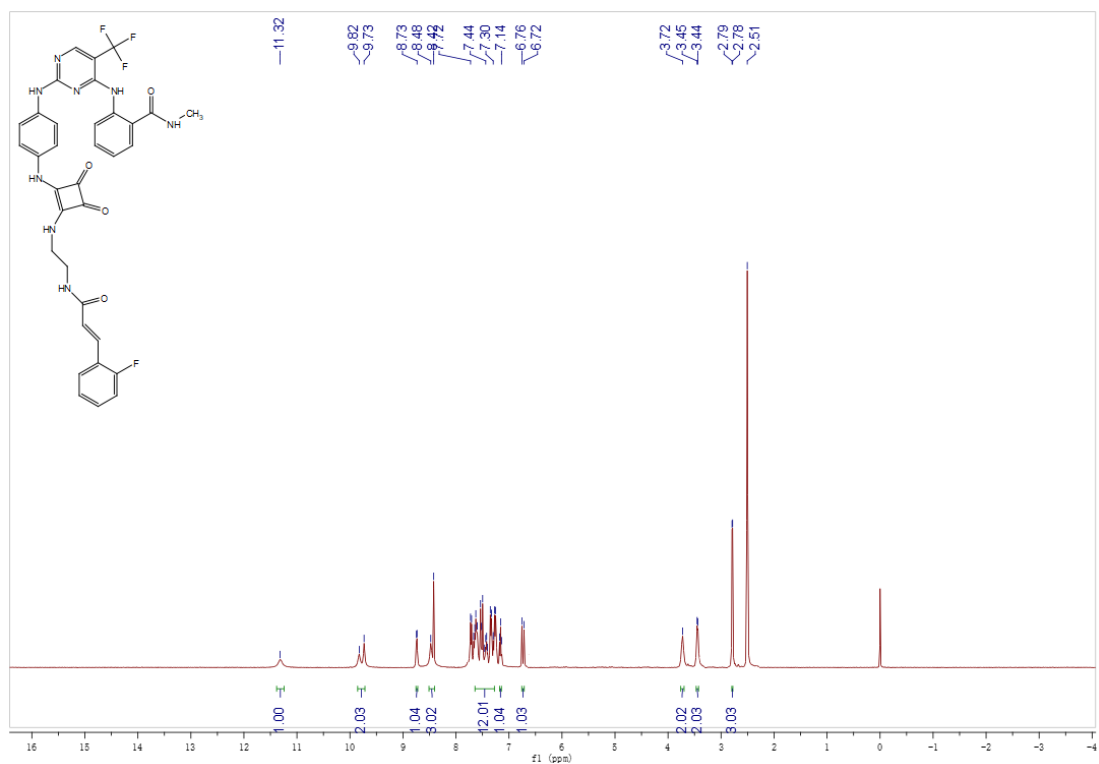
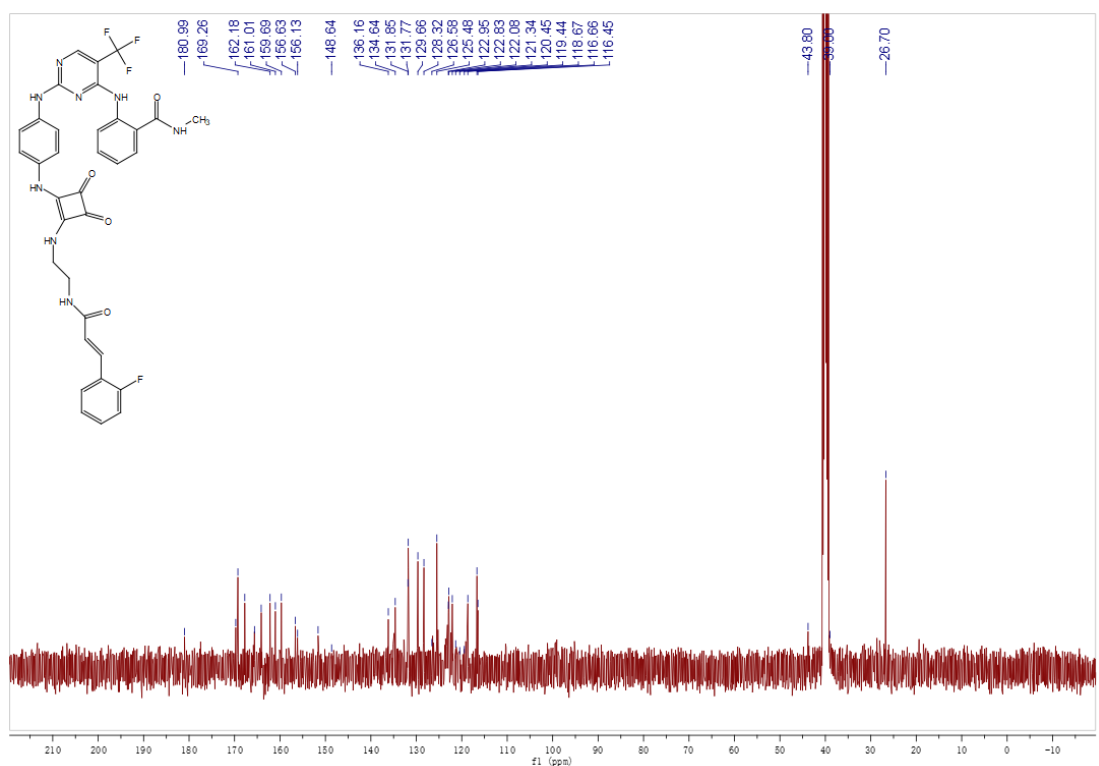


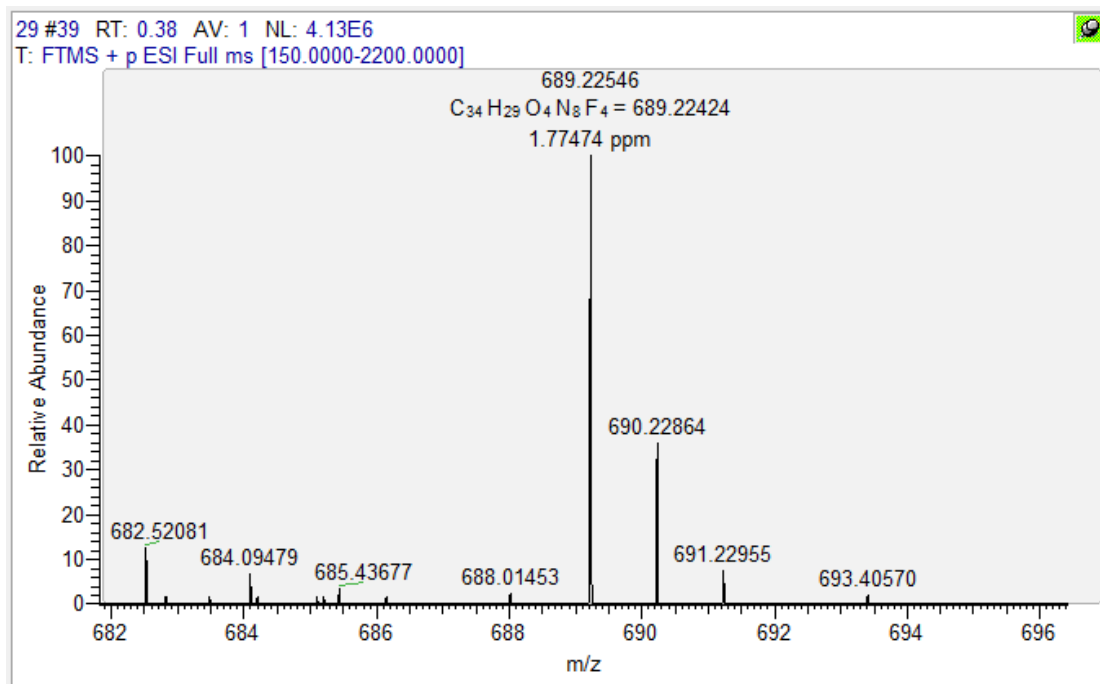
Fig. S33. HRMS spectrum of compound 7f



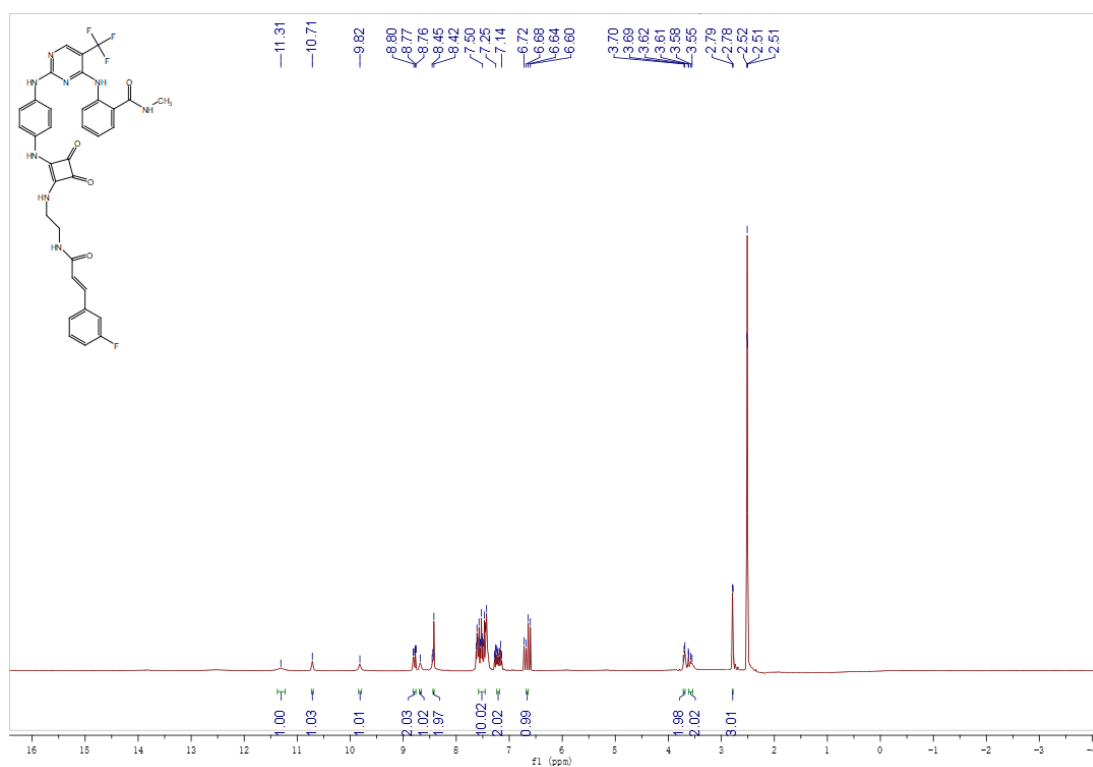
**Fig. S34.** <sup>1</sup>H NMR spectrum of compound **7g**



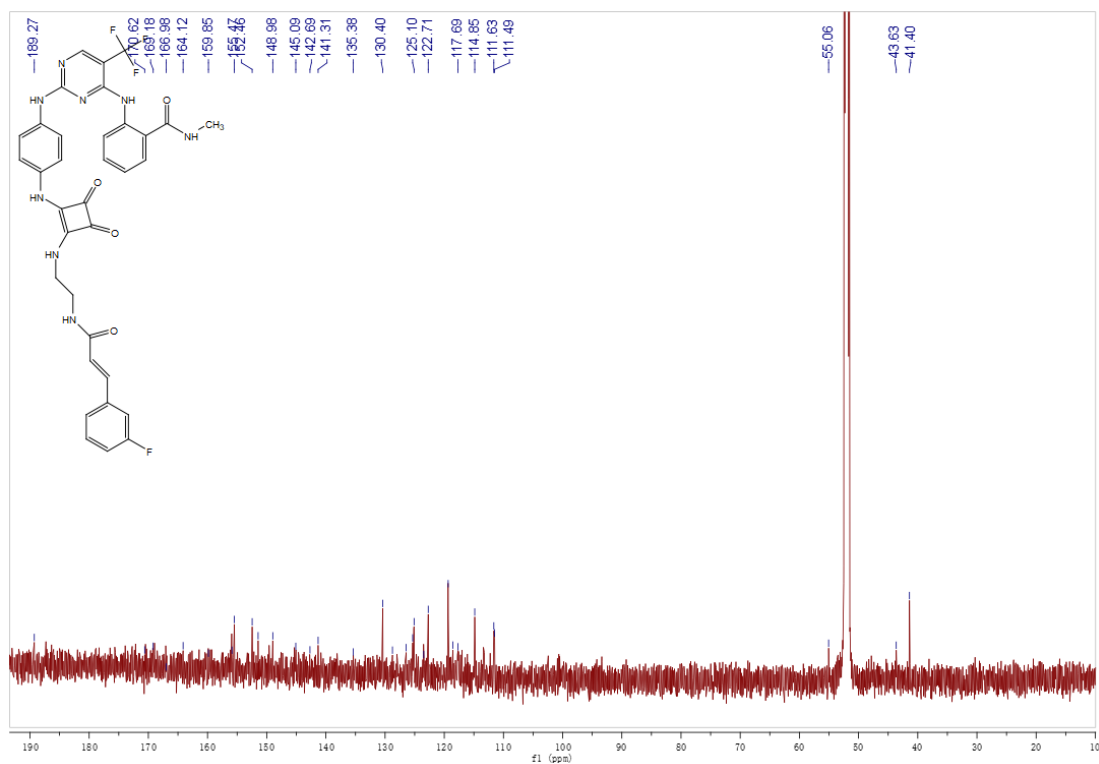
**Fig. S35.** <sup>13</sup>C NMR spectrum of compound **7g**



**Fig. S36.** HRMS spectrum of compound **7g**



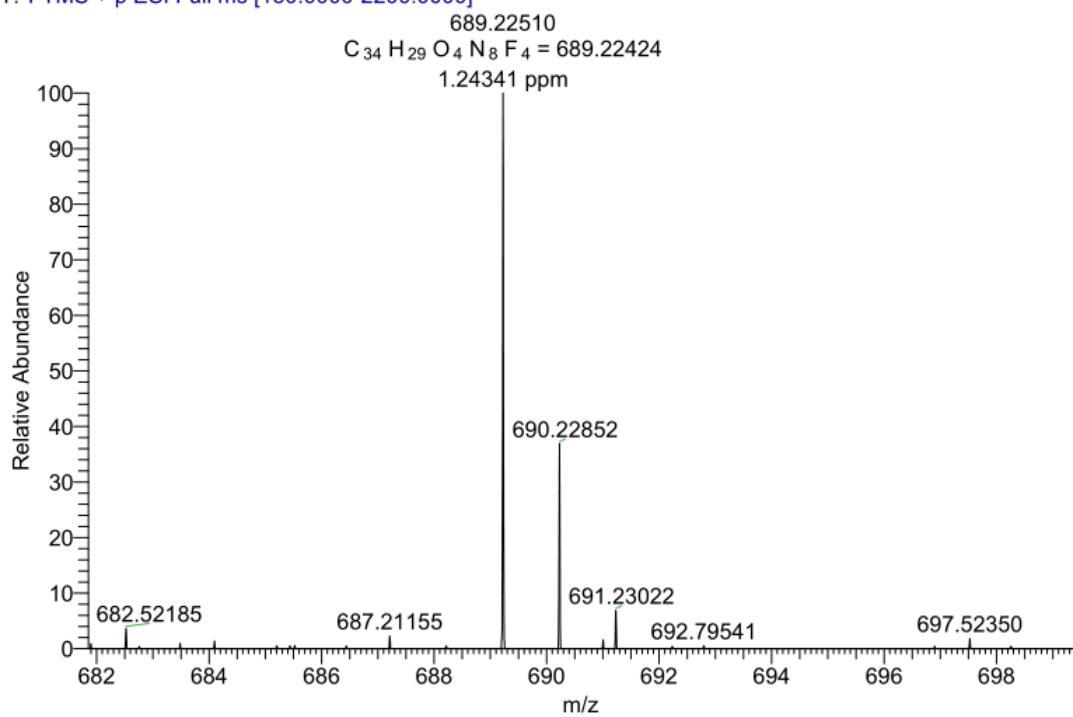
**Fig. S37.**  $^1H$  NMR spectrum of compound **7h**



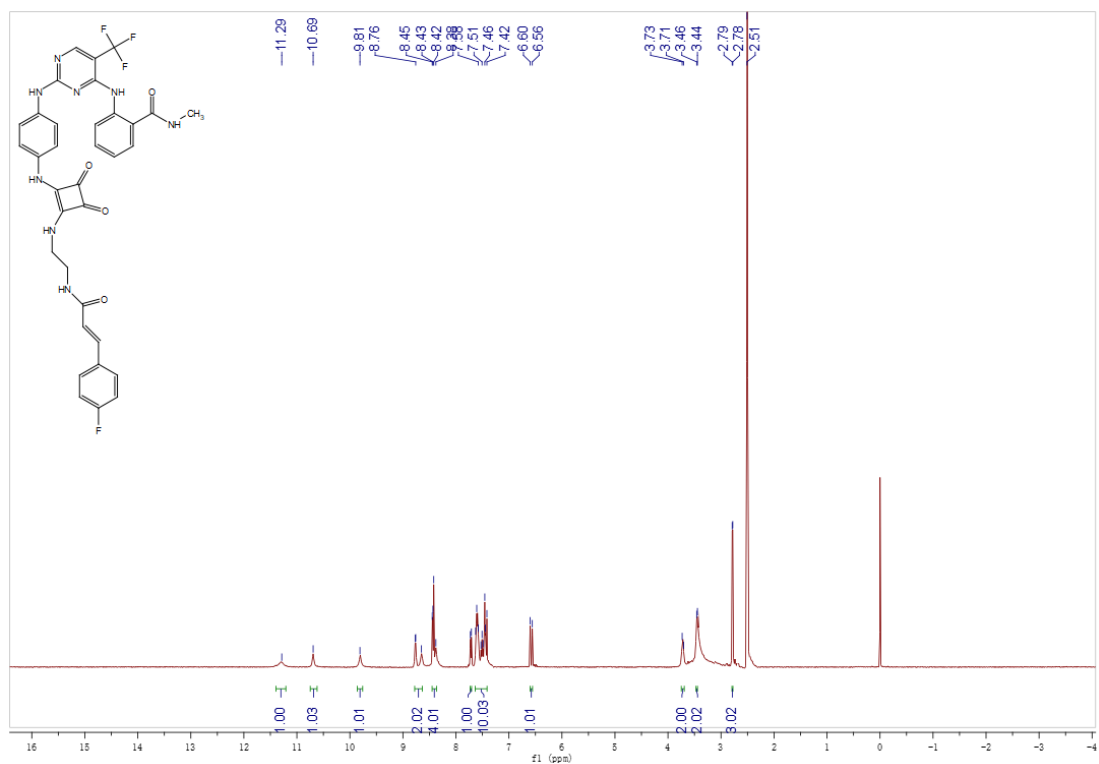
**Fig. S38.** <sup>13</sup>C NMR spectrum of compound **7h**

22 #31 RT: 0.31 AV: 1 NL: 1.75E7

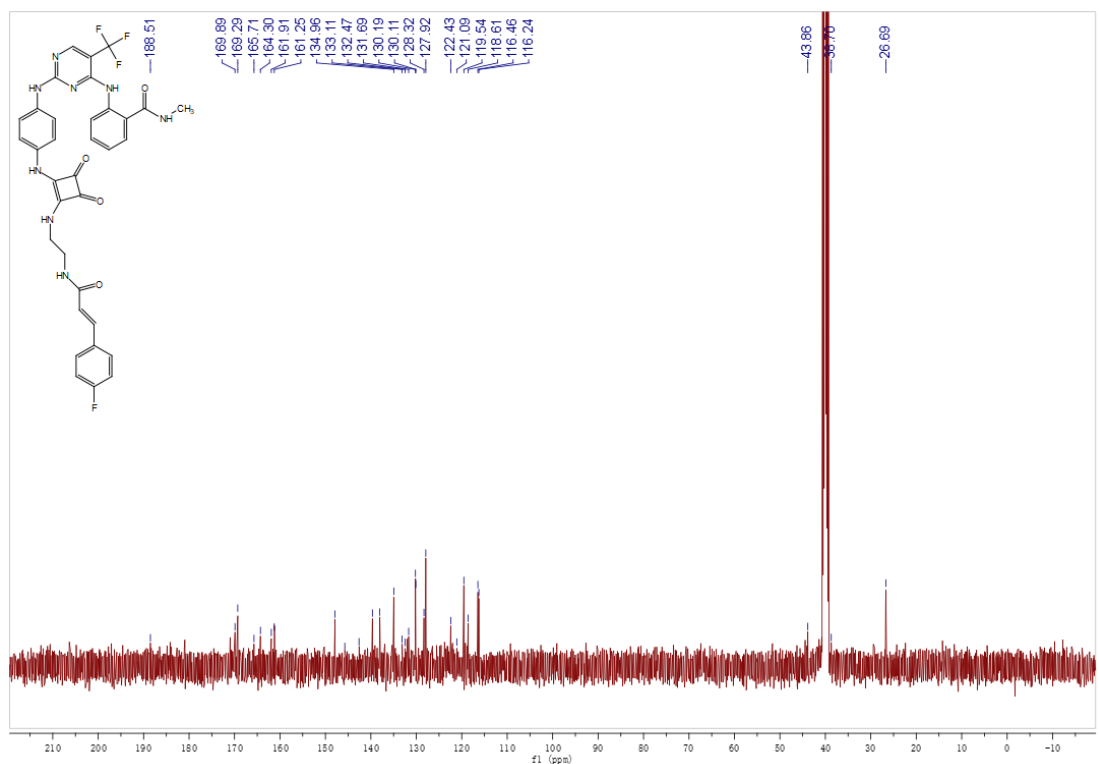
T: FTMS + p ESI Full ms [150.0000-2200.0000]



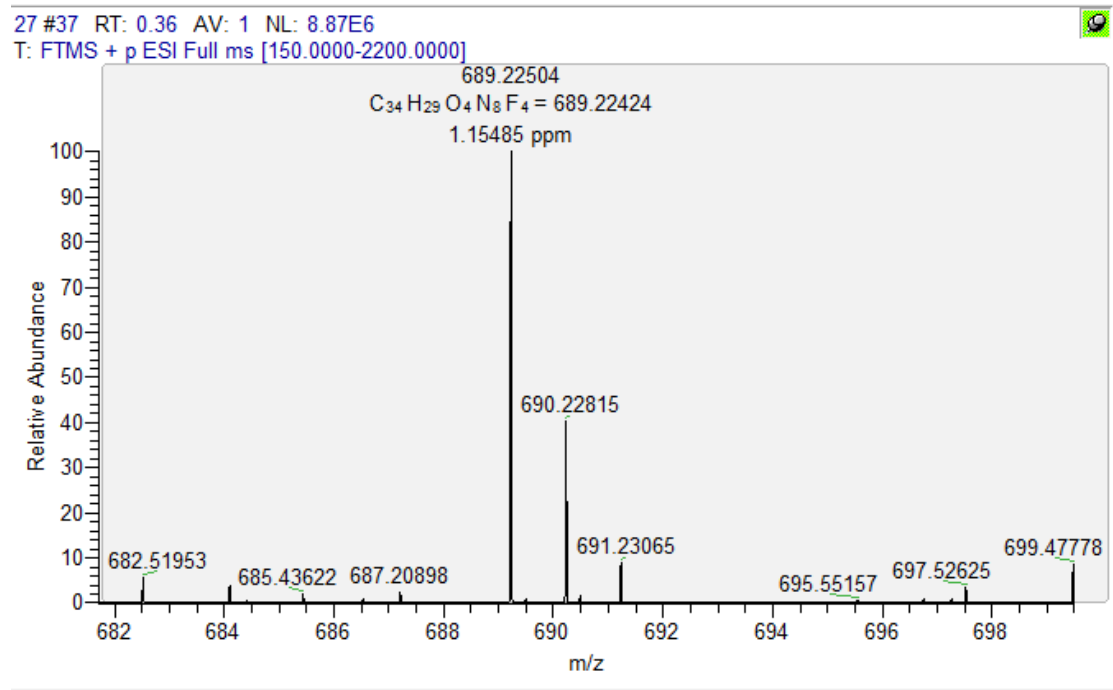
**Fig. S39.** HRMS spectrum of compound **7h**



**Fig. S40.** <sup>1</sup>H NMR spectrum of compound **7i**



**Fig. S41.** <sup>13</sup>C NMR spectrum of compound **7i**



**Fig. S42.** HRMS spectrum of compound **7i**