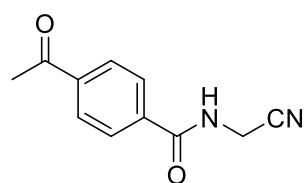
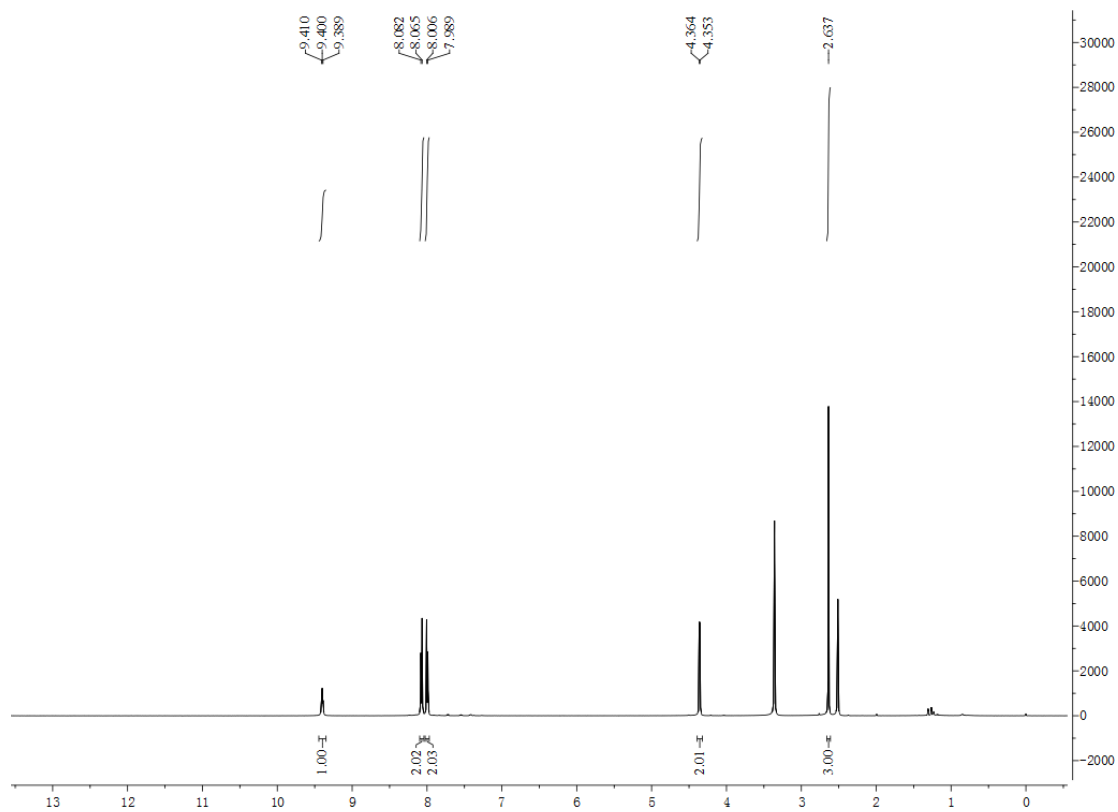


**NEW AND CONVERGENT SYNTHESIS OF MOMELLOTINIB  
DIHYDROCHLORIDE**

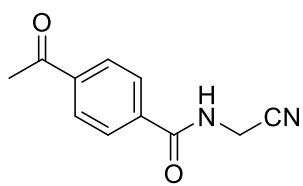
**Zhiwei Zhao, Mingjie Liu, Yaowei Liu, Yuan Wang, Chuntao Wu,  
Yongjun Mao, Han Wang,\* and Jingli Xu**



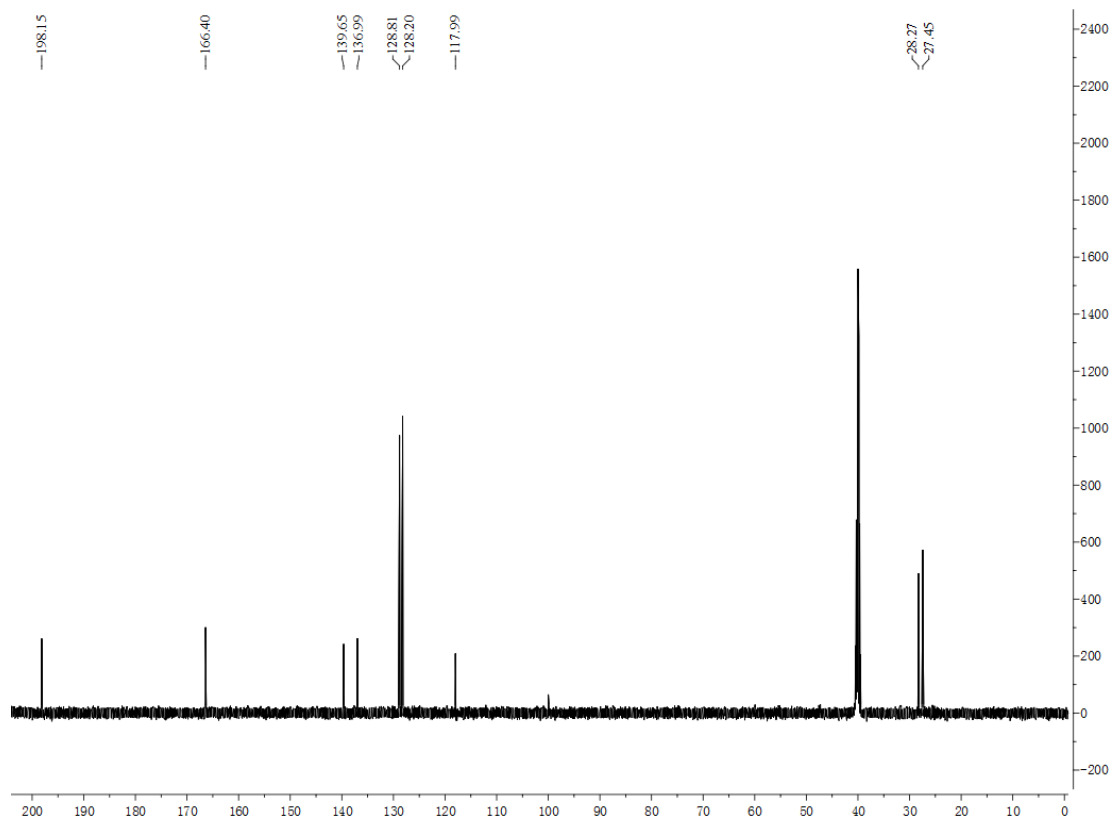
**17**



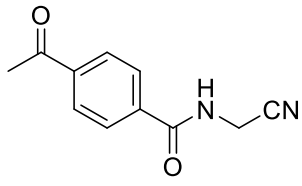
The  $^1\text{H}$  NMR of compound **17**



**17**



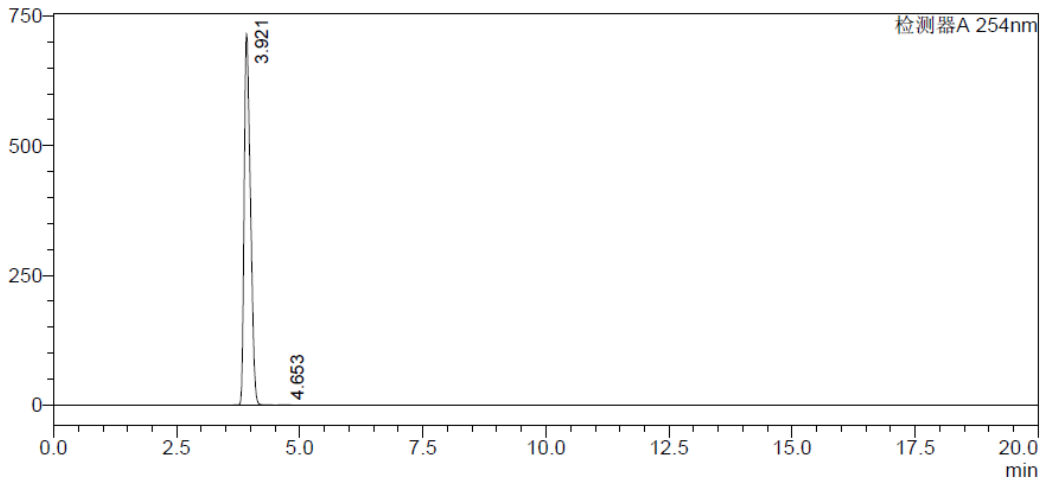
The  $^{13}\text{C}$  NMR of compound **17**



**17**

<Chromatogram>

mV

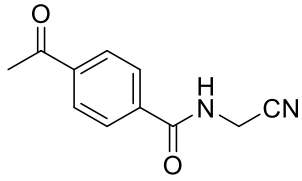


<Peak Table>

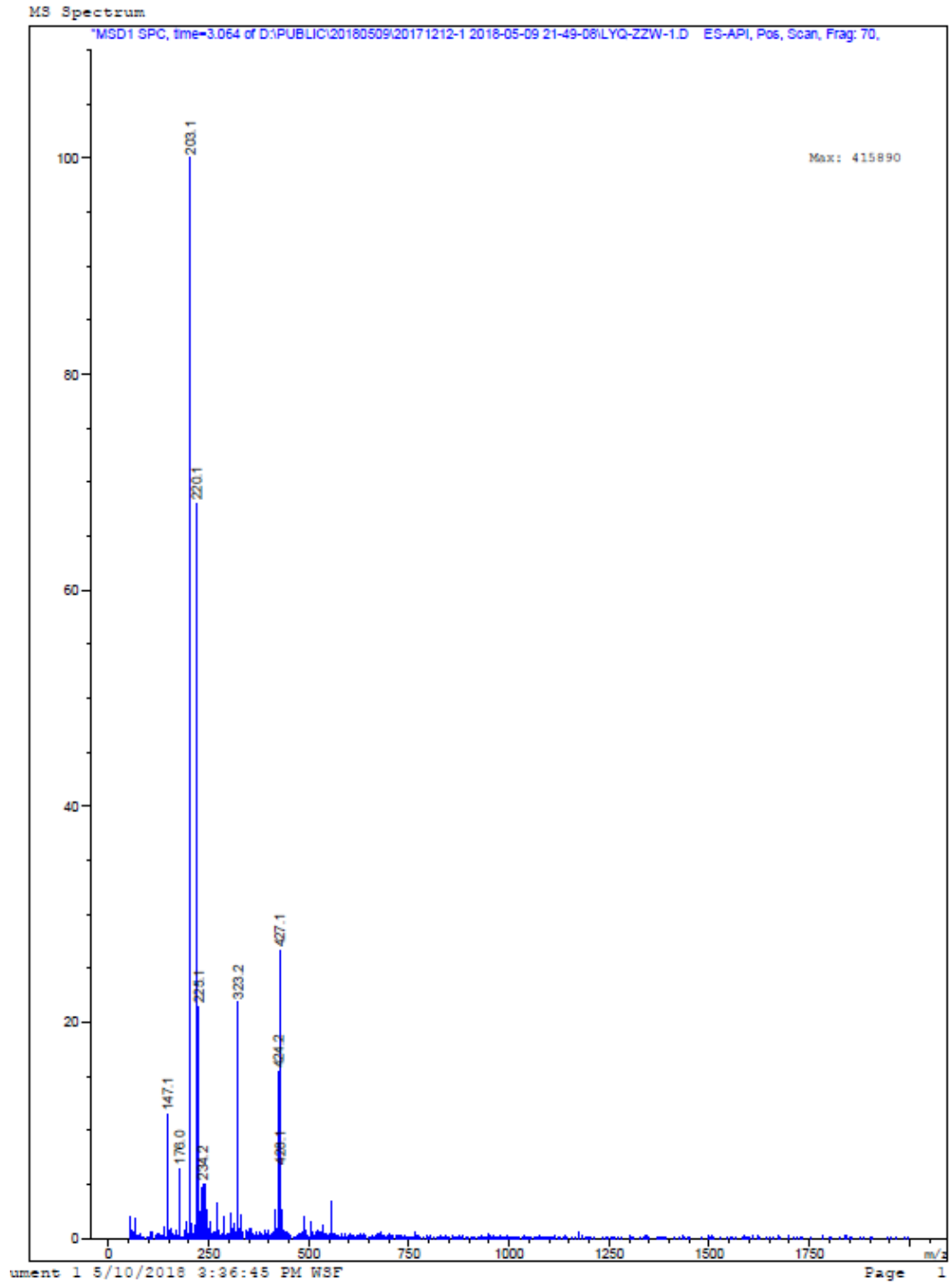
检测器A 254nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.921	6354339	715080	99.977		M	
2	4.653	1488	103	0.023		M	
总计		6355827	715183				

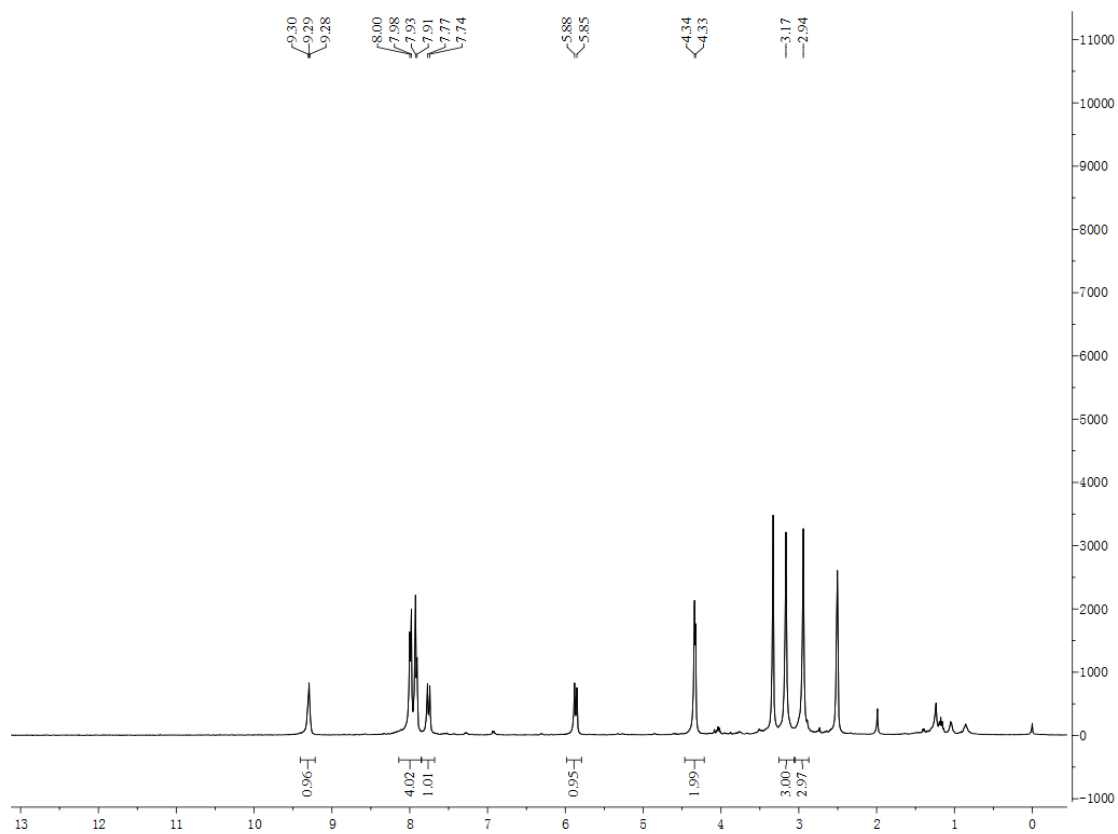
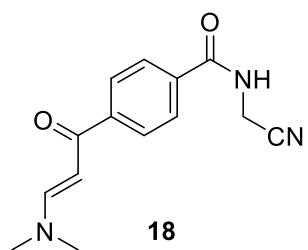
The HPLC of compound **17**



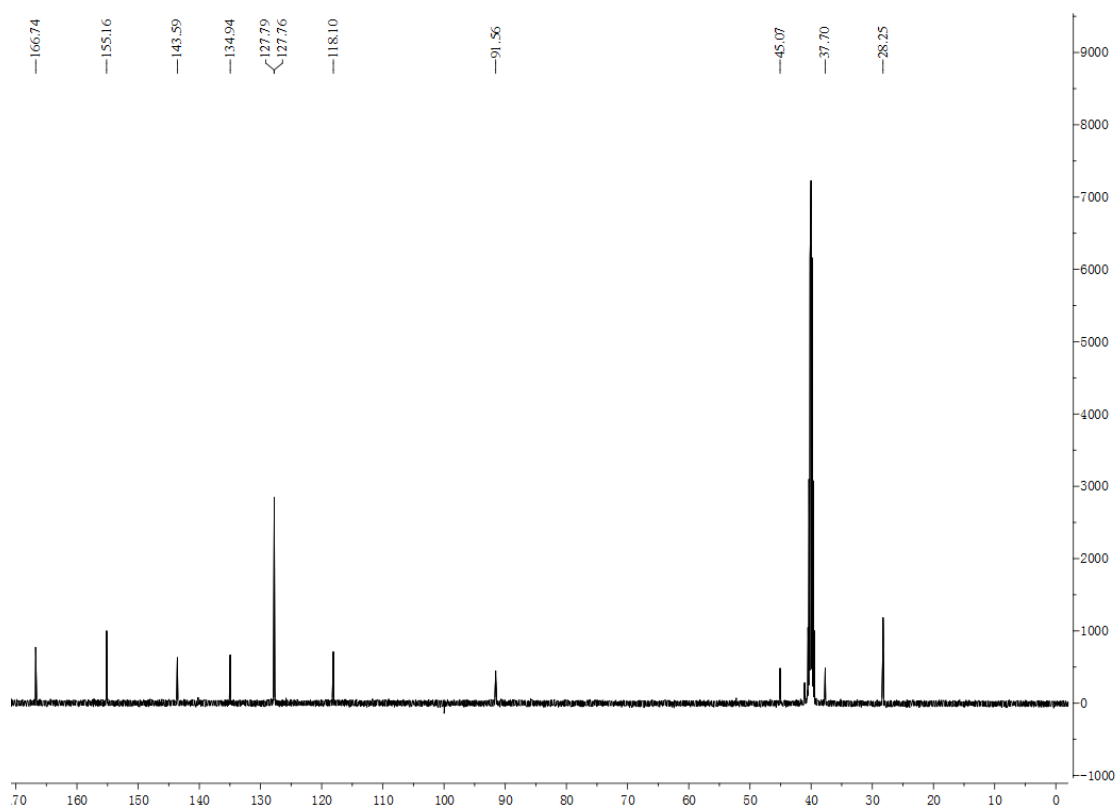
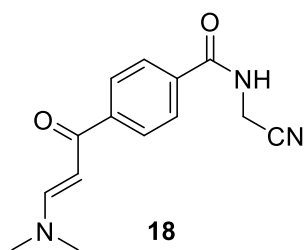
17



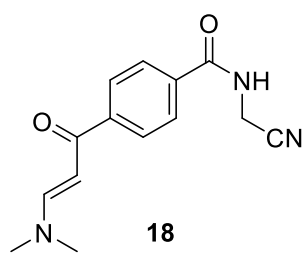
The LC-MS of compound **17**



The <sup>1</sup>H NMR of compound **18**

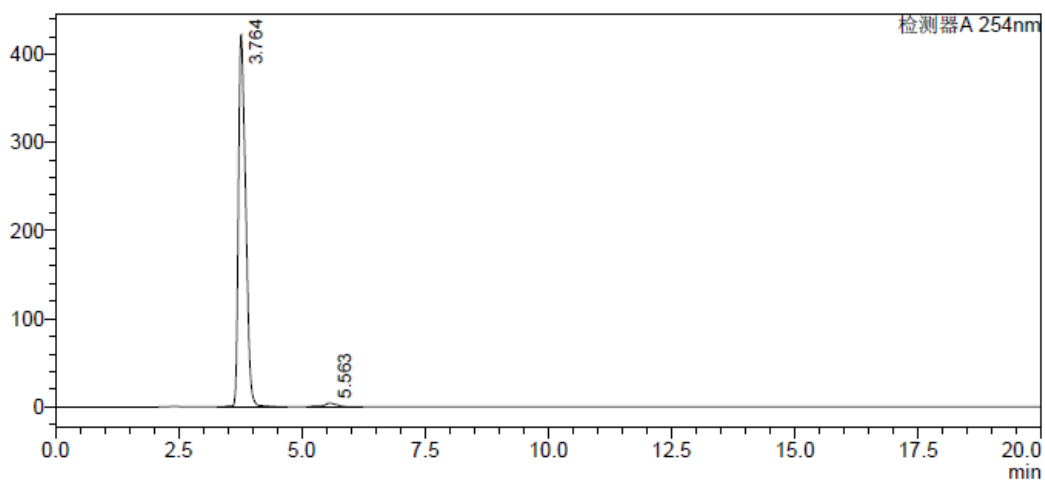


The  $^{13}\text{C}$  NMR of compound **18**



<Chromatogram>

mV

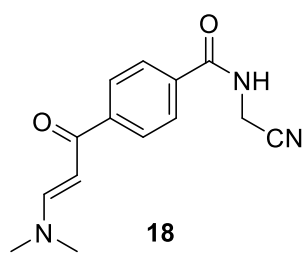


<Peak Table>

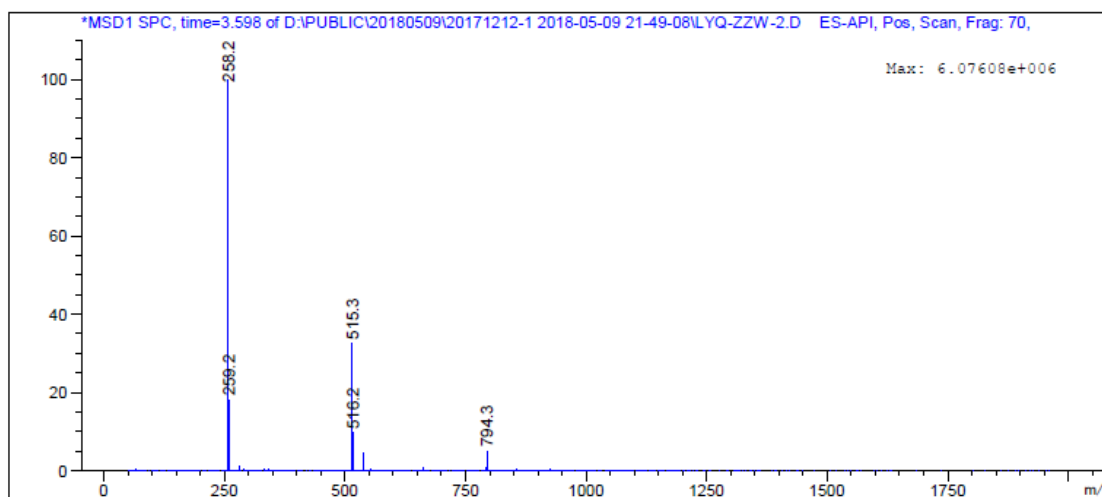
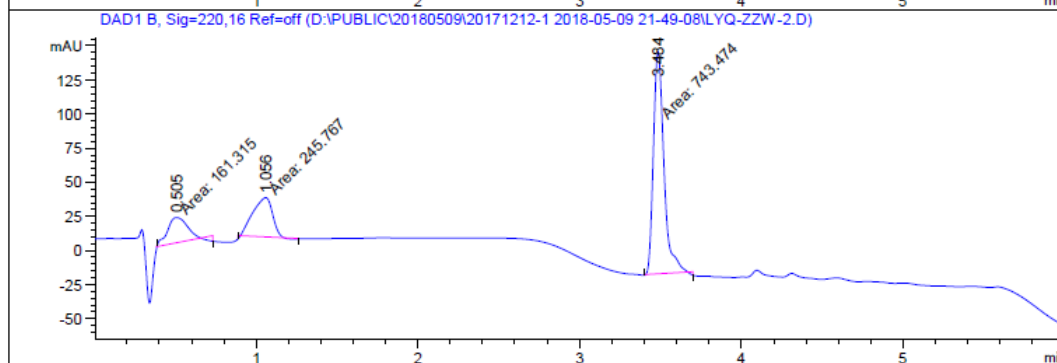
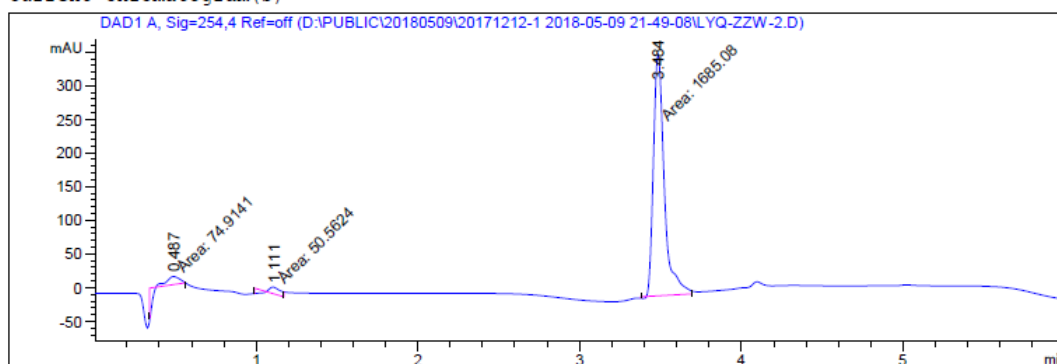
检测器A 254nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	3.764	4342633	421608	98.269		M	
2	5.563	76474	4081	1.731		M	
总计		4419107	425690				

The HPLC of compound **18**

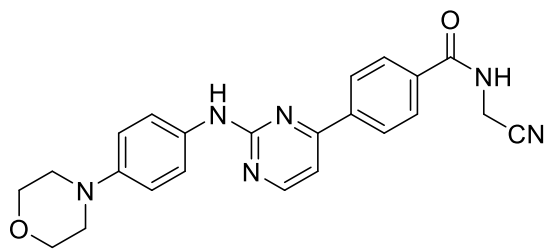


Current Chromatogram(s)

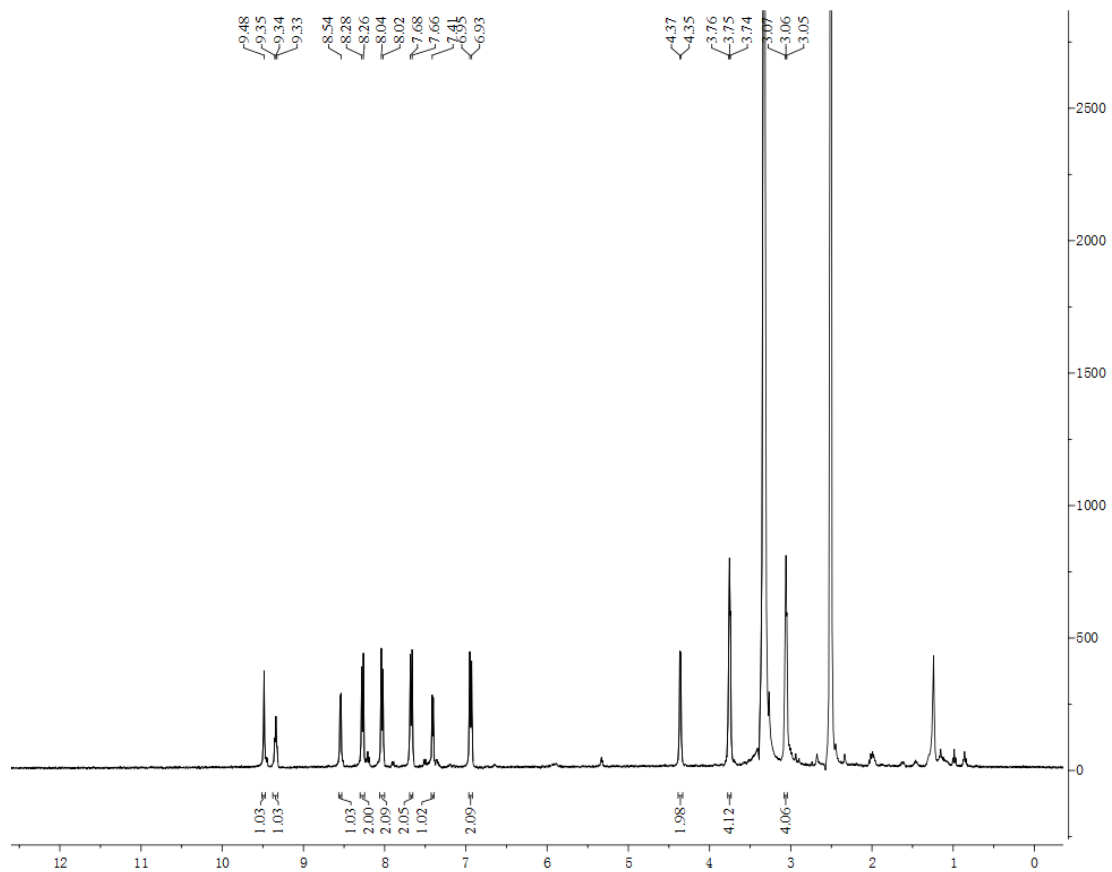


The LC-MS of compound **18**



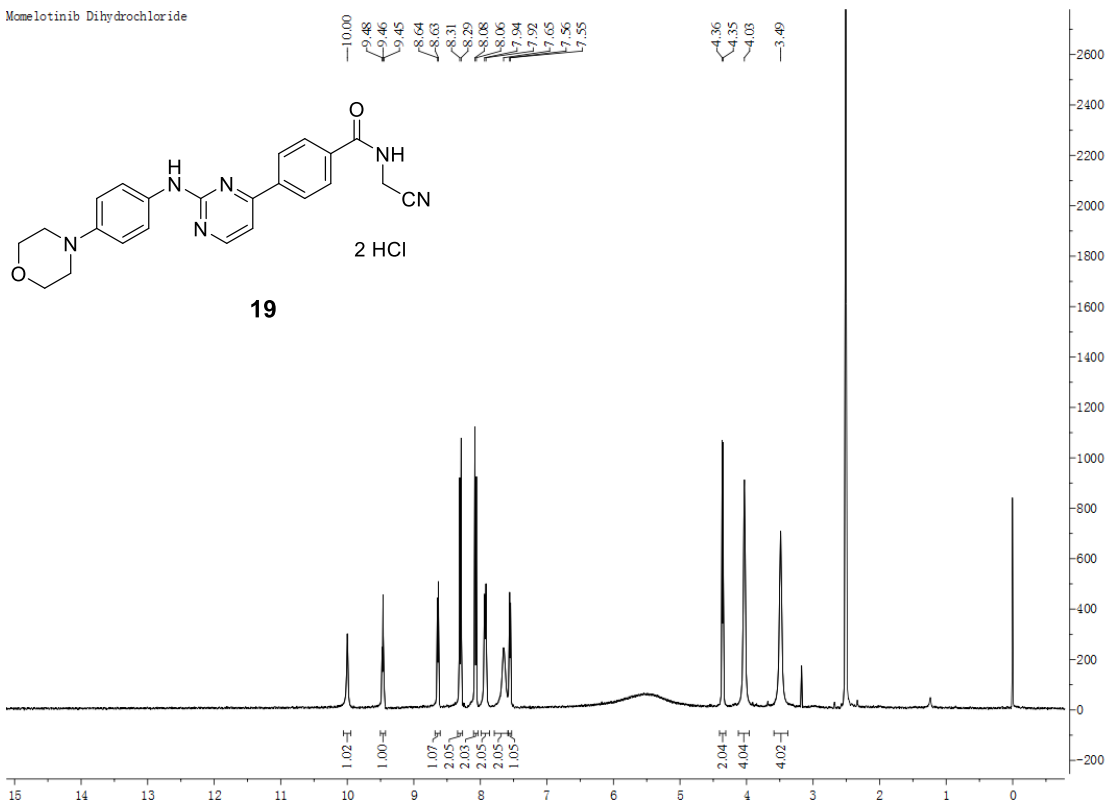


**1**

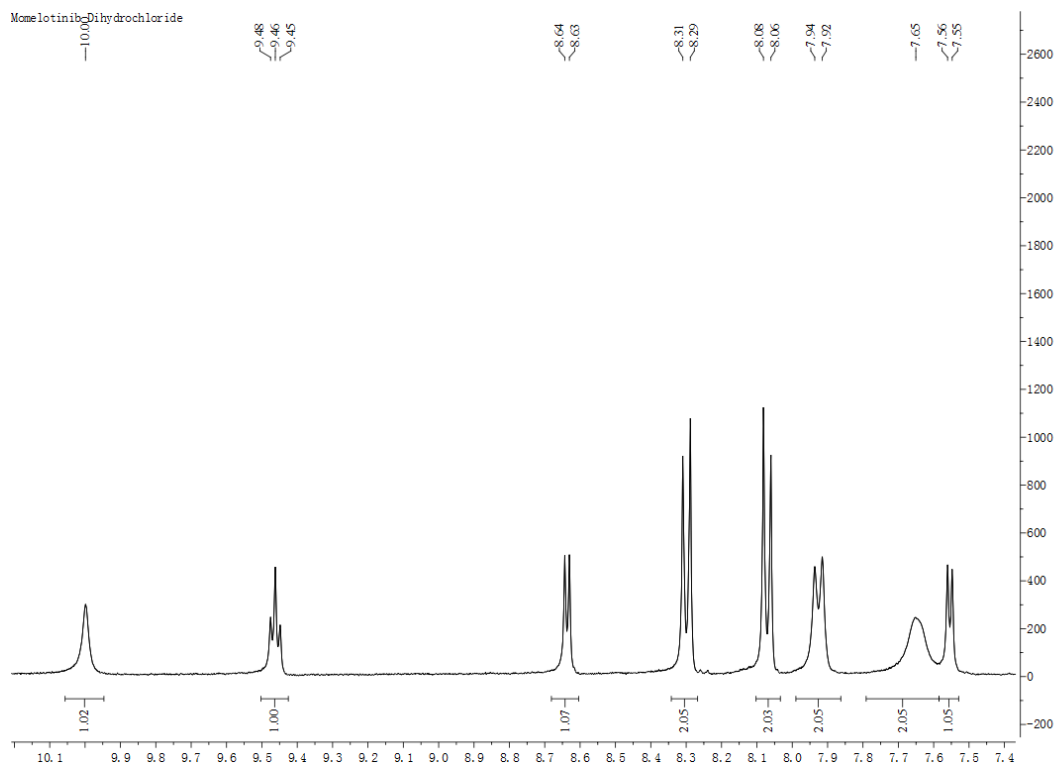


The  $^1\text{H}$  NMR of compound **1**

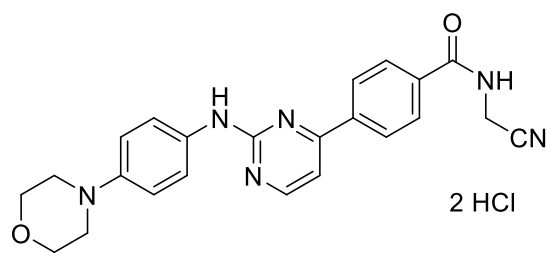
Momelotinib Dihydrochloride



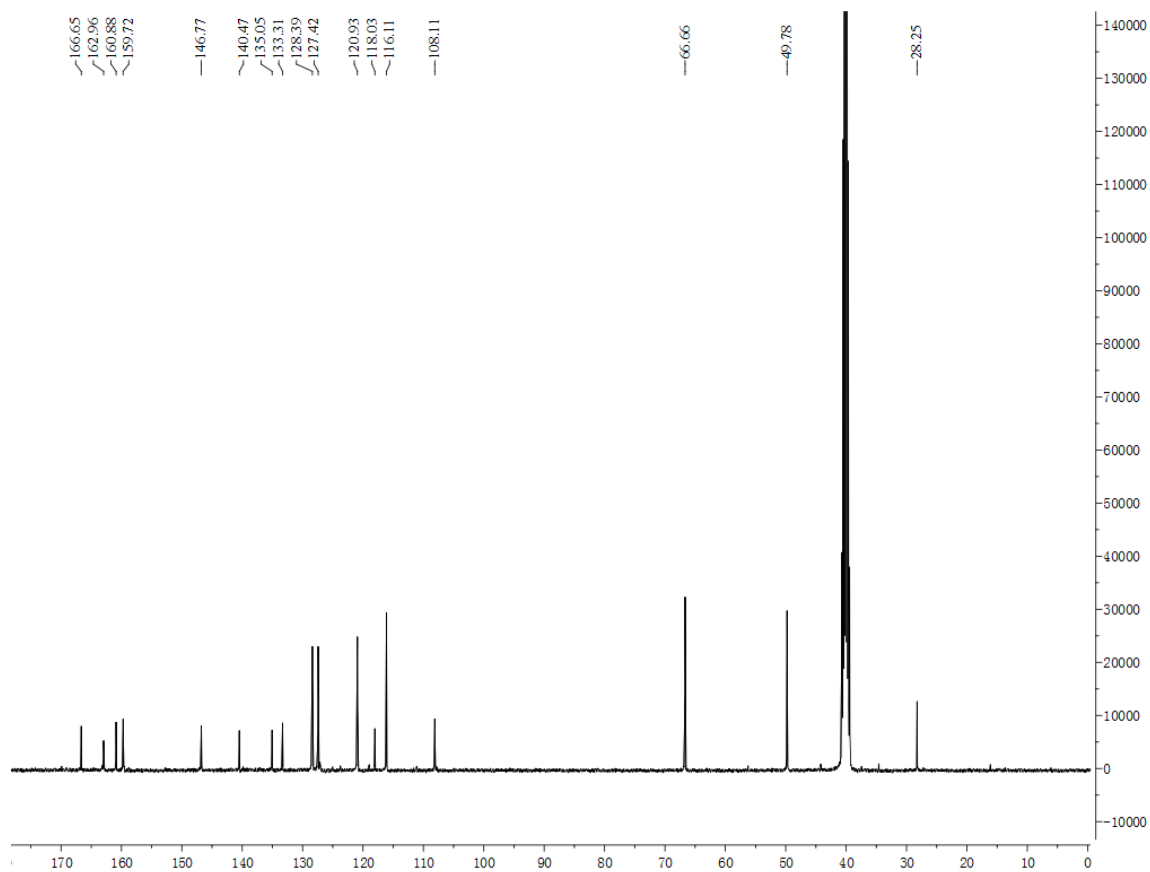
Momelotinib Dihydrochloride



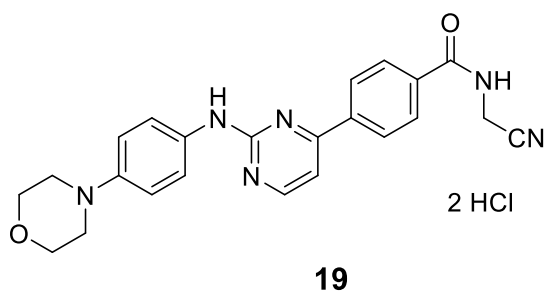
The <sup>1</sup>H NMR of compound 19



**19**

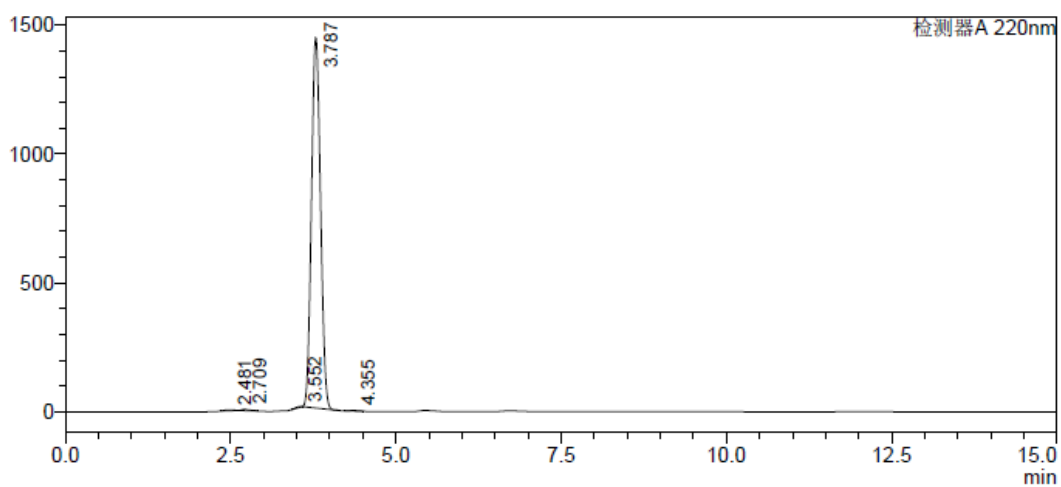


The <sup>13</sup>C NMR of compound **19**



<Chromatogram>

mV

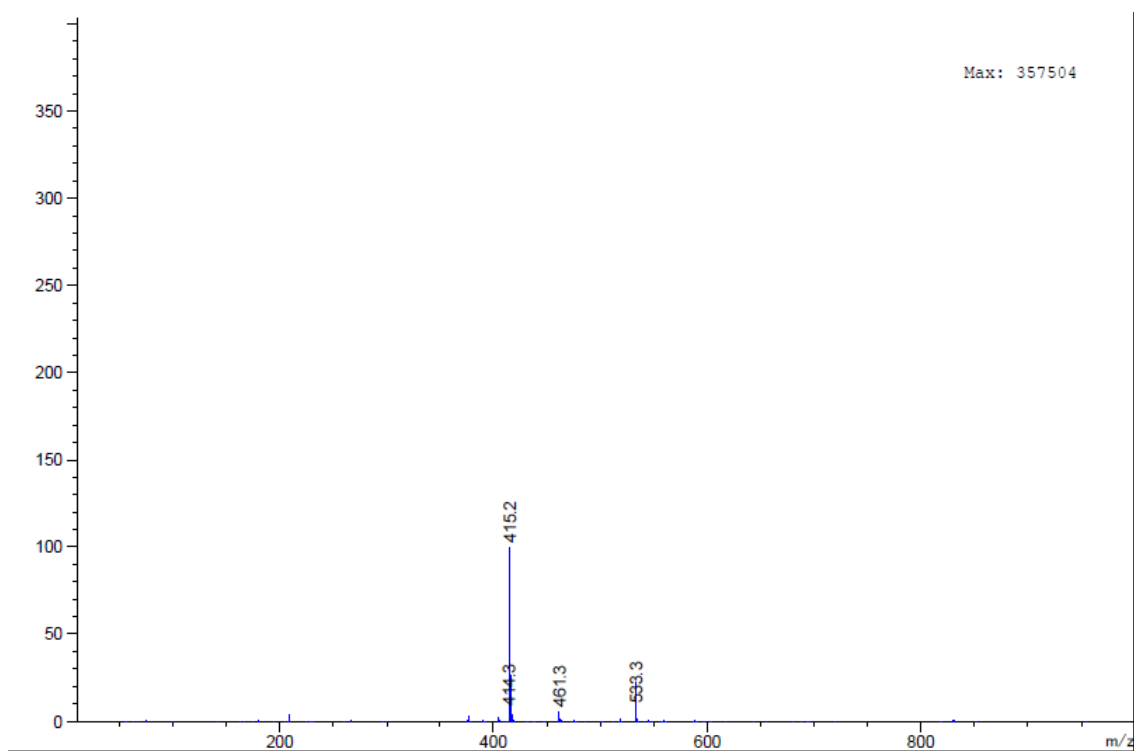
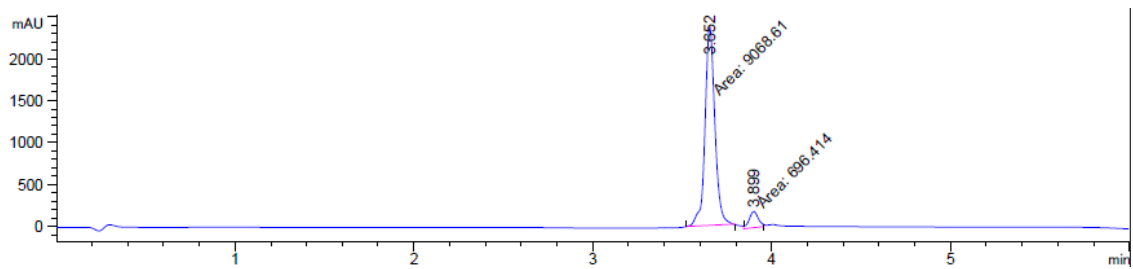
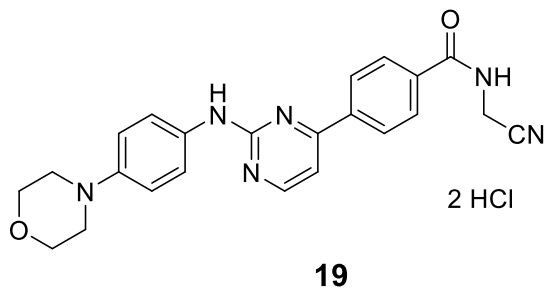


<Peak Table>

检测器A 220nm

Peak#	Ret. Time	Area	Height	Conc.	Unit	Mark	Name
1	2.481	29540	3079	0.213		M	
2	2.709	44354	4956	0.319		M	
3	3.552	23566	2118	0.170		M	
4	3.787	13769723	1436156	99.156		M	
5	4.355	19766	2123	0.142		M	
总计		13886950	1448432				

The HPLC of compound **19**



The LC-MS of compound **19**