

Supporting Information

Synthesis and Antiproliferative Activity of Novel Benzamide Derivatives

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Spectrum of intermediates and the target compounds

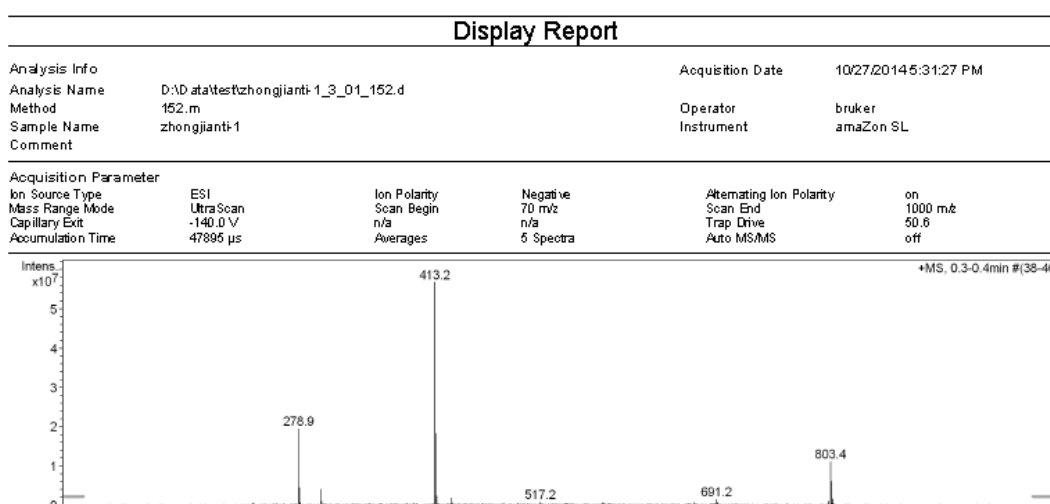


Fig. 1-1 MS spectrum of compound 1

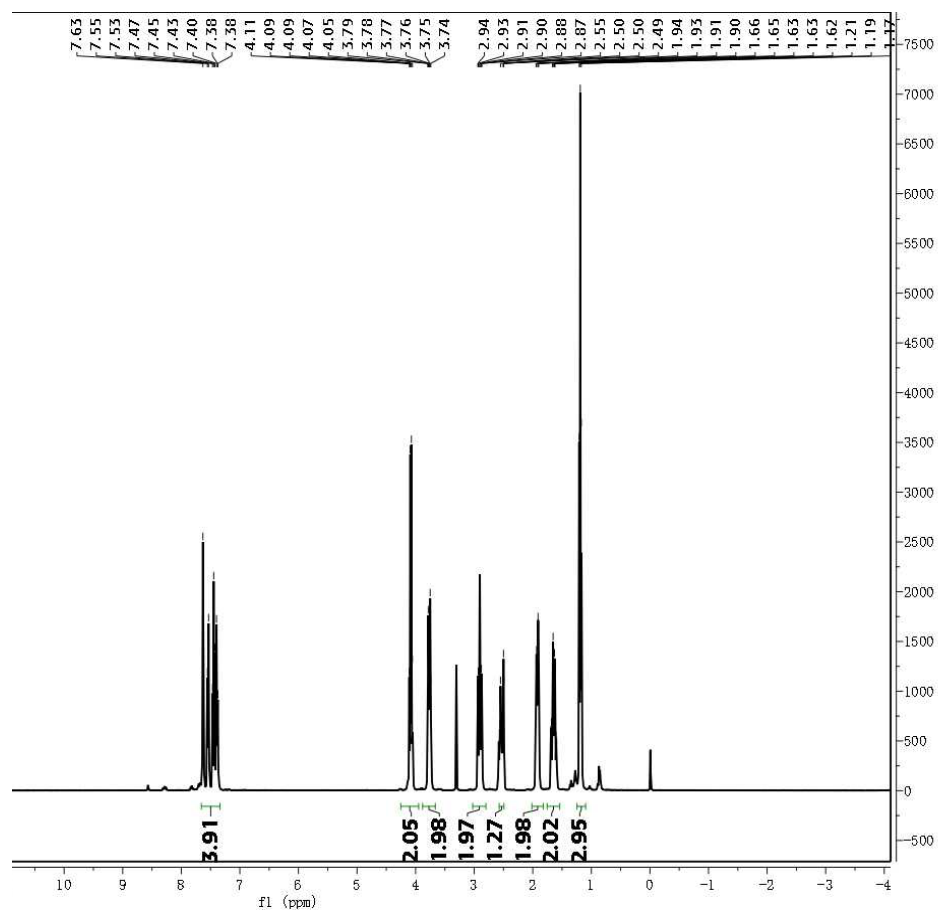


Fig. 1-2 ^1H -NMR spectrum of compound 1

Display Report

Analysis Info

Analysis Name D:\Data\test\1103zhongjianti-2_6_01_203.d
Method 203.m
Sample Name zhongjianti-2
Comment

Acquisition Date 11/3/2014 1:51:10 PM

Operator bruker
Instrument amaZon SL

Acquisition Parameter

Ion Source Type	ESI	Ion Polarity	Positive	Alternating Ion Polarity	on
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Accumulation Time	518 μs	Averages	5 Spectra	Auto MS/MS	off

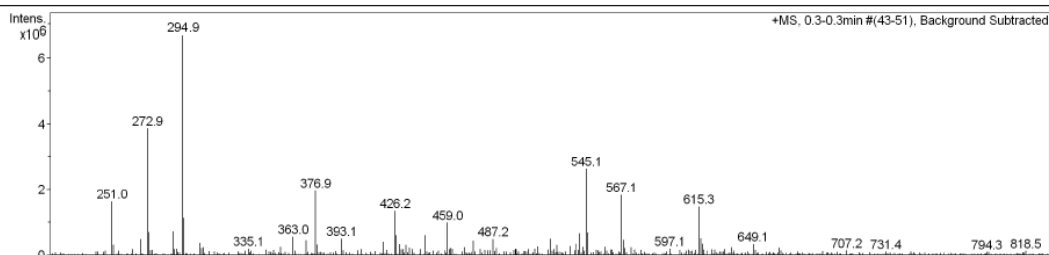


Fig. 2-1 MS spectrum of compound 2

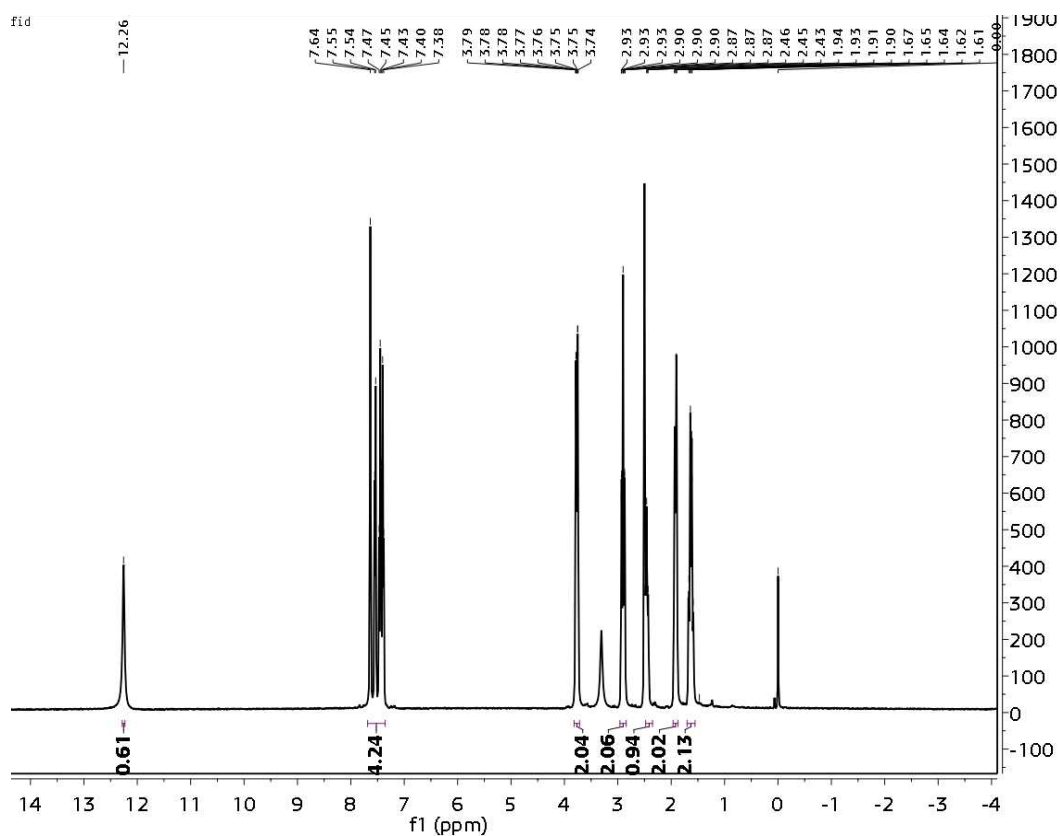


Fig. 2-2 ¹H-NMR spectrum of compound 2

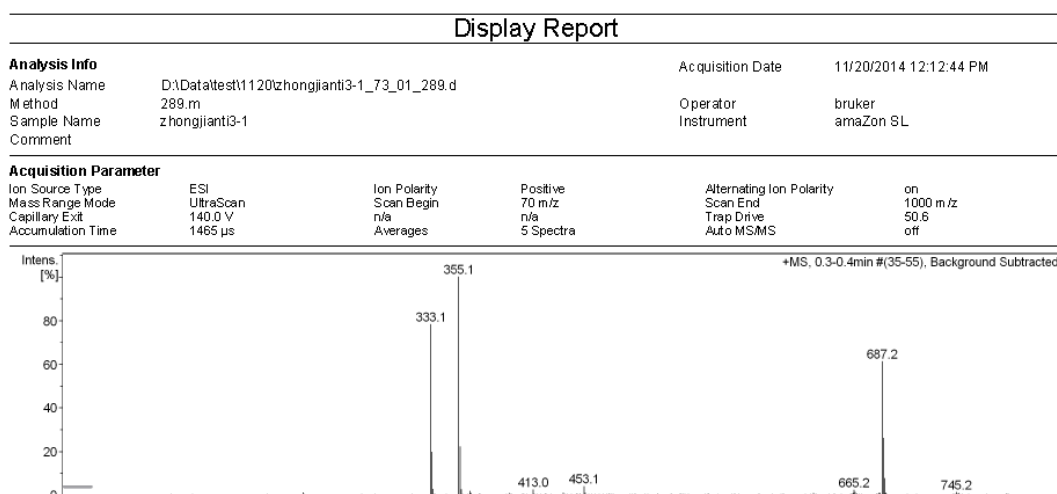


Fig. 3-1 MS spectrum of compound 3

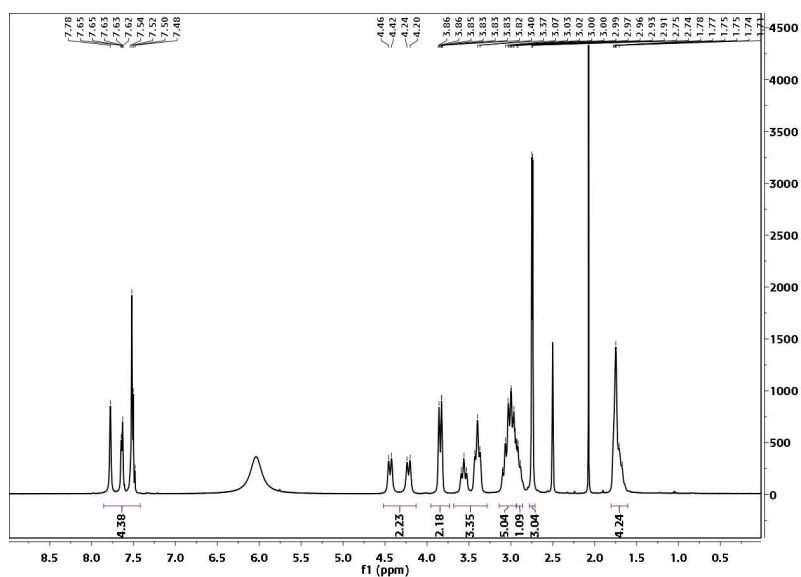


Fig. 3-2 ^1H -NMR spectrum of compound 3

Direct Mass Spectrometry Analysis

Analysis Name: 17011178.d

Instrument: LC-MSD-Trip-SL

Print Date: 1/11/2017 7:18:21 PM

Sample Name: QK-1

Operator: Administrator

Acq. Date: 1/11/2017 7:16:52 PM

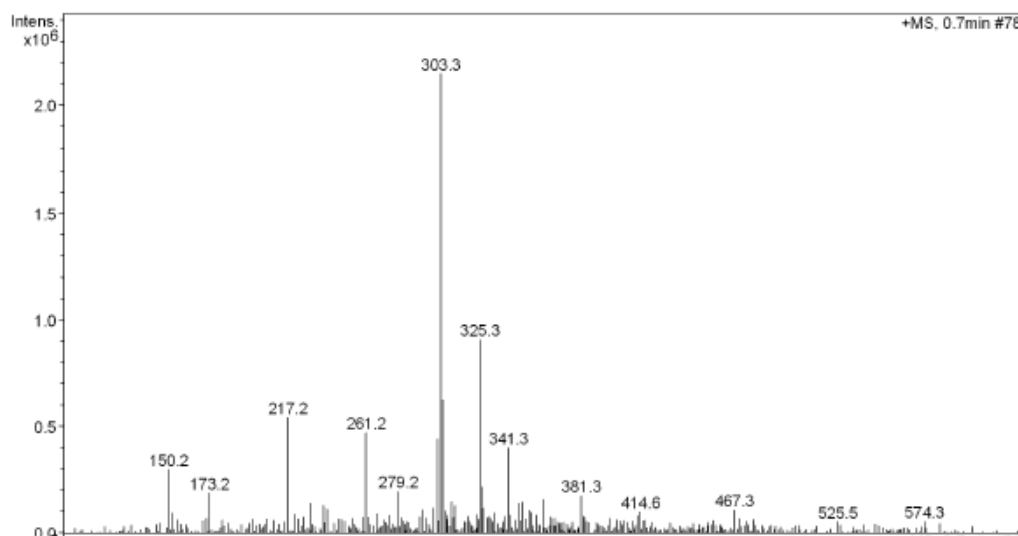


Fig. 4-1 MS spectrum of compound 4

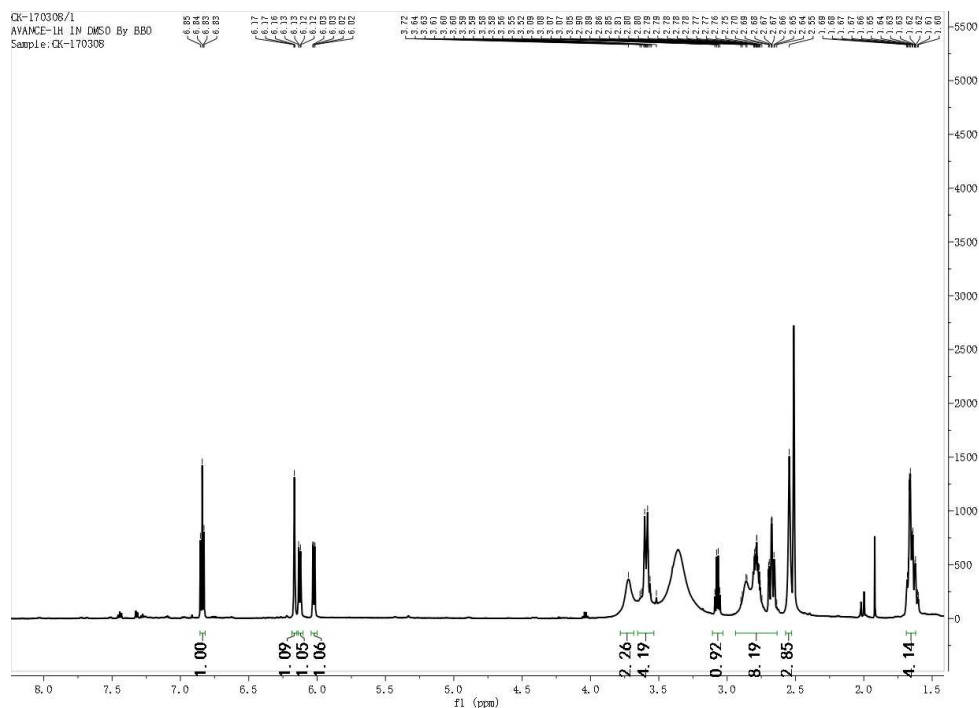


Fig. 4-2 ^1H -NMR spectrum of compound **4**

Display Report

Analysis Info

Analysis Name D:\Data\test\0603\XA_63_01_1503.d
 Method 1503.m
 Sample Name XA
 Comment

Acquisition Date 6/3/2015 5:02:30 PM

Operator bruker
 Instrument amaZon SL

Acquisition Parameter

Ion Source Type	ESI	Ion Polarity	Positive	Alternating Ion Polarity	on
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Capillary Exit	140.0 V	n/a	n/a	Trap Drive	50.6
Accumulation Time	200000 μs	Averages	5 Spectra	Auto MS/MS	off

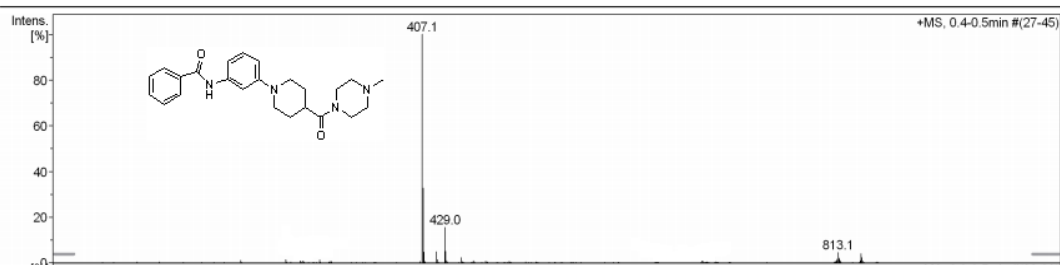


Fig. 5-1 MS spectrum of compound **5a**

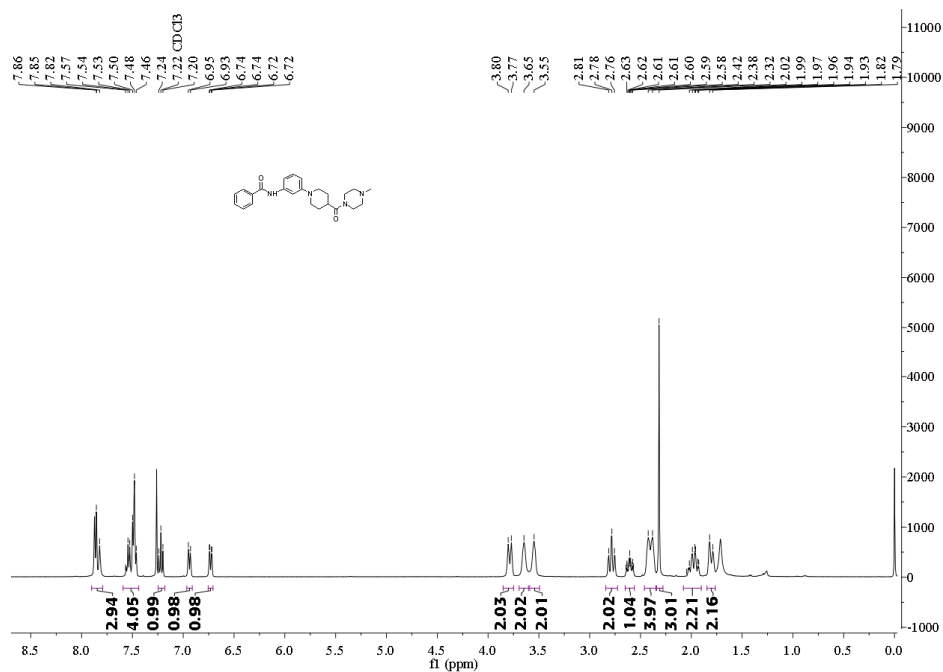


Fig. 5-2 ¹H-NMR spectrum of compound 5a

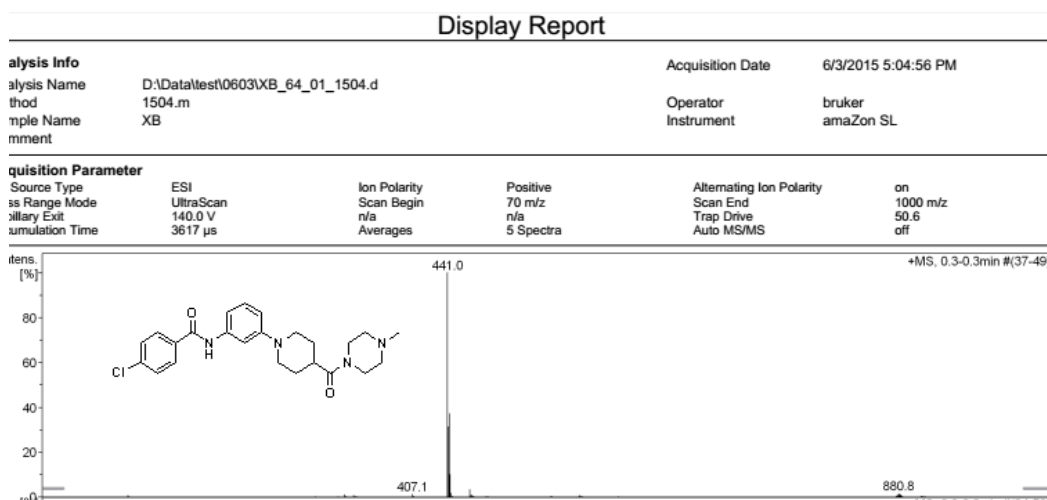


Fig.6-1 MS spectrum of compound 5b

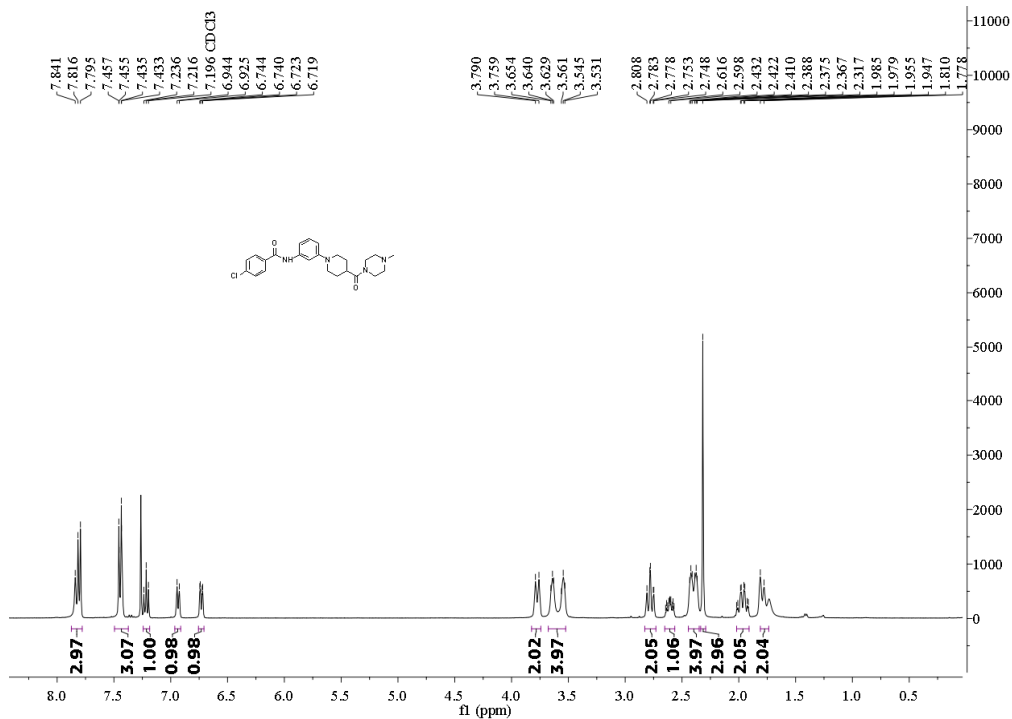


Fig. 6-2 ¹H-NMR spectrum of compound **5b**

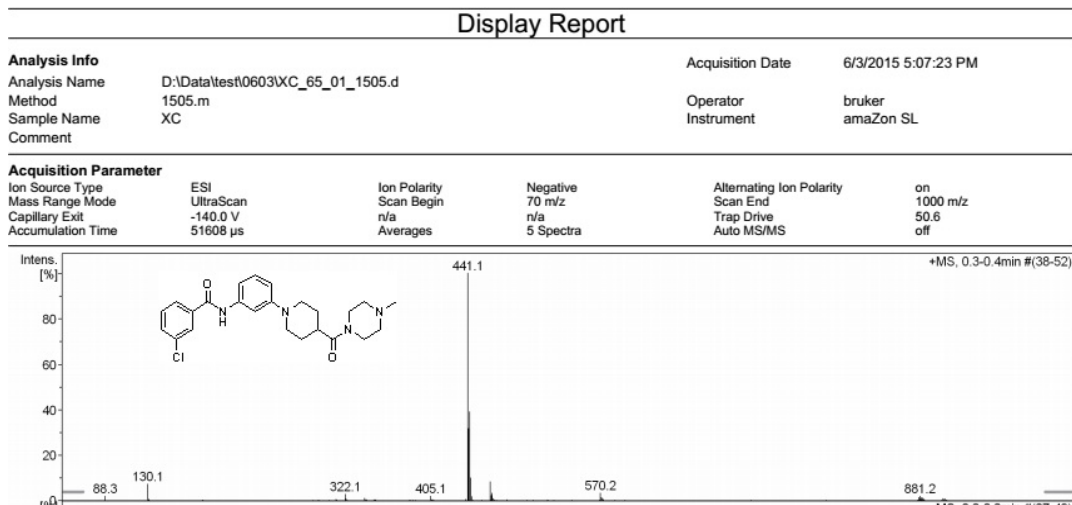


Fig.7-1 MS spectrum of compound **5c**

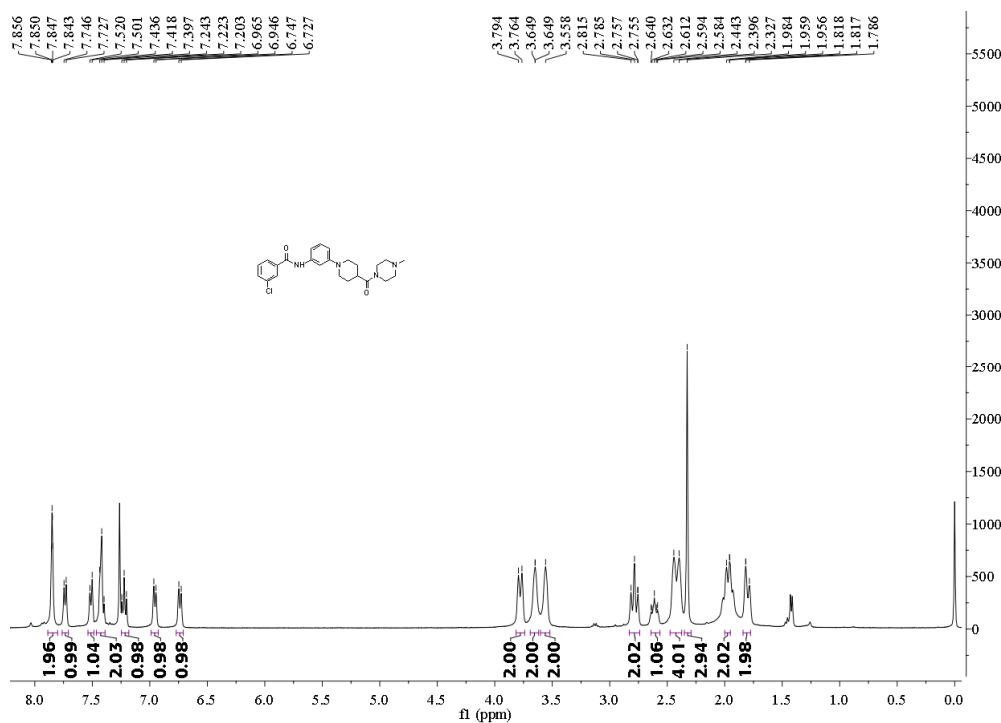


Fig. 7-2 ^1H -NMR spectrum of compound 5c

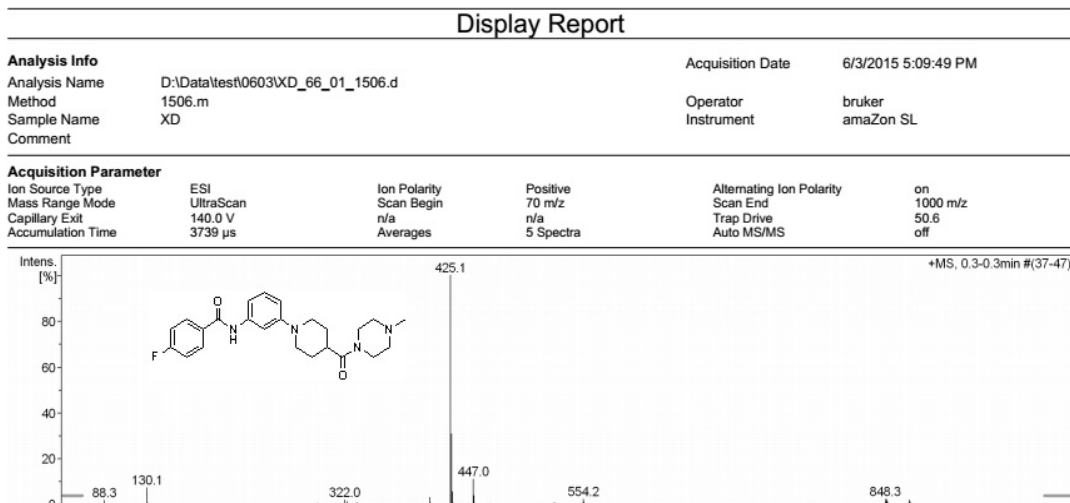


Fig.8-1 MS spectrum of compound 5d

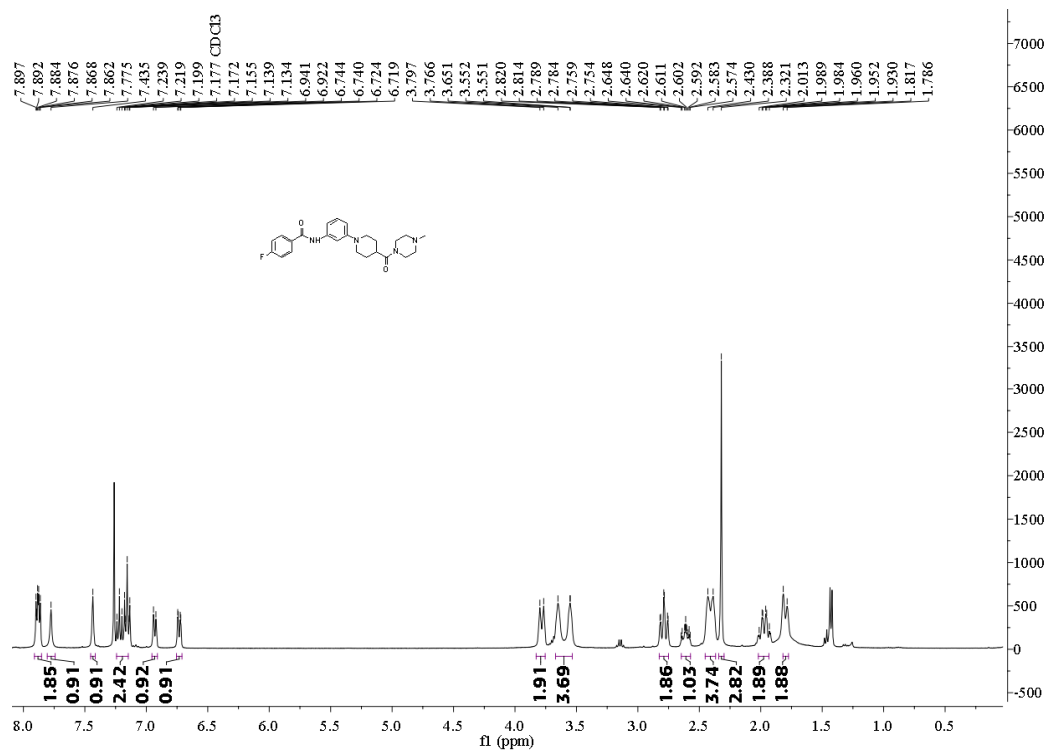


Fig.8-2 ^1H -NMR spectrum of compound 5d

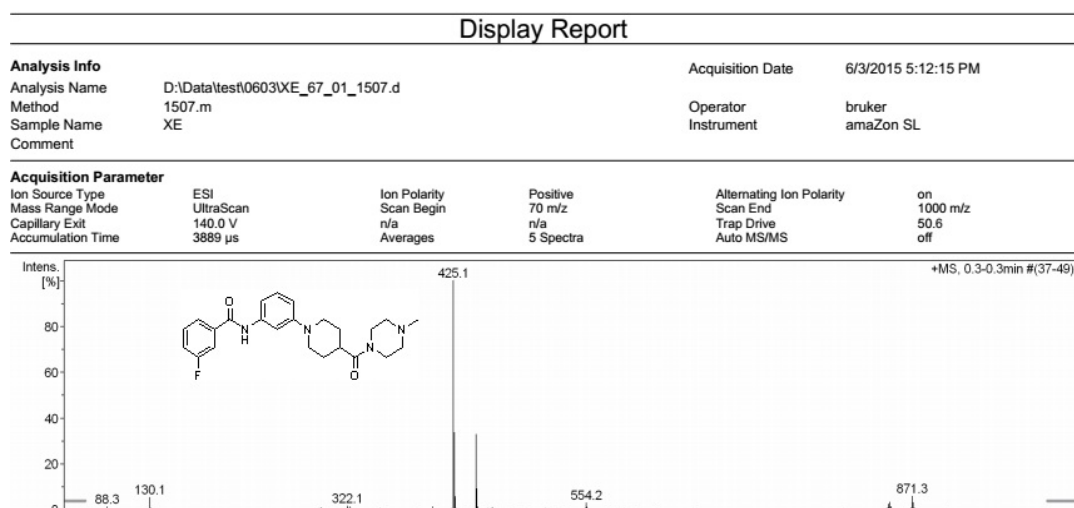


Fig.9-1 MS spectrum of compound 5e

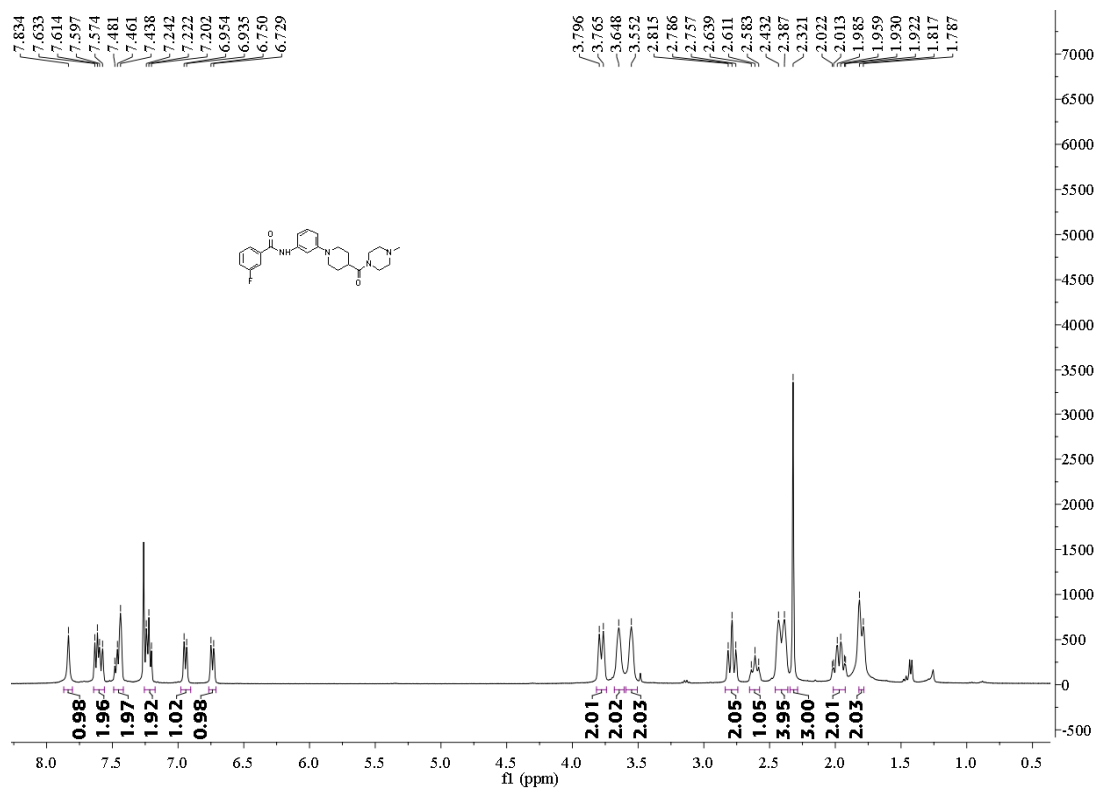


Fig.9-2 ^1H -NMR spectrum of compound 5e

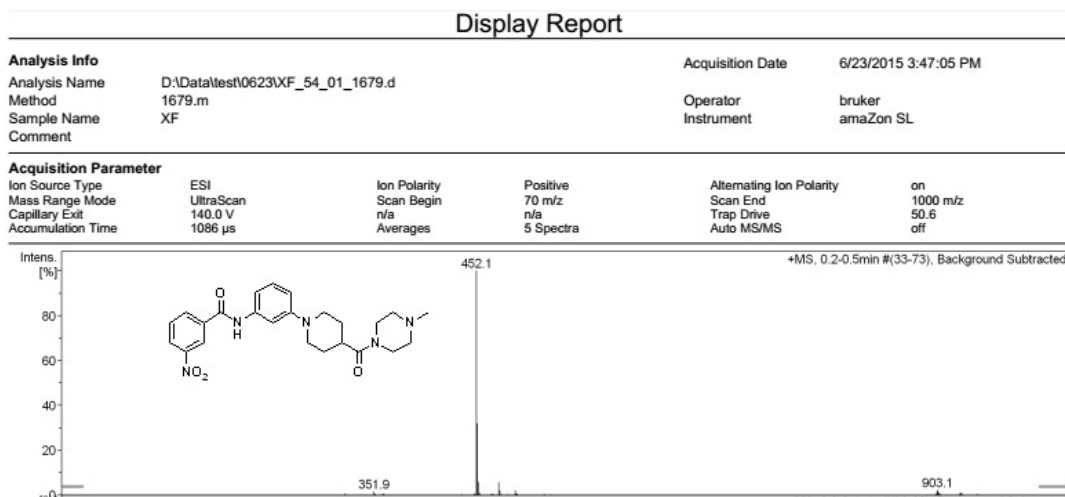
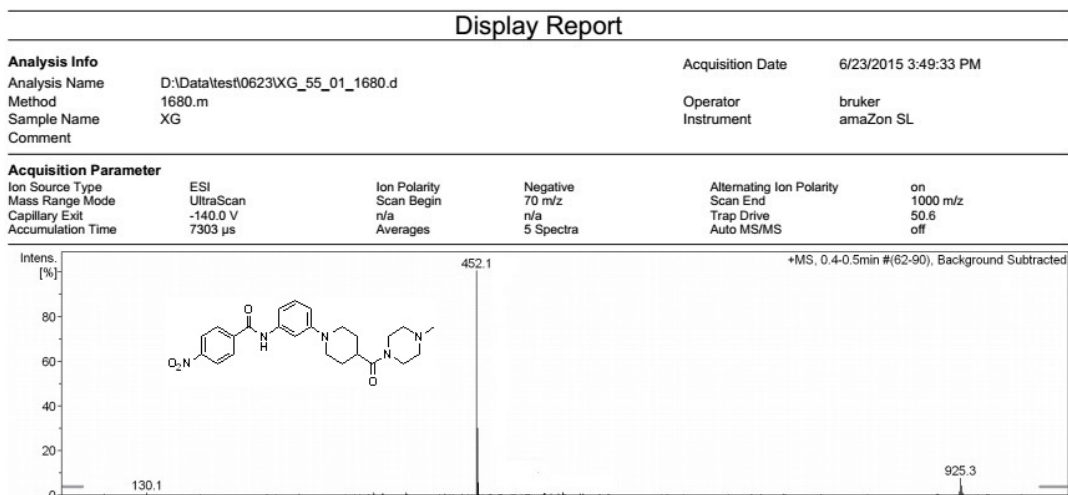
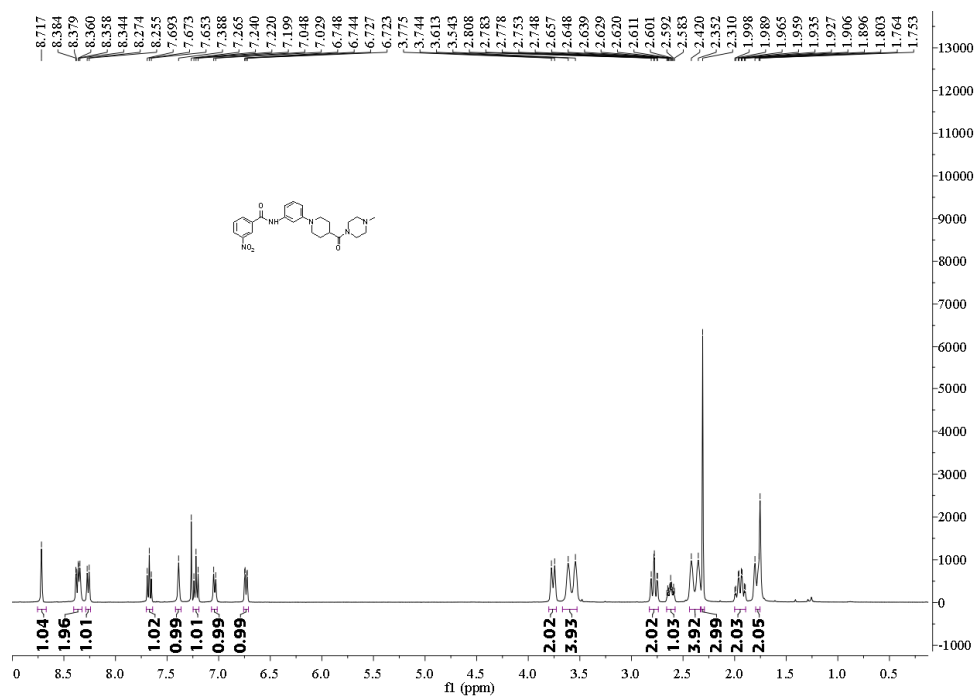


Fig.10-1 MS spectrum of compound 5f



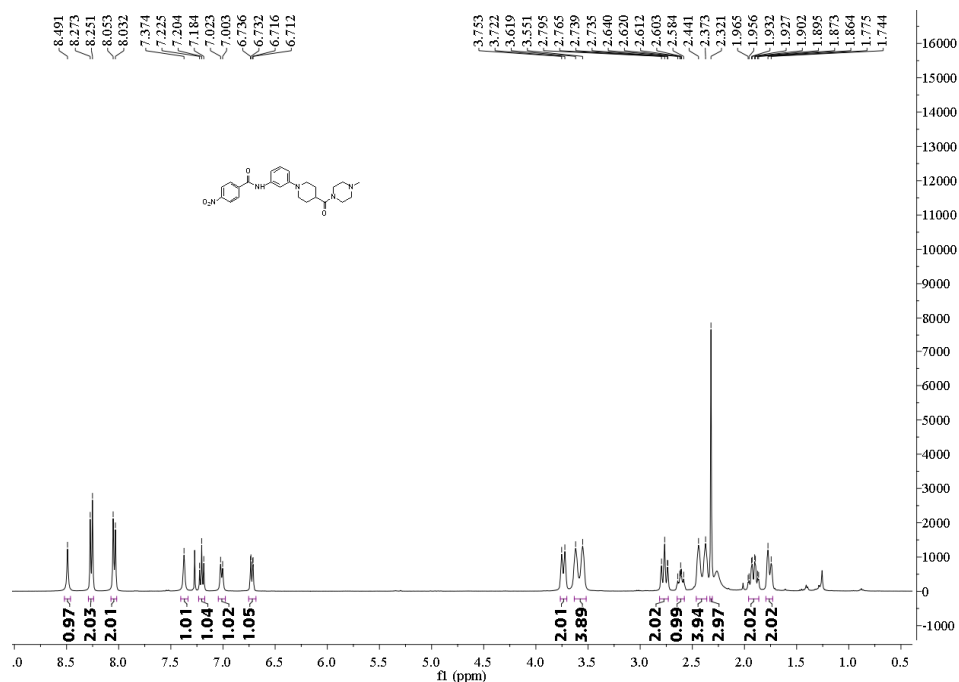


Fig.11-2 ¹H-NMR spectrum of compound 5g

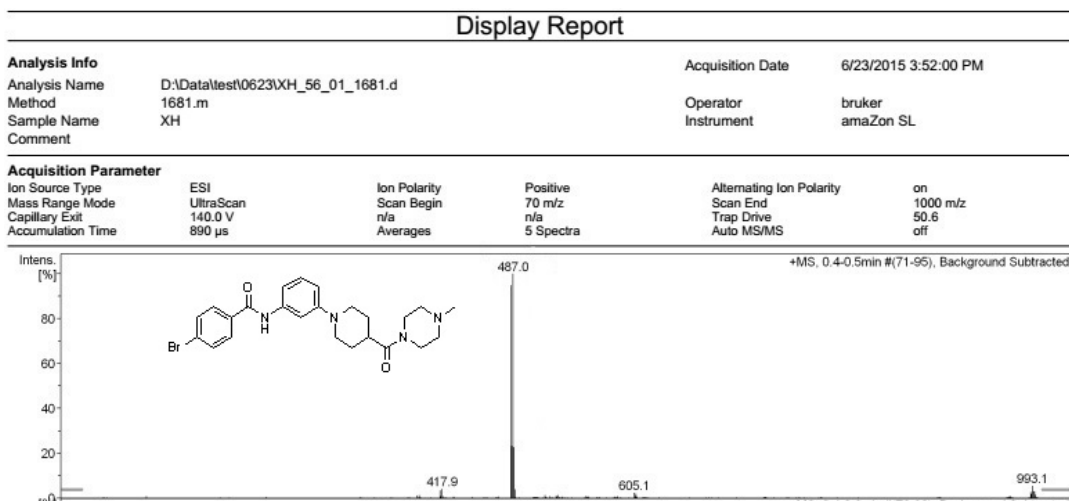


Fig.12-1 MS spectrum of compound 5h

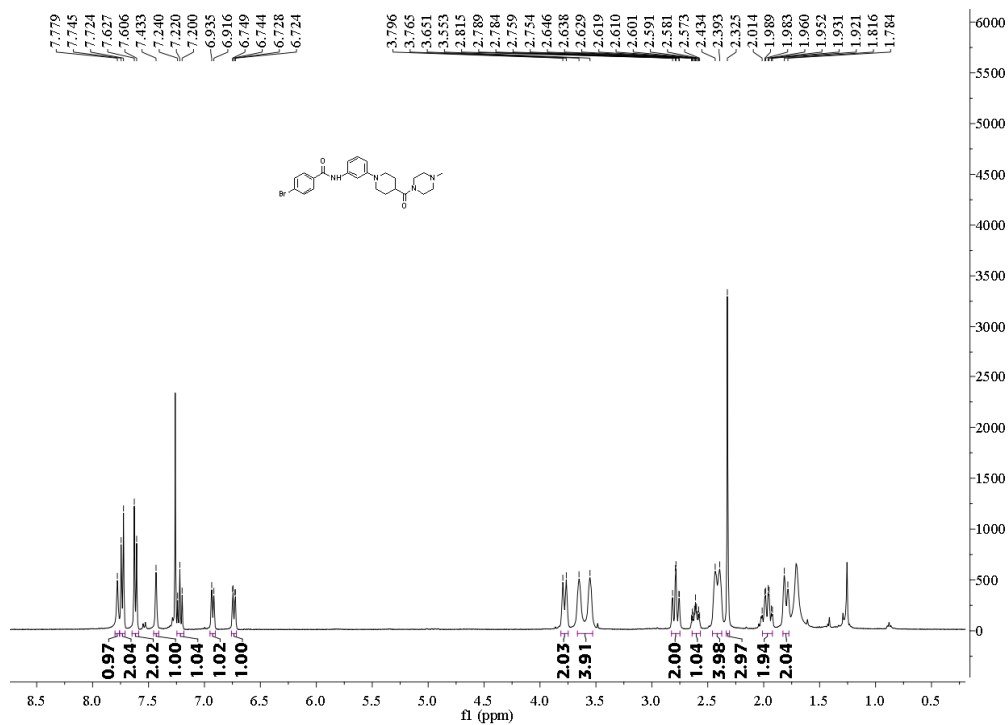


Fig.12-2 ¹H-NMR spectrum of compound 5h

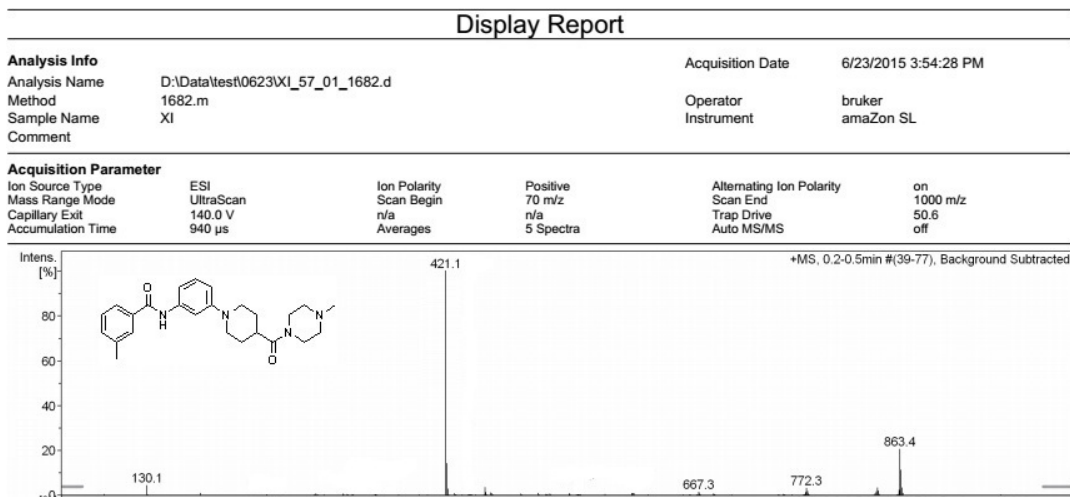


Fig.13-1 MS spectrum of compound 5i

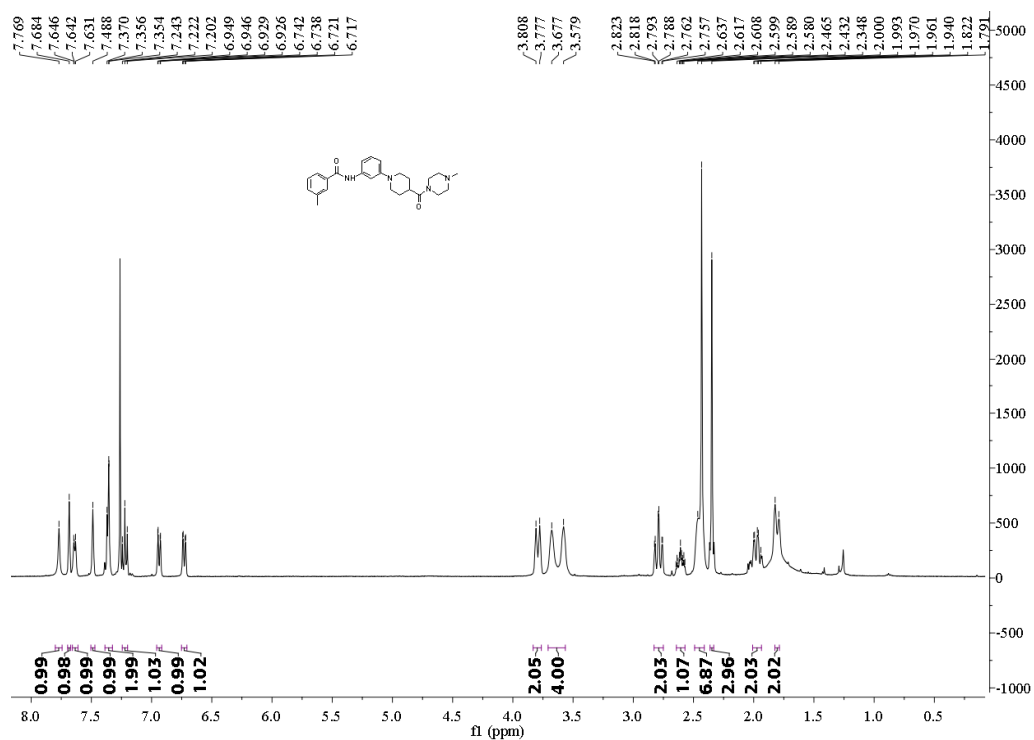


Fig.13-2 ^1H -NMR spectrum of compound 5i

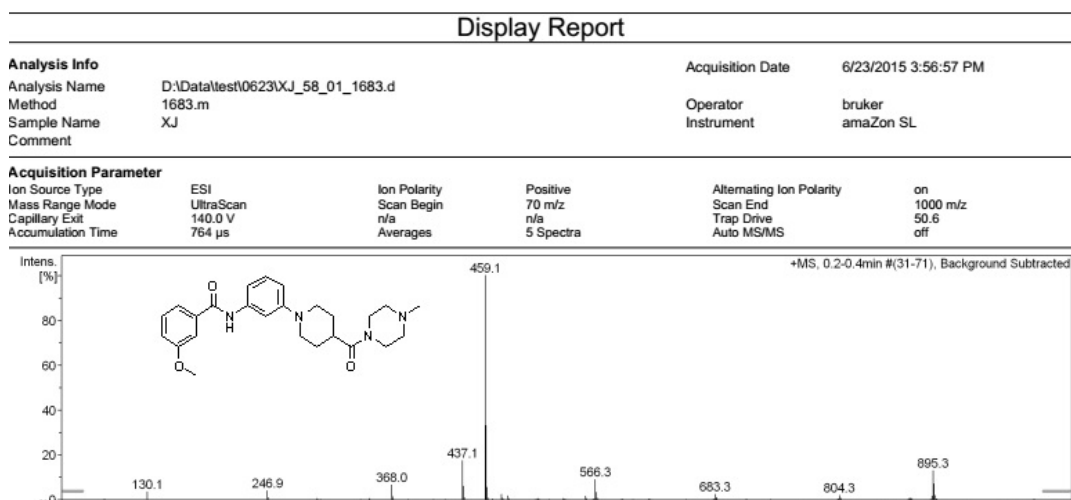


Fig.14-1 MS spectrum of compound 5j

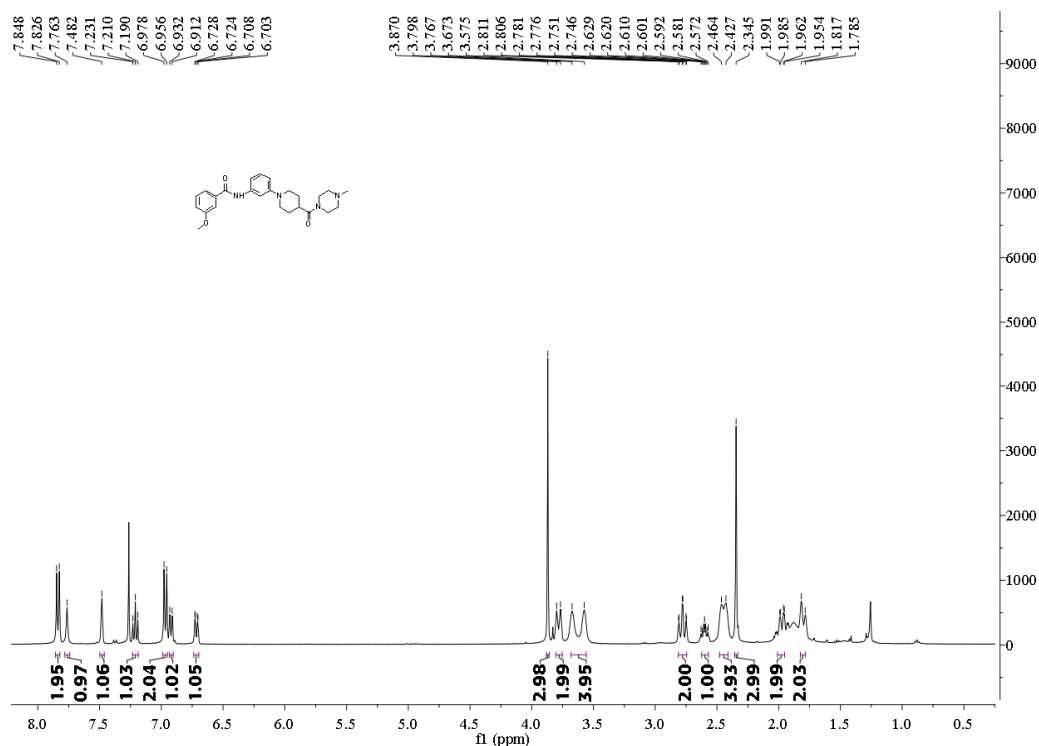


Fig.14-2 ¹H-NMR spectrum of compound 5j

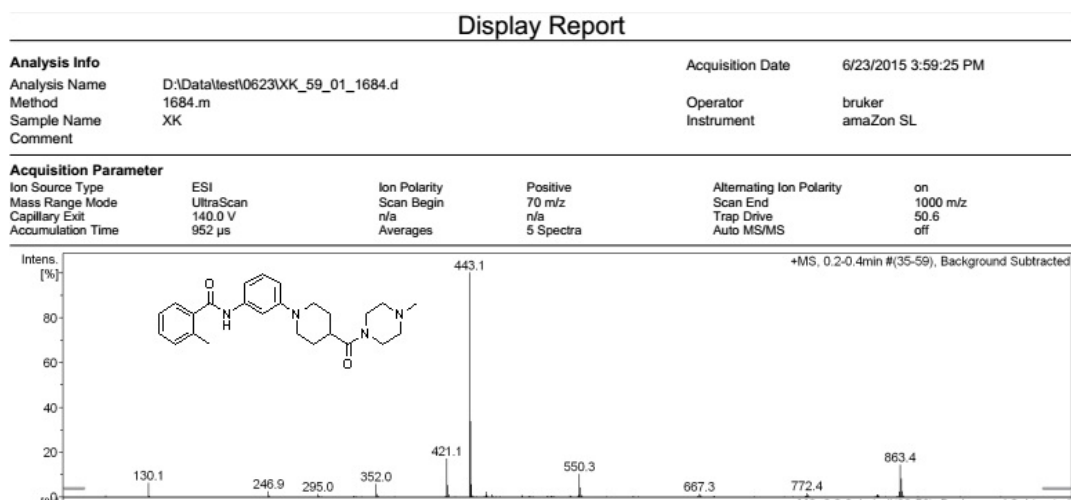


Fig.15-1 MS spectrum of compound 5k

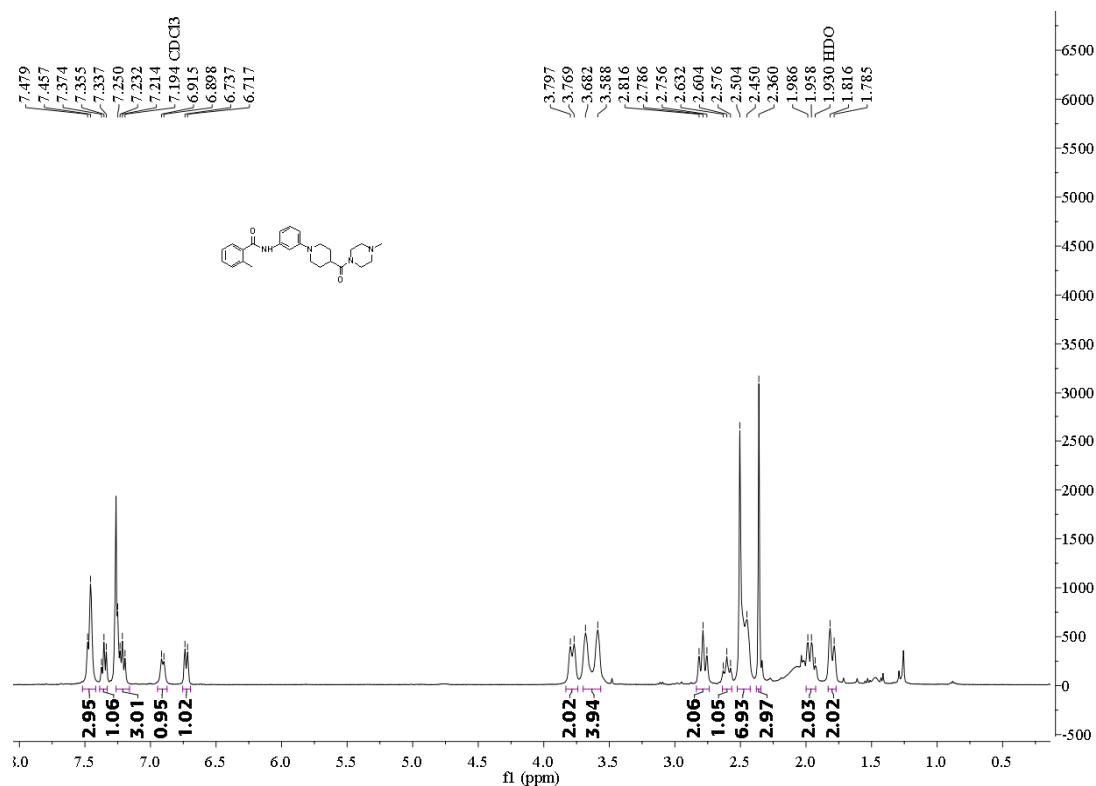


Fig.15-2 ^1H -NMR spectrum of compound 5k

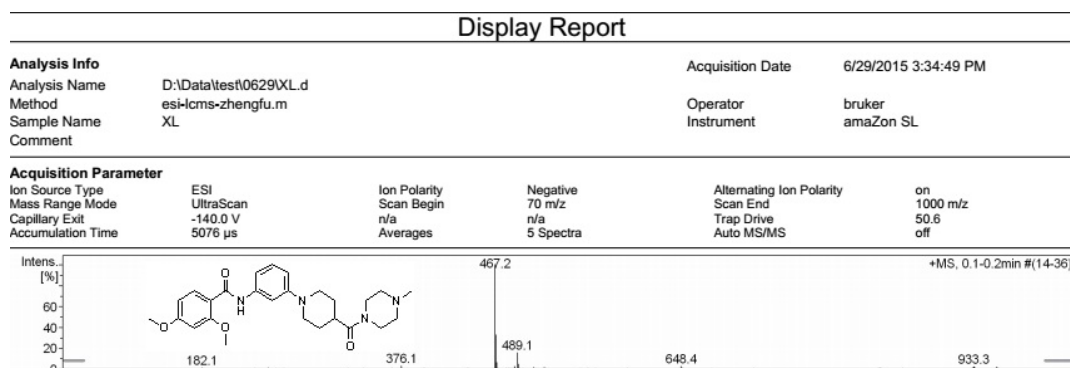


Fig.16-1 MS spectrum of compound 5l

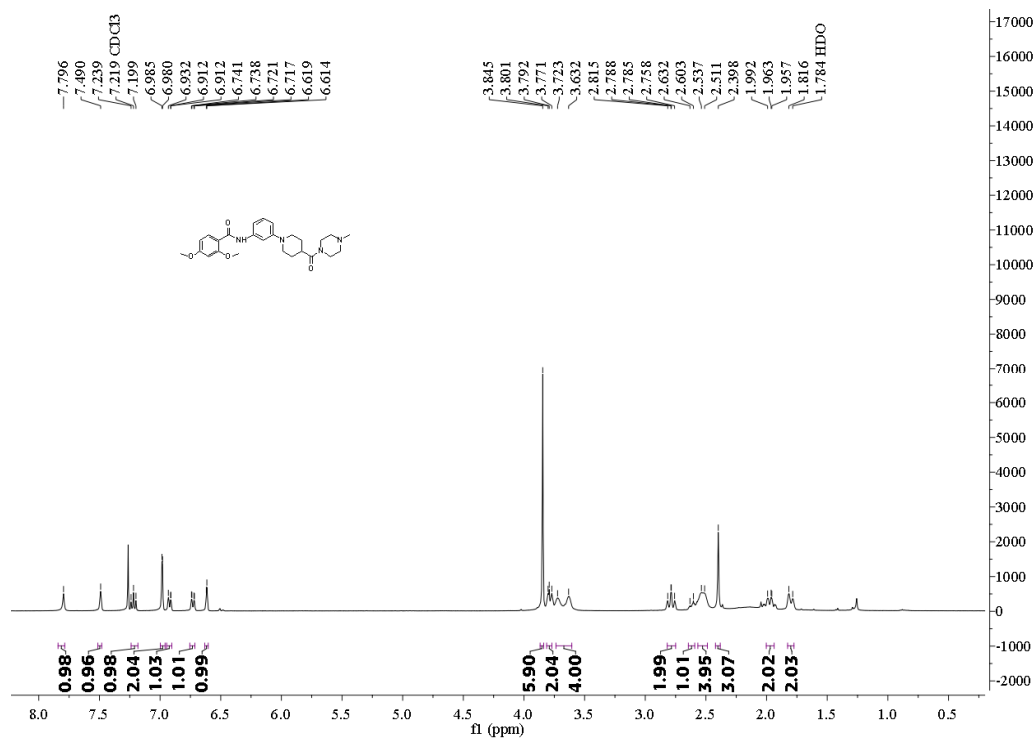


Fig.16-2 ^1H -NMR spectrum of compound 5l

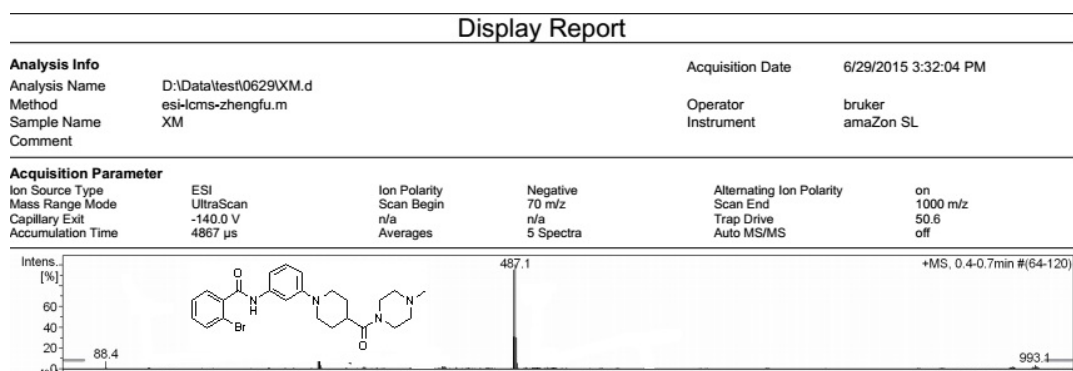


Fig.17-1 MS spectrum of compound 5m

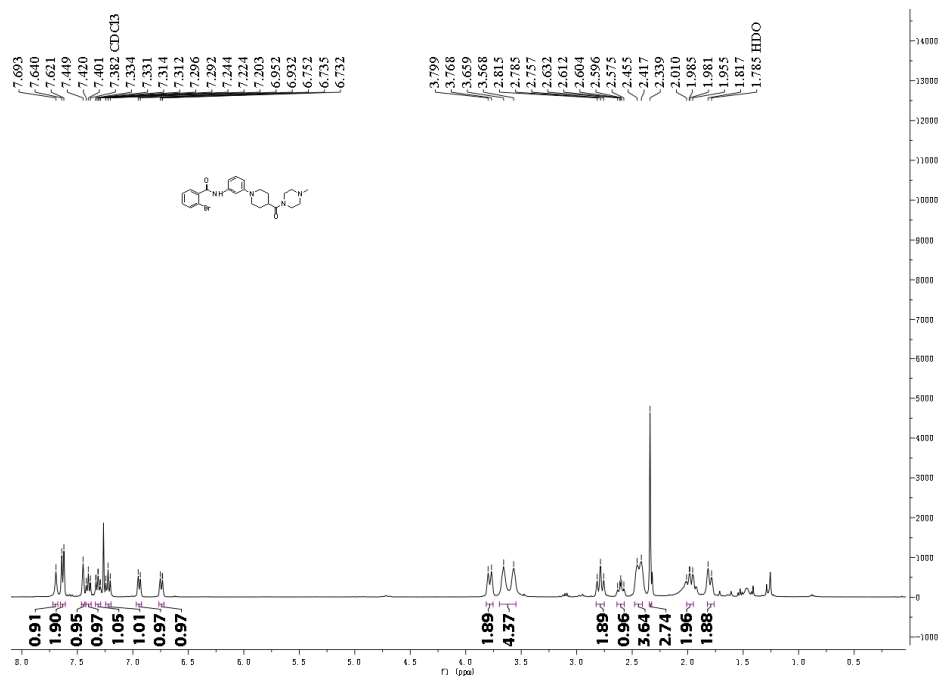


Fig.17-2 ^1H -NMR spectrum of compound **5m**

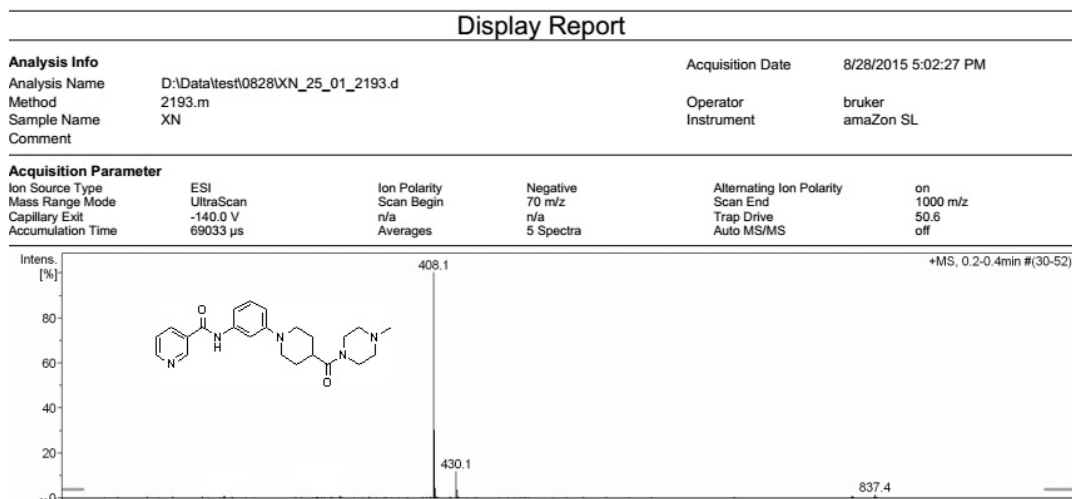


Fig.18-1 MS spectrum of compound **5n**

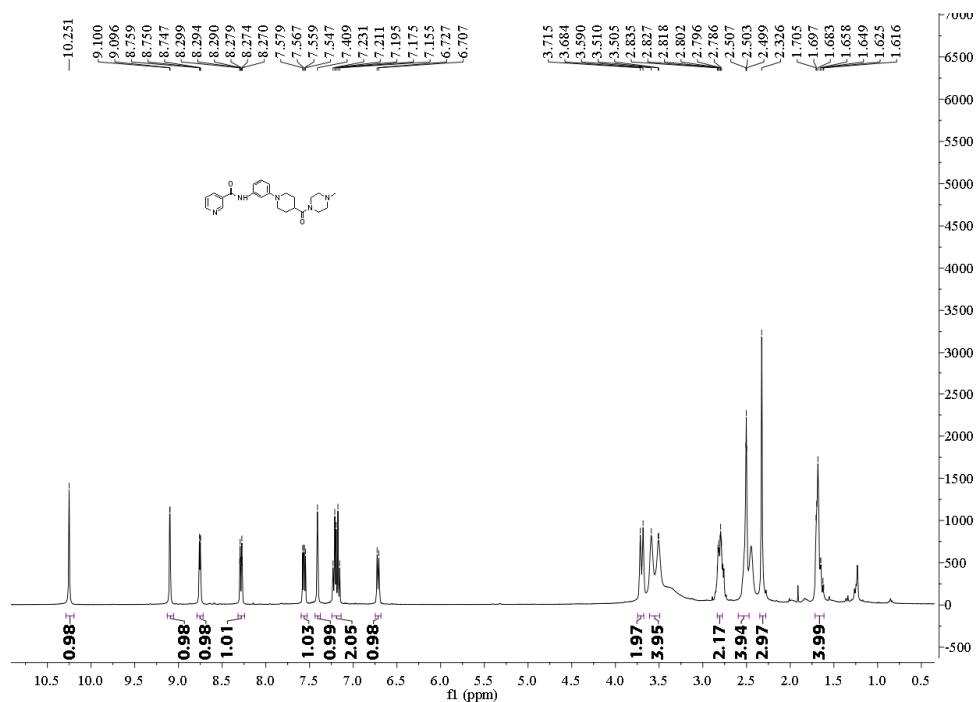


Fig.18-2 ^1H -NMR spectrum of compound 5n

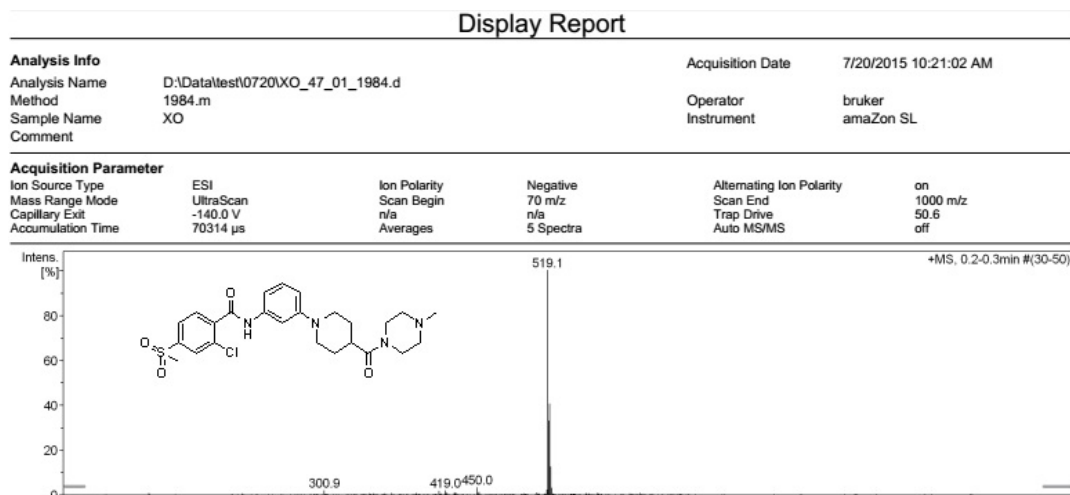


Fig.19-1 MS spectrum of compound 5o

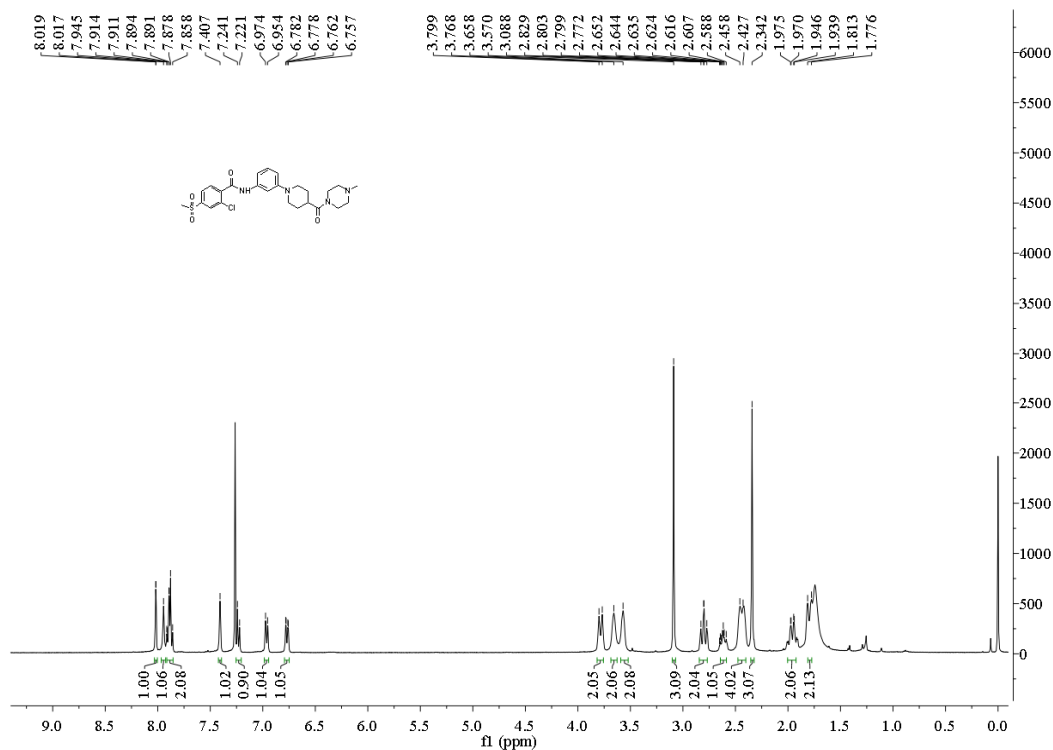


Fig.19-2 ^1H -NMR spectrum of compound 5o

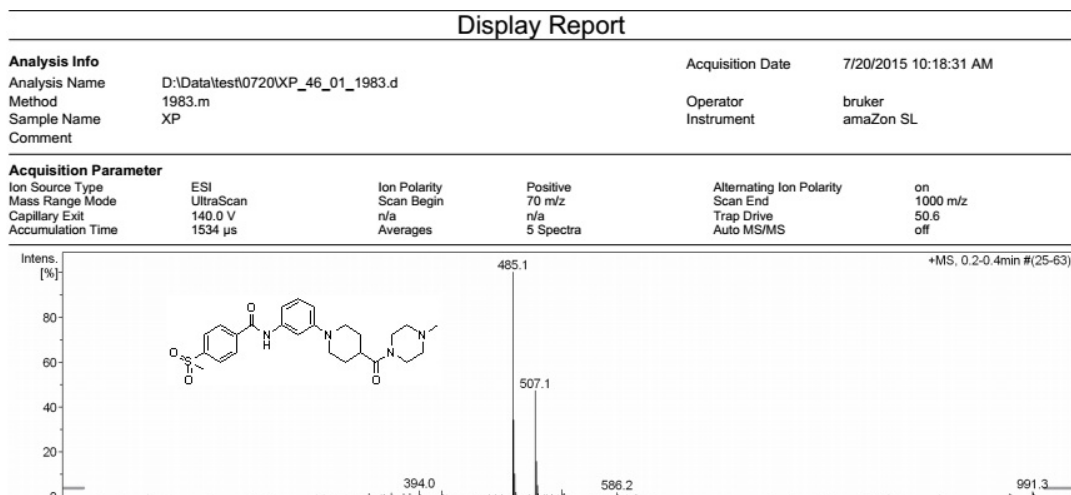


Fig.20-1 MS spectrum of compound 5p

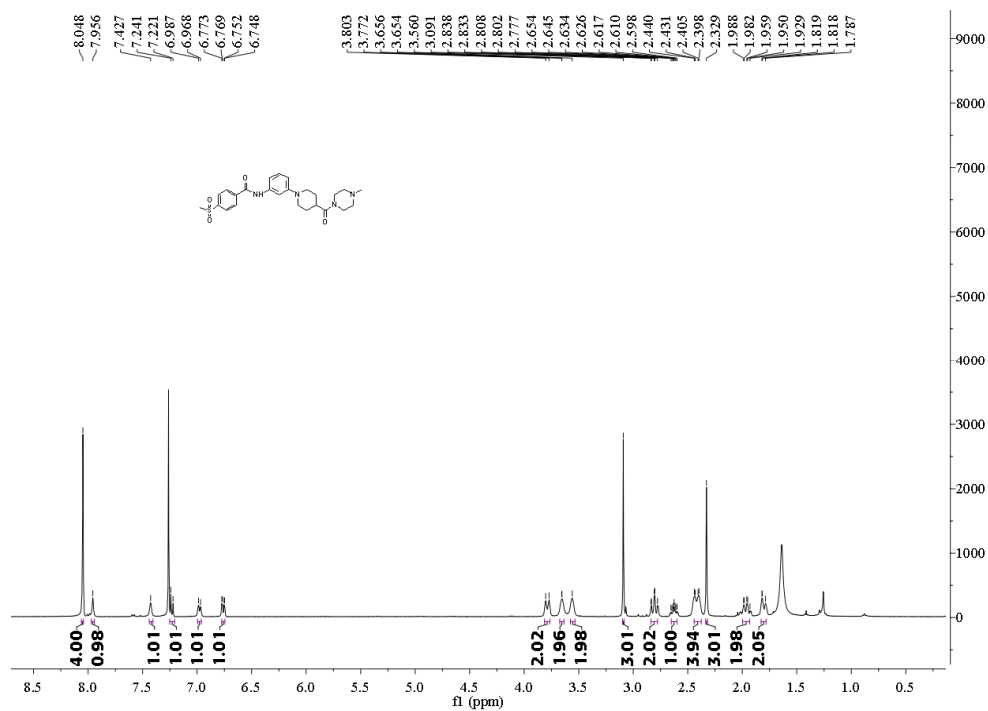


Fig.20-2 ^1H -NMR spectrum of compound 5p

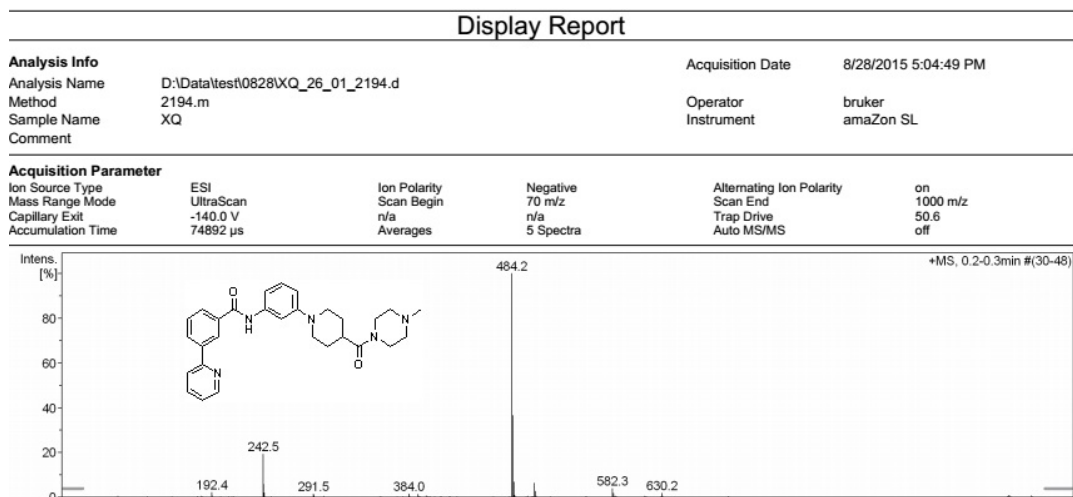


Fig.21-1 MS spectrum of compound 5q

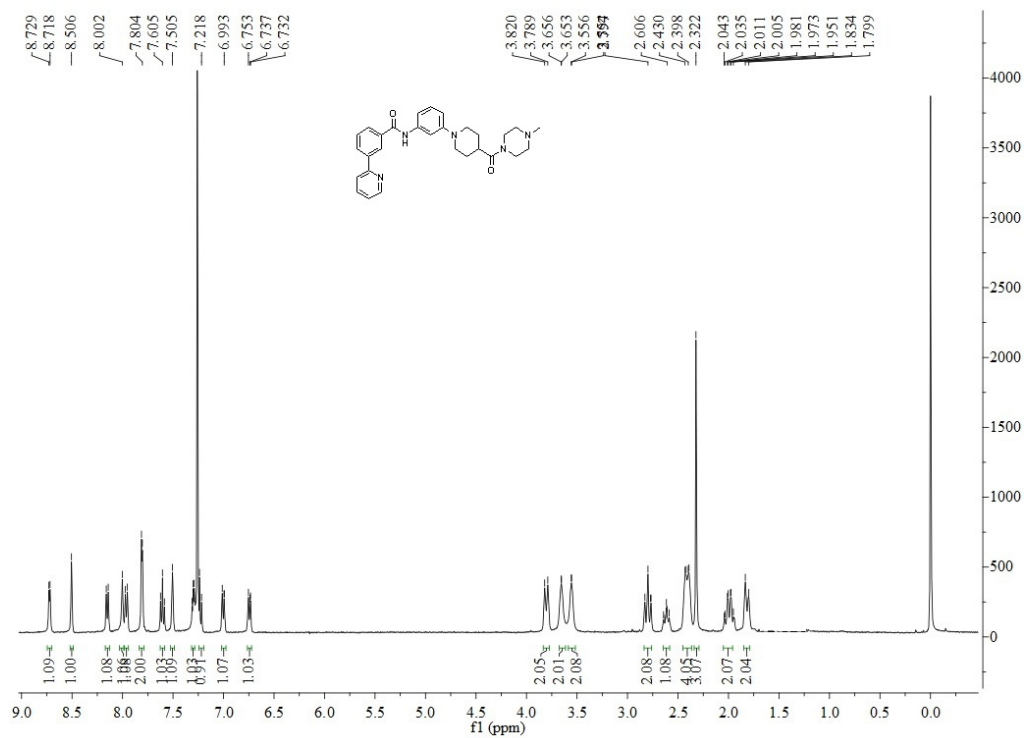


Fig.21-2 ¹H-NMR spectrum of compound 5q

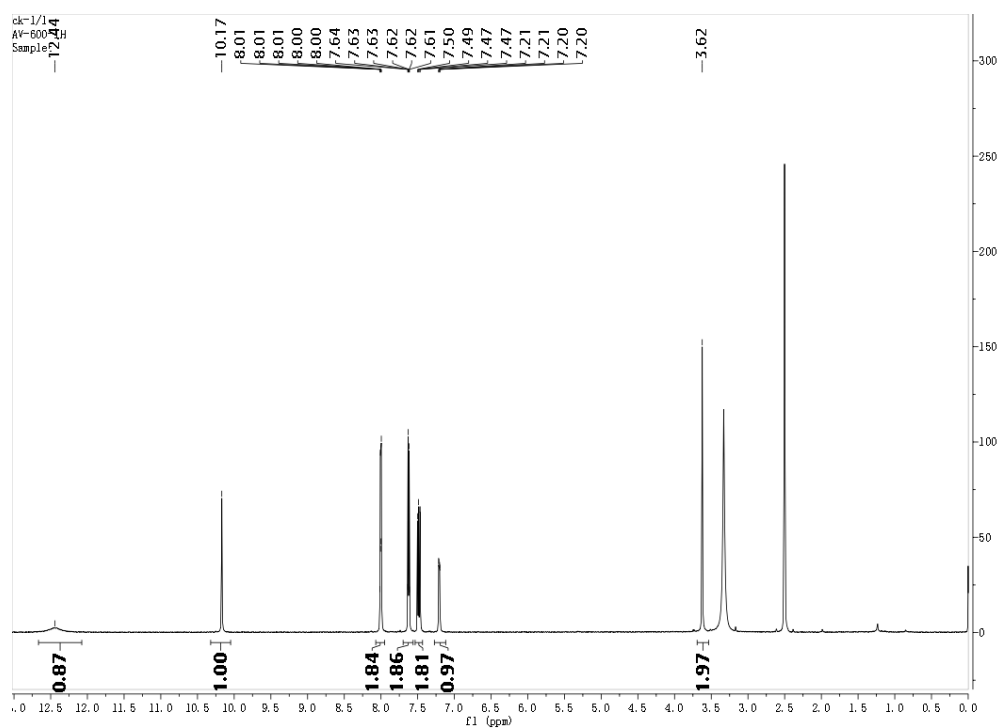


Fig.22 ¹H-NMR spectrum of compound 6

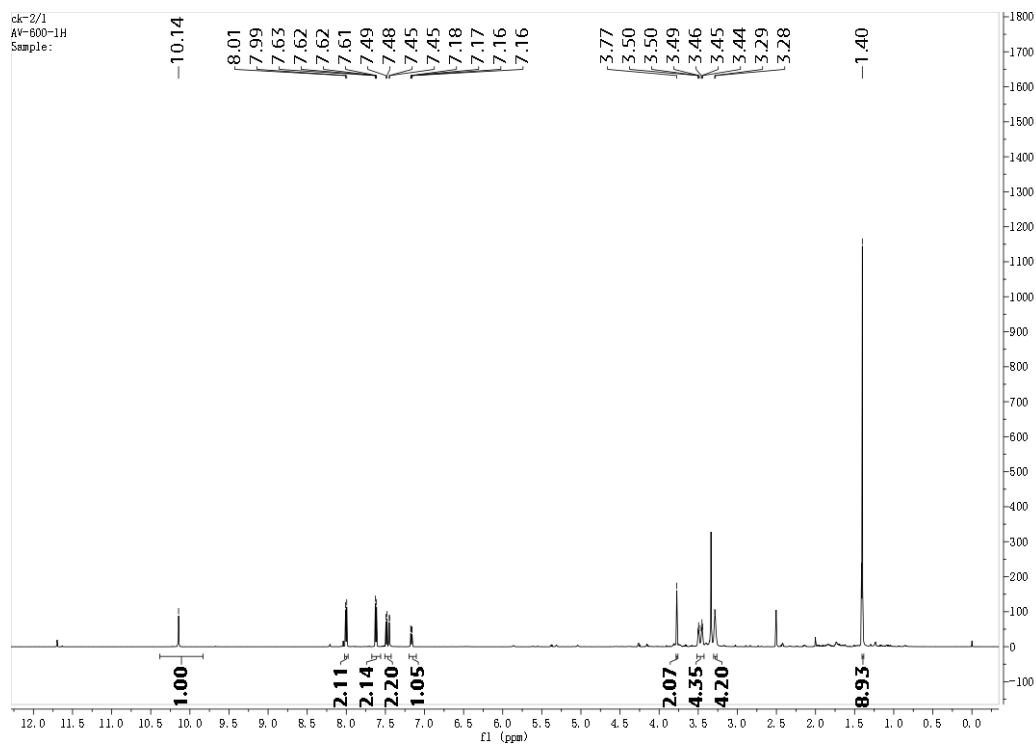


Fig.23 ^1H -NMR spectrum of compound 7

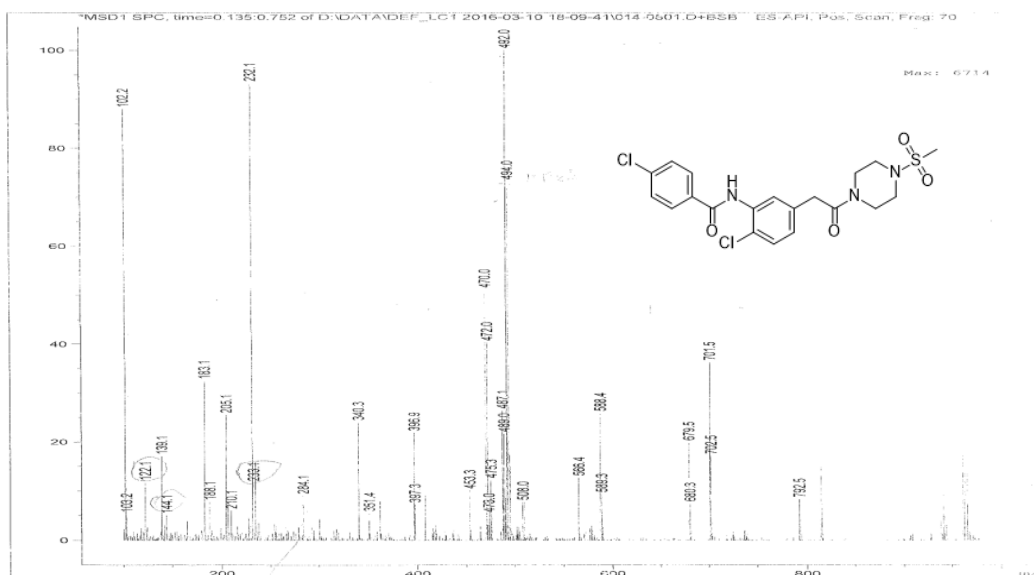


Fig.24-1 MS spectrum of of compound 8a

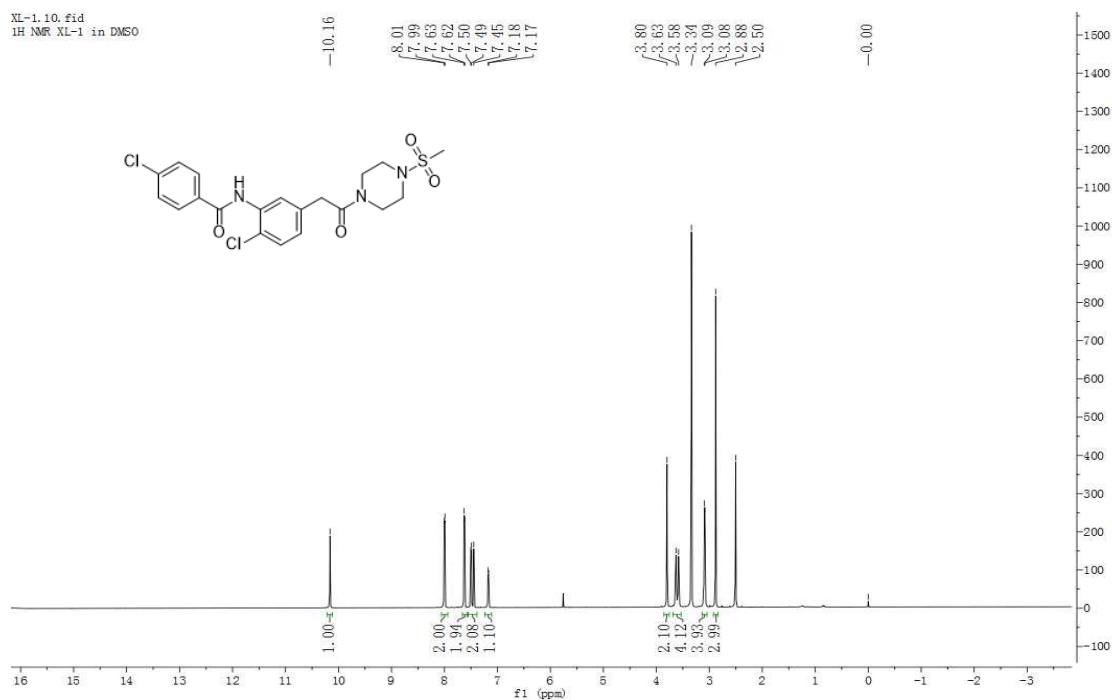


Fig.24-2 ^1H -NMR spectrum of compound **8a**

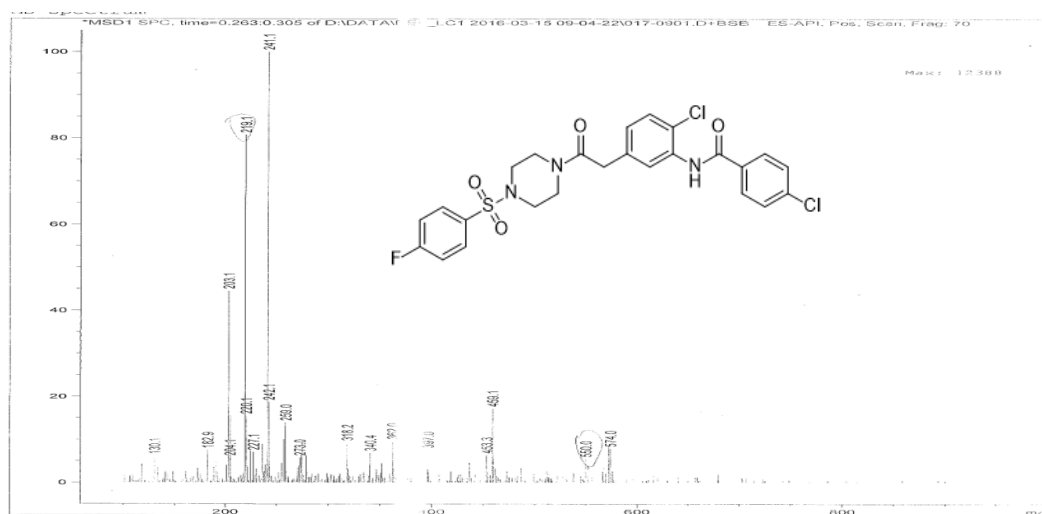


Fig.25-1 MS spectrum of compound **8b**

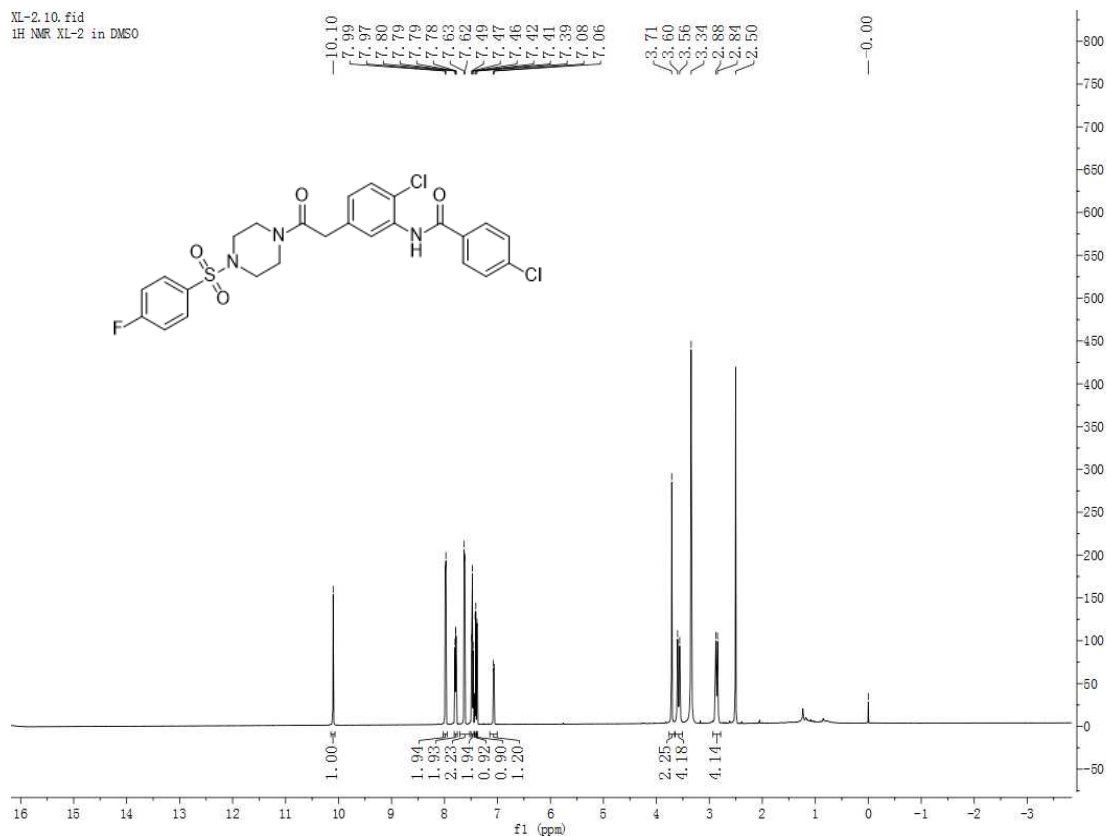


Fig.25-2 ¹H-NMR spectrum of compound 8b

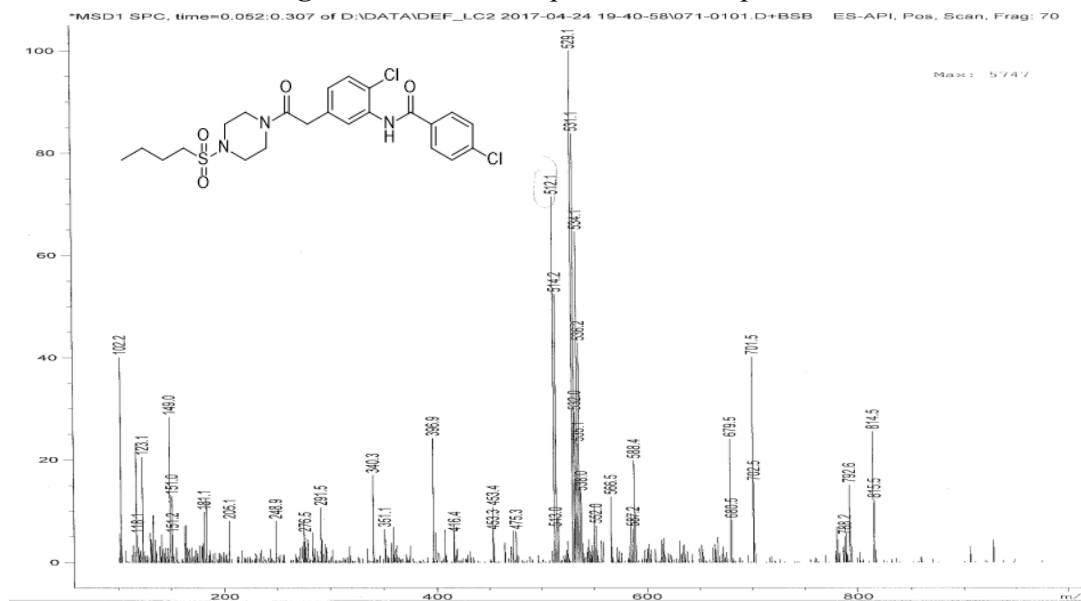


Fig.26-1 MS spectrum of compound 8c

XL-3.10.fid
¹H NMR XL-3 in DMSO

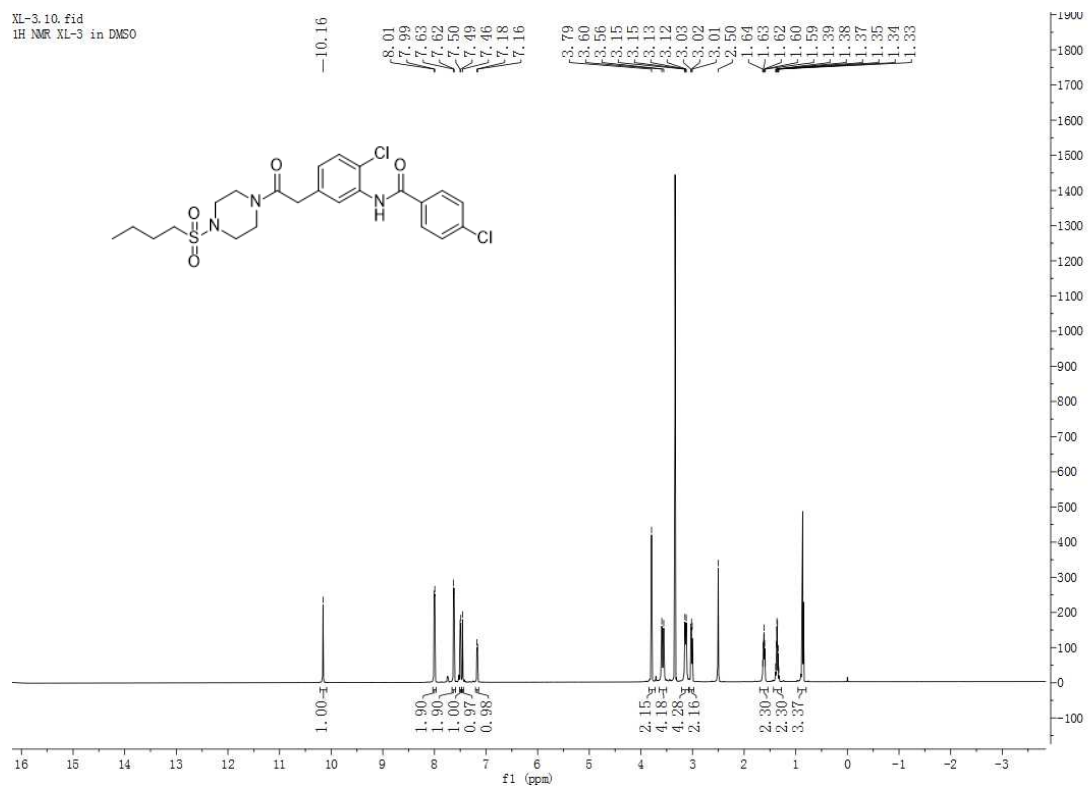


Fig.26-2 ¹H-NMR spectrum of compound 8c