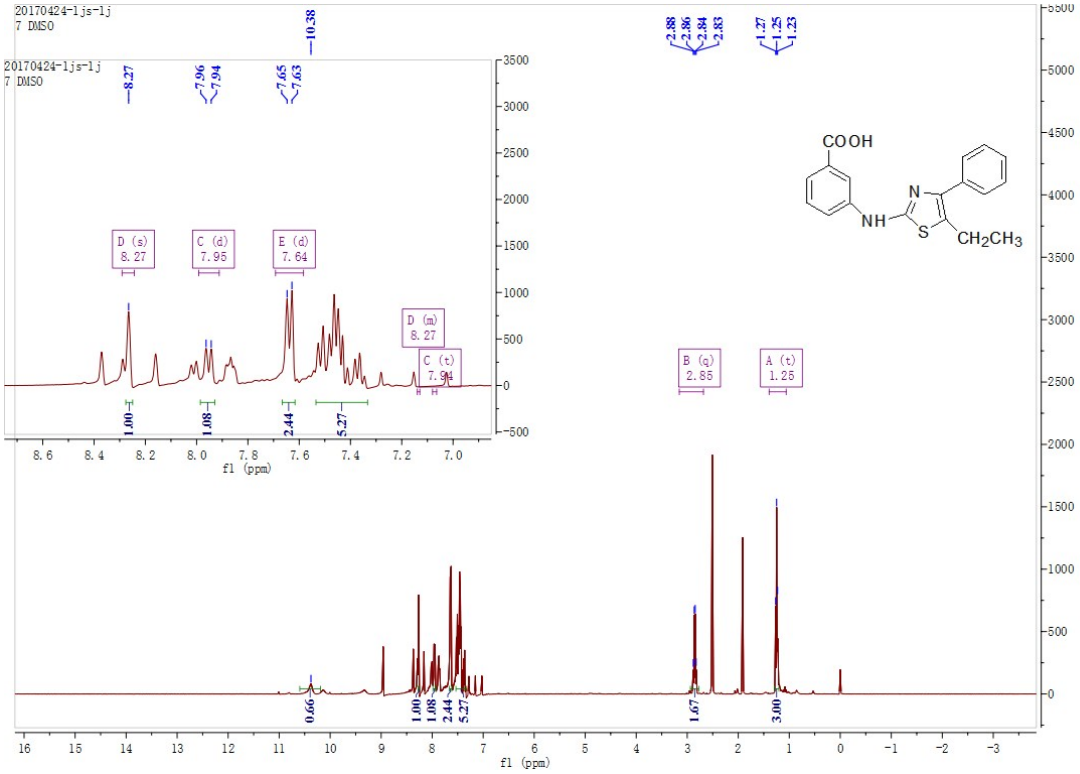
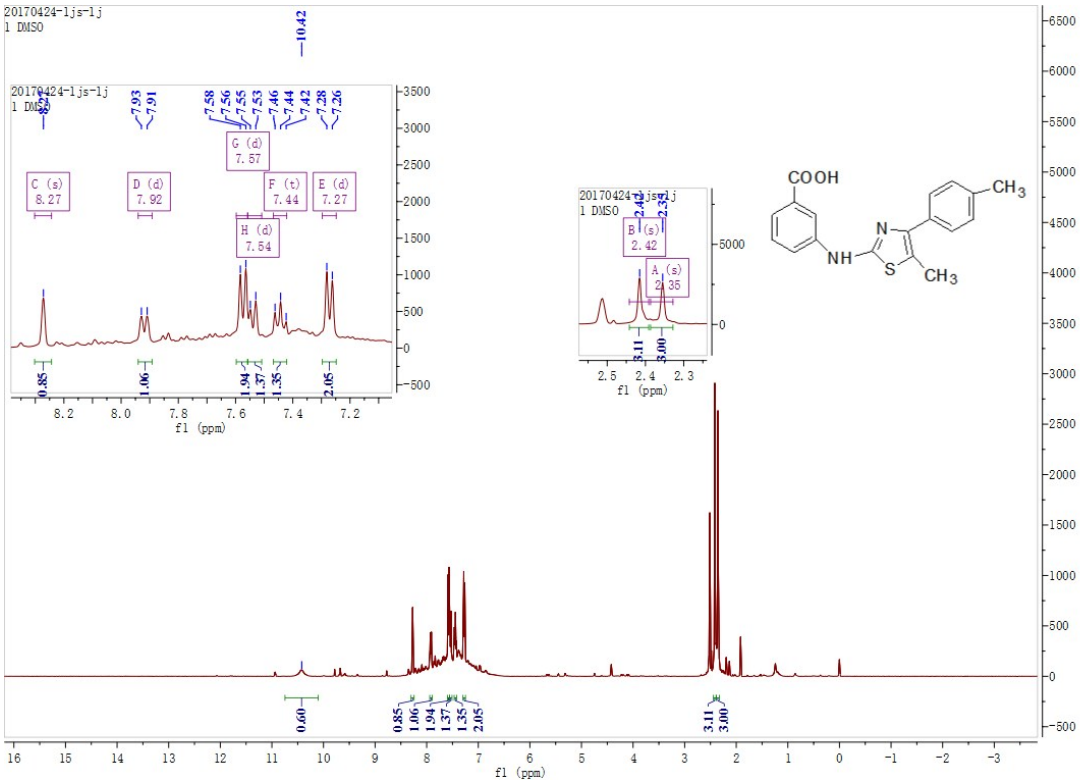
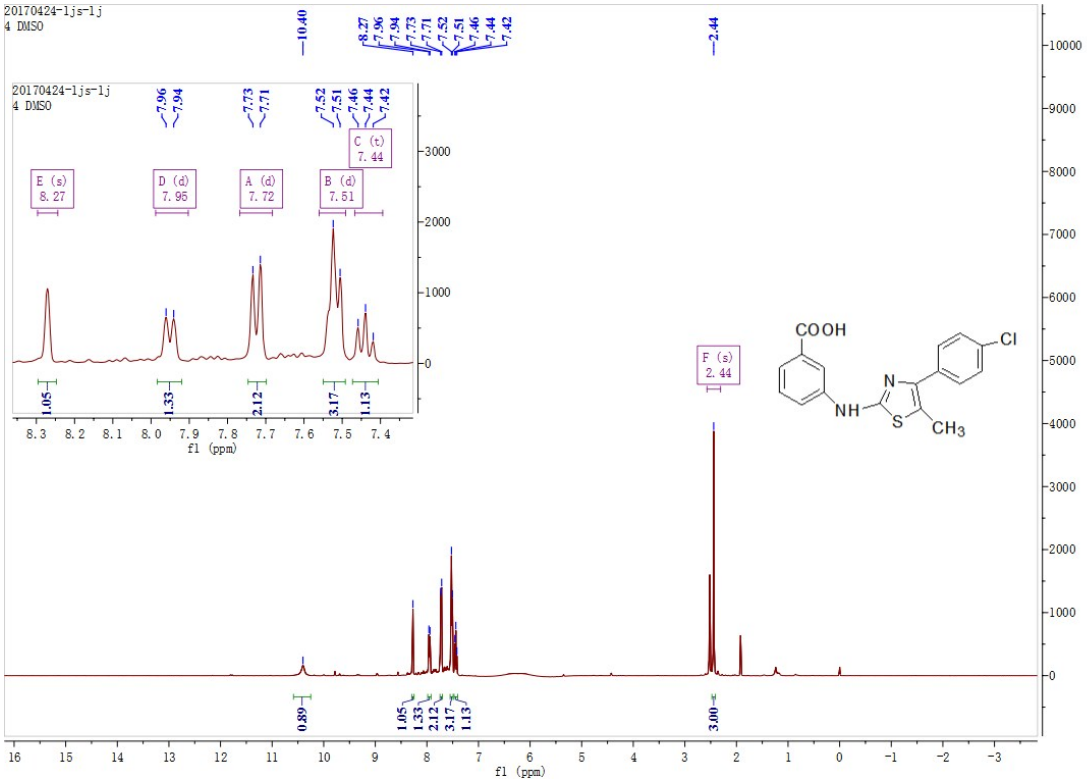
2a



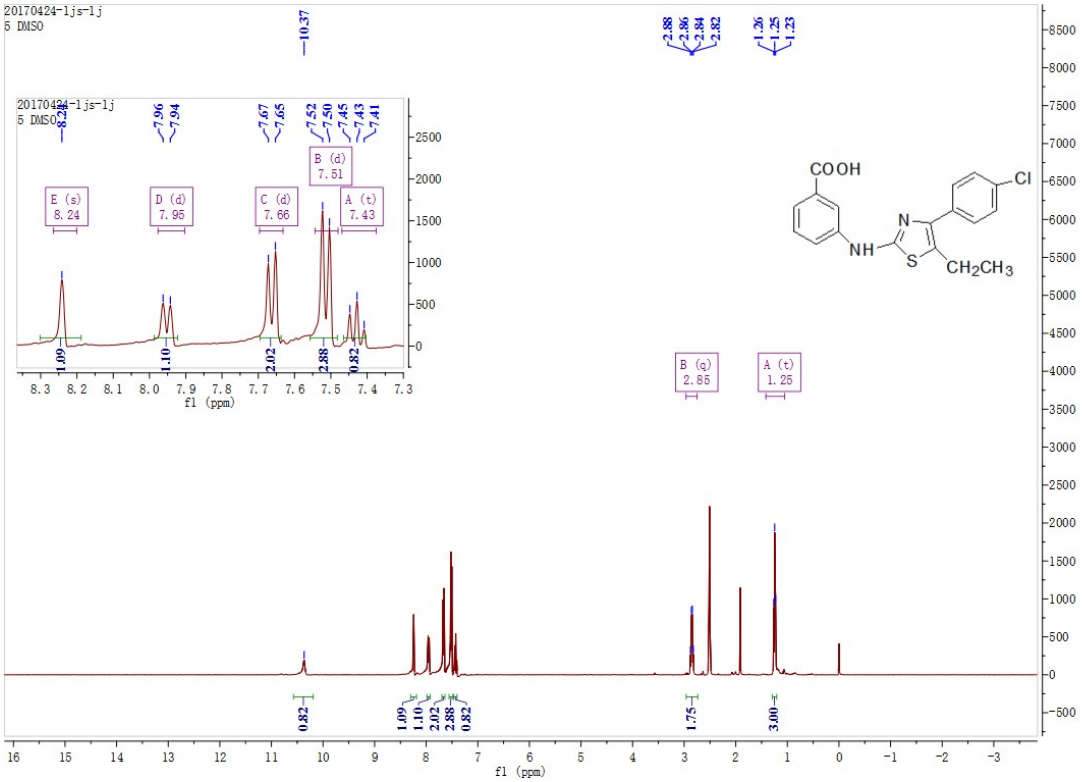
2b



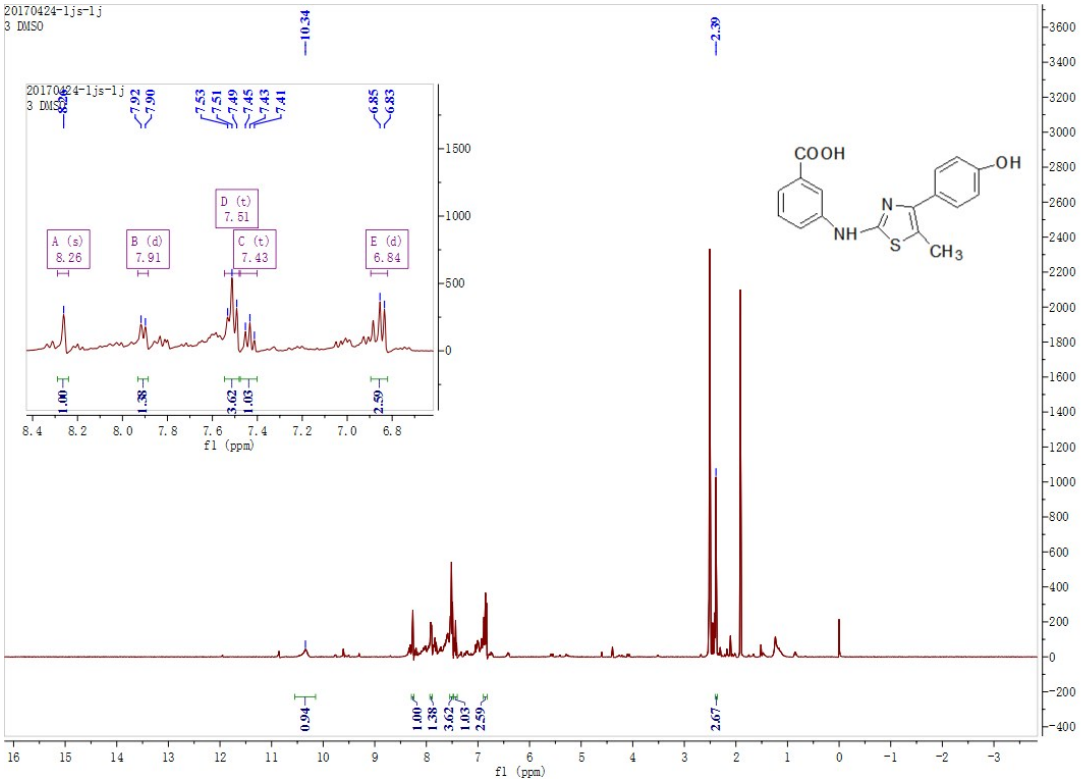
2c


20170424-1js-1j
4 DMSO
10.40
8.27
7.96
7.94
7.73
7.71
7.52
7.51
7.46
7.44
7.42
2.44
E (s) 8.27
D (d) 7.95
A (d) 7.72
B (d) 7.51
C (t) 7.44
F (s) 2.44
1.05
1.33
2.12
3.17
1.13
0.89
3.00
COOH
NH
N
S
CH3
Cl
f1 (ppm)

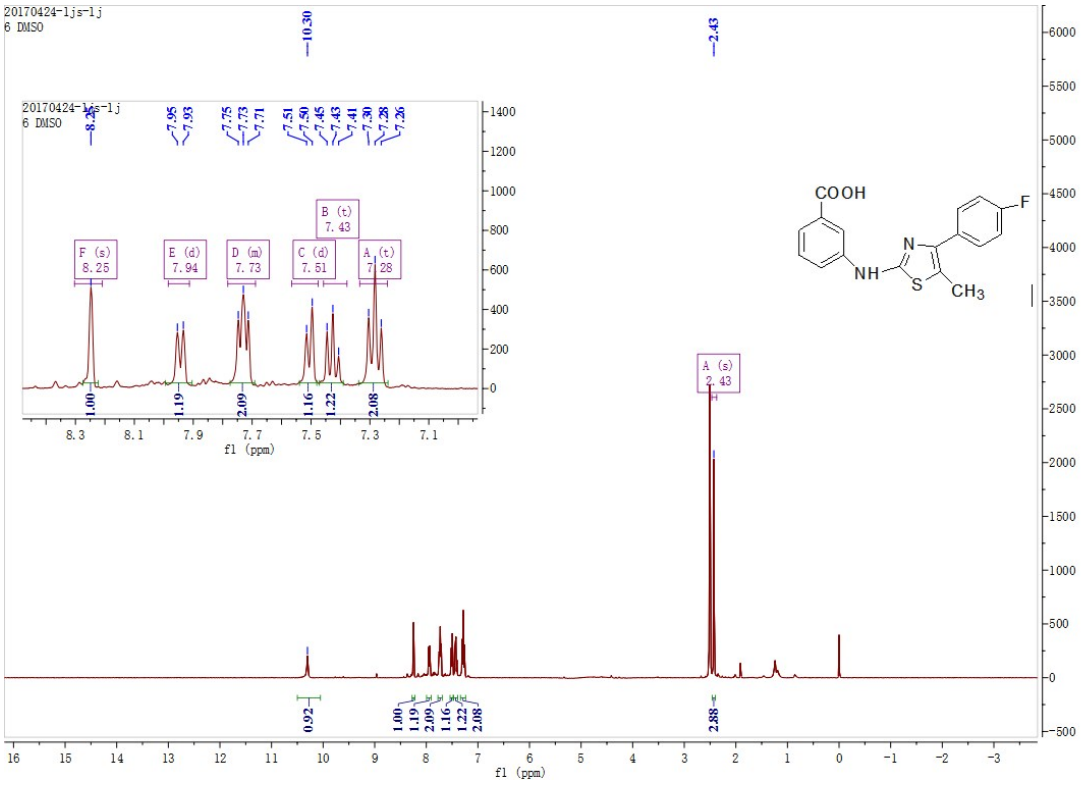
2d


20170424-ljs-lj
5 DMSO
10.37
2.88
2.86
2.84
2.82
1.26
1.25
1.23
8.24
7.96
7.94
7.67
7.65
7.52
7.50
7.45
7.43
7.41
E (s)
8.24
D (d)
7.95
C (d)
7.66
B (d)
7.51
A (t)
7.43
B (q)
2.85
A (t)
1.25
COOH
NH
N
S
Cl
CH2CH3
f1 (ppm)

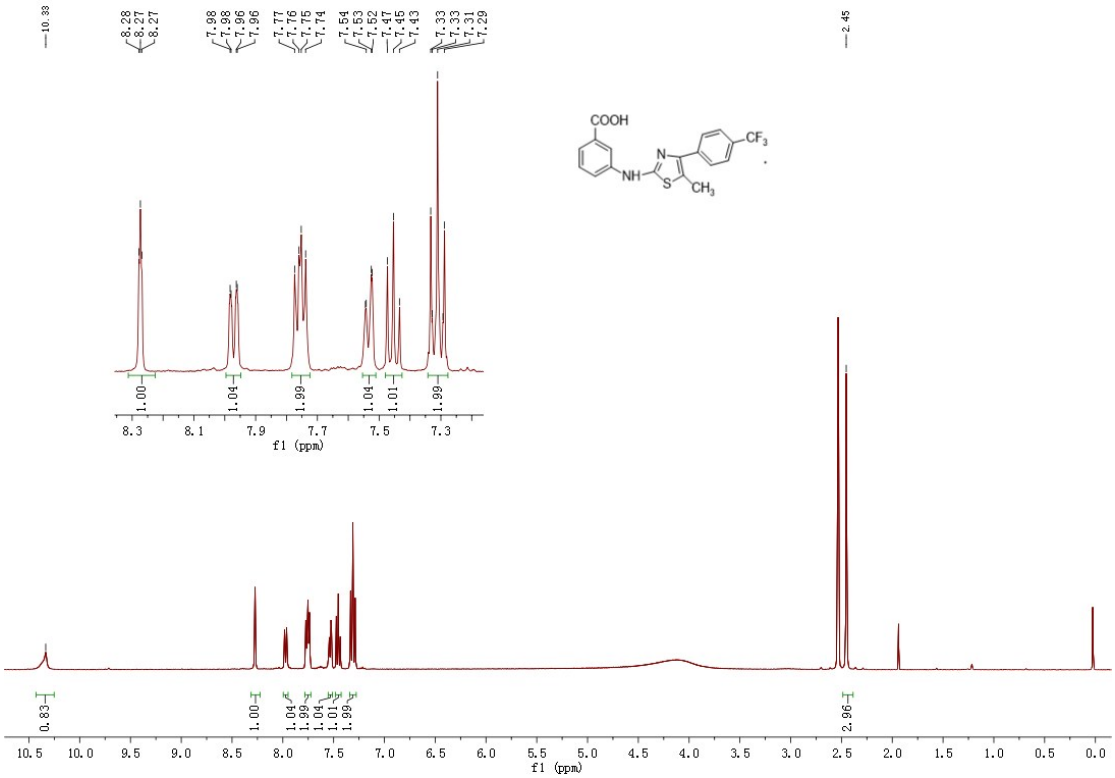
2e


20170424-ljs-lj
3 DMSO
10.34
2.39
8.26
7.92
7.90
7.53
7.51
7.49
7.45
7.43
7.41
6.85
6.83
A (s)
8.26
B (d)
7.91
D (t)
7.51
C (t)
7.43
E (d)
6.84
COOH
NH
N
S
OH
CH3
f1 (ppm)

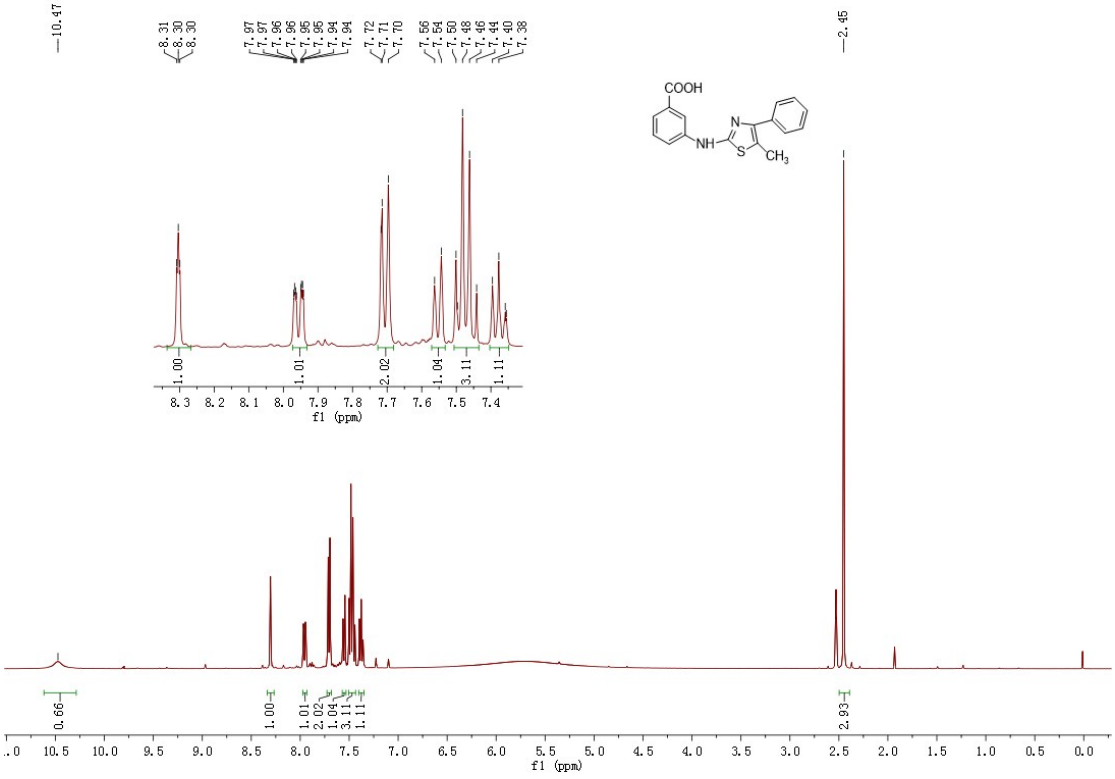
2f


20170424-ljs-lj
6 DMSO
10.30
2.43
F (s) 8.25
E (d) 7.94
D (m) 7.73
C (d) 7.51
B (t) 7.43
A (t) 7.28
A (s) 2.43
COOH
NH
N
S
CH3
F
f1 (ppm)

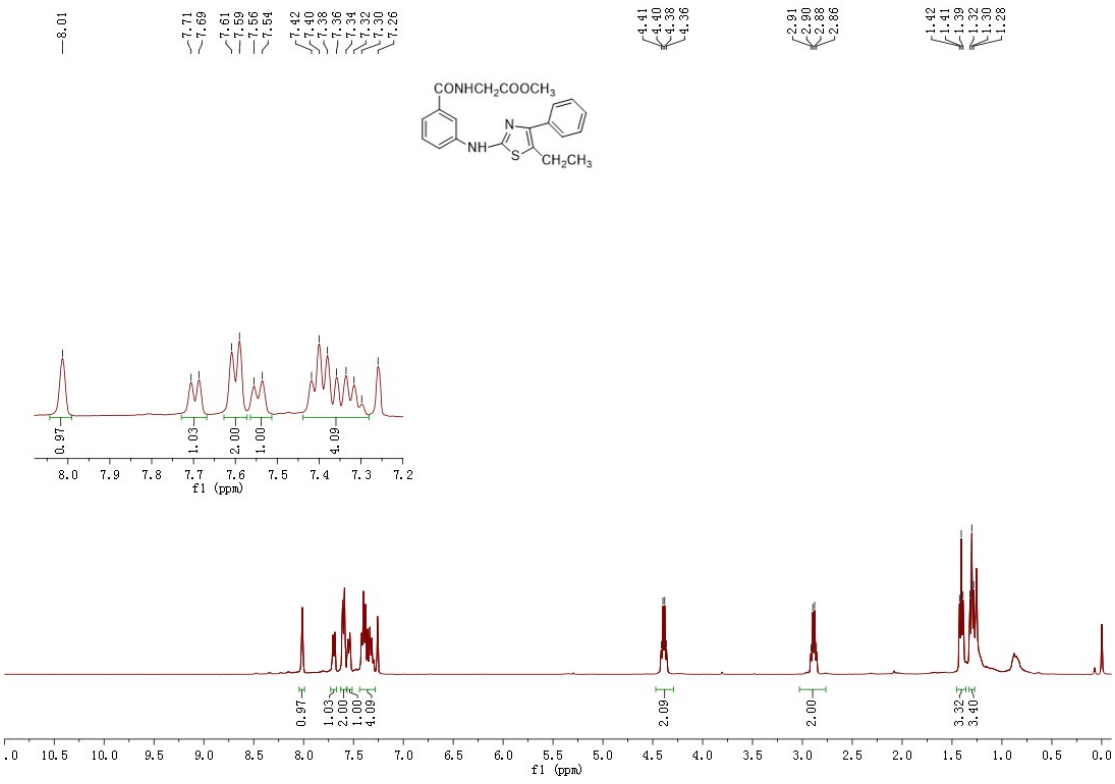
2g


10.33
8.28
8.27
8.27
7.98
7.98
7.96
7.96
7.77
7.76
7.75
7.74
7.54
7.53
7.52
7.47
7.45
7.43
7.33
7.33
7.31
7.29
2.45
COOH
NH
N
S
CH3
CF3
1.00
1.04
1.99
1.04
1.01
1.99
8.3
8.1
7.9
7.7
7.5
7.3
f1 (ppm)
0.83
1.00
1.04
1.99
1.04
1.01
1.99
2.96
10.5
10.0
9.5
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
f1 (ppm)

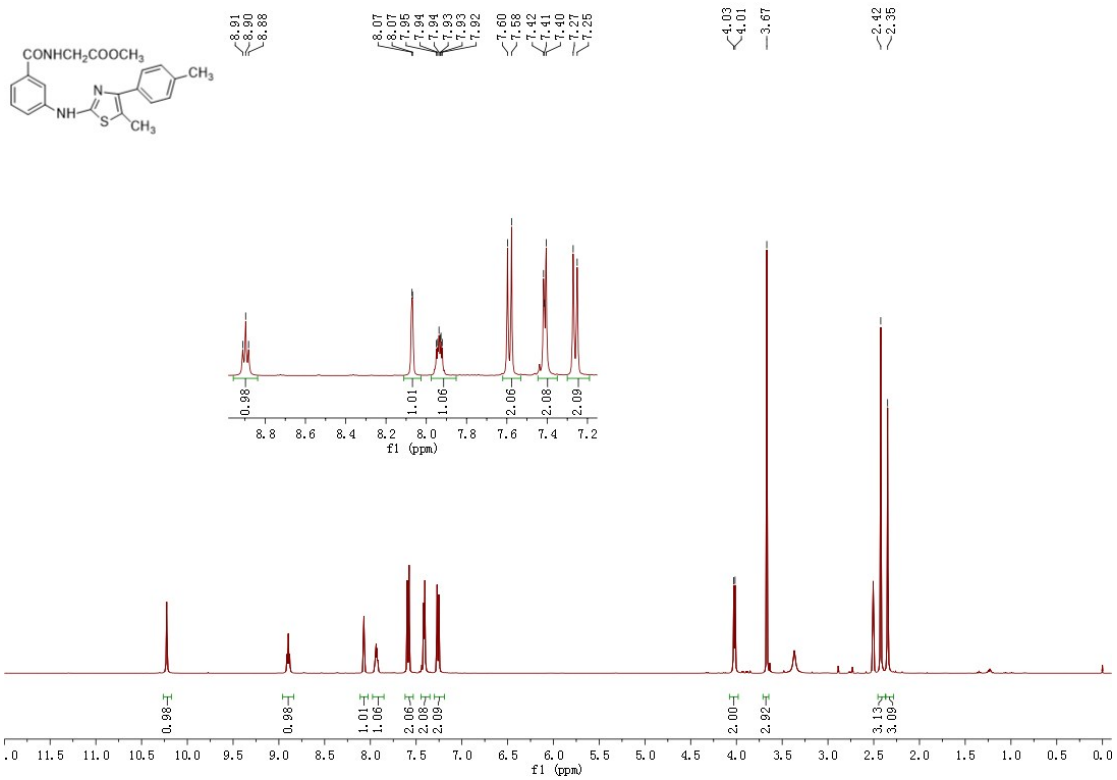
2h


10.47
8.31
8.30
8.30
7.97
7.97
7.96
7.96
7.95
7.95
7.94
7.94
7.72
7.71
7.70
7.56
7.54
7.50
7.48
7.46
7.44
7.40
7.38
2.45
COOH
NH
N
S
CH3
1.00
1.01
2.02
1.04
3.11
1.11
8.3
8.2
8.1
8.0
7.9
7.8
7.7
7.6
7.5
7.4
f1 (ppm)
0.66
1.00
1.01
2.02
1.04
3.11
1.11
2.93
10.5
10.0
9.5
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
f1 (ppm)

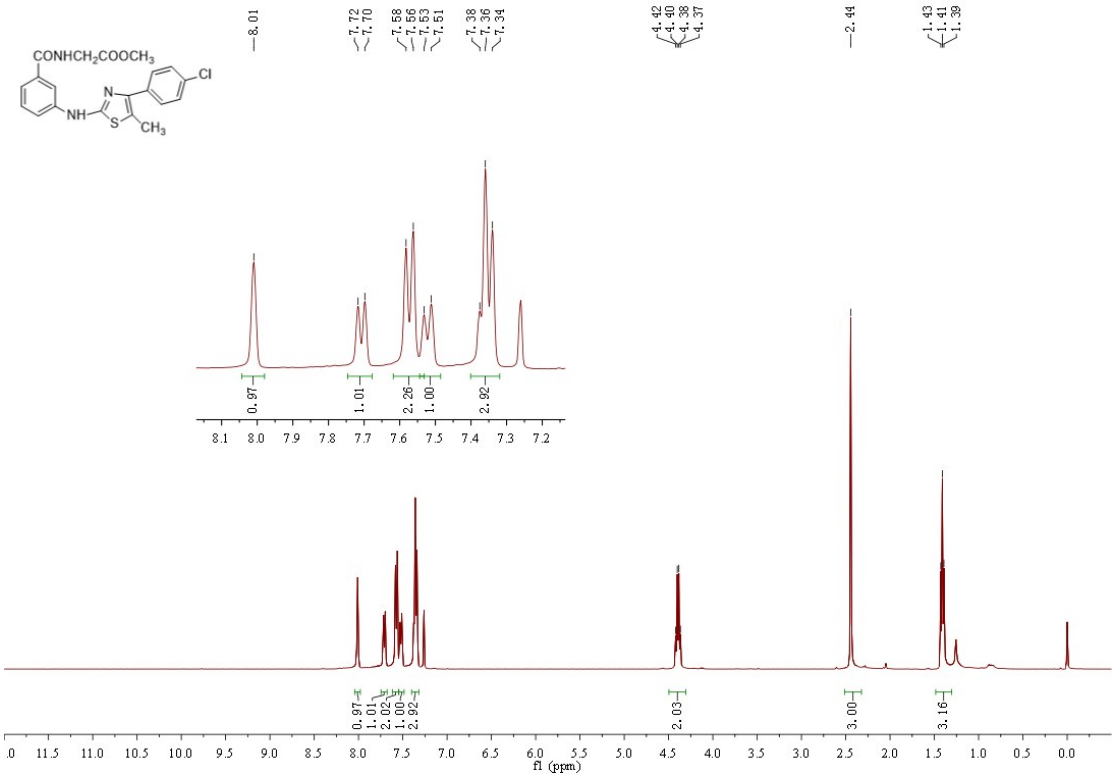
3a


8.01
7.71
7.69
7.61
7.59
7.56
7.54
7.42
7.40
7.38
7.36
7.34
7.32
7.30
7.28
4.41
4.40
4.38
4.36
2.91
2.90
2.88
2.86
1.42
1.41
1.39
1.32
1.30
1.28
CONHCH2COOCH3
NH
N
S
CH2CH3
0.97
1.03
2.00
1.00
4.09
f1 (ppm)
0.97
1.03
2.00
1.00
4.09
2.09
2.00
3.32
3.40
f1 (ppm)

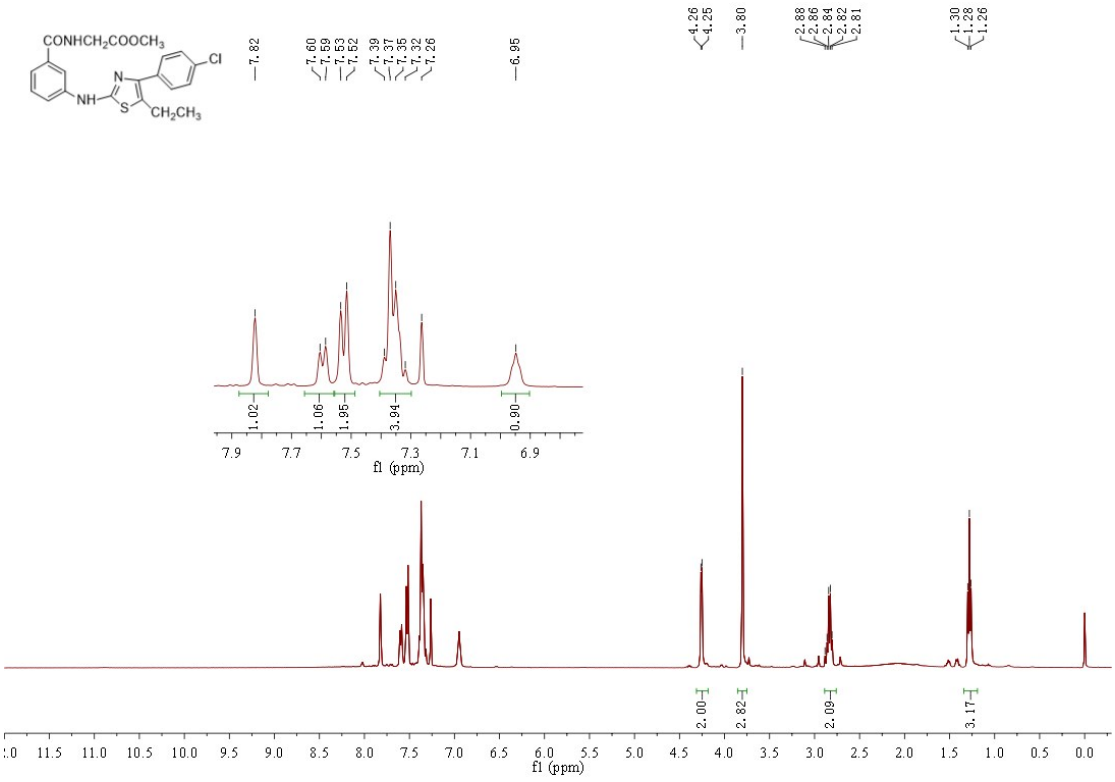
3b


CONHCH2COOCH3
CH3
NH
N
S
CH3
8.91
8.90
8.88
8.07
8.07
7.96
7.94
7.94
7.93
7.93
7.92
7.60
7.58
7.42
7.41
7.40
7.27
7.25
4.03
4.01
3.67
2.42
2.35
0.98
1.01
1.06
2.06
2.08
2.09
f1 (ppm)
0.98
0.98
1.01
1.06
2.06
2.08
2.09
2.00
2.92
3.13
3.09
f1 (ppm)

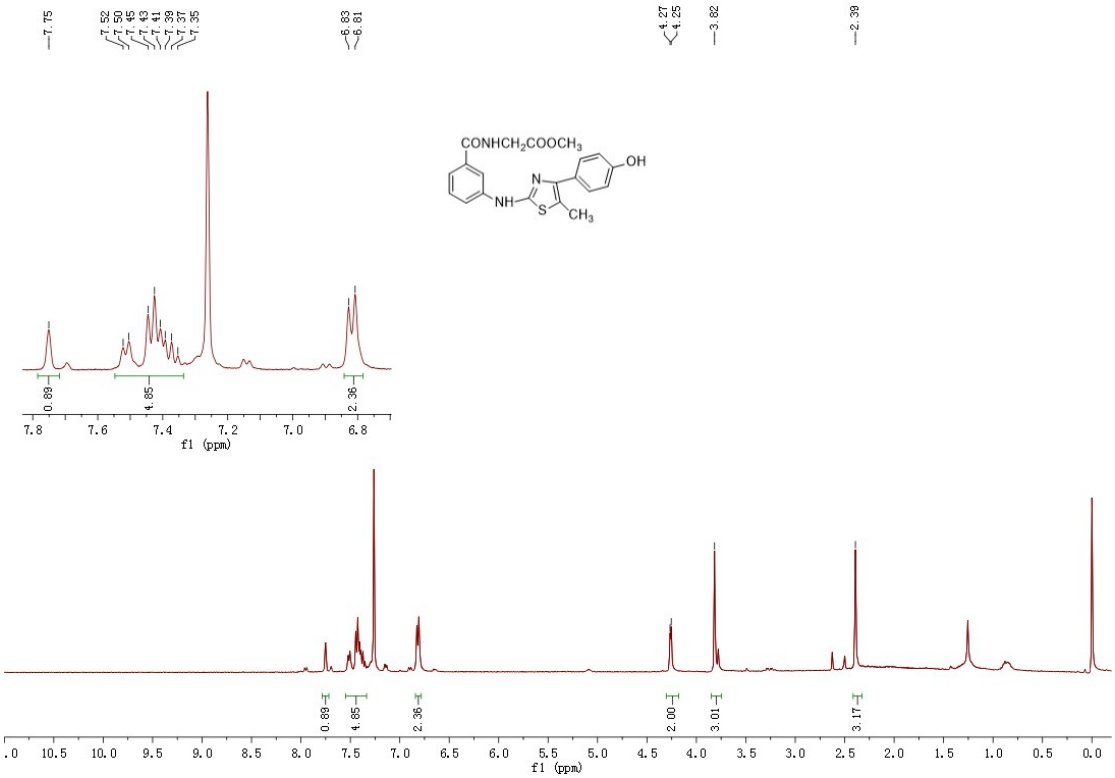
3c


CONHCH2COOCH3
Cl
NH
N
S
CH3
8.01
7.72
7.70
7.58
7.56
7.53
7.51
7.38
7.36
7.34
4.42
4.40
4.38
4.37
2.44
1.43
1.41
1.39
0.97
1.01
2.26
1.00
2.92
f1 (ppm)
0.97
1.01
2.02
1.00
2.92
2.03
3.00
3.16
f1 (ppm)

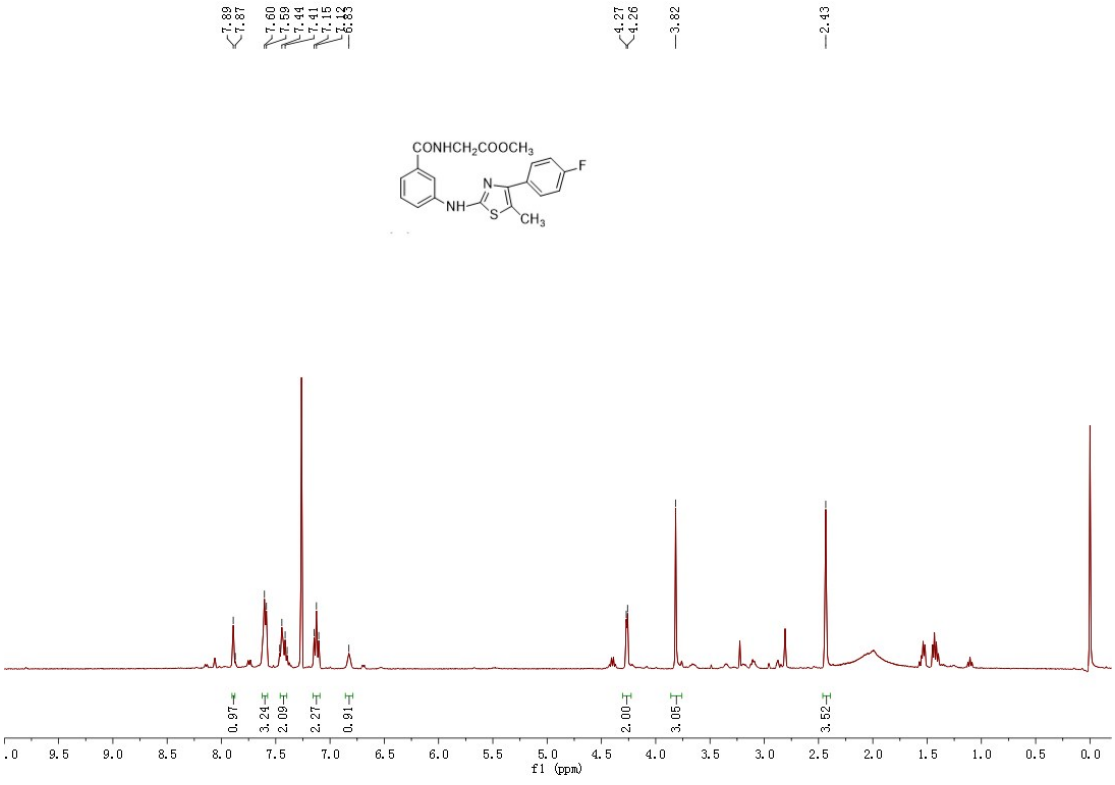
3d


CONHCH2COOCH3
Cl
N
NH
S
CH2CH3
7.82
7.60
7.59
7.53
7.52
7.39
7.37
7.35
7.32
7.26
6.95
4.26
4.25
3.80
2.88
2.86
2.84
2.82
2.81
1.30
1.28
1.26
1.02
1.06
1.95
3.94
0.90
f1 (ppm)
2.00
2.82
2.09
3.17
f1 (ppm)

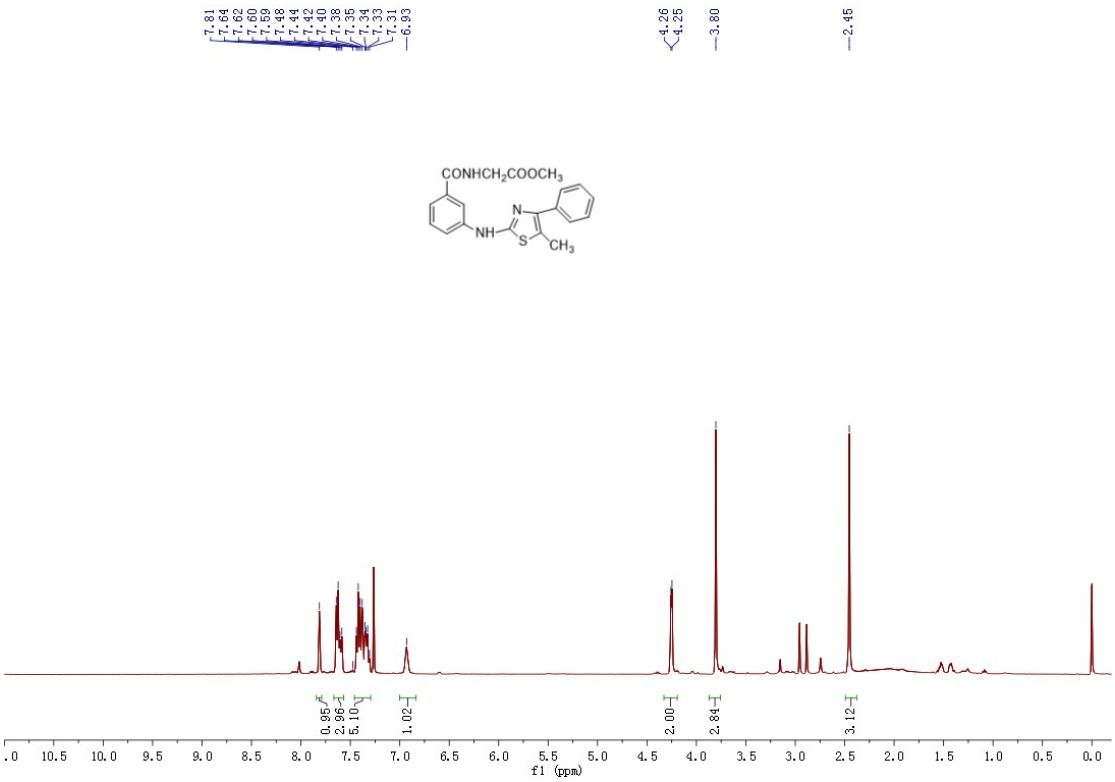
3e


7.75
7.52
7.50
7.45
7.43
7.41
7.38
7.37
7.35
6.83
6.81
4.27
4.25
3.82
2.39
CONHCH2COOCH3
OH
N
NH
S
CH3
0.89
4.85
2.36
f1 (ppm)
0.89
4.85
2.36
2.00
3.01
3.17
f1 (ppm)

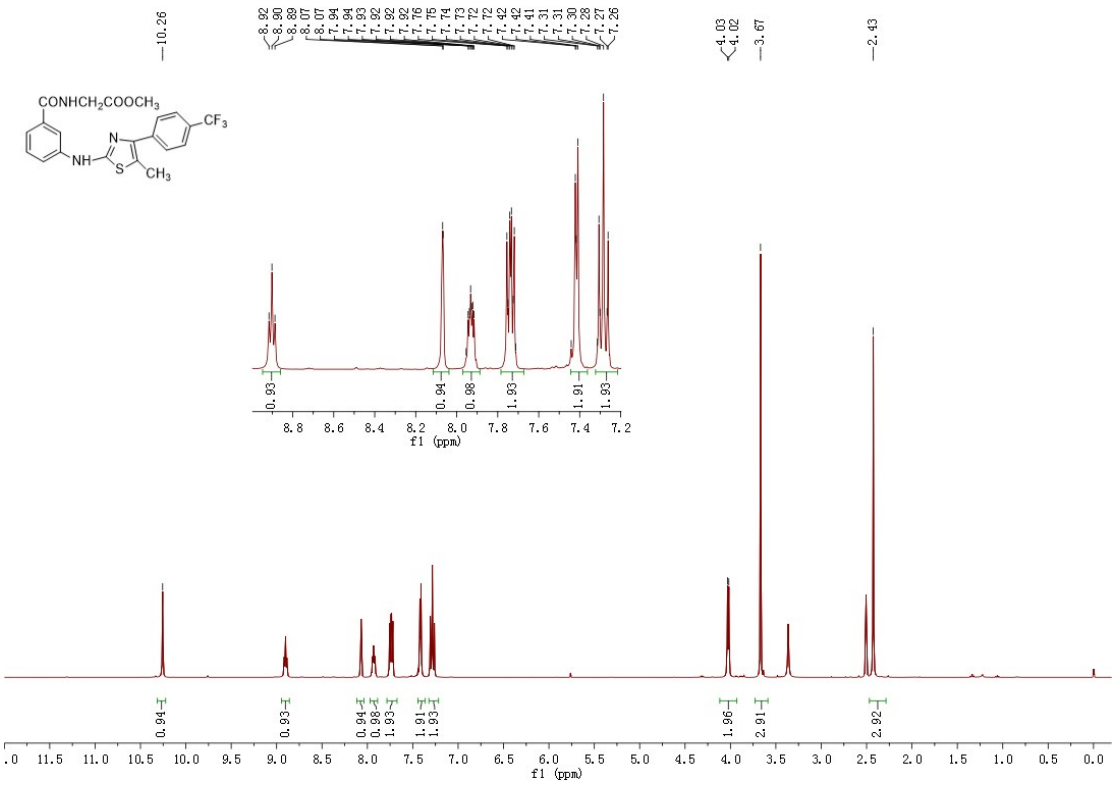
3f


7.89
7.87
7.60
7.59
7.44
7.41
7.15
6.83
4.27
4.26
3.82
2.43
CONHCH2COOCH3
F
N
NH
S
CH3
0.97
3.24
2.09
2.27
0.91
2.00
3.05
3.52
f1 (ppm)

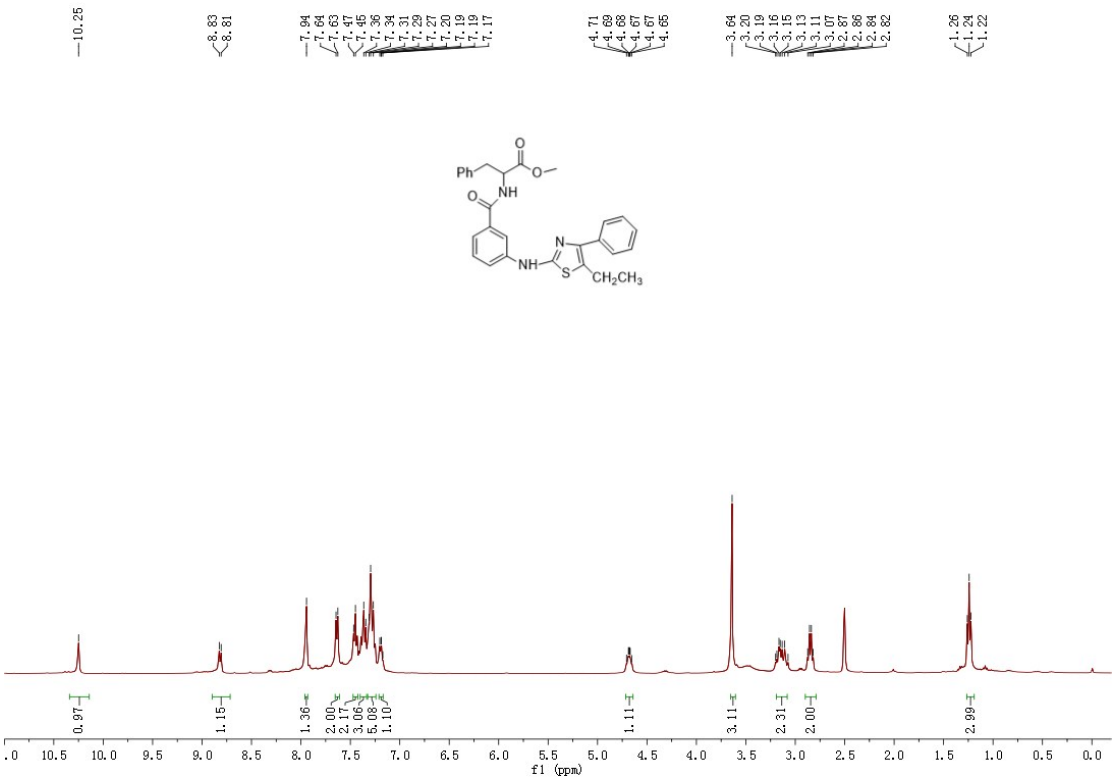
3g


7.81
7.64
7.62
7.60
7.59
7.48
7.44
7.42
7.40
7.38
7.35
7.34
7.33
7.31
6.93
4.26
4.25
3.80
2.45
CONHCH2COOCH3
NH
N
S
CH3
0.95
2.96
5.10
1.02
2.00
2.84
3.12
f1 (ppm)

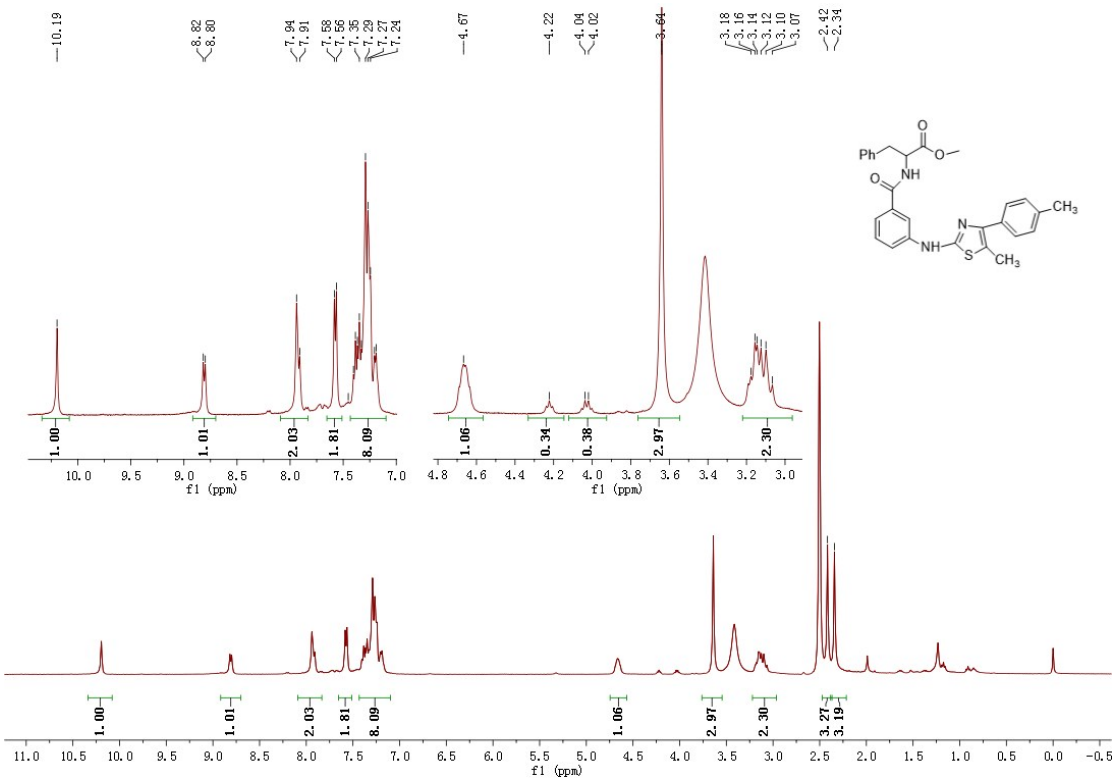
3h



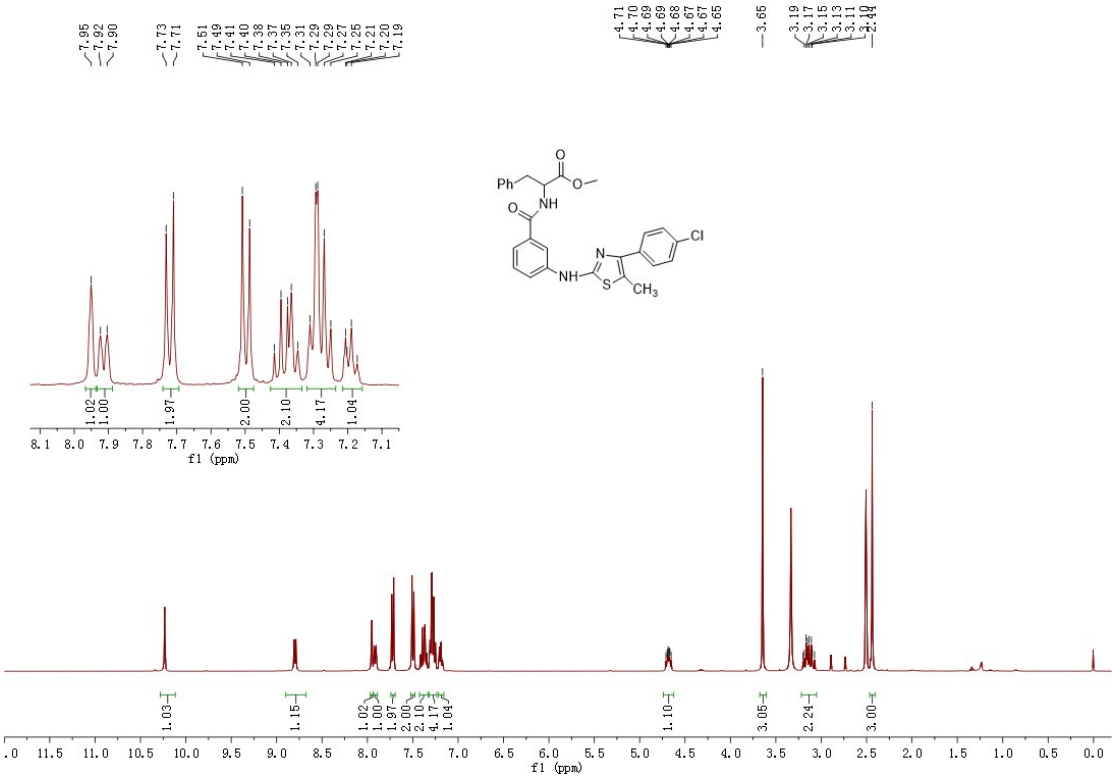
3i



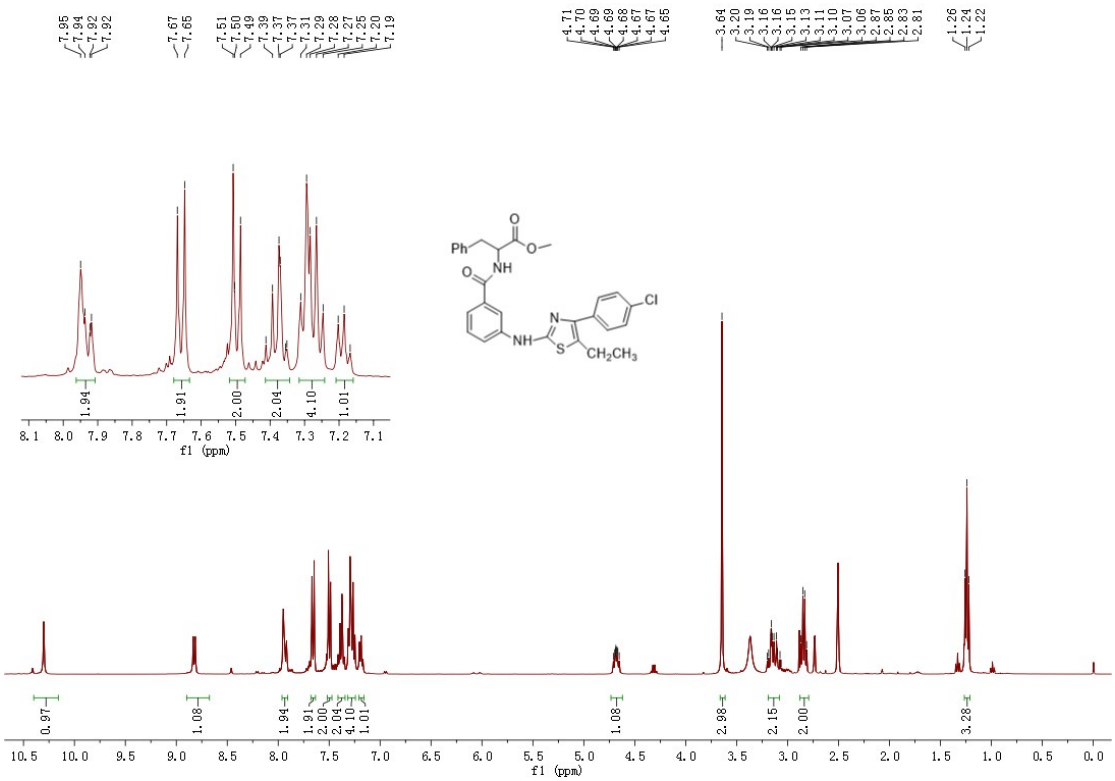
3j


10.19
8.82
8.80
7.94
7.91
7.88
7.86
7.35
7.29
7.27
7.24
4.67
4.22
4.04
4.02
3.64
3.18
3.16
3.14
3.12
3.10
3.07
2.42
2.34
Ph
O
O
NH
O
NH
N
S
CH3
CH3
1.00
1.01
2.03
1.81
8.09
1.06
0.34
0.38
2.97
2.30
3.27
3.19
f1 (ppm)

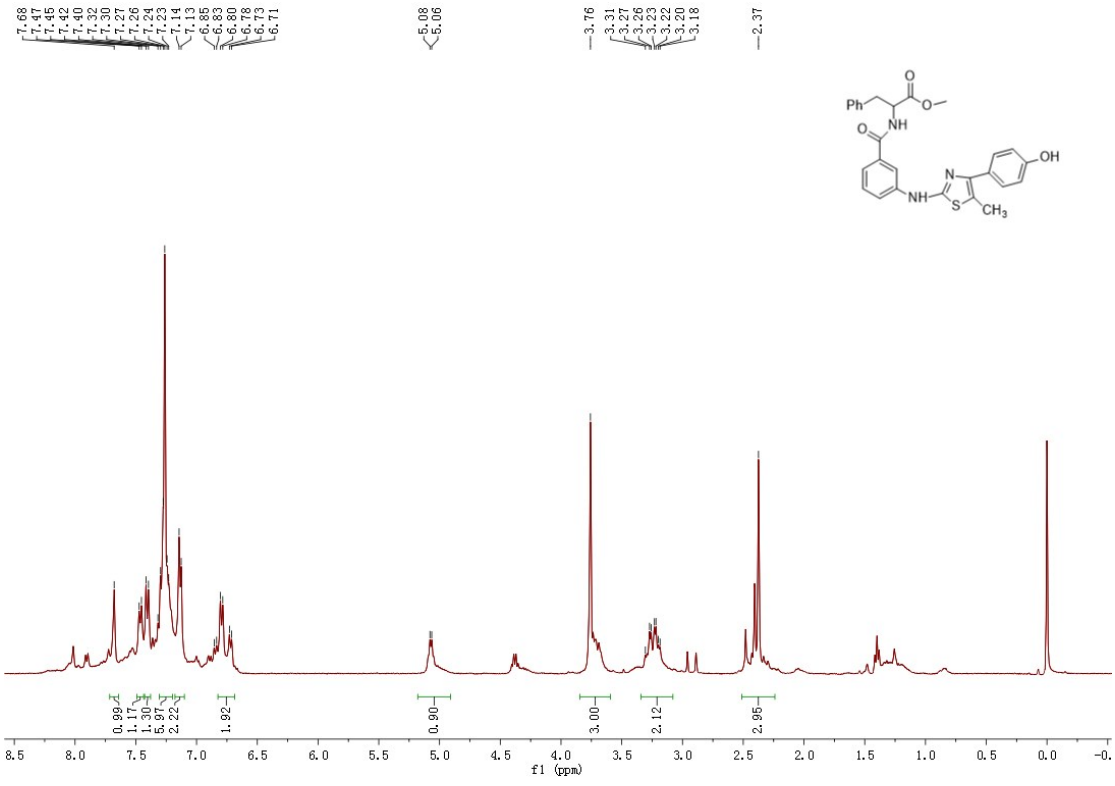
3k



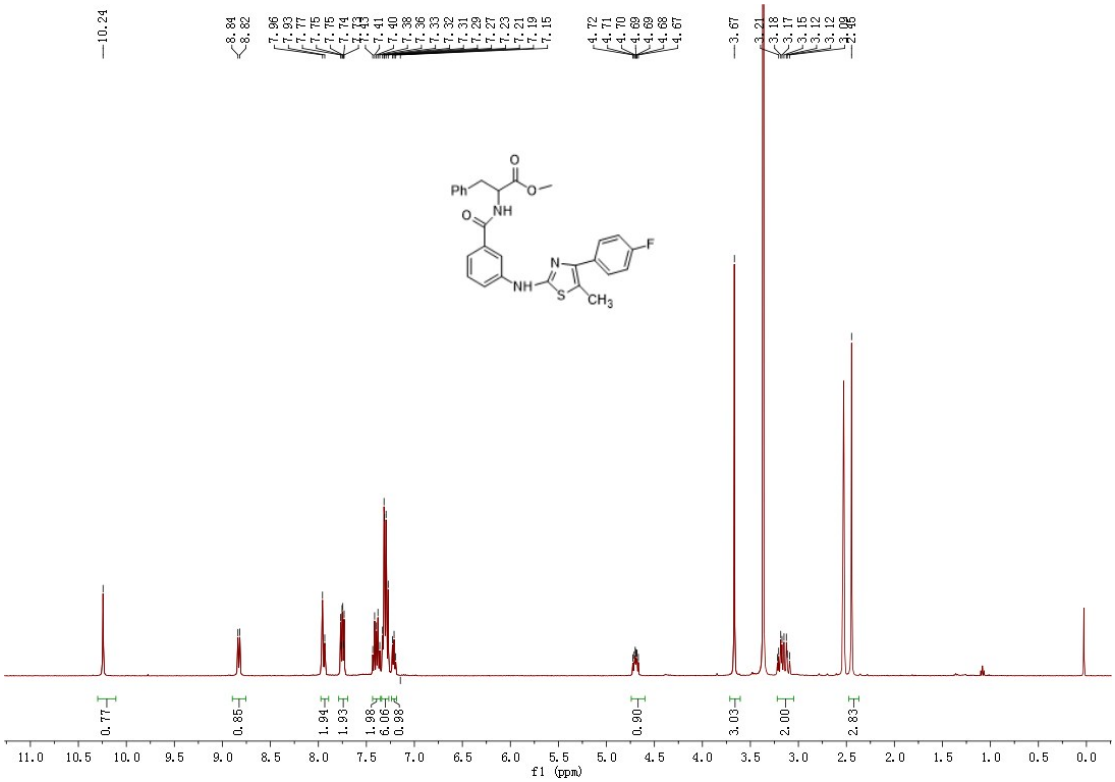
3l



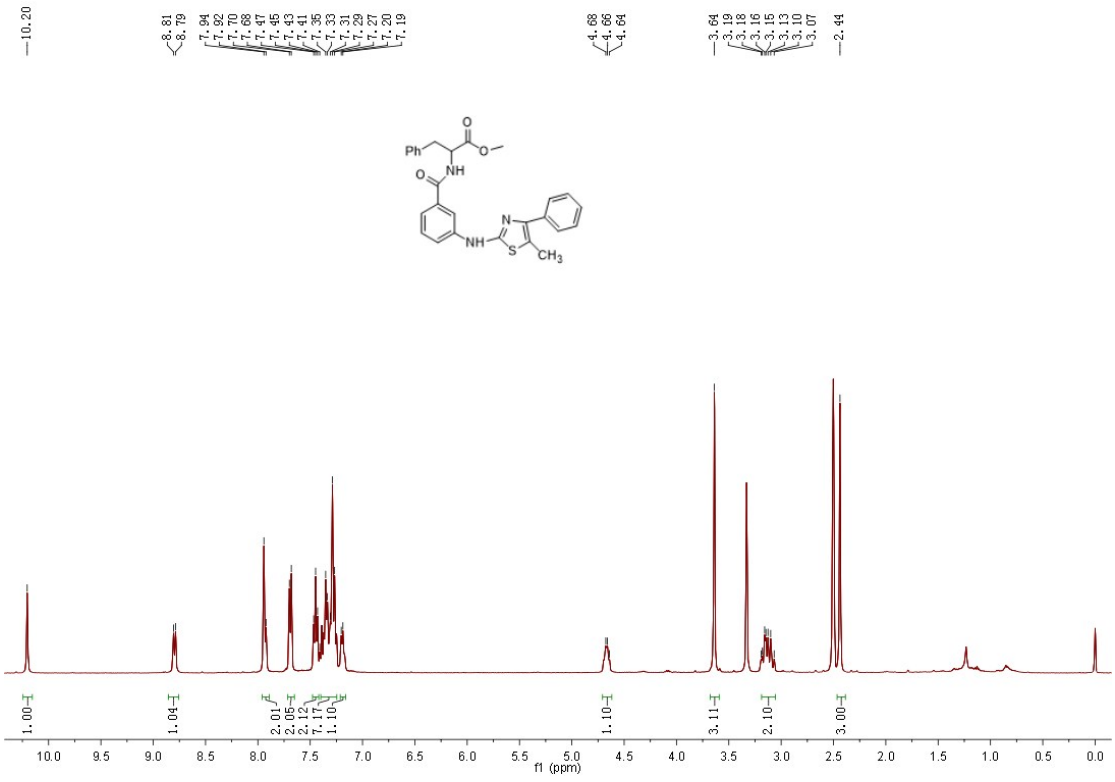
3m


7.68
7.47
7.45
7.42
7.40
7.32
7.30
7.27
7.26
7.24
7.23
7.14
7.13
6.85
6.83
6.80
6.78
6.73
6.71
5.08
5.06
3.76
3.31
3.27
3.26
3.23
3.22
3.20
3.18
2.37
Ph
O
O
NH
O
NH
N
S
CH3
OH
0.99
1.17
1.30
5.97
2.22
1.92
0.90
3.00
2.12
2.95
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.
f1 (ppm)

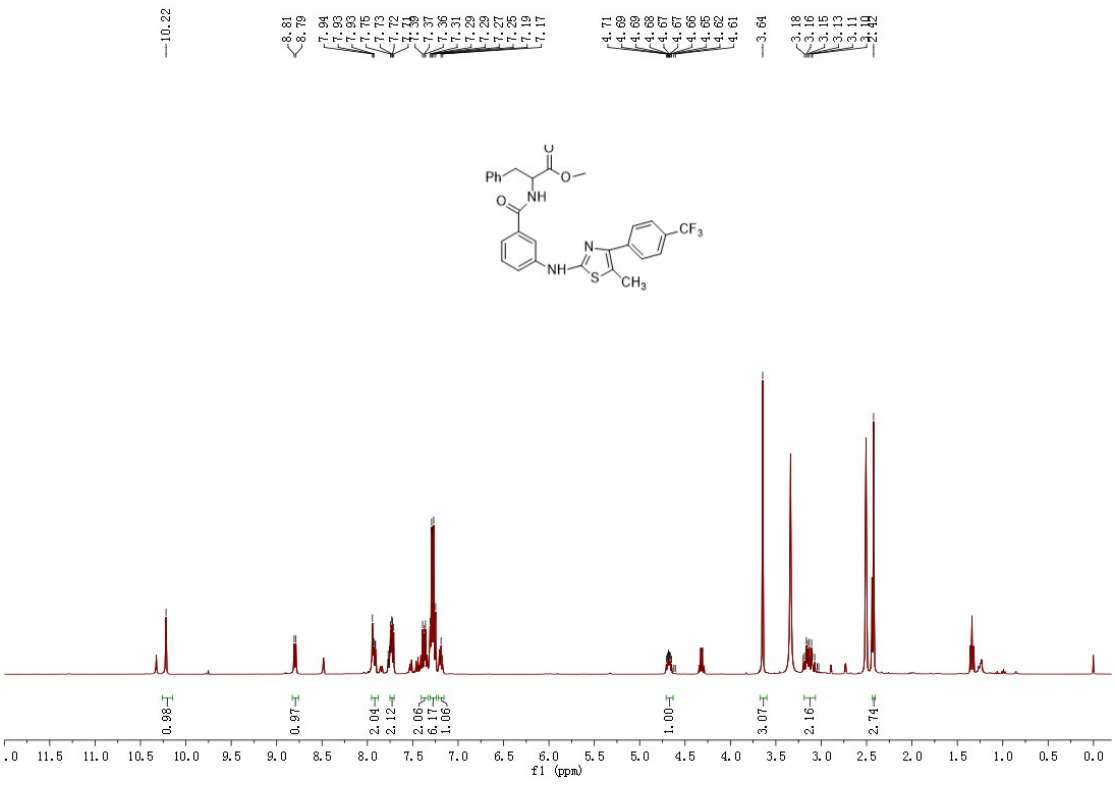
3n


10.24
8.84
8.82
7.96
7.93
7.77
7.75
7.75
7.74
7.43
7.41
7.40
7.38
7.36
7.33
7.32
7.31
7.29
7.27
7.23
7.21
7.19
7.15
4.72
4.71
4.70
4.69
4.69
4.68
4.67
3.67
3.21
3.18
3.17
3.15
3.12
3.12
2.83
2.83
Ph
O
O
NH
O
NH
N
S
CH3
F
0.77
0.85
1.94
1.93
1.98
6.06
0.98
0.90
3.03
2.00
2.83
11.0
10.5
10.0
9.5
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
f1 (ppm)

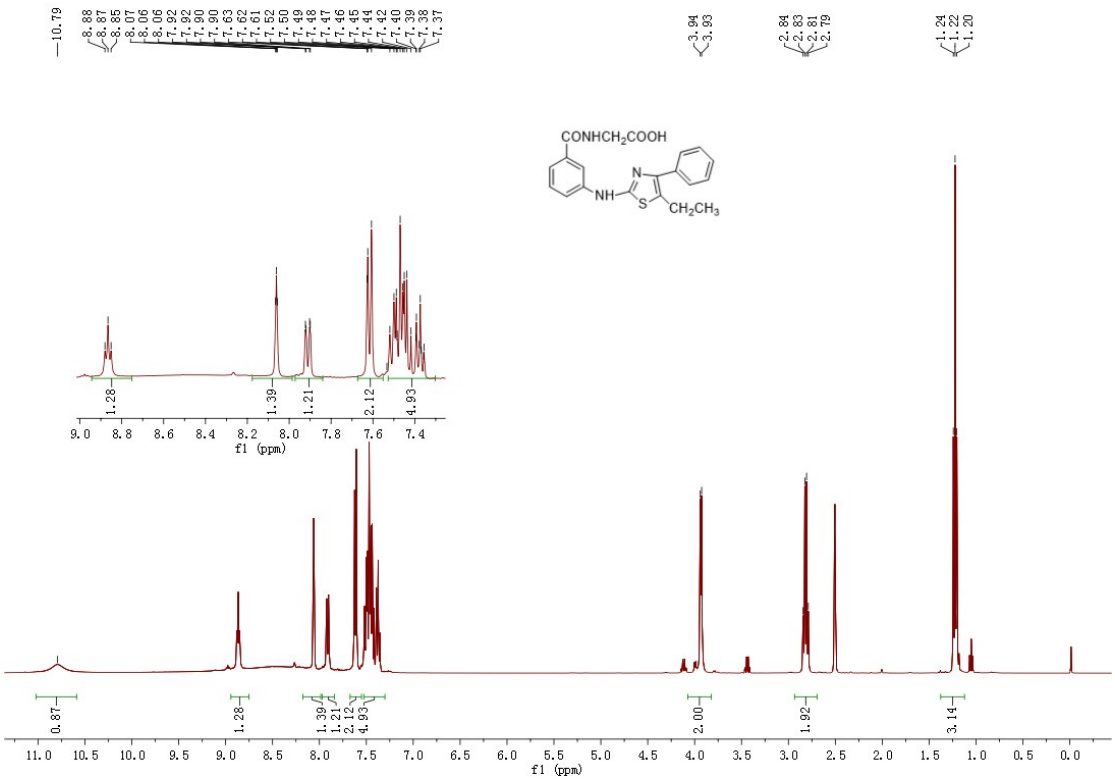
3o


10.20
8.81
8.79
7.94
7.92
7.70
7.68
7.47
7.45
7.43
7.41
7.35
7.33
7.31
7.29
7.27
7.20
7.19
4.68
4.66
4.64
3.64
3.19
3.18
3.16
3.15
3.13
3.10
3.07
2.44
Ph
O
O
NH
O
NH
N
S
CH3
1.00
1.04
2.01
2.05
2.12
7.17
1.10
1.10
3.11
2.10
3.00
10.0
9.5
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
f1 (ppm)

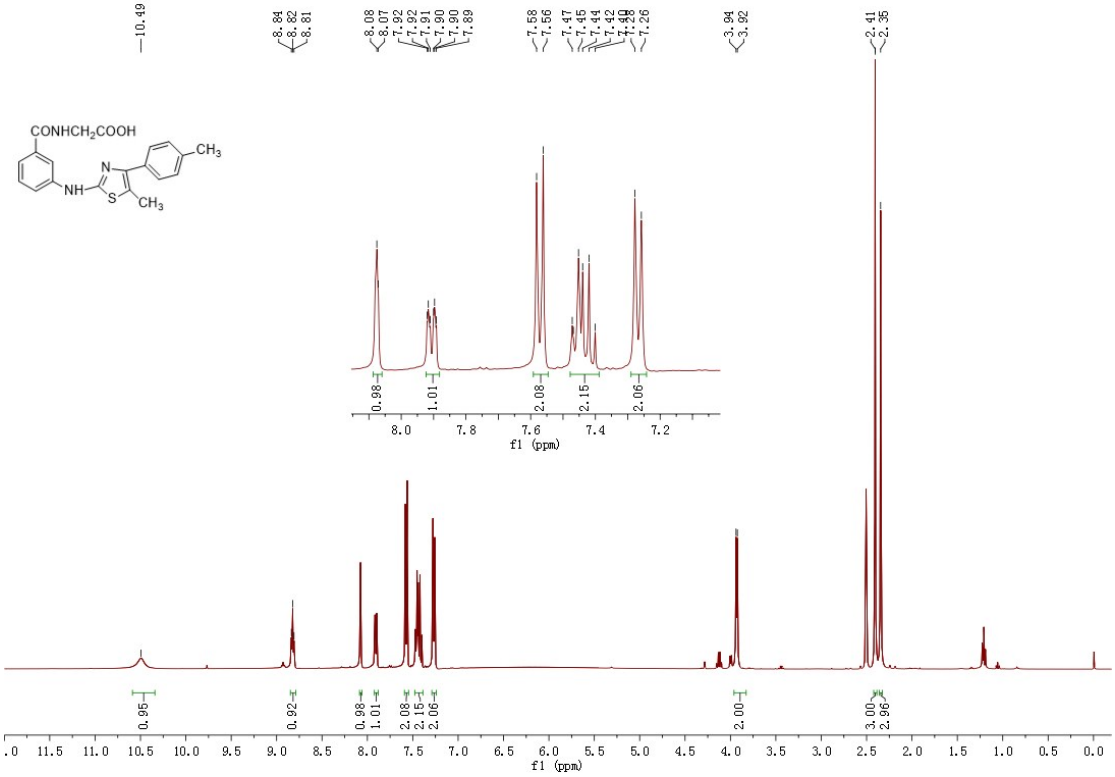
3p


10.22
8.81
8.79
7.94
7.93
7.83
7.75
7.73
7.72
7.71
7.39
7.37
7.36
7.31
7.29
7.29
7.27
7.25
7.19
7.17
4.71
4.69
4.69
4.68
4.67
4.67
4.66
4.65
4.62
4.61
3.64
3.18
3.16
3.15
3.13
3.11
2.42
Ph
NH
O
O
O
NH
N
S
CH3
CF3
0.98
0.97
2.04
2.12
2.06
6.17
1.06
1.00
3.07
2.16
2.74
f1 (ppm)

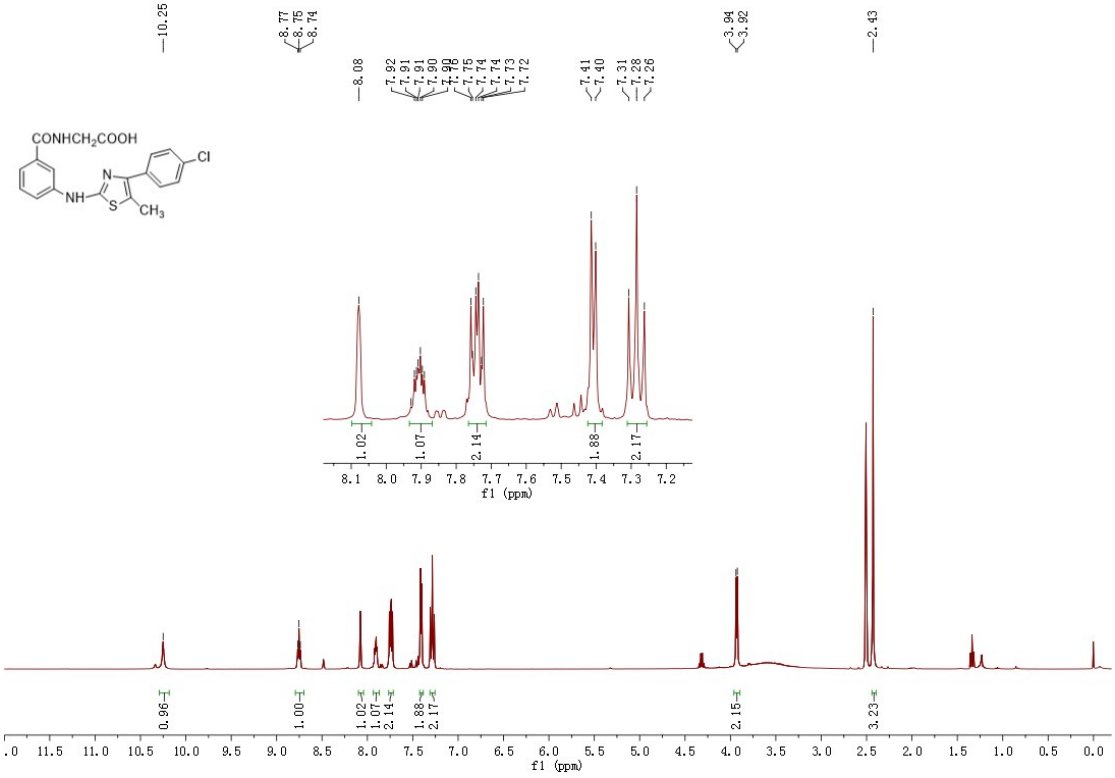
4a


CONHCH2COOH
NH
N
S
CH2CH3
f1 (ppm)

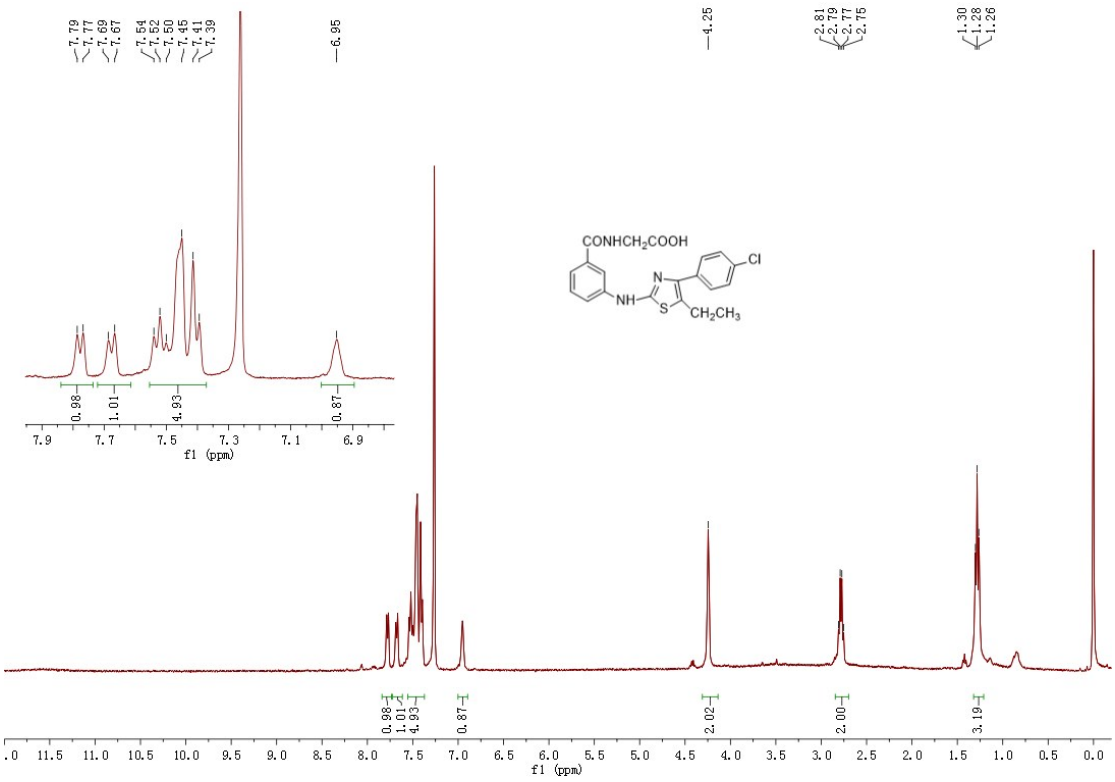
4b


CONHCH2COOH
NH
N
S
CH3
CH3
f1 (ppm)

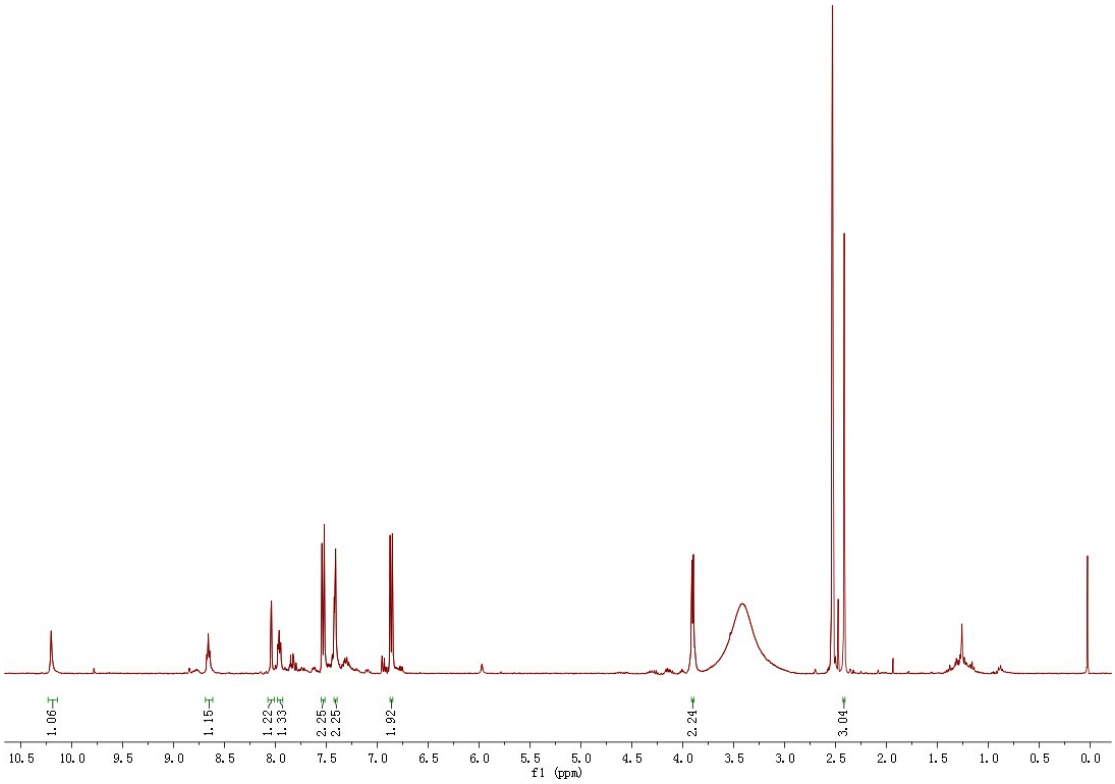
4c


10.25
8.77
8.75
8.74
8.08
7.92
7.91
7.91
7.90
7.90
7.78
7.75
7.74
7.74
7.73
7.72
7.41
7.40
7.31
7.28
7.26
3.94
3.92
2.43
CONHCH2COOH
Cl
N
NH
S
CH3
1.02
1.07
2.14
1.88
2.17
f1 (ppm)
0.96
1.00
1.02
1.07
2.14
1.88
2.17
2.15
3.23
f1 (ppm)

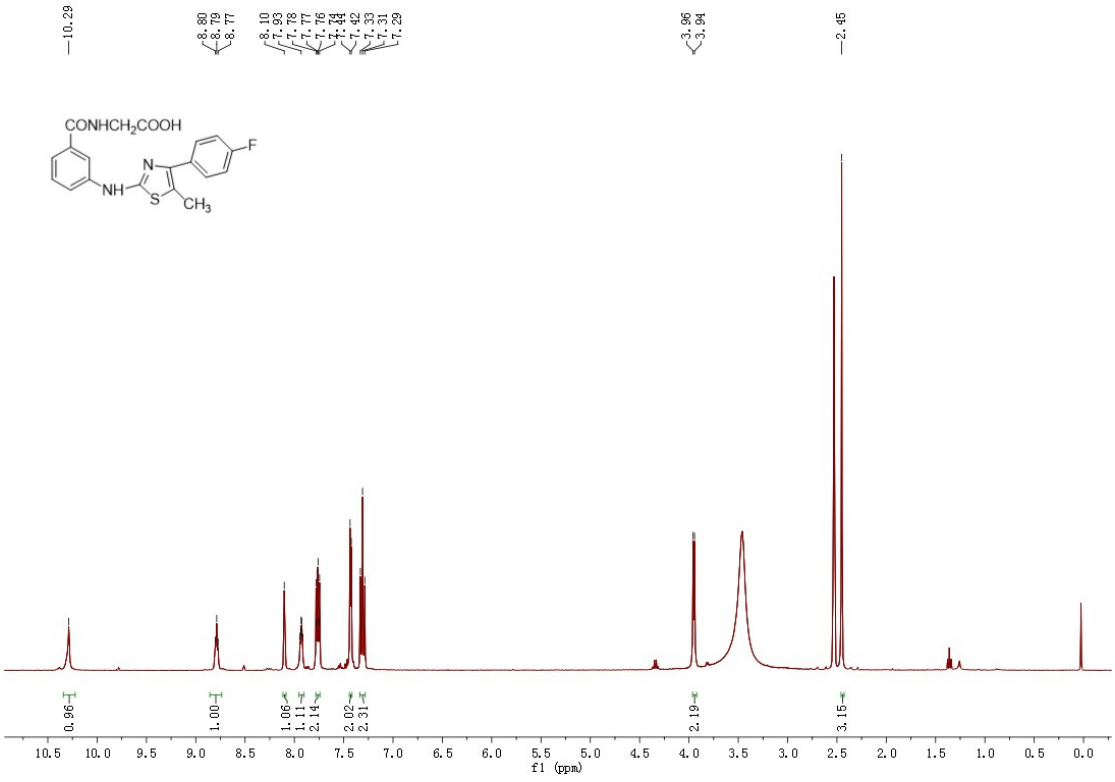
4d


7.79
7.77
7.69
7.67
7.54
7.52
7.50
7.45
7.41
7.39
6.95
4.25
2.81
2.79
2.77
2.75
1.30
1.28
1.26
CONHCH2COOH
Cl
N
NH
S
CH2CH3
0.98
1.01
4.93
0.87
2.02
2.00
3.19
f1 (ppm)

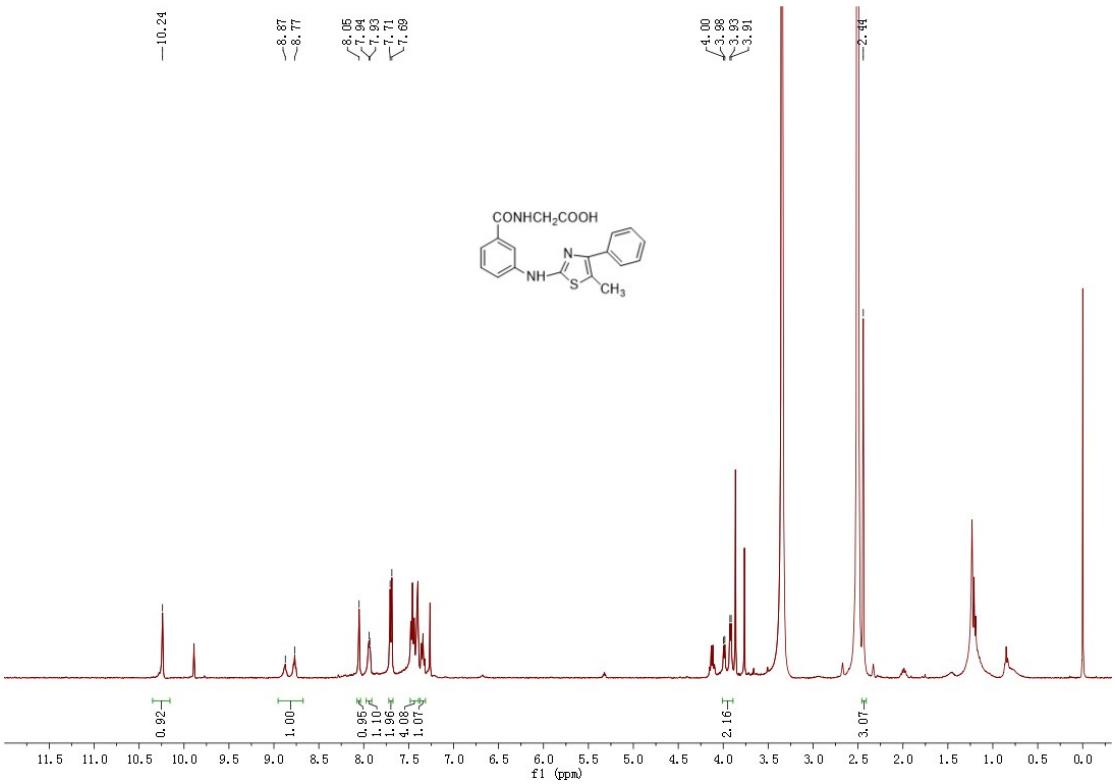
4e


1.06
1.15
1.22
1.33
2.25
2.25
1.92
2.24
3.04
f1 (ppm)

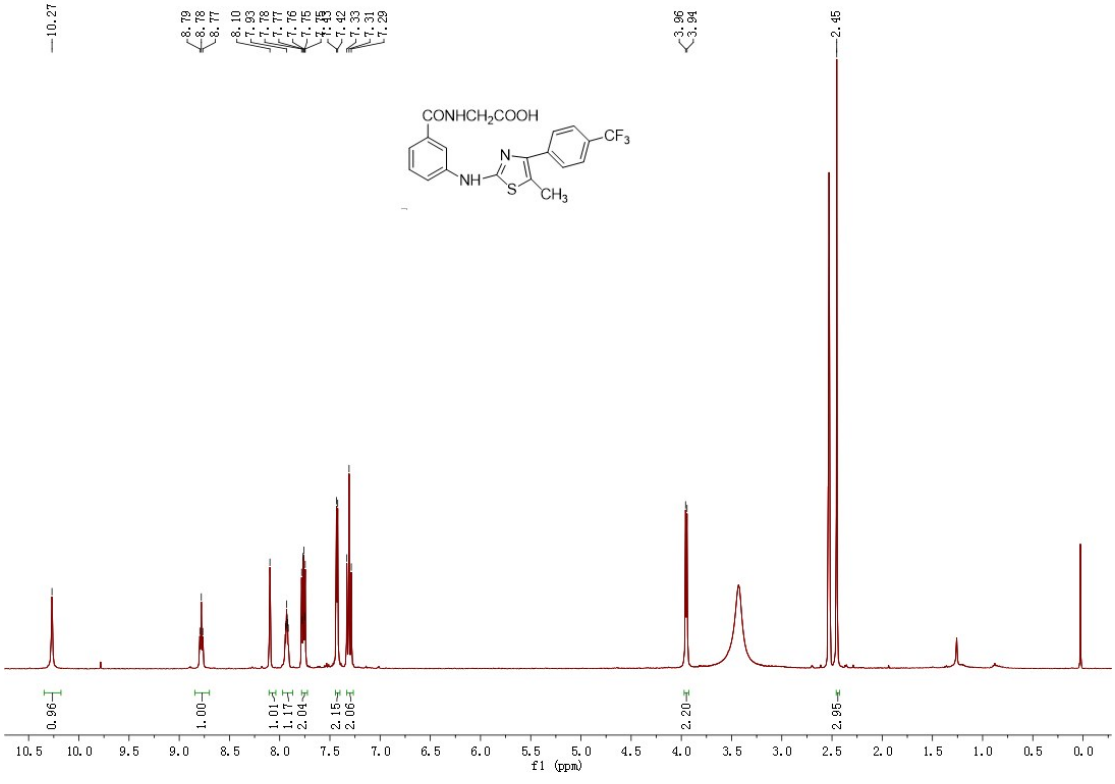
4f


10.29
8.80
8.79
8.77
8.10
7.93
7.78
7.77
7.76
7.44
7.42
7.33
7.31
7.29
3.96
3.94
2.45
CONHCH2COOH
F
N
NH
S
CH3
0.96
1.00
1.06
1.11
2.14
2.02
2.31
2.19
3.15
10.5 10.0 9.5 9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0
f1 (ppm)

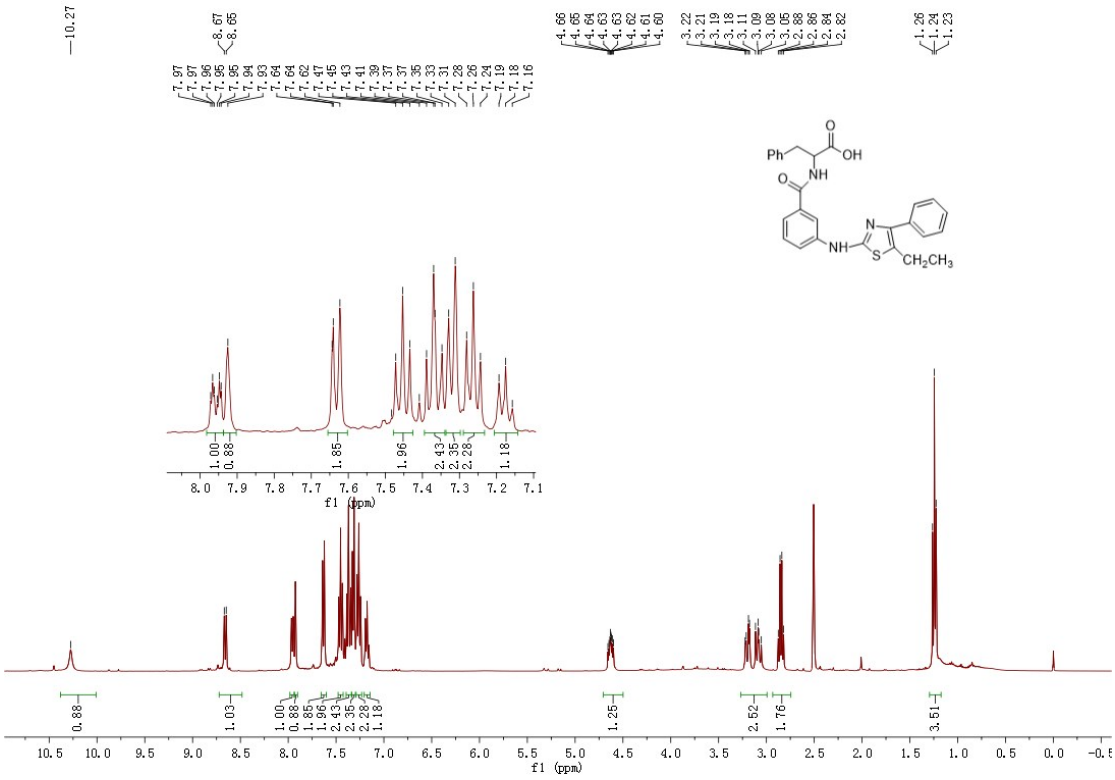
4g


10.24
8.87
8.77
8.05
7.94
7.93
7.71
7.69
4.00
3.98
3.93
3.91
2.44
CONHCH2COOH
NH
N
S
CH3
0.92
1.00
0.95
1.10
1.96
4.08
1.07
2.16
3.07
f1 (ppm)

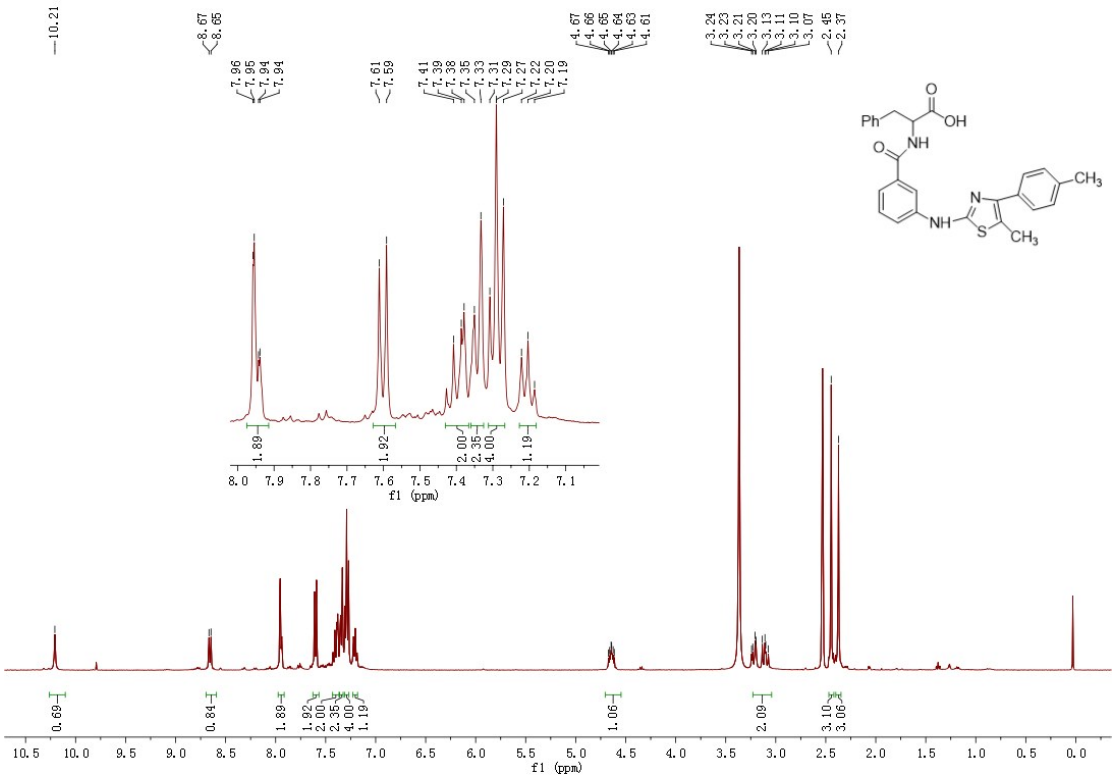
4h


10.27
8.79
8.78
8.77
8.10
7.93
7.78
7.77
7.76
7.75
7.42
7.33
7.31
7.29
3.96
3.94
2.45
CONHCH2COOH
CF3
NH
N
S
CH3
0.96
1.00
1.01
1.17
2.04
2.15
2.06
2.20
2.95
f1 (ppm)

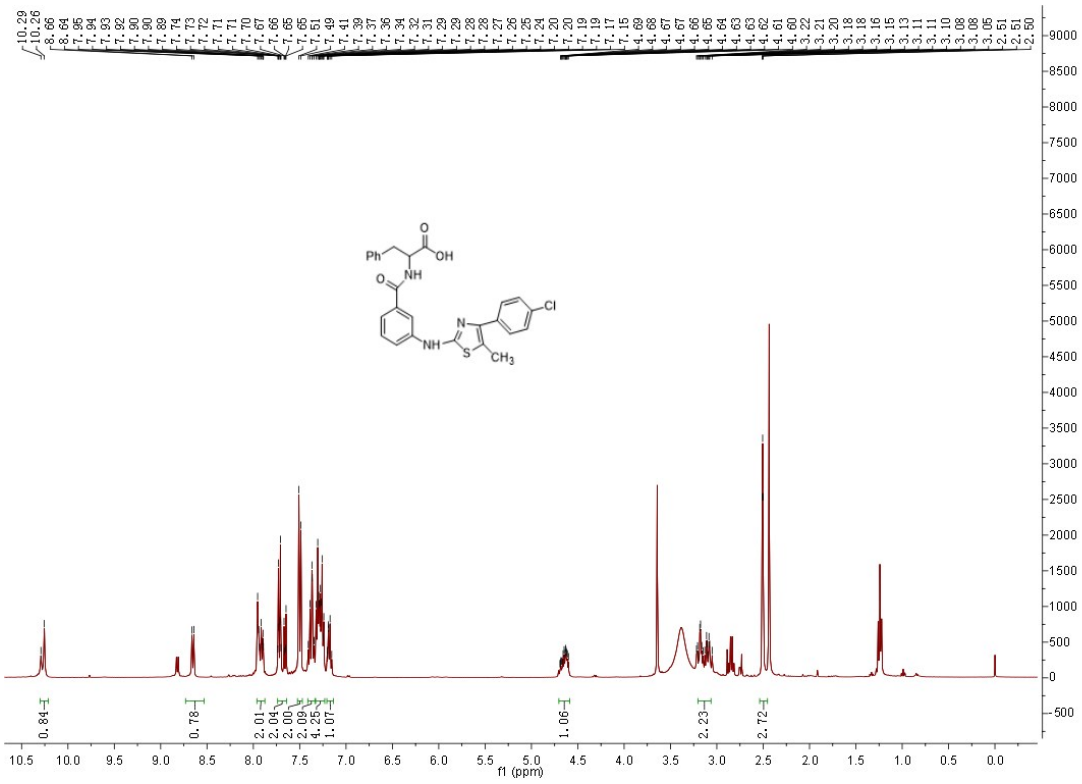
4i


10.27
8.67
8.65
7.97
7.96
7.95
7.94
7.93
7.64
7.62
7.47
7.45
7.43
7.41
7.39
7.37
7.35
7.33
7.31
7.28
7.26
7.24
7.19
7.18
7.16
4.66
4.65
4.64
4.63
4.62
4.61
4.60
3.22
3.21
3.19
3.18
3.11
3.09
3.08
3.05
2.88
2.86
2.84
2.82
1.26
1.24
1.23
Ph
OH
O
NH
O
N
S
NH
CH2CH3
1.00
0.88
1.85
1.96
2.43
2.35
2.28
1.18
f1 (ppm)
0.88
1.03
1.00
0.88
1.85
1.96
2.43
2.35
2.28
1.18
1.25
2.52
1.76
3.51
f1 (ppm)

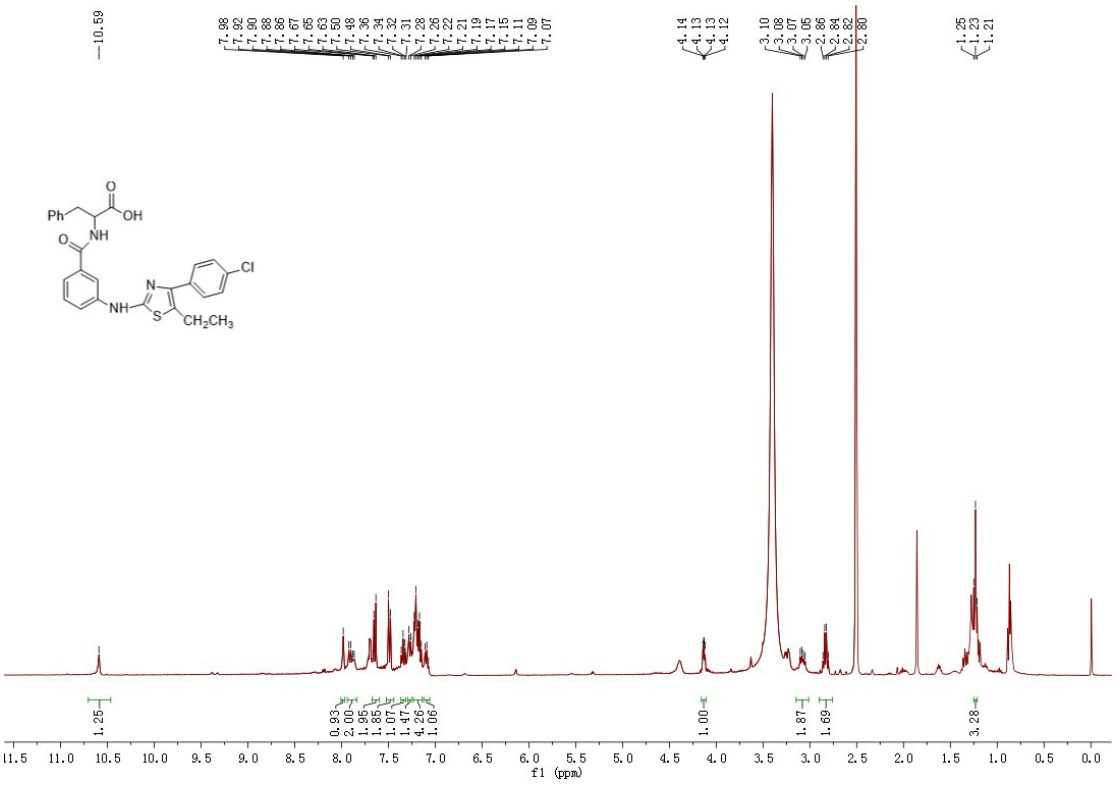
4j


10.21
8.67
8.65
7.96
7.95
7.94
7.94
7.61
7.59
7.41
7.39
7.38
7.35
7.33
7.31
7.29
7.27
7.22
7.20
7.19
4.67
4.66
4.65
4.64
4.63
4.61
3.24
3.23
3.21
3.20
3.13
3.11
3.10
3.07
2.45
2.37
Ph
OH
O
NH
O
NH
N
S
CH3
CH3
f1 (ppm)

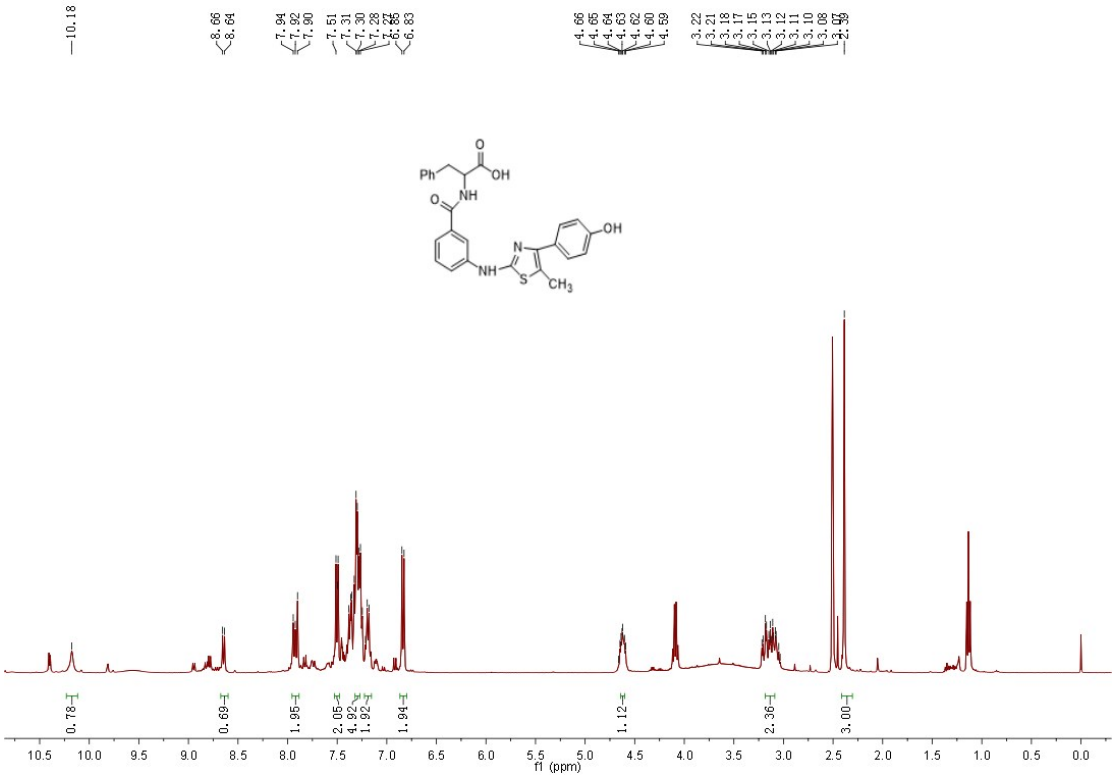
4k


10.29
10.26
Ph
OH
O
NH
O
NH
N
S
Cl
CH3
f1 (ppm)

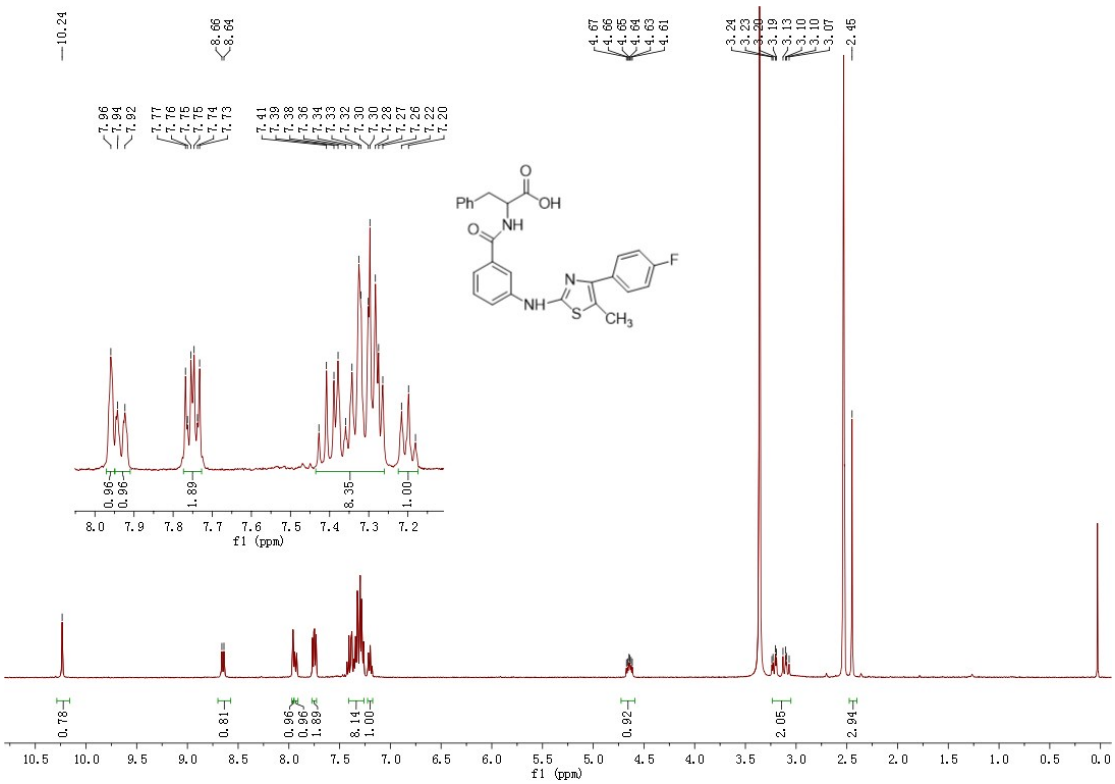
4l


10.59
7.98
7.92
7.90
7.88
7.86
7.67
7.65
7.63
7.50
7.48
7.36
7.34
7.32
7.31
7.28
7.26
7.22
7.21
7.19
7.17
7.15
7.11
7.09
7.07
4.14
4.13
4.13
4.12
3.10
3.08
3.07
3.05
2.86
2.84
2.82
2.80
1.25
1.23
1.21
Ph
O
OH
NH
O
NH
N
S
Cl
CH2CH3
1.25
0.93
2.00
1.95
1.85
1.07
1.47
4.26
1.06
1.00
1.87
1.69
3.28
11.5
11.0
10.5
10.0
9.5
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
f1 (ppm)

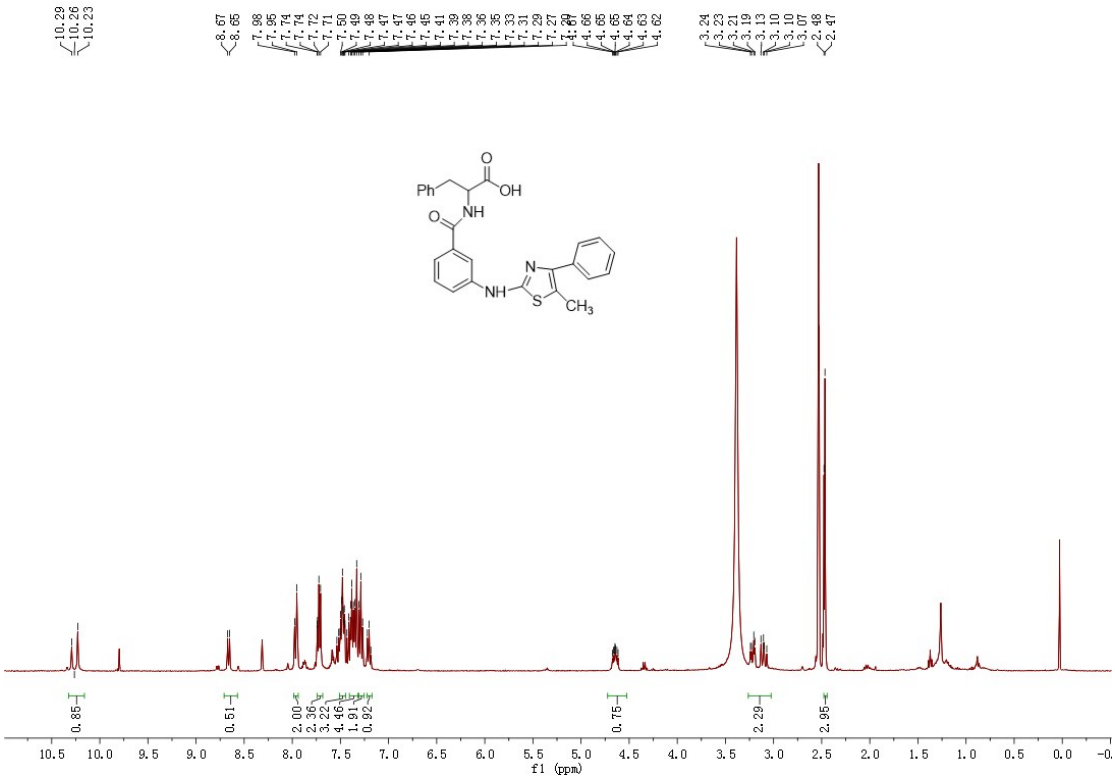
4m


10.18
8.66
8.64
7.94
7.92
7.90
7.51
7.31
7.30
7.28
6.85
6.83
4.66
4.65
4.64
4.63
4.62
4.60
4.59
3.22
3.21
3.18
3.17
3.15
3.13
3.12
3.11
3.10
3.08
2.39
Ph
OH
NH
O
N
S
CH3
OH
0.78
0.69
1.95
2.05
4.92
1.92
1.94
1.12
2.36
3.00
f1 (ppm)

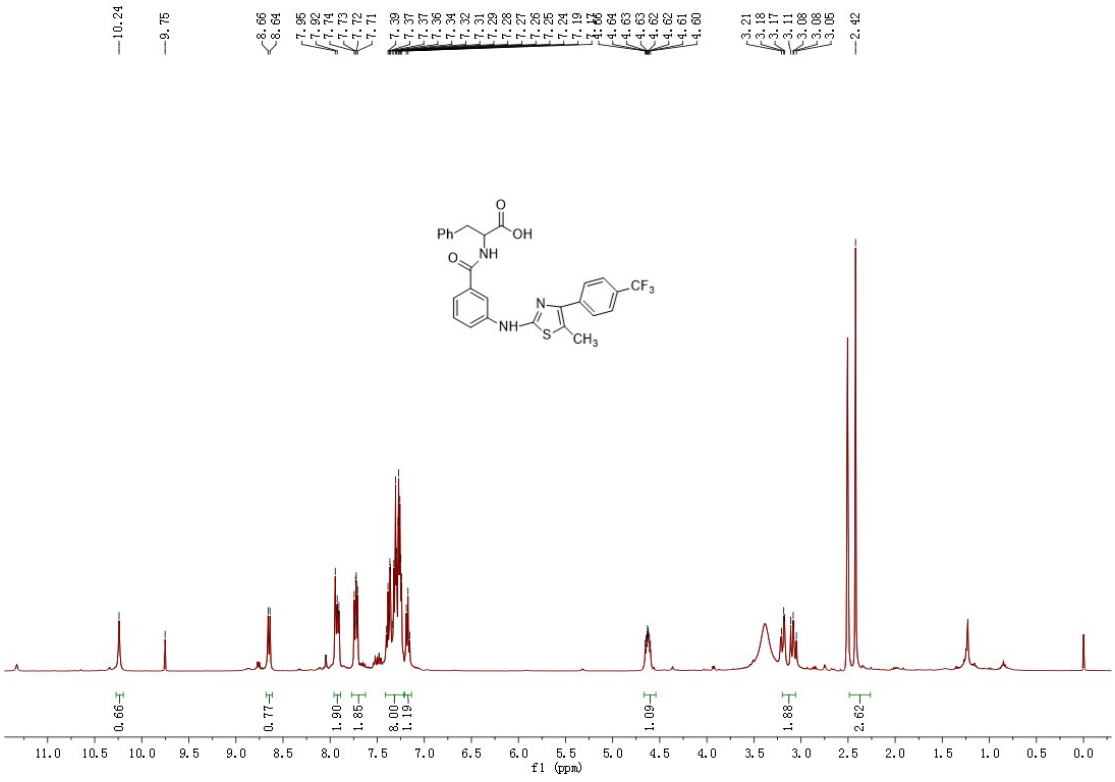
4n


10.24
8.66
8.64
4.67
4.66
4.65
4.64
4.63
4.61
3.24
3.23
3.21
3.19
3.13
3.10
3.10
3.07
2.45
7.96
7.94
7.92
7.77
7.76
7.75
7.75
7.74
7.73
7.41
7.39
7.38
7.36
7.34
7.33
7.32
7.30
7.30
7.28
7.27
7.26
7.22
7.20
Ph
O
OH
NH
O
N
F
NH
S
CH3
0.96
0.96
1.89
8.35
1.00
f1 (ppm)
0.78
0.81
0.96
0.96
1.89
8.14
1.00
0.92
2.05
2.94
f1 (ppm)

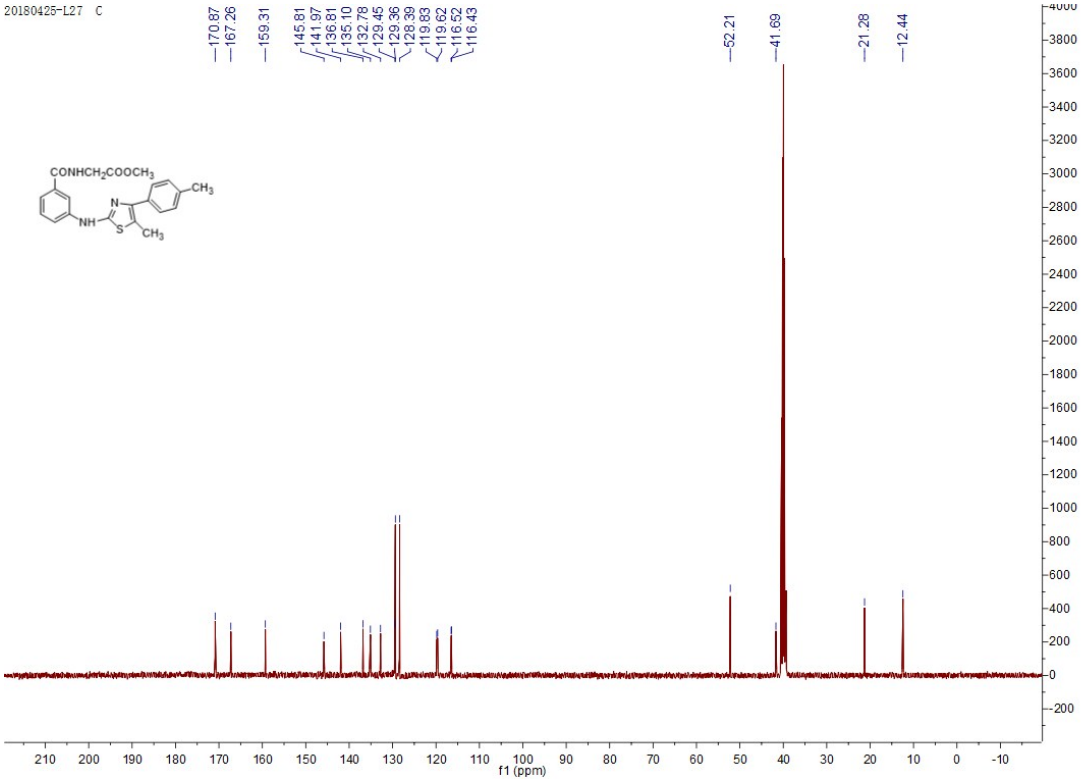
4o


10.29
10.26
10.23
8.67
8.65
7.98
7.95
7.74
7.74
7.72
7.71
7.50
7.49
7.48
7.47
7.47
7.46
7.45
7.41
7.39
7.38
7.36
7.35
7.33
7.31
7.29
7.27
4.66
4.65
4.64
4.63
4.62
3.24
3.23
3.21
3.19
3.13
3.10
3.10
3.07
2.48
2.47
Ph
O
OH
NH
O
N
NH
S
CH3
0.85
0.51
2.00
2.36
3.22
4.46
1.91
0.92
0.75
2.29
2.95
f1 (ppm)

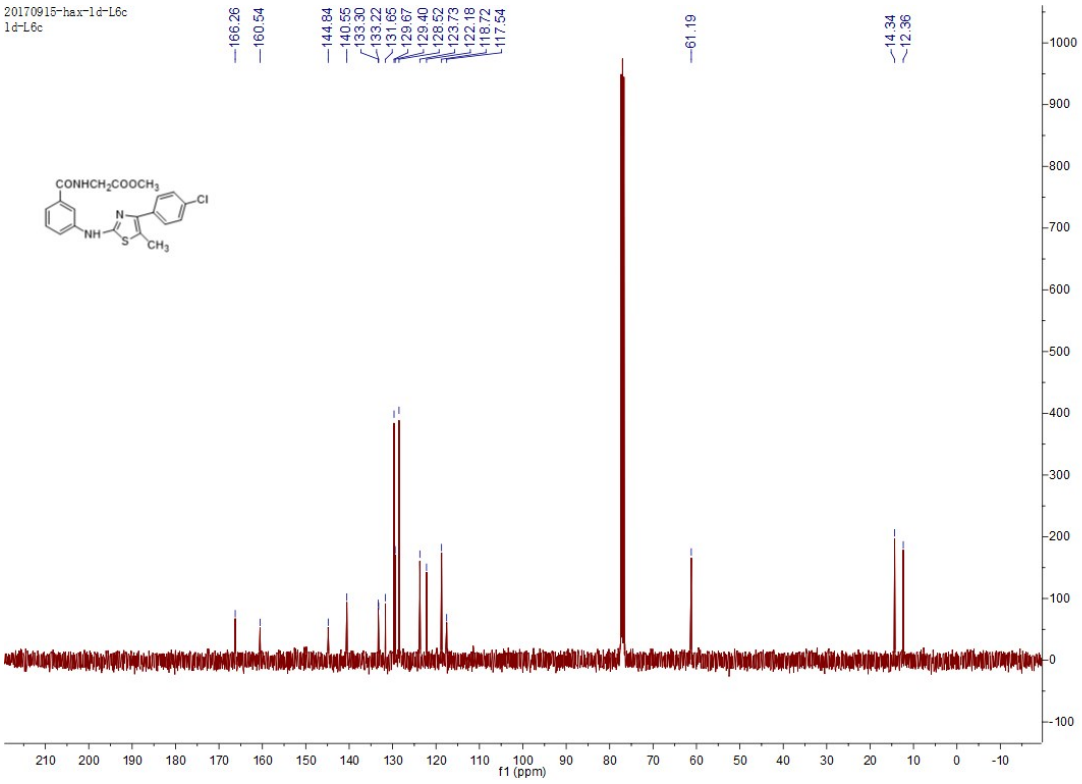
4p


10.24
9.75
8.66
8.64
7.96
7.92
7.74
7.73
7.72
7.71
7.39
7.37
7.37
7.36
7.34
7.32
7.31
7.29
7.28
7.27
7.26
7.25
7.24
7.19
4.66
4.64
4.63
4.62
4.62
4.61
4.60
3.21
3.18
3.17
3.11
3.08
3.08
3.05
2.42
Ph
O
OH
NH
O
N
S
NH
CH3
CF3
0.66
0.77
1.90
1.85
8.00
1.19
1.09
1.88
2.62
11.0
10.5
10.0
9.5
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
f1 (ppm)

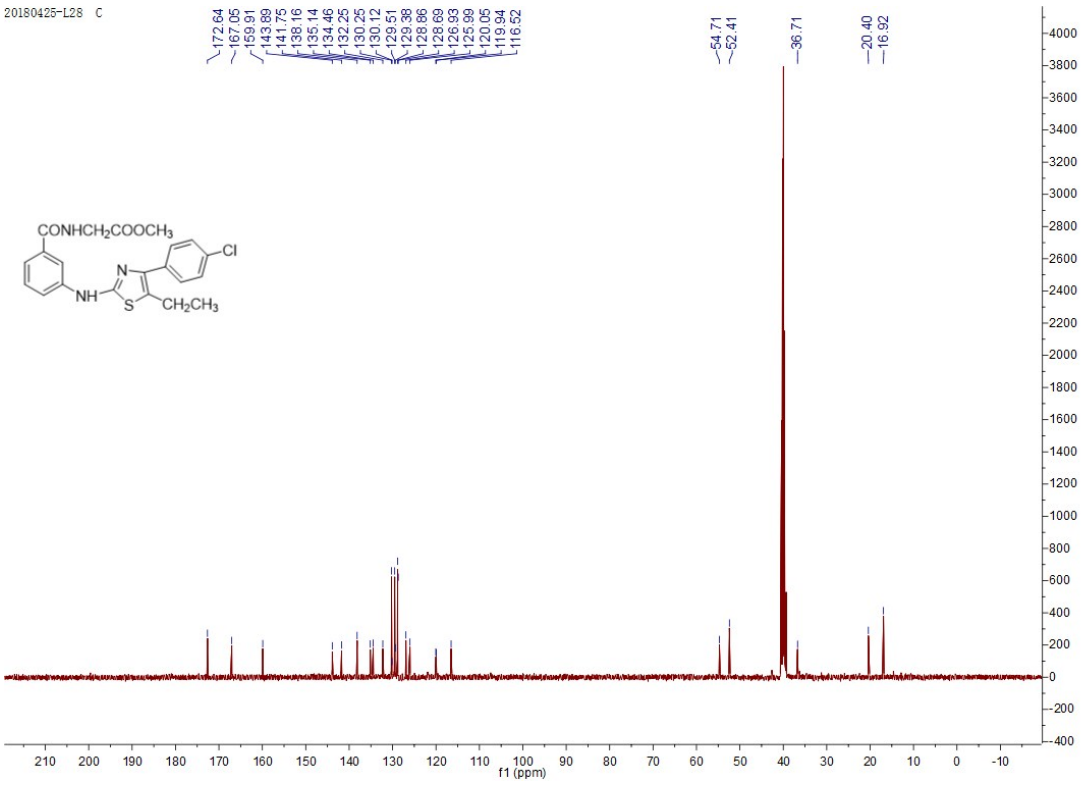
3b


20180425-L27 C
170.87
167.26
159.31
145.81
141.97
136.81
135.10
132.78
129.45
129.36
128.39
119.83
119.62
116.52
116.43
52.21
41.69
21.28
12.44
CONHCH2COOCH3
CH3
N
NH
S
CH3
f1 (ppm)

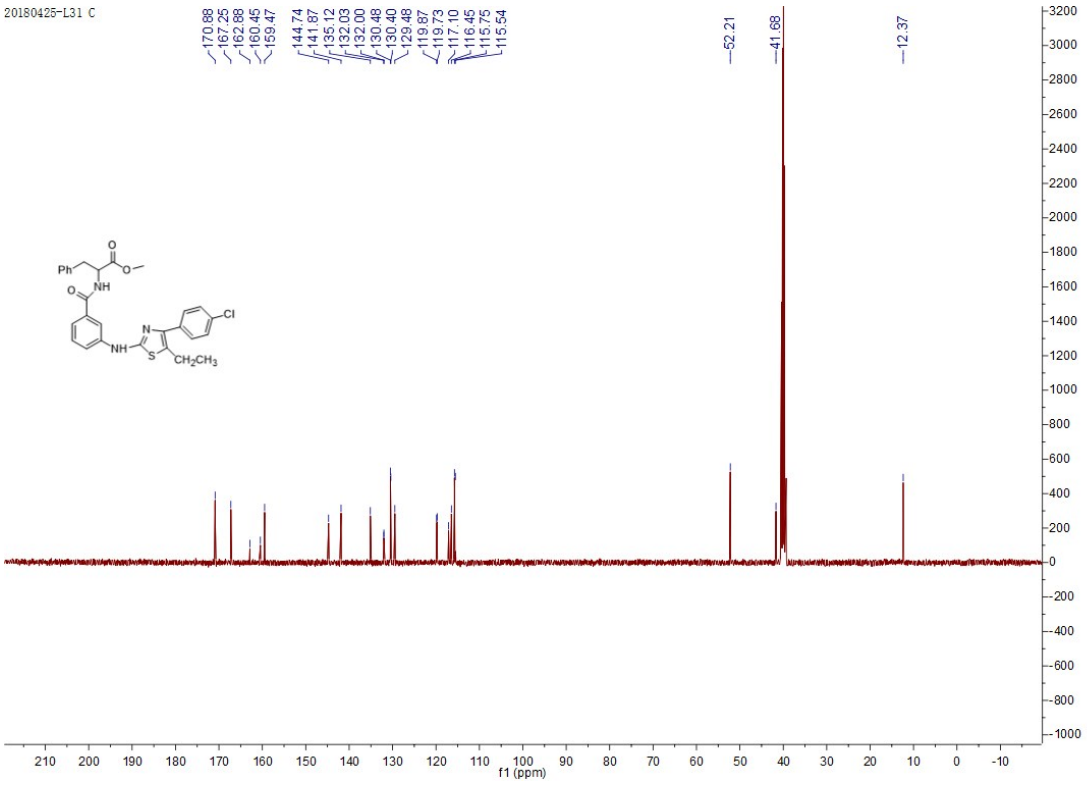
3c


20170915-hax-1d-L6c
1d-L6c
166.26
160.54
144.84
140.55
133.30
133.22
131.65
129.67
129.40
128.52
123.73
122.18
118.72
117.54
61.19
14.34
12.36
CONHCH2COOCH3
Cl
N
NH
S
CH3
f1 (ppm)

3d


20180425-L28 C
172.64
167.05
159.91
143.89
141.75
138.16
135.14
134.46
132.25
130.25
130.12
129.51
129.38
128.86
128.69
126.93
125.99
120.05
119.94
116.52
54.71
52.41
36.71
20.40
16.92
CONHCH2COOCH3
Cl
N
NH
S
CH2CH3
f1 (ppm)

3l


20180425-L31 C
170.88
167.25
162.88
160.45
159.47
144.74
141.87
135.12
132.03
132.00
130.48
130.40
129.48
119.87
119.73
117.10
116.45
115.75
115.54
52.21
41.68
12.37
Ph
O
O
NH
O
N
Cl
NH
S
CH2CH3
f1 (ppm)