

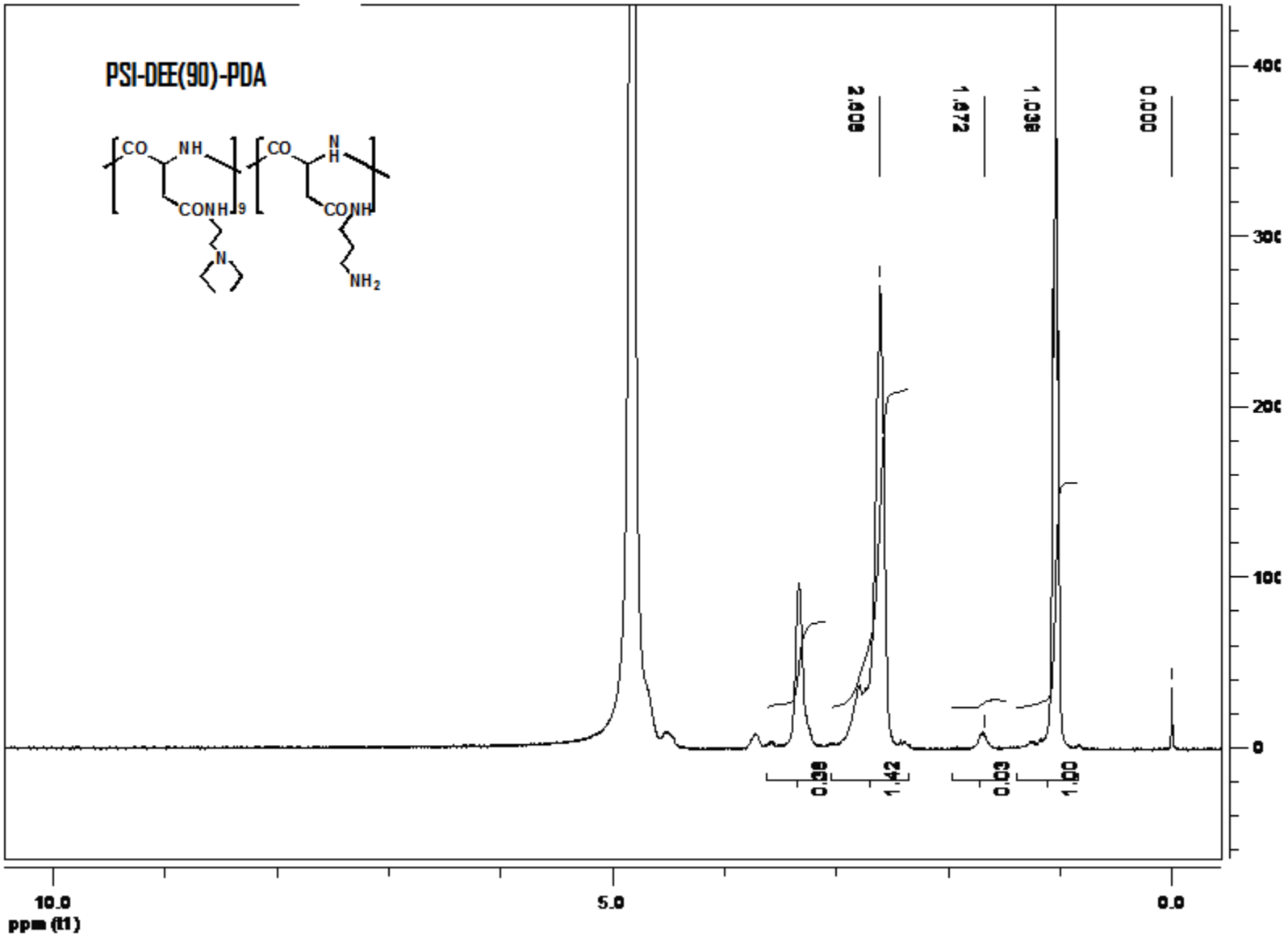
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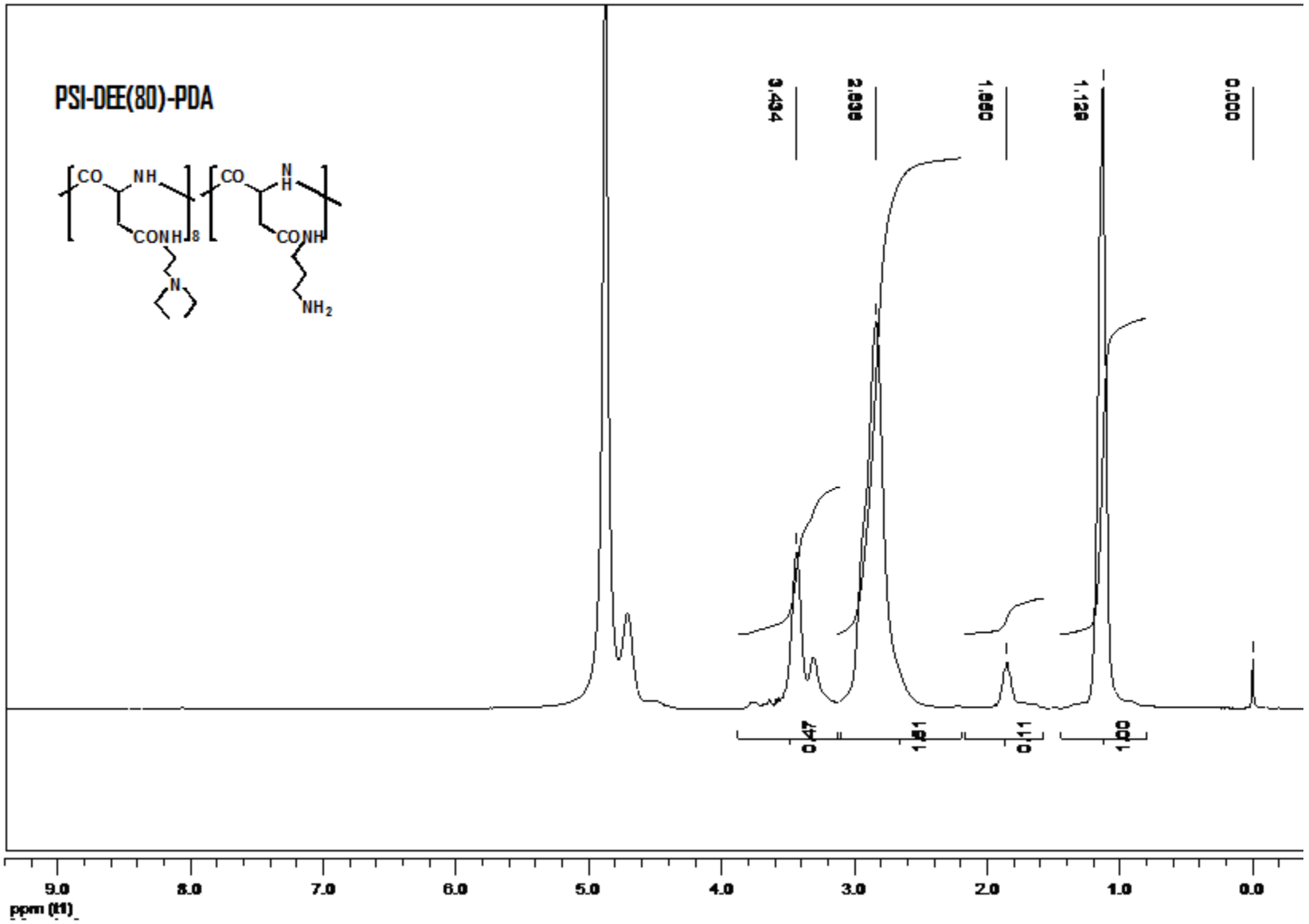
Macromolecular derivatives of methotrexate and ferrocene as potential prodrugs in cancer chemotherapy

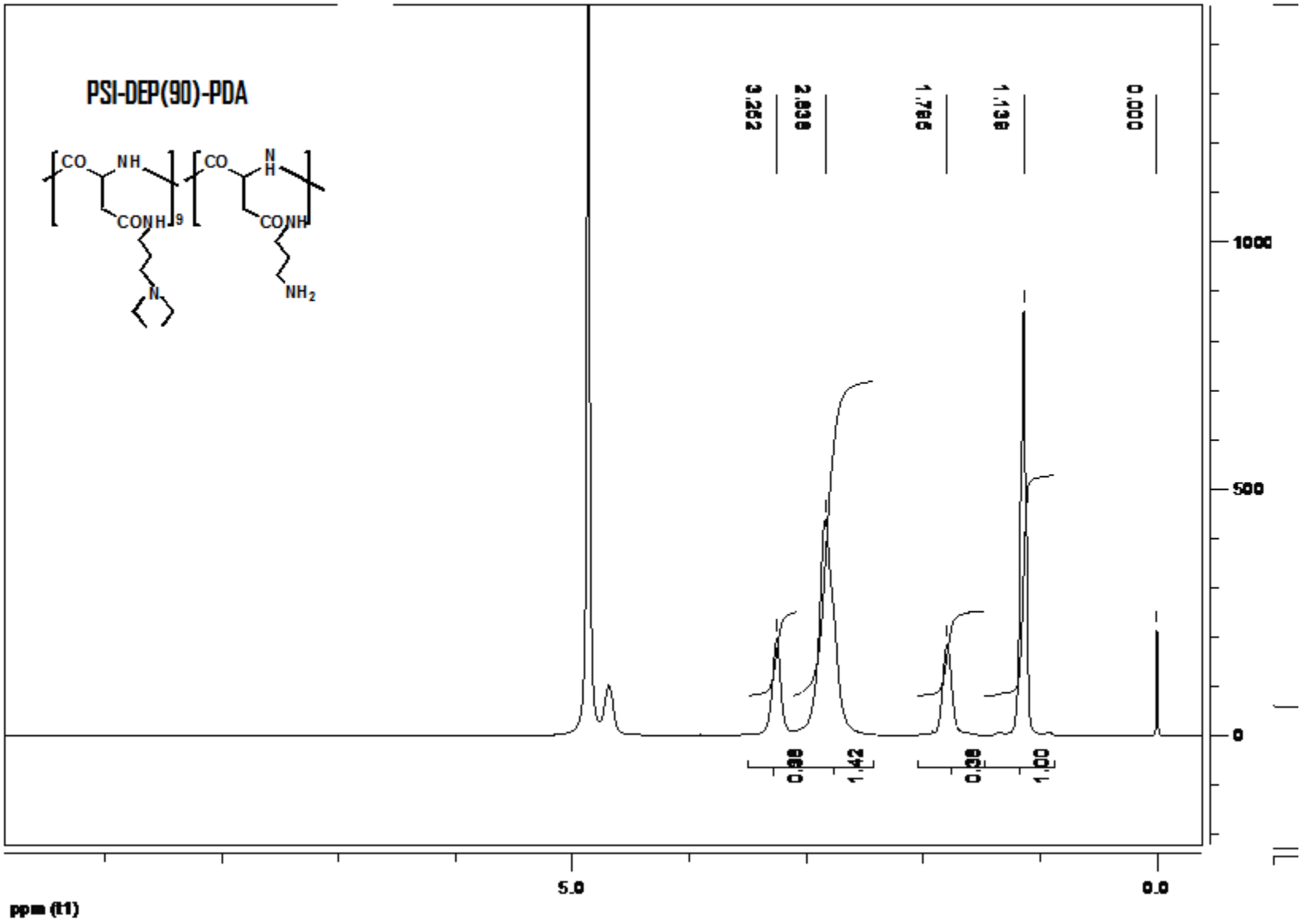
Mufula, Ilunga

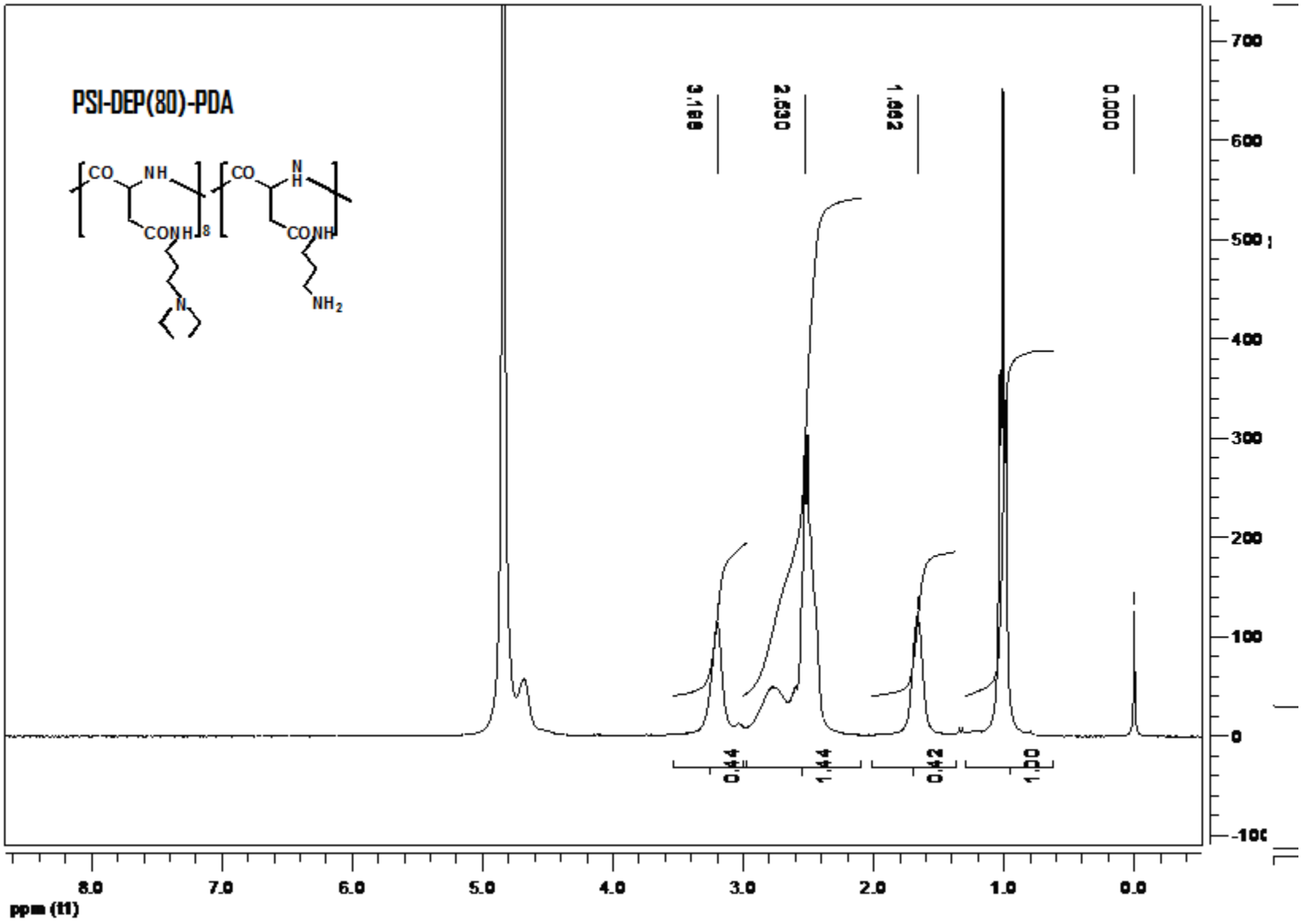
2010-08-03
http://hdl.handle.net/10539/8348

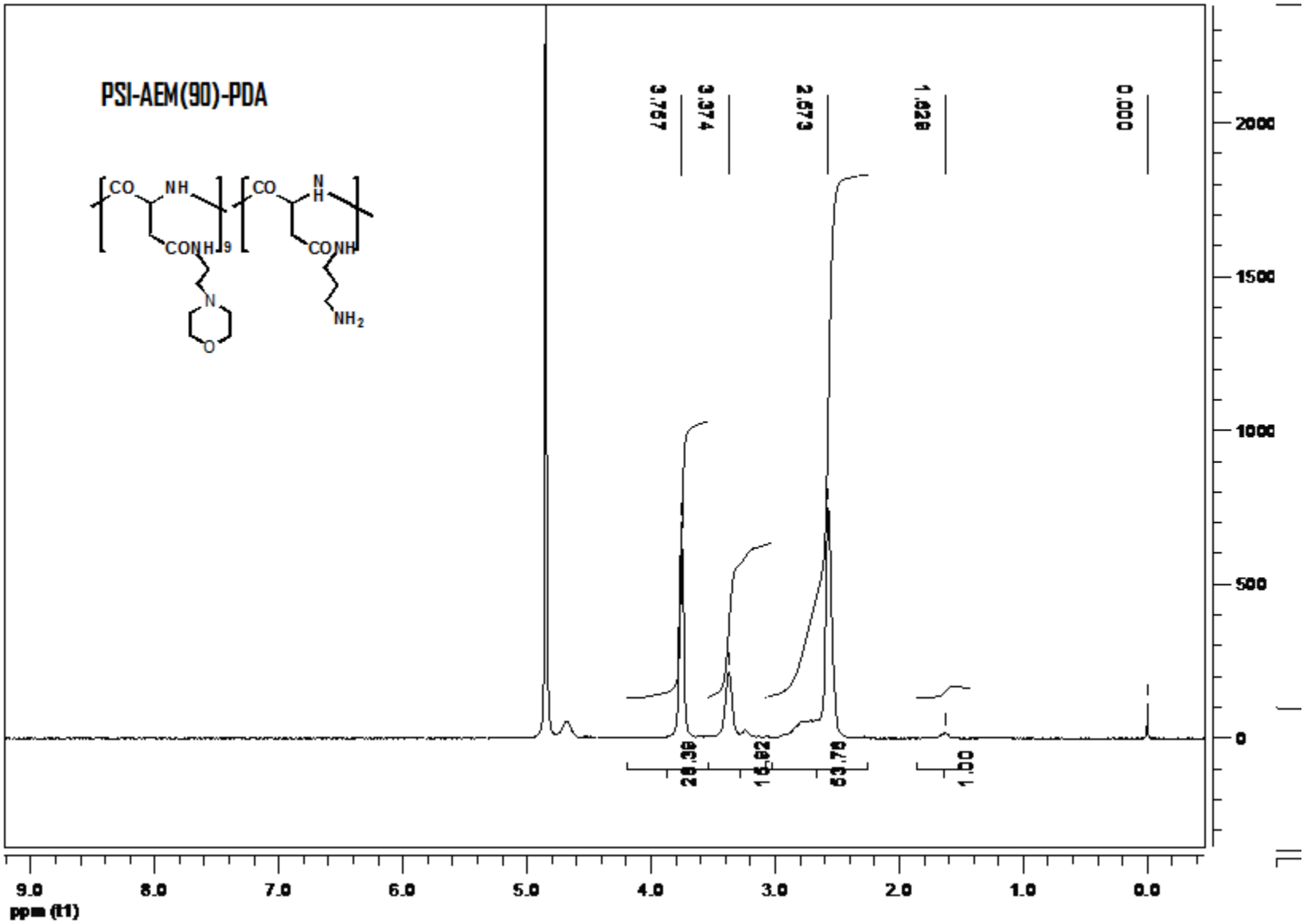
Downloaded from a DSpace repository. https://dspace.org/

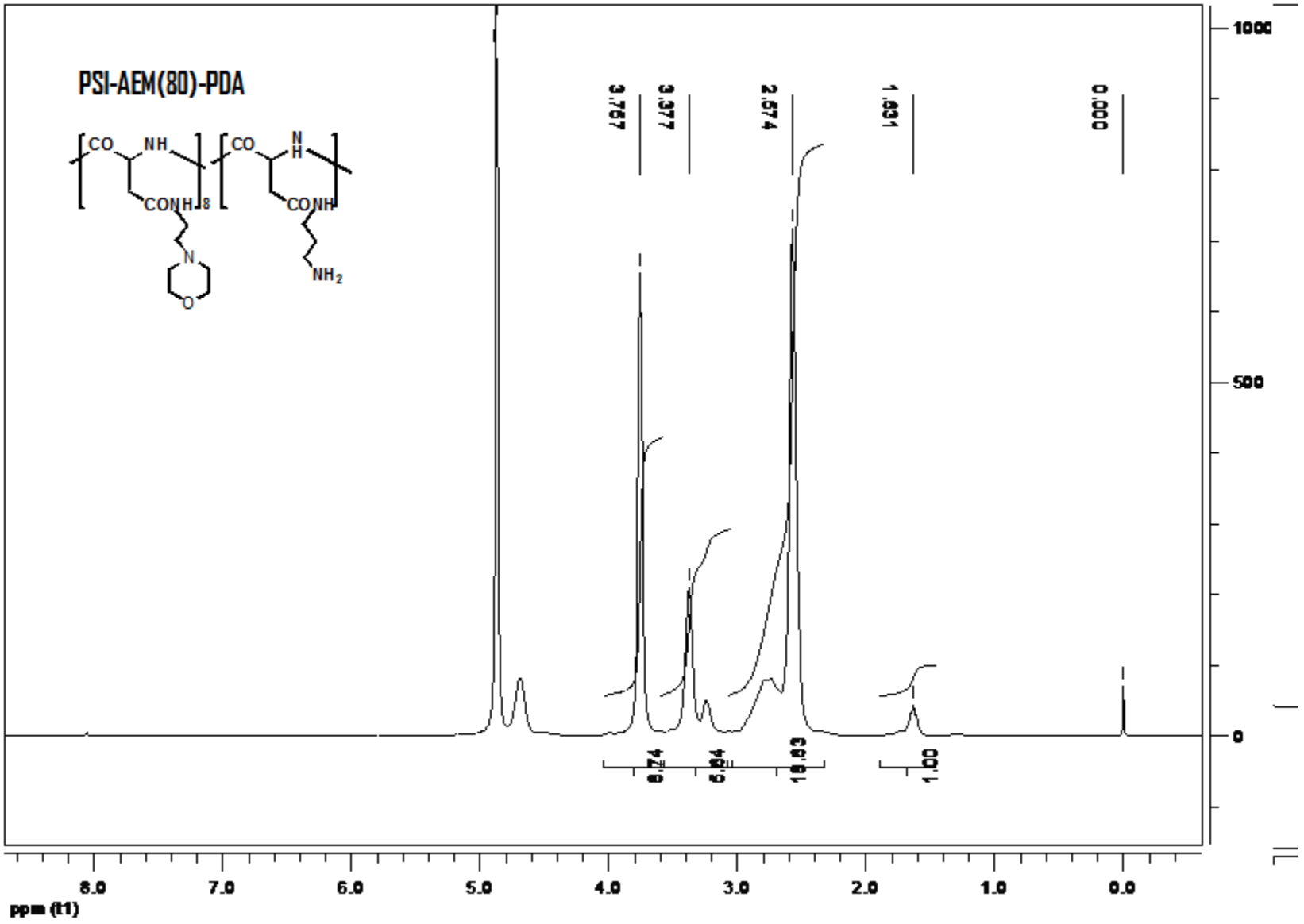

PSI-DEE(90)-PDA
2.000
1.072
1.000
0.000
0.38
1.42
0.03
1.00
10.0
ppm (t1)
5.0
0.0

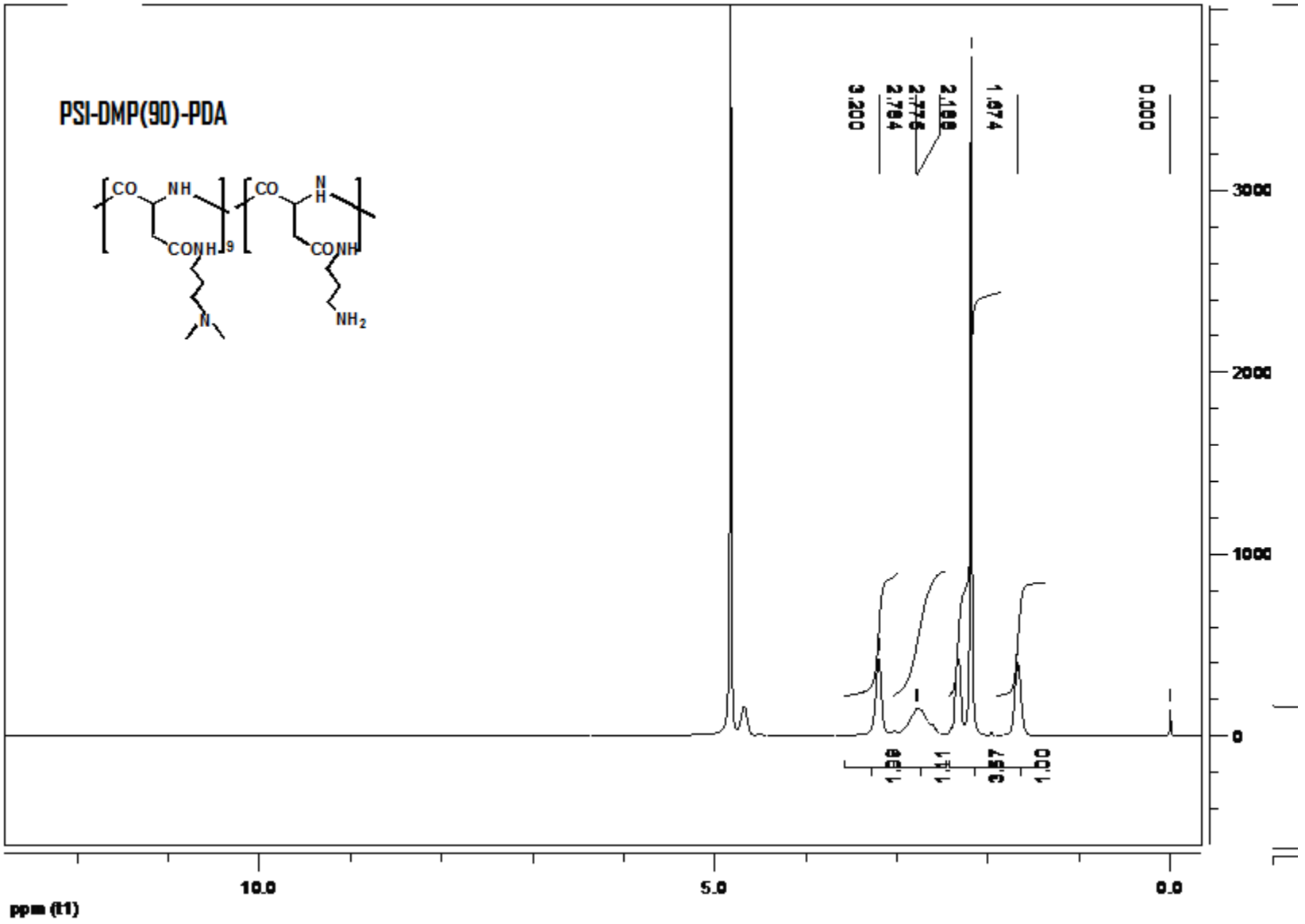

PSI-DEE(80)-PDA
3.434
2.939
1.880
1.129
0.000
0.47
1.91
1.10
1.00
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
ppm (t1)

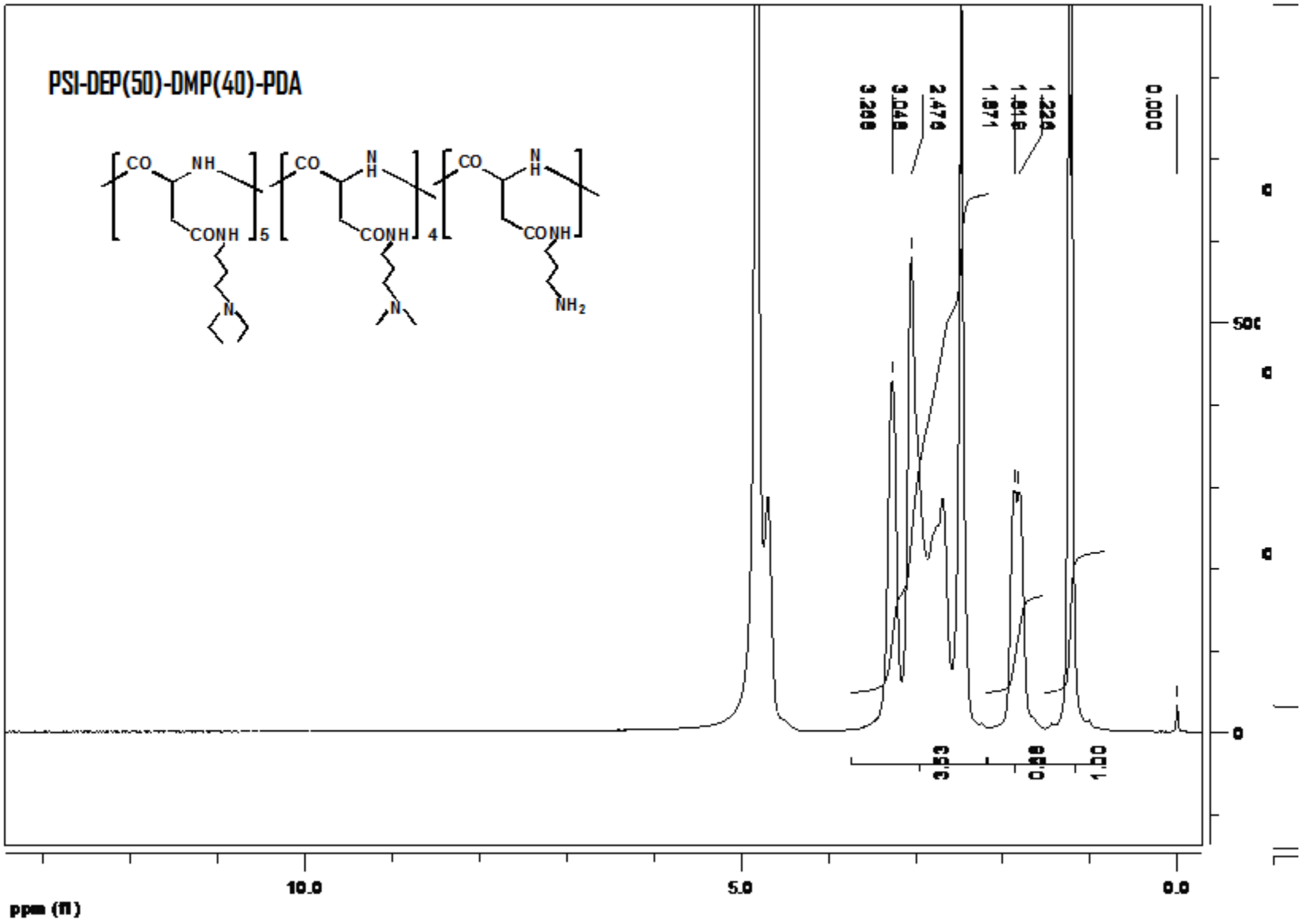

PSI-DEP(90)-PDA
CO
NH
CONH
9
CO
N
H
CONH
NH2
N
3.262
2.808
1.786
1.138
0.000
0.38
1.42
0.38
1.00
1000
500
0
5.0
0.0
ppm (t1)

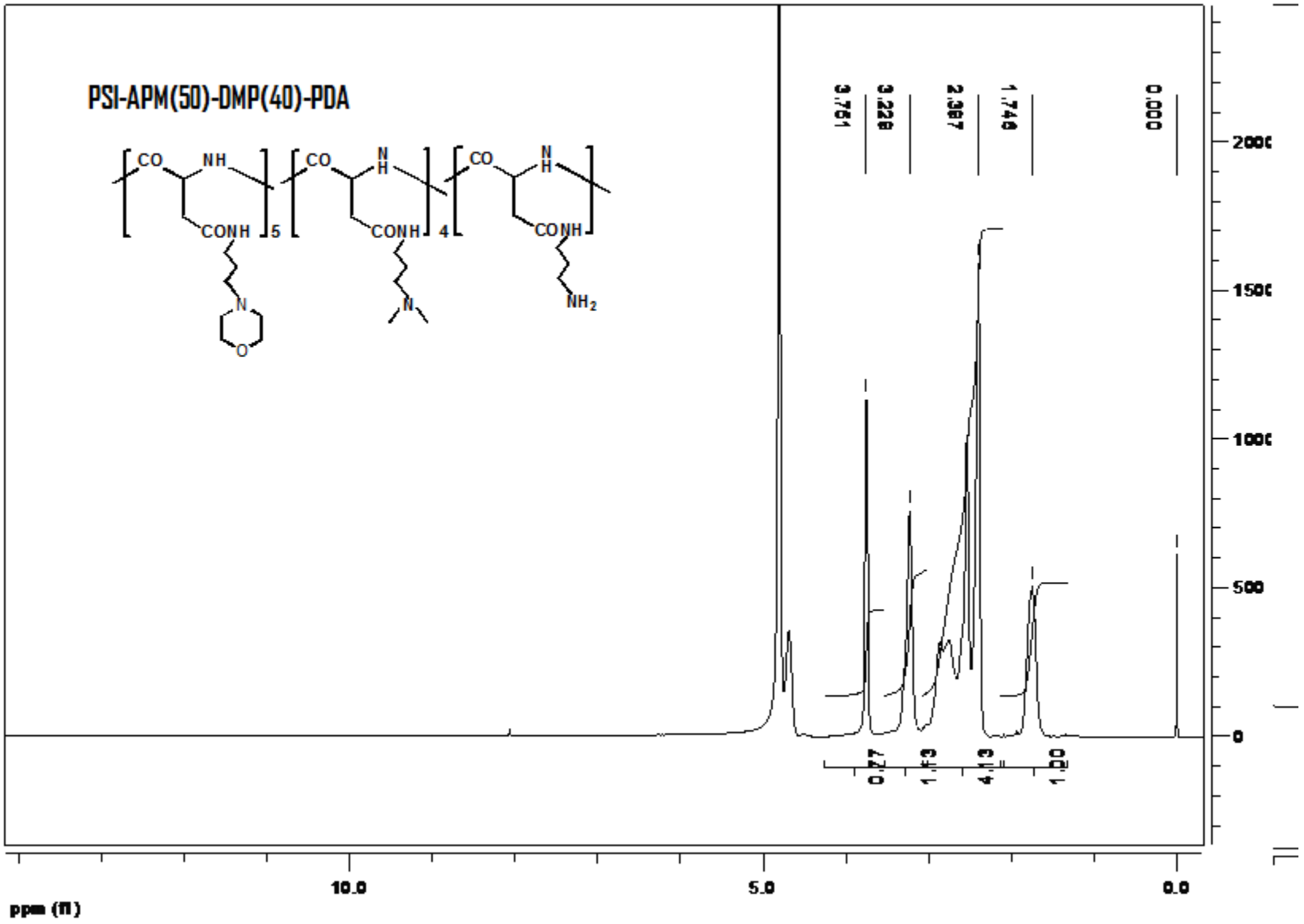

PSI-DEP(80)-PDA
3.189
2.630
1.992
0.000
0.44
1.44
0.42
1.00
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
ppm (t1)

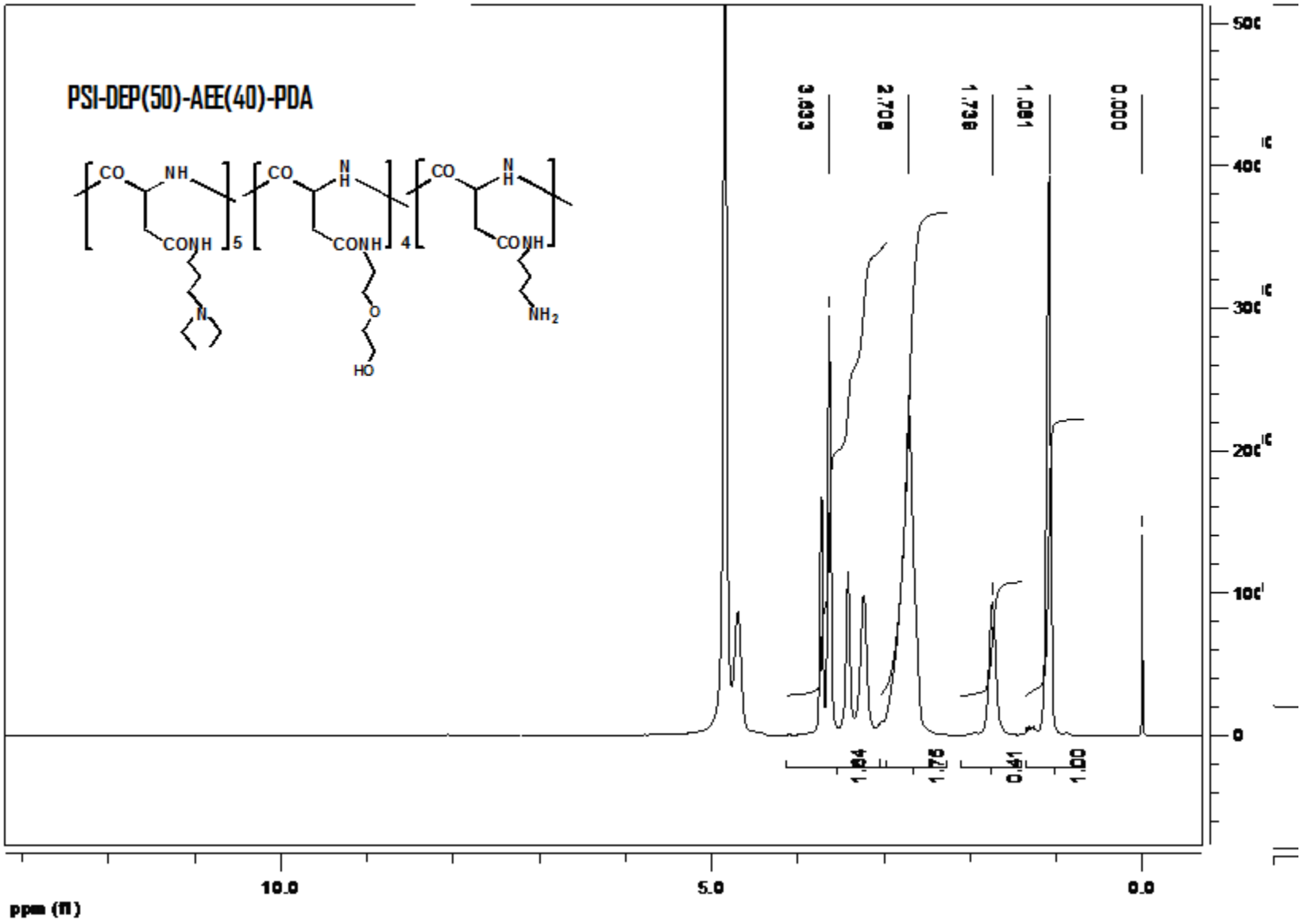

PSI-AEM(90)-PDA
3.787
3.574
2.573
1.628
0.000
20.39
16.92
63.78
1.00
2000
1500
1000
500
0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
ppm (t1)

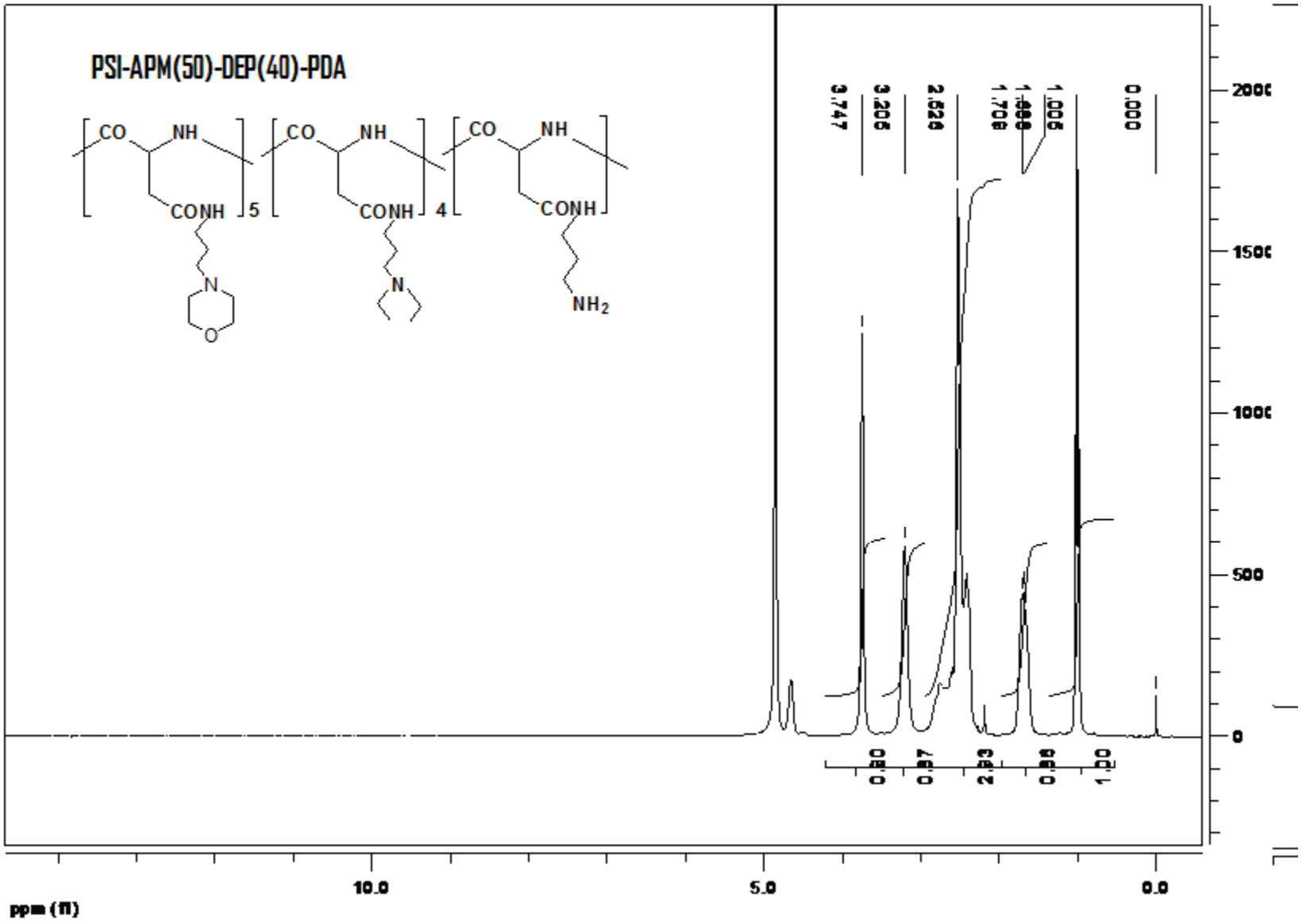

PSI-AEM(80)-PDA
3.757
3.377
2.574
1.691
0.000
6.74
6.84
19.03
1.00
1000
500
0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
ppm (t1)

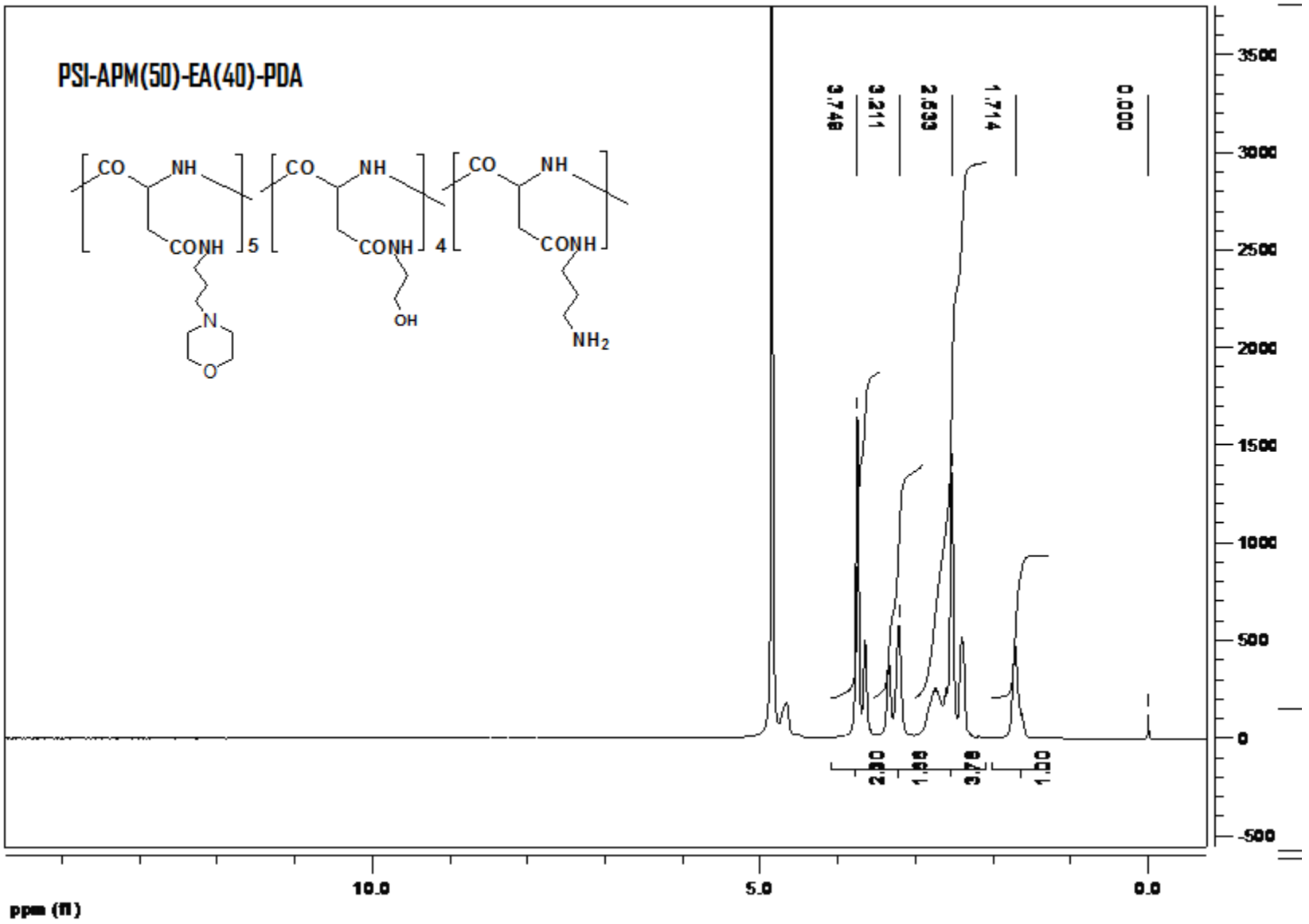

PSI-DMP(90)-PDA
3.200
2.784
2.188
1.974
0.000
1.00
10.0
5.0
0.0
ppm (t1)

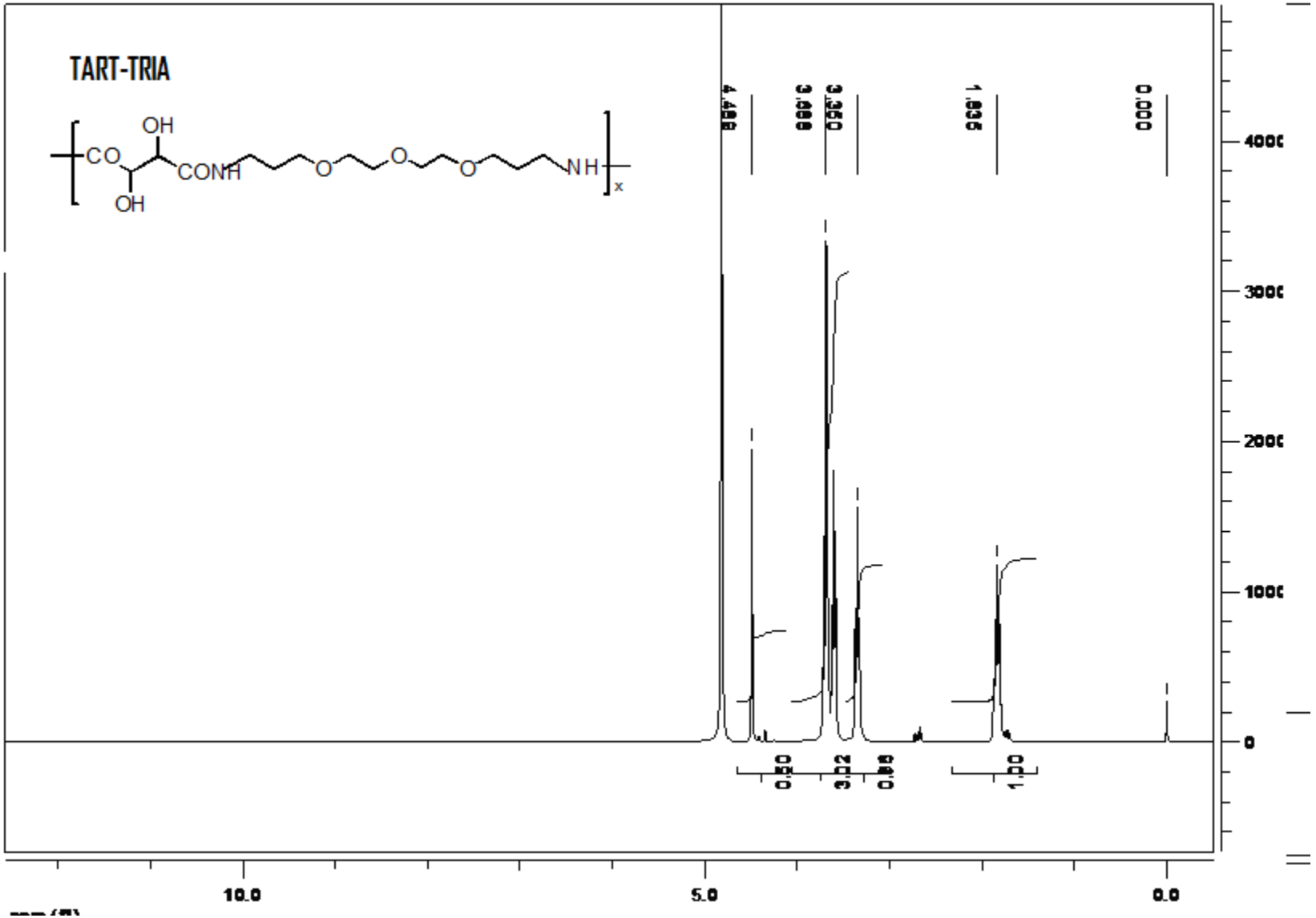

PSI-DEP(50)-DMP(40)-PDA
3.299
3.048
2.479
1.871
1.224
0.000
10.0
5.0
0.0
ppm (f1)

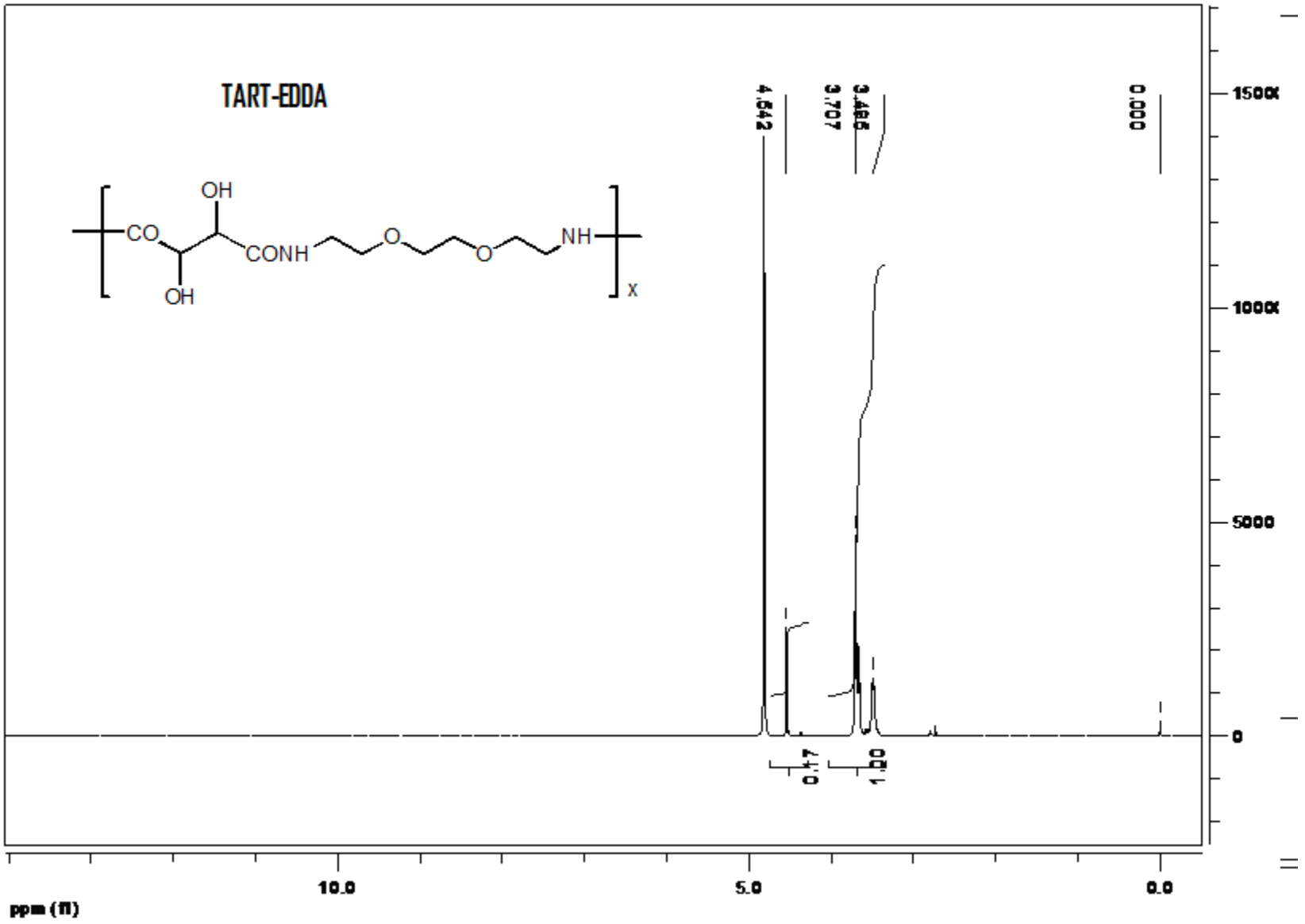

PSI-APM(50)-DMP(40)-PDA
3.751
3.229
2.387
1.749
0.000
10.0
5.0
0.0
ppm (f1)

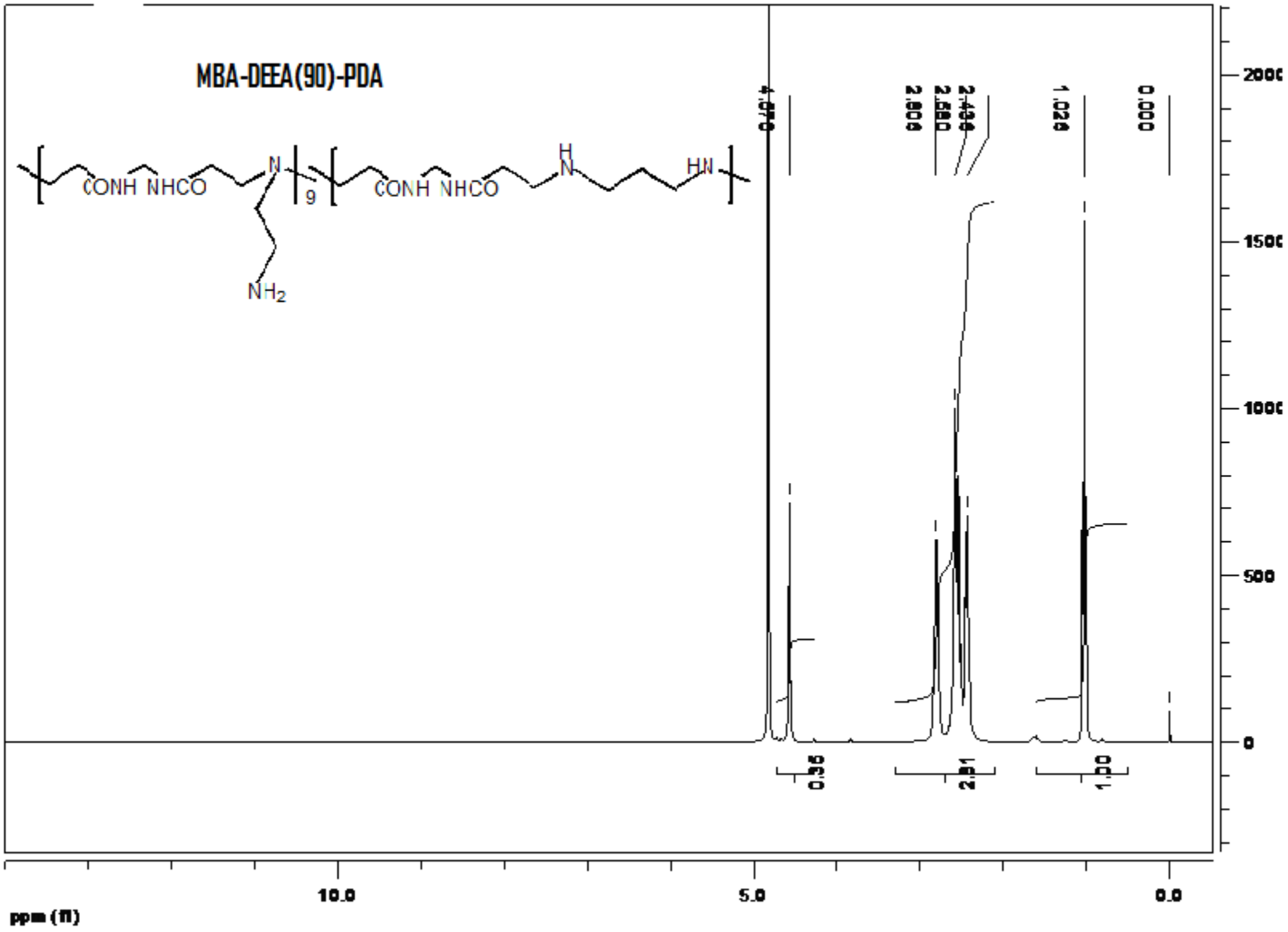

PSI-DEP(50)-AEE(40)-PDA
3.693
2.709
1.736
1.091
0.000
1.84
1.75
0.41
1.00
10.0
5.0
0.0
ppm (f1)

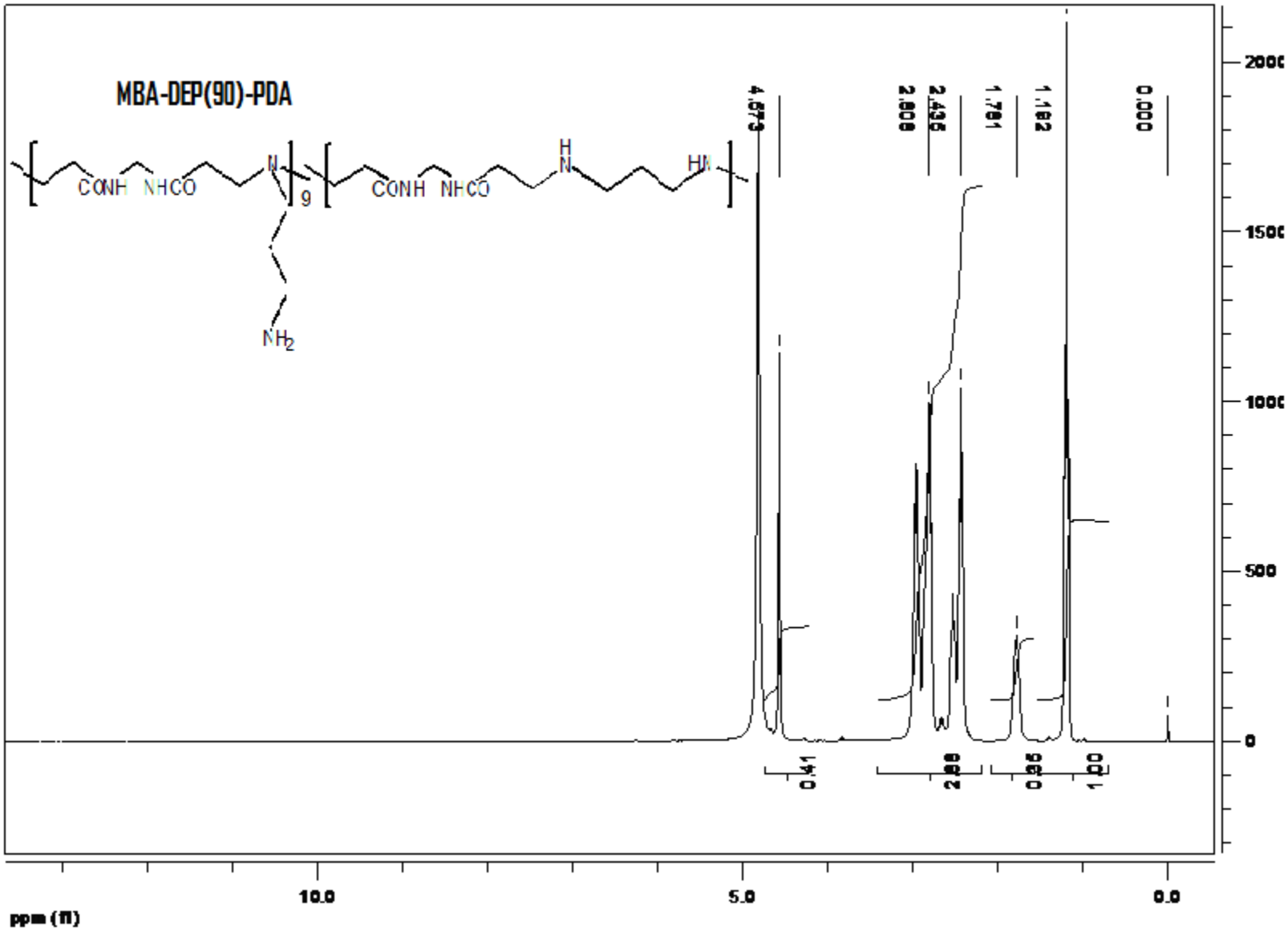

PSI-APM(50)-DEP(40)-PDA
CO
NH
CONH
5
4
N
O
NH2
3.747
3.205
2.528
1.708
1.005
0.000
2000
1500
1000
500
0
10.0
5.0
0.0
ppm (f1)

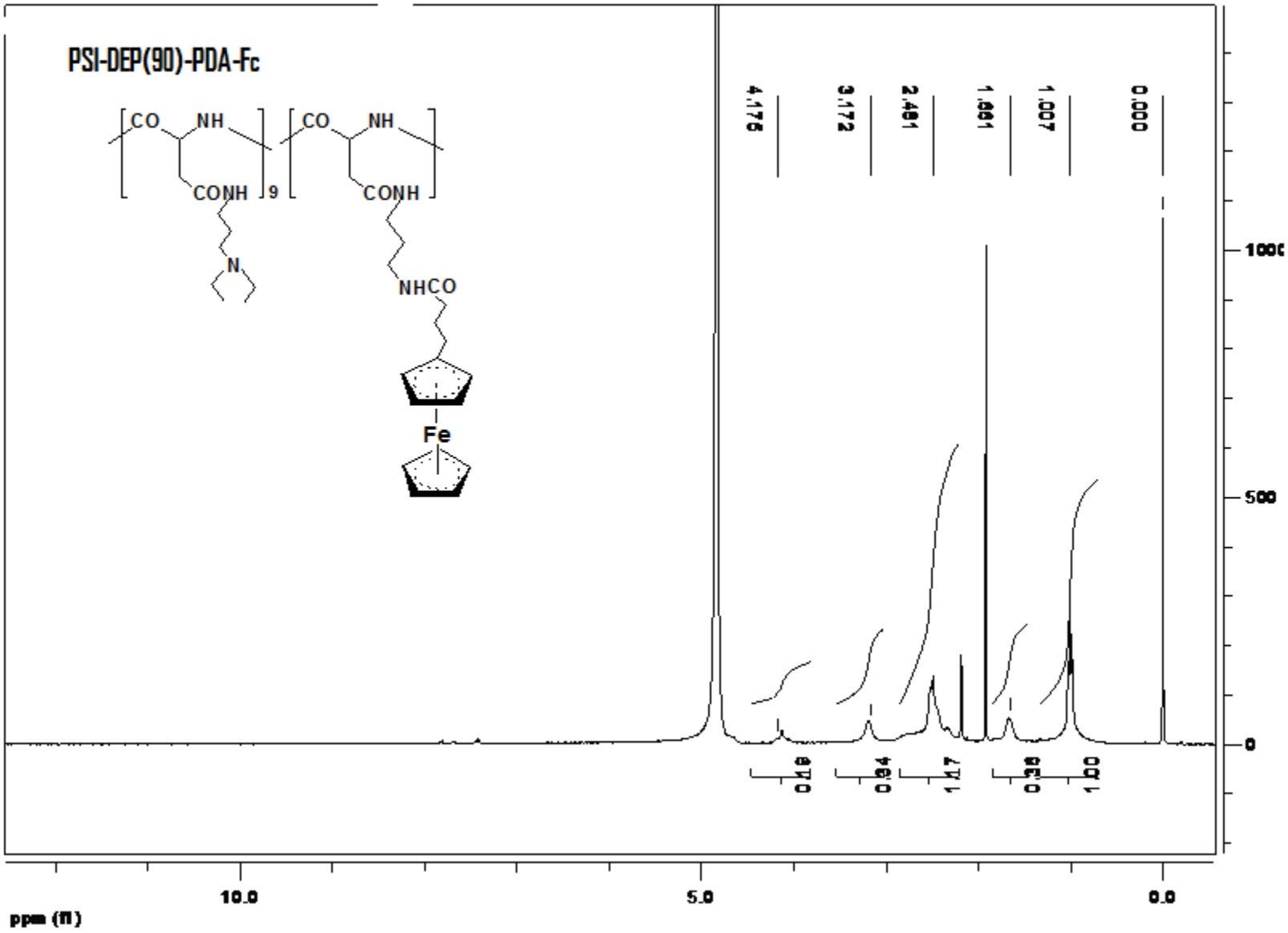

PSI-APM(50)-EA(40)-PDA
CO
NH
CONH
5
4
N
O
OH
NH2
3.748
3.211
2.533
1.714
0.000
2.00
1.96
8.43
1.00
3500
3000
2500
2000
1500
1000
500
0
-500
10.0
5.0
0.0
ppm (f1)

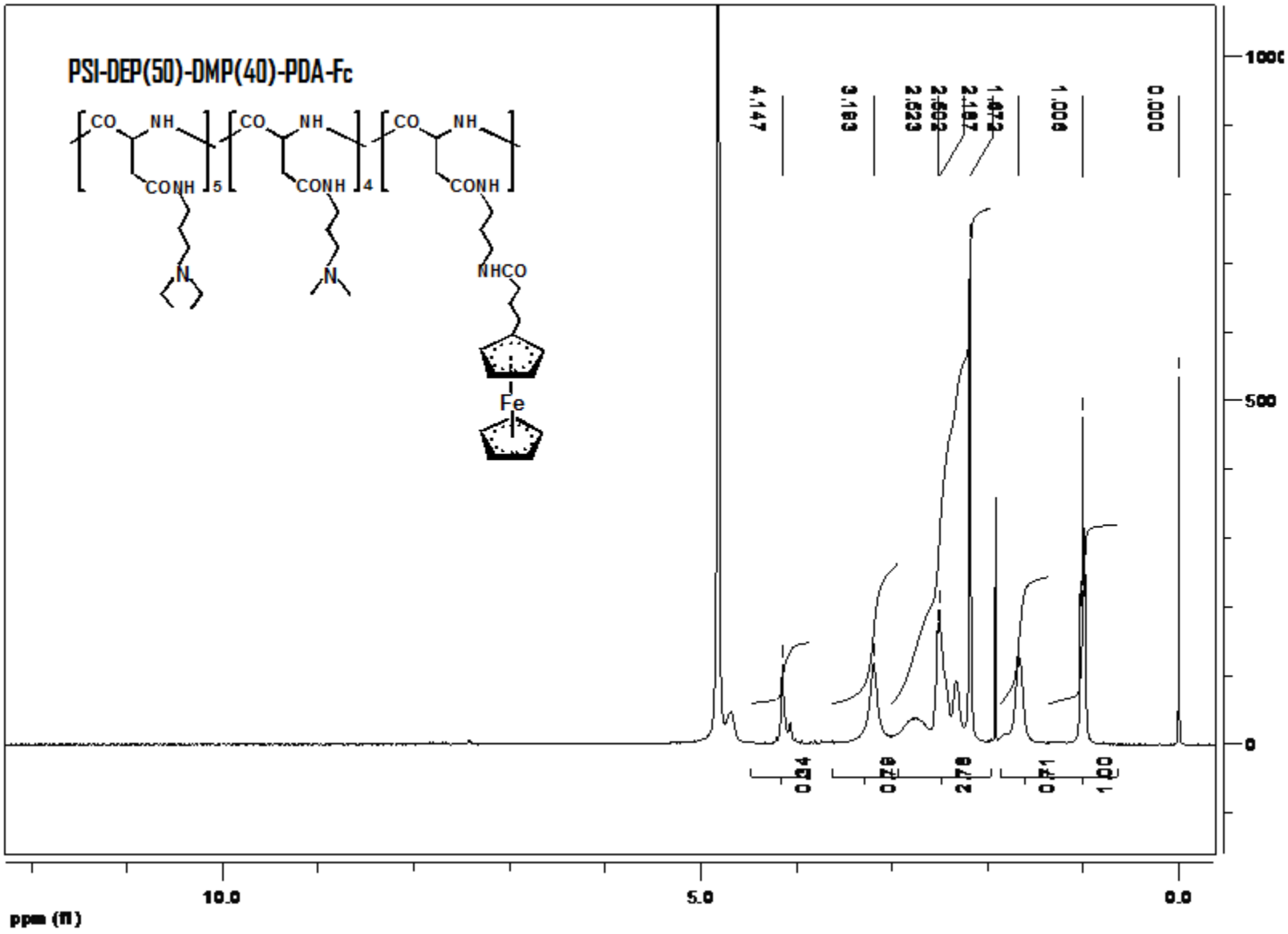

TART-TRIA
OH
CO
CONH
O
O
O
NH
x
OH
4.488
3.988
3.950
1.988
0.000
0.50
3.02
0.99
1.00
4000
3000
2000
1000
0
10.0
5.0
0.0

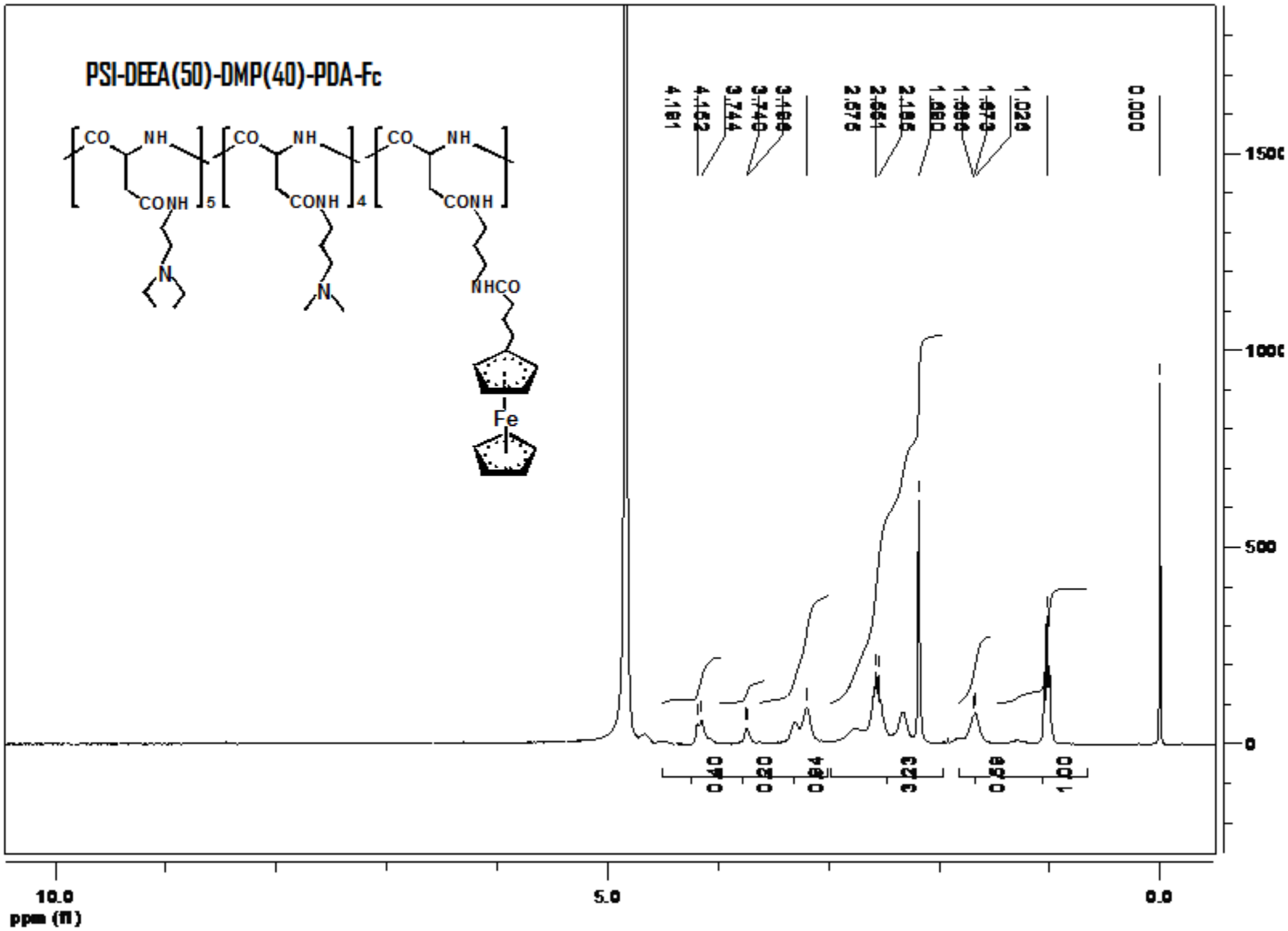

TART-EDDA
OH
CO
CONH
O
O
NH
OH
x
4.642
3.707
3.485
0.000
0.17
1.00
1500
1000
5000
0
10.0
5.0
0.0
ppm (f1)

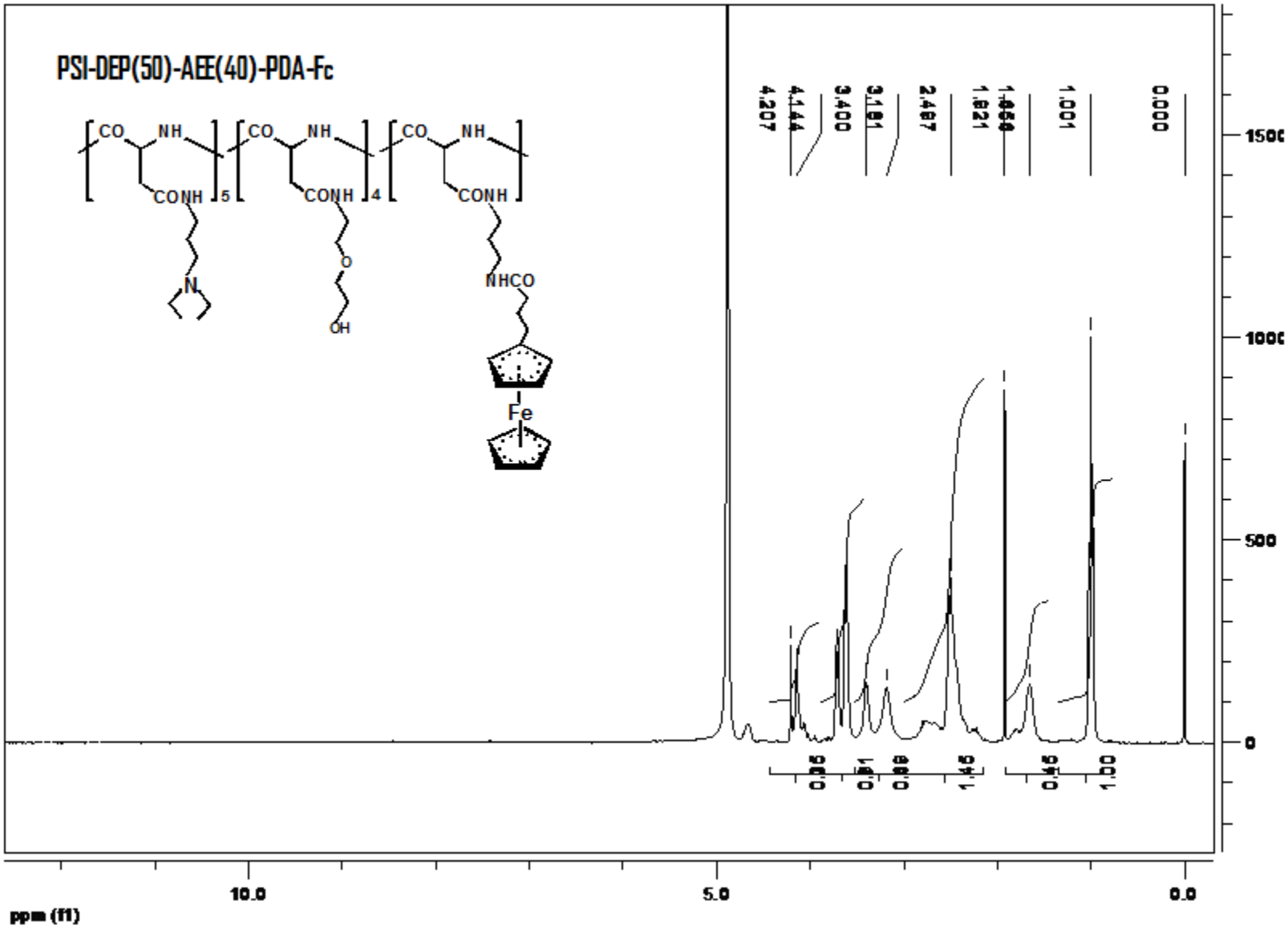

MBA-DEEA(90)-PDA
CONH NHCO
N
9
CONH NHCO
H
N
HN
NH2
4.970
2.806
2.680
2.494
1.026
0.000
0.36
2.81
1.00
2000
1500
1000
500
0
10.0
5.0
0.0
ppm (f1)

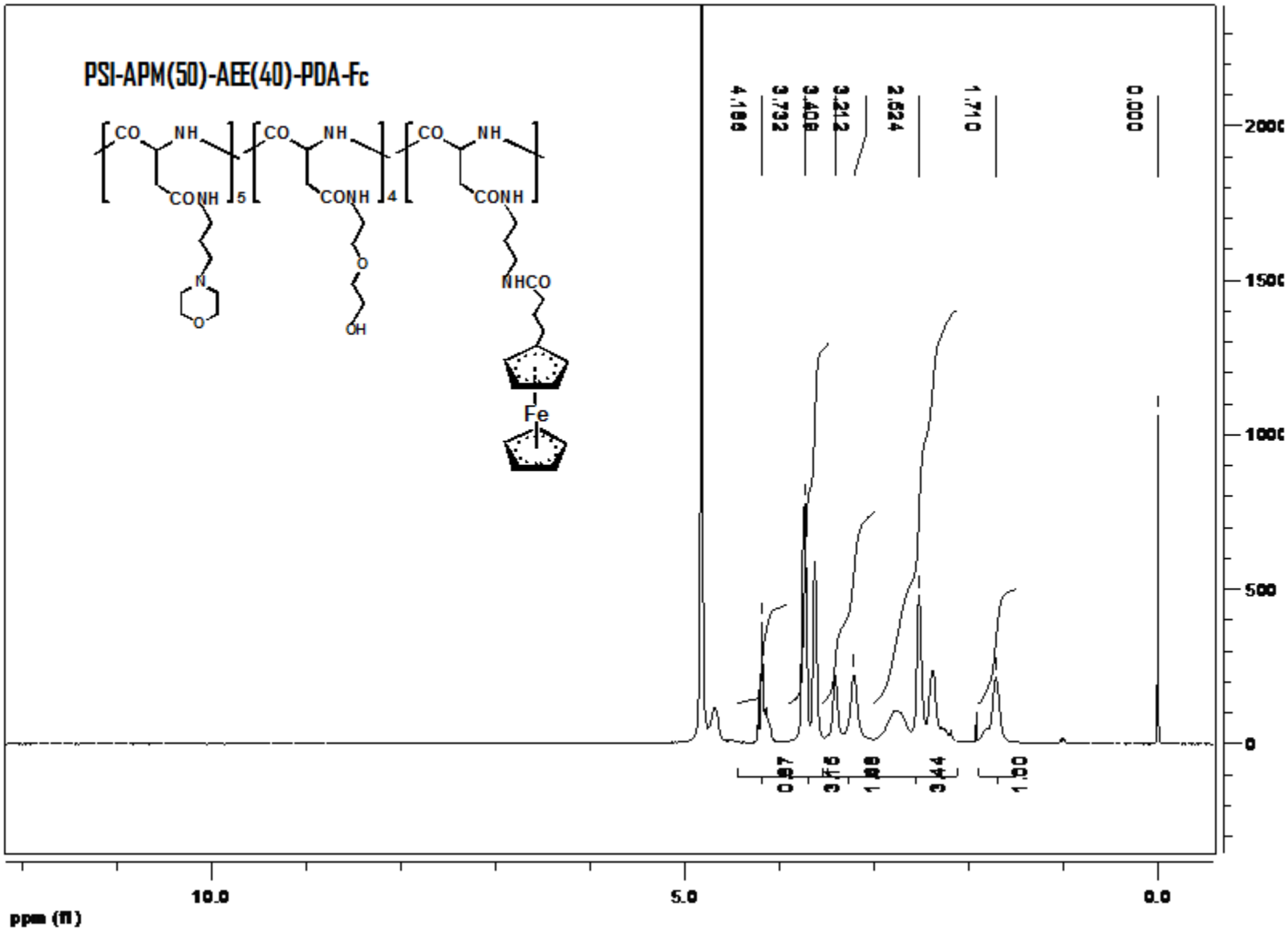

MBA-DEP(90)-PDA
CONH NHCO
9
CONH NHCO
NH2
4.873
2.809
2.435
1.791
1.182
0.000
0.41
2.00
0.85
1.00
2000
1500
1000
500
0
10.0
5.0
0.0
ppm (f1)

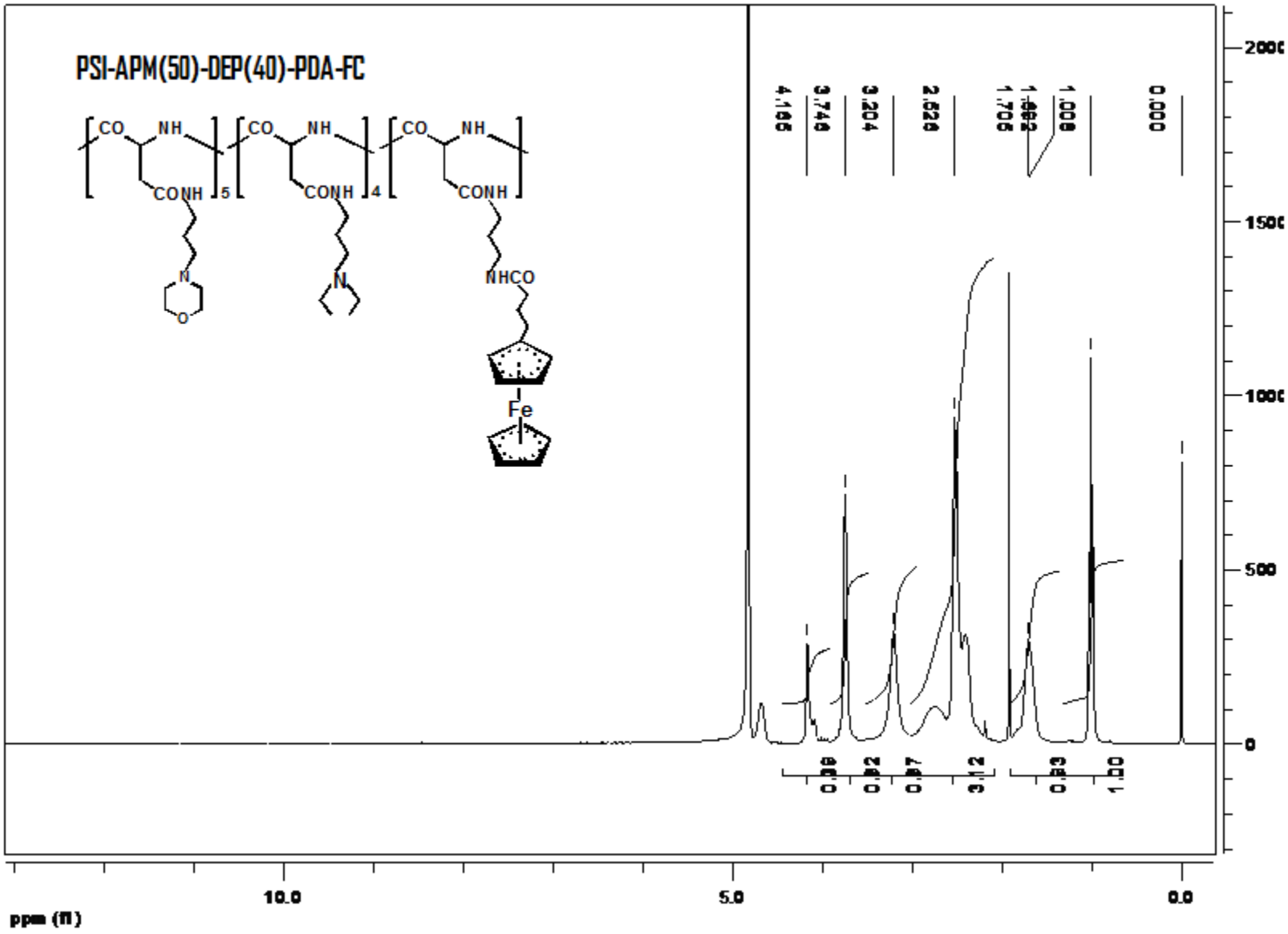

PSI-DEP(90)-PDA-Fc
CO
NH
CONH
9
N
NHCO
Fe
4.175
3.172
2.491
1.991
1.007
0.000
0.19
0.94
1.17
0.39
1.00
1000
500
0
10.0
5.0
0.0
ppm (f1)

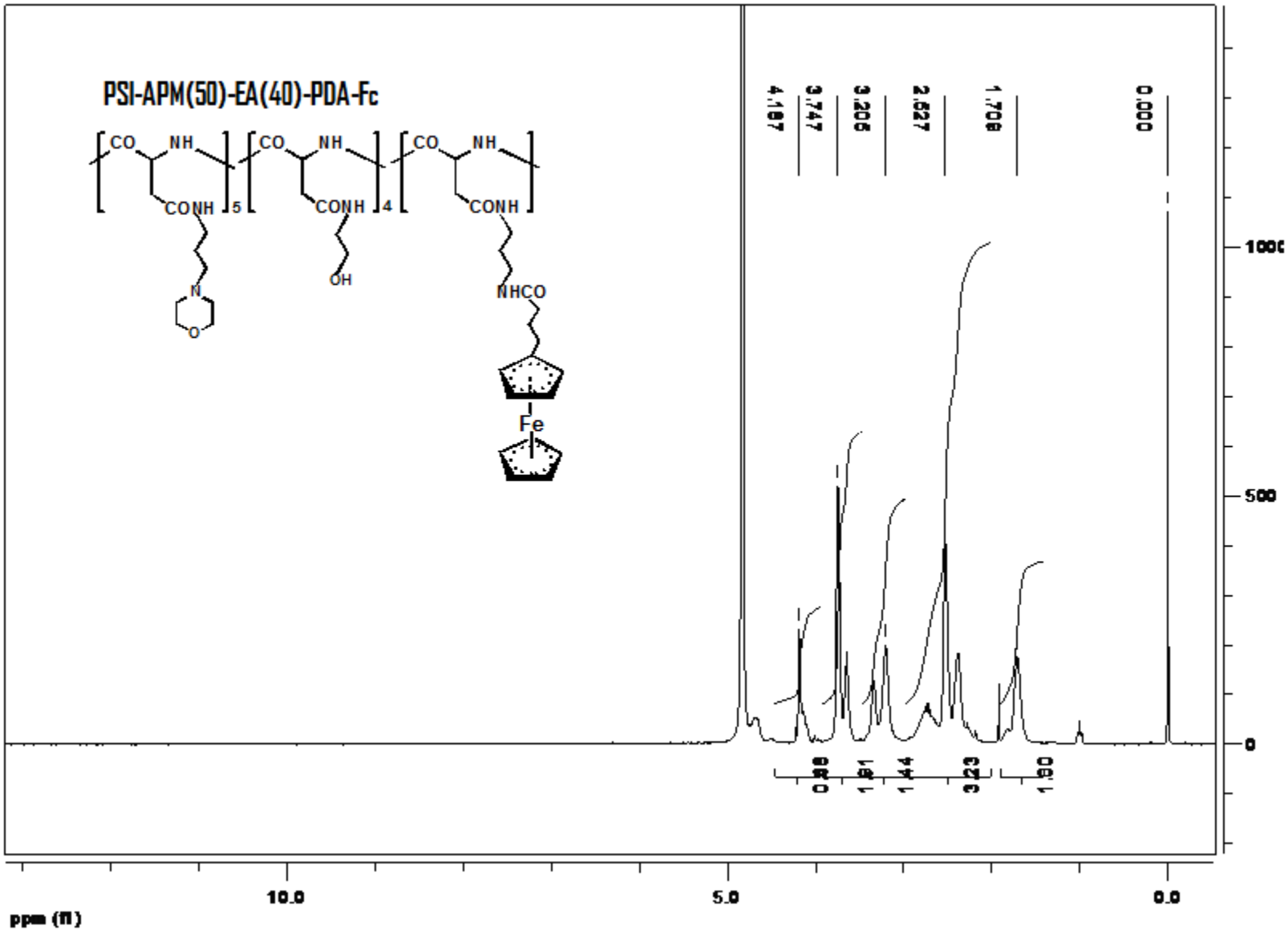

PSI-DEP(50)-DMP(40)-PDA-Fc
CO
NH
CONH
5
4
N
NHCO
Fe
4.147
3.183
2.523
1.000
0.000
10.0
5.0
0.0
ppm (f1)

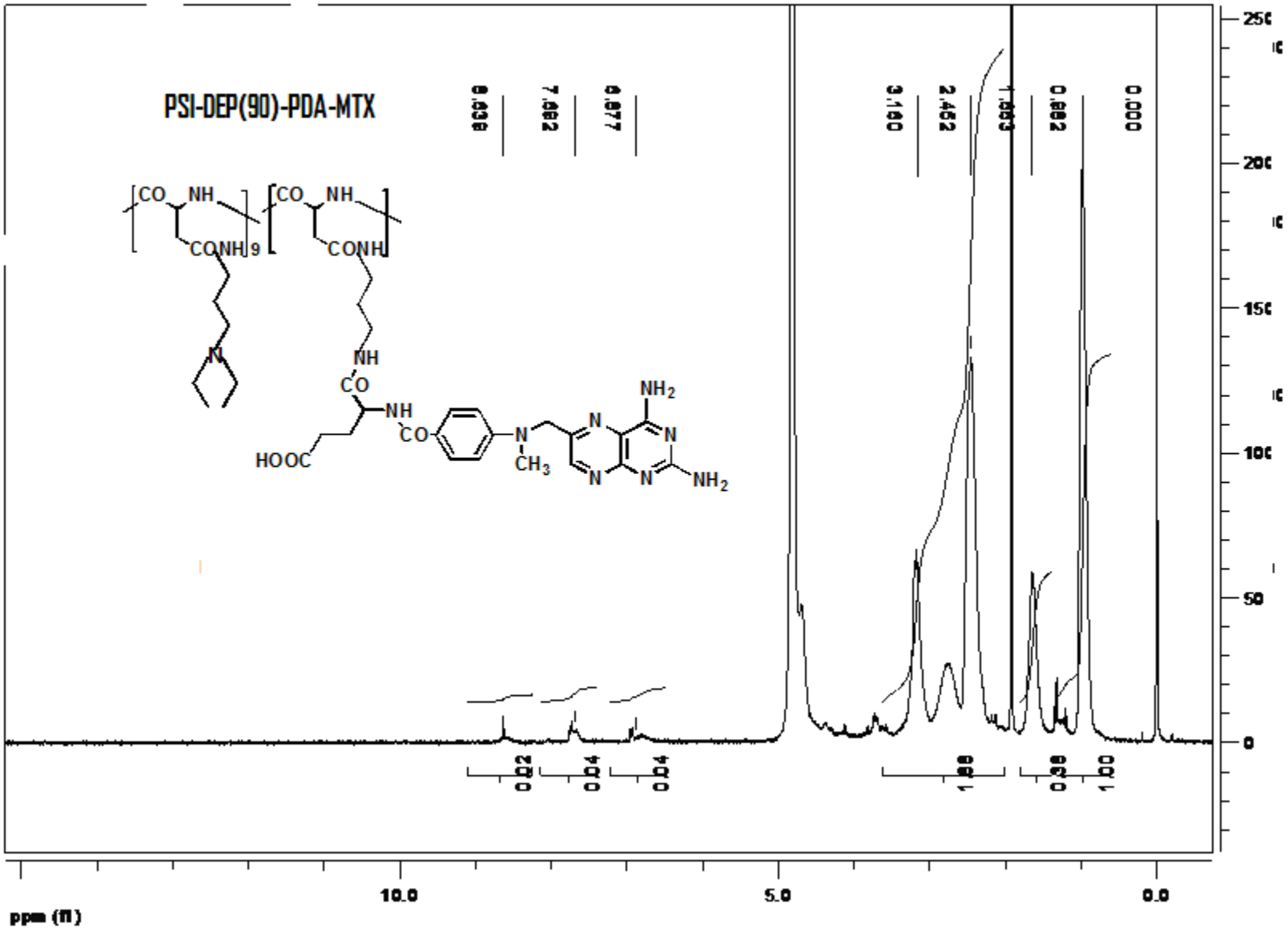

PSI-DEEA(50)-DMP(40)-PDA-Fc
CO
NH
CONH
5
4
N
NHCO
Fe
4.181
4.152
3.744
3.740
2.575
2.551
2.195
1.980
1.973
1.026
0.000
0.40
0.20
0.94
3.23
0.80
1.00
1500
1000
500
0
10.0
ppm (f1)
5.0
0.0

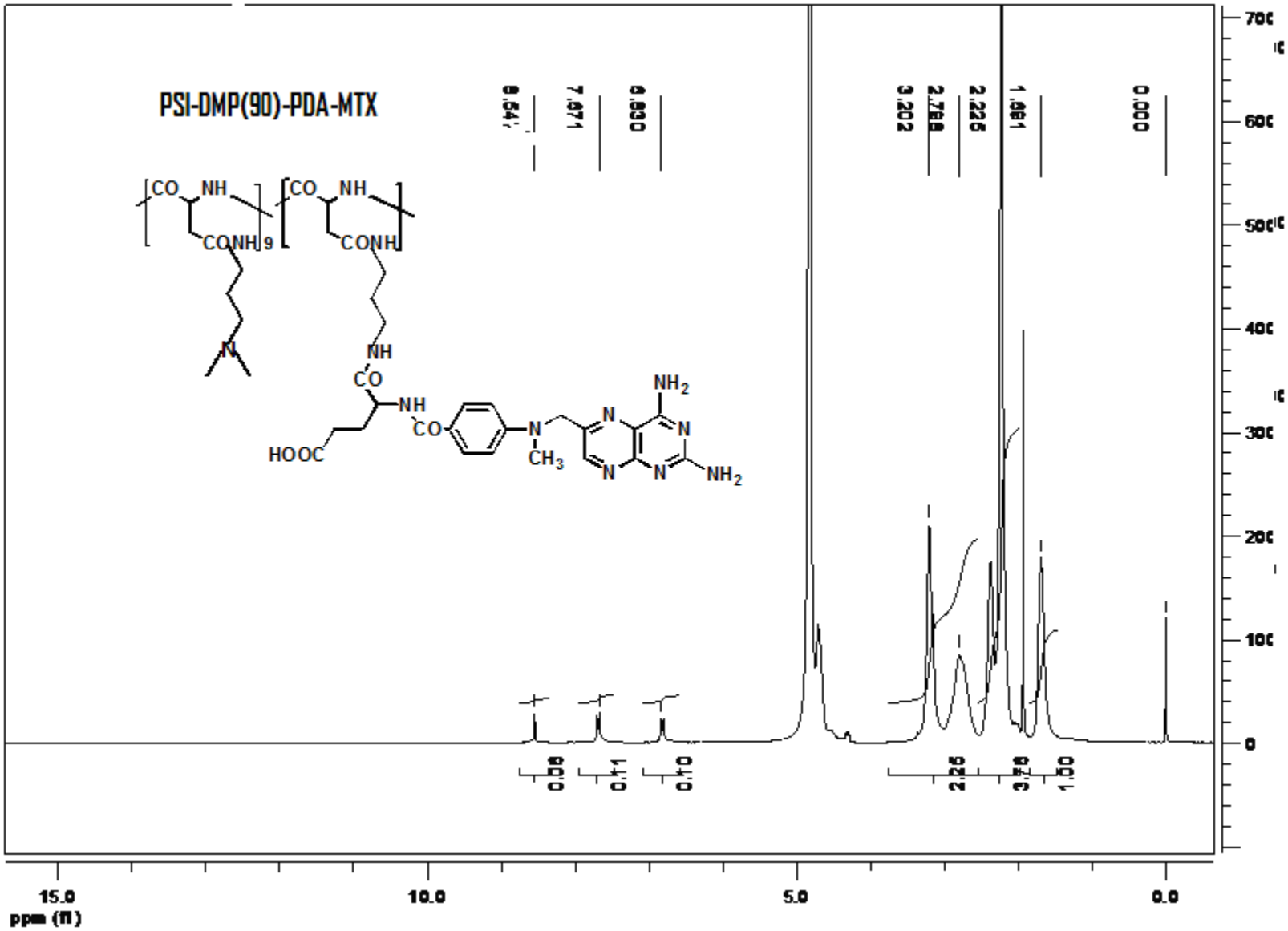

PSI-DEP(50)-AEE(40)-PDA-Fc
CO
NH
CONH
5
4
N
O
OH
NHCO
Fe
4.207
4.144
3.400
3.181
2.487
1.821
1.001
0.000
1500
1000
500
0
10.0
5.0
0.0
ppm (f1)

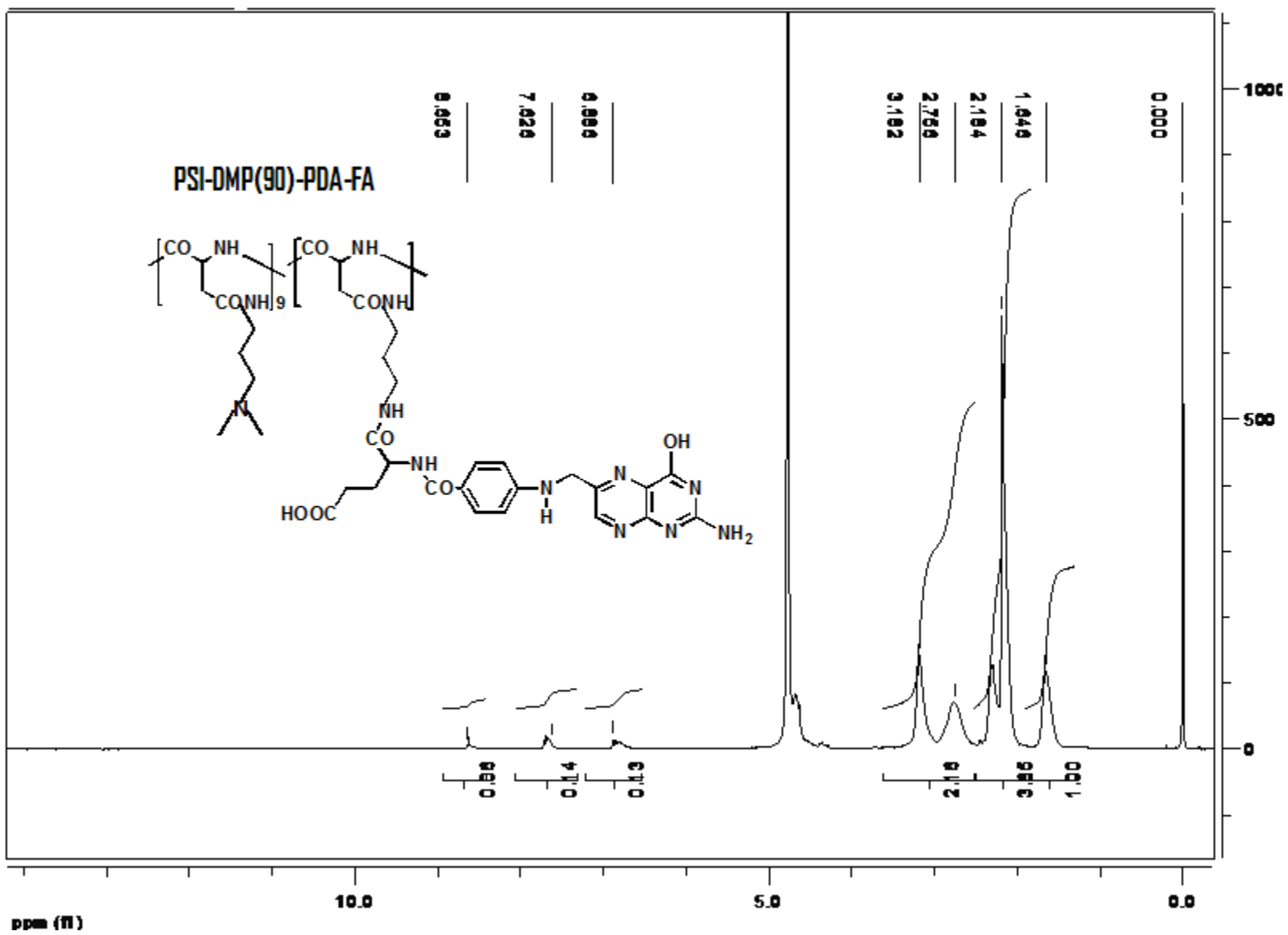

PSI-APM(50)-AEE(40)-PDA-Fc
CO
NH
CONH
5
4
N
O
OH
NHCO
Fe
4.186
3.732
3.408
3.212
2.624
1.710
0.000
2000
1500
1000
500
0
10.0
5.0
0.0
ppm (f1)

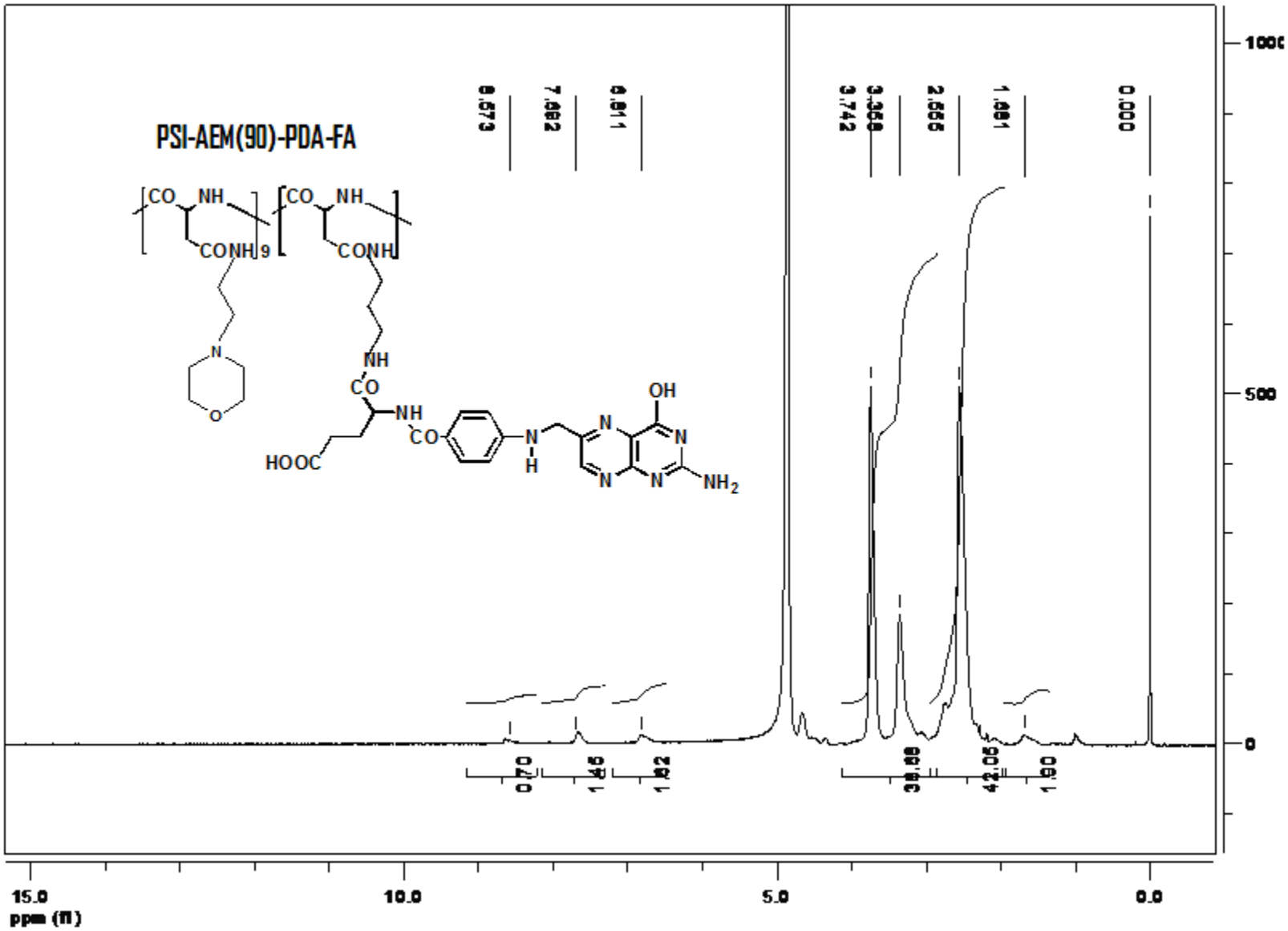

PSI-APM(50)-DEP(40)-PDA-FC
CO
NH
CONH
5
4
N
O
NHCO
Fe
4.196
3.746
3.204
2.529
1.705
1.000
0.000
2000
1500
1000
500
0
10.0
5.0
0.0
ppm (f1)

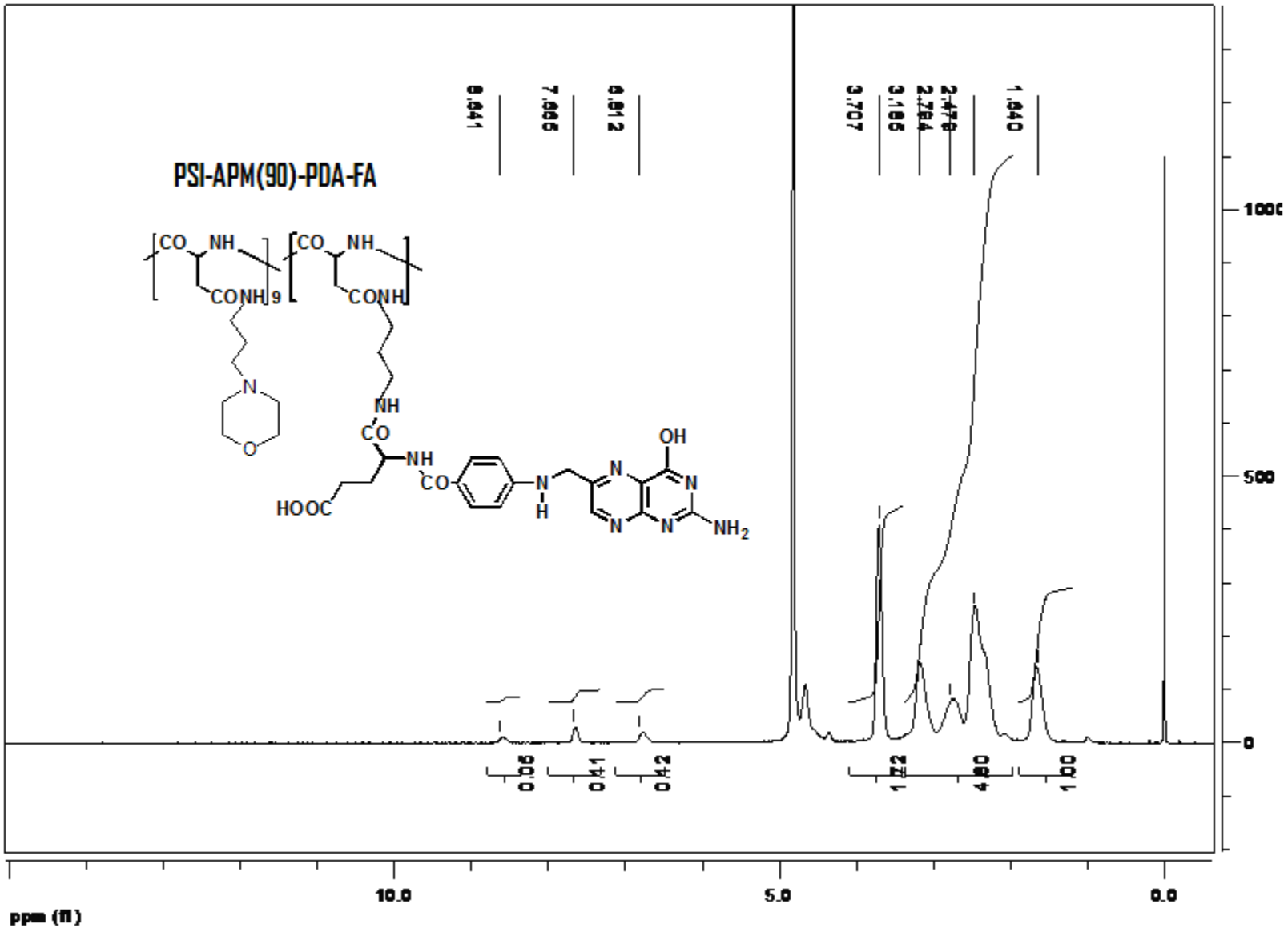

PSI-APM(50)-EA(40)-PDA-Fc
CO
NH
CONH
5
4
OH
N
O
NHCO
Fe
4.187
3.747
3.205
2.527
1.709
0.000
1000
500
0
10.0
5.0
0.0
ppm (f1)

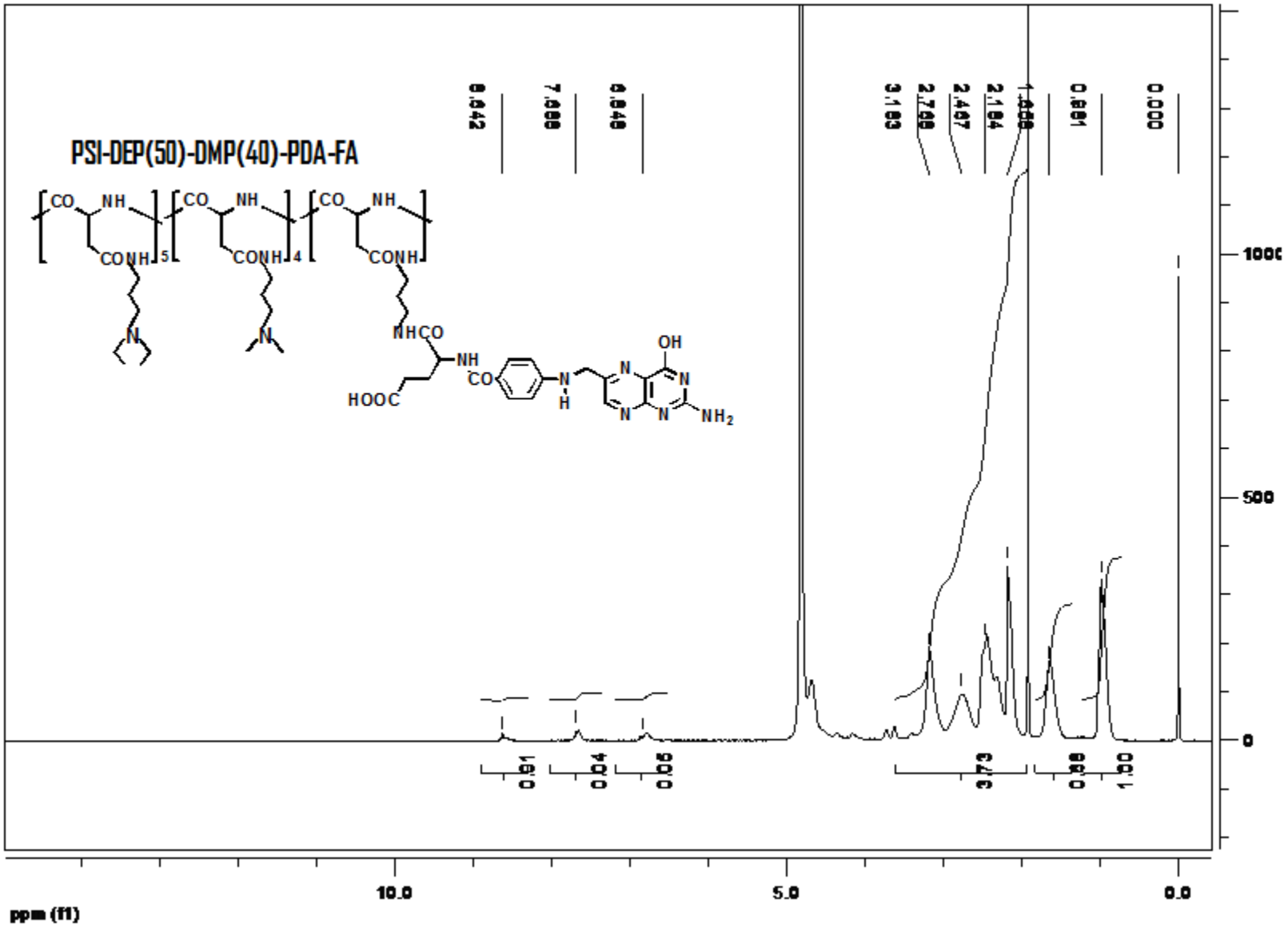

PSI-DEP(90)-PDA-MTX
8.038
7.992
6.977
3.190
2.452
1.000
0.882
0.000
0.02
0.04
0.04
1.00
1.00
10.0
5.0
0.0
ppm (f1)

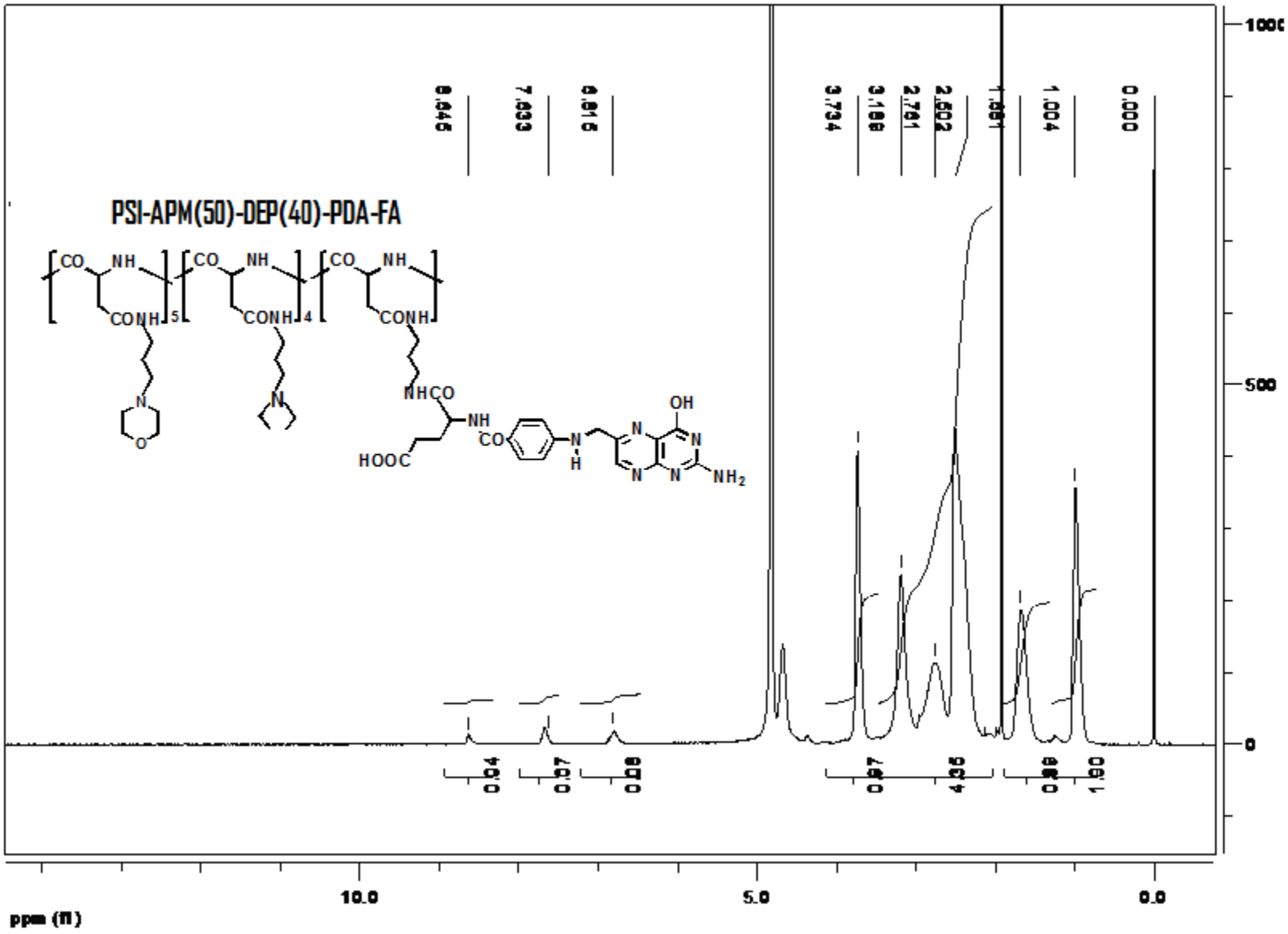

PSI-DMP(90)-PDA-MTX
8.541
7.971
6.830
3.202
2.788
2.225
1.991
0.000
0.09
0.11
0.10
2.25
3.79
1.00
15.0
10.0
5.0
0.0
ppm (f1)

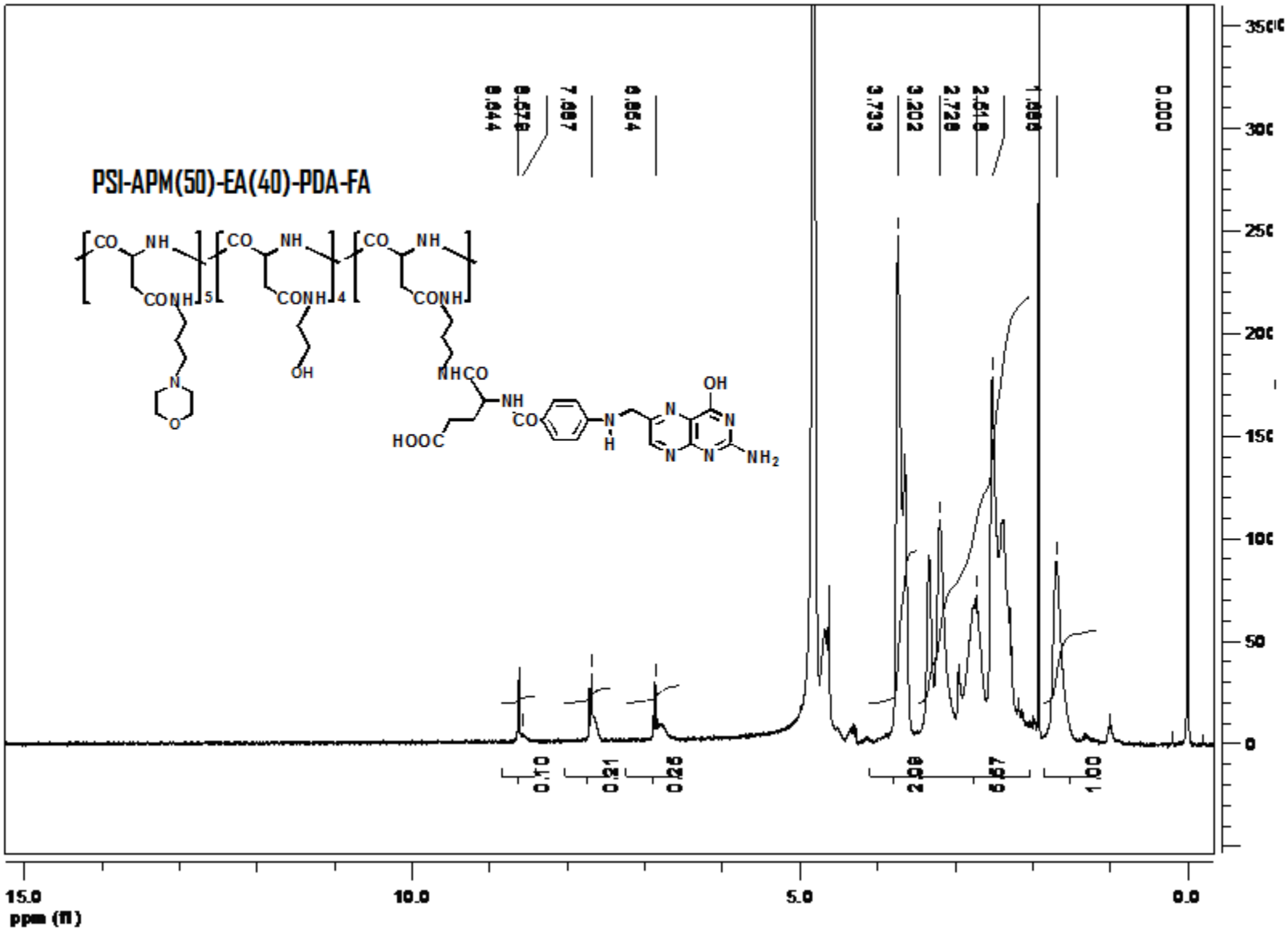

PSI-DMP(90)-PDA-FA
8.663
7.020
6.886
3.192
2.760
2.184
1.840
0.000
10.0
5.0
0.0
ppm (f1)

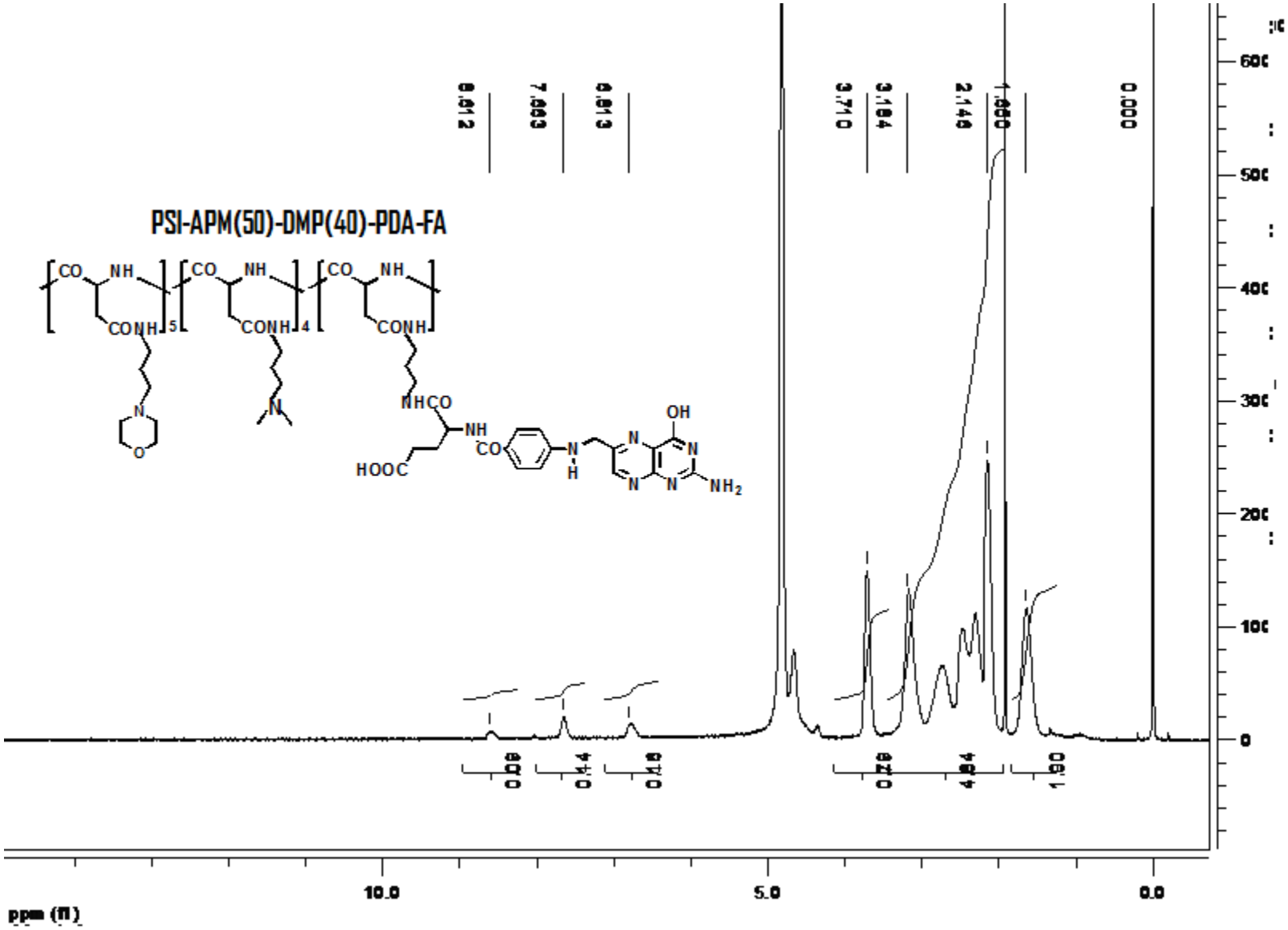

PSI-AEM(90)-PDA-FA
8.573
7.892
6.811
3.742
3.359
2.555
1.691
0.000
0.70
1.45
1.92
38.68
42.05
1.90
15.0
10.0
5.0
0.0
ppm (f1)
1000
500
0

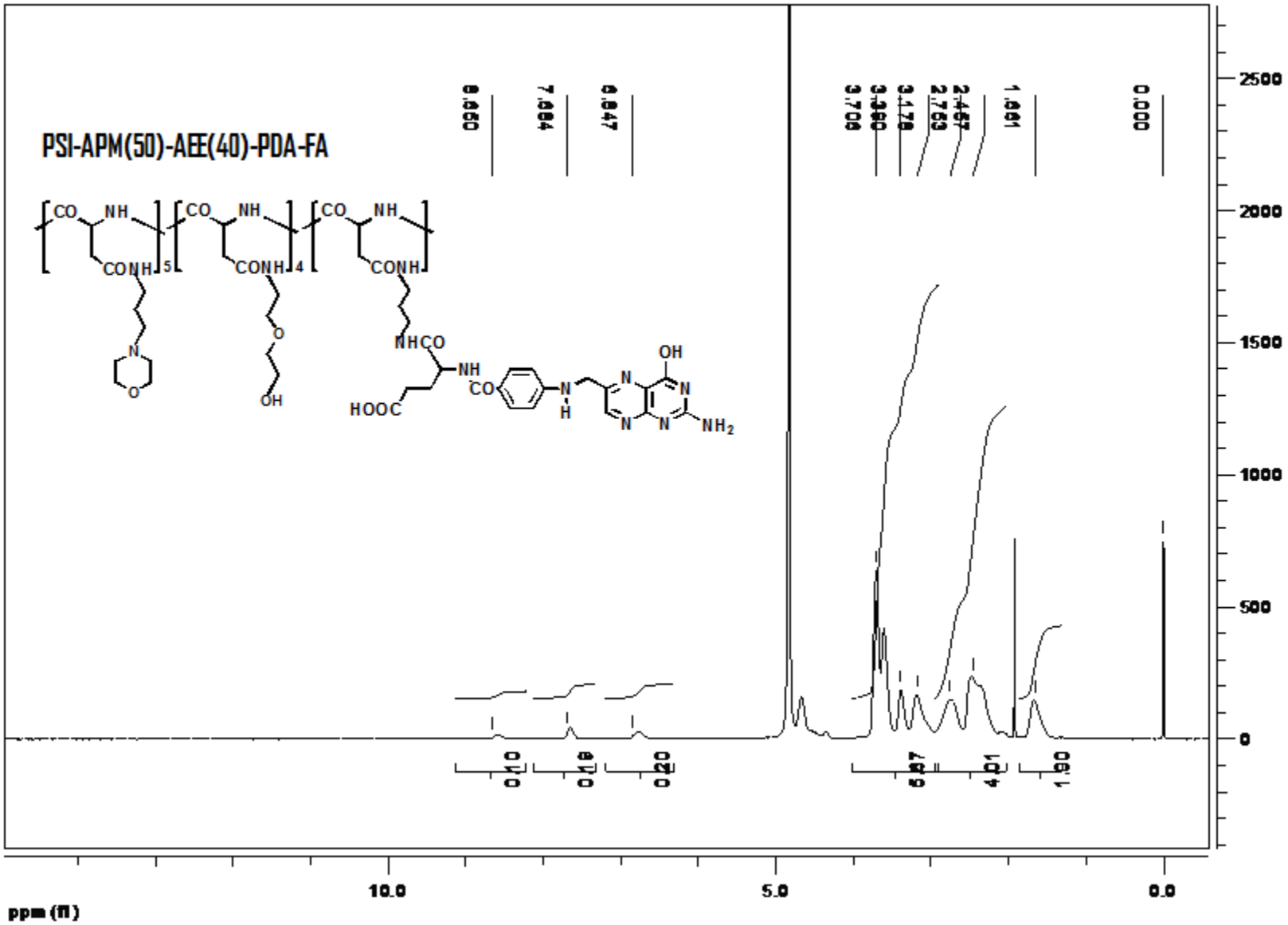

PSI-APM(90)-PDA-FA
8.641
7.995
6.812
3.707
3.186
2.784
2.479
1.940
0.06
0.41
0.42
1.72
4.80
1.00
10.0
5.0
0.0
ppm (f1)

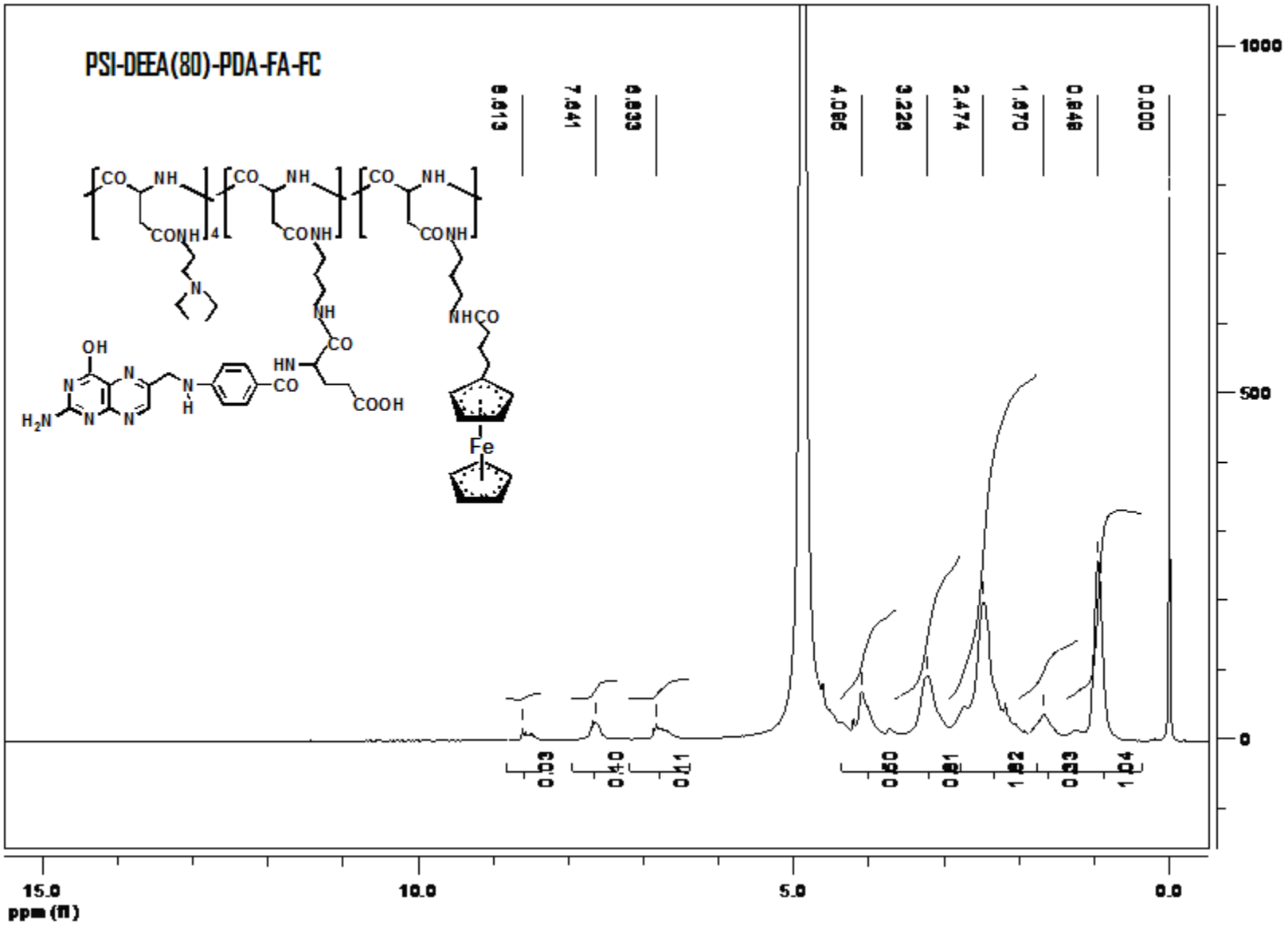

PSI-DEP(50)-DMP(40)-PDA-FA
8.042
7.888
6.848
3.183
2.799
2.467
2.184
1.888
0.881
0.000
1000
500
0
10.0
5.0
0.0
ppm (f1)

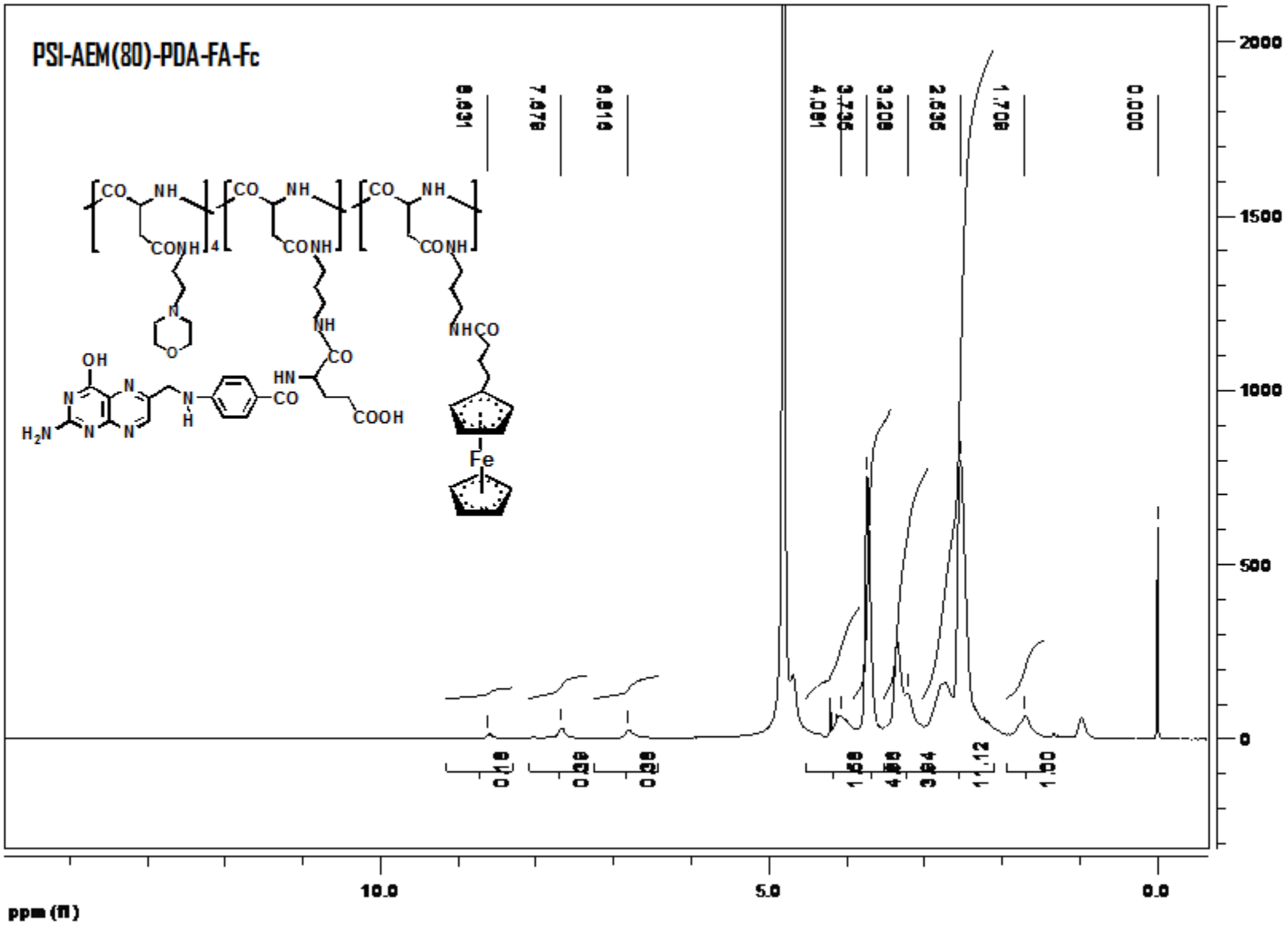

PSI-APM(50)-DEP(40)-PDA-FA
8.645
7.933
6.815
3.734
3.198
2.791
2.602
1.991
1.004
0.000
10.0
5.0
0.0
ppm (f1)


PSI-APM(50)-EA(40)-PDA-FA
8.044
8.570
7.997
6.854
3.733
3.202
2.728
2.518
1.000
0.000
0.10
0.21
0.26
2.00
6.87
1.00
15.0
10.0
5.0
0.0
ppm (f1)


PSI-APM(50)-DMP(40)-PDA-FA
8.012
7.993
6.813
3.710
3.184
2.149
1.000
0.000
10.0
5.0
0.0
ppm (f1)


PSI-APM(50)-AEE(40)-PDA-FA
8.050
7.984
6.947
3.706
3.380
3.178
2.753
2.457
1.991
0.000
0.10
0.19
0.20
5.07
4.01
1.90
2500
2000
1500
1000
500
0
10.0
5.0
0.0
ppm (f1)


PSI-DEEA(80)-PDA-FA-FC
8.613
7.941
6.833
4.086
3.220
2.474
1.970
0.848
0.000
0.03
0.10
0.11
0.80
0.81
1.92
0.83
1.04
1000
500
0
15.0
10.0
5.0
0.0
ppm (f1)


PSI-AEM(80)-PDA-FA-Fc
8.031
7.078
6.810
4.081
3.736
3.208
2.635
1.708
0.000
2000
1500
1000
500
0
10.0
5.0
0.0
ppm (f1)