

New Effective Inhibitors of the Abelson Kinase

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a Department of Chemistry, Iowa State University, Ames, IA 50011

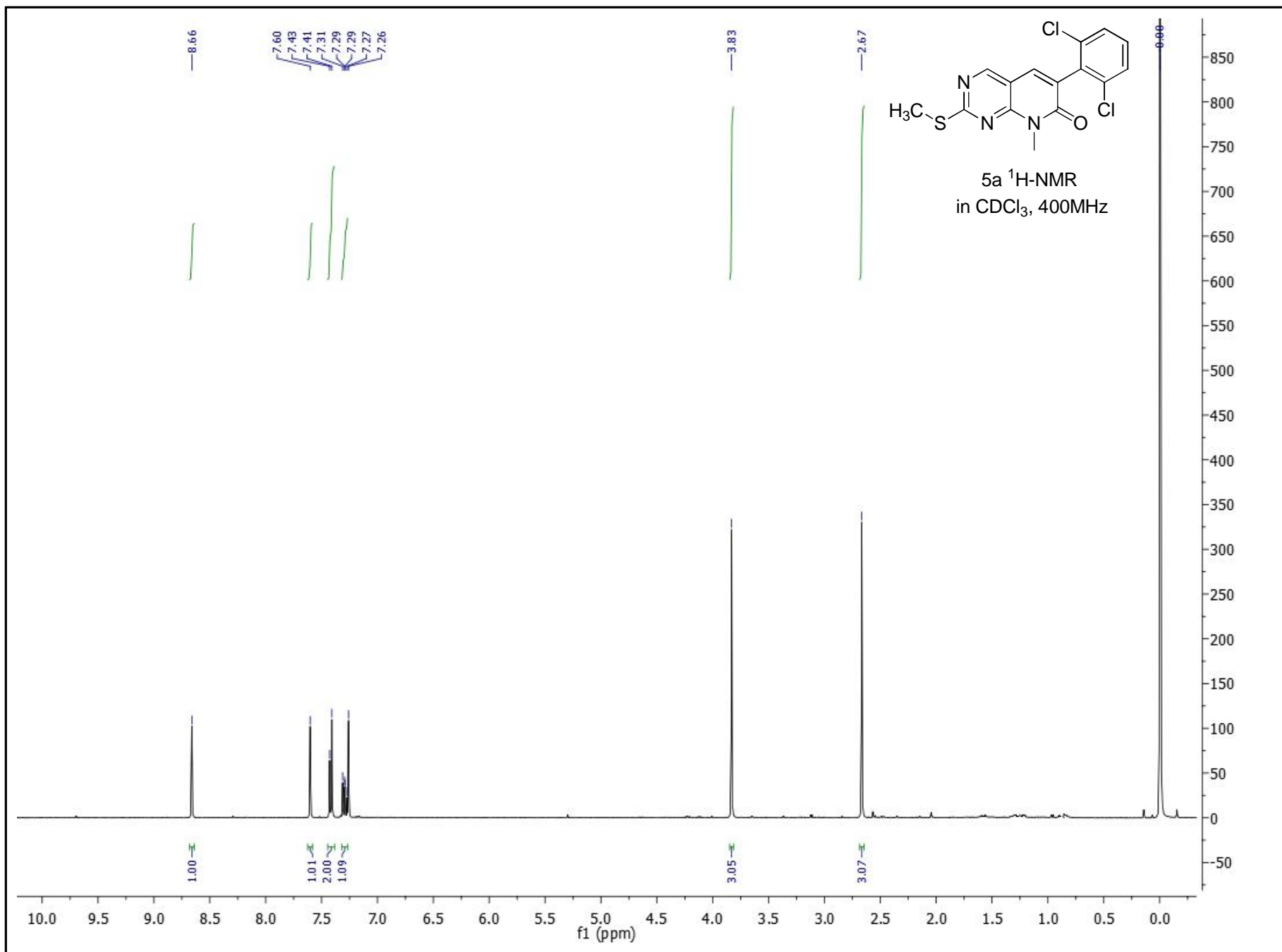
b Molecular Express Inc., Ames, IA 50014

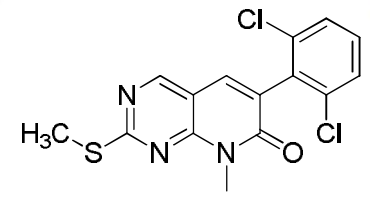
c Department of Biochemistry, Biophysics and Molecular Biology, Iowa State University, Ames, IA 50010

Supporting information: ¹H-NMR and ¹³C-NMR of compounds

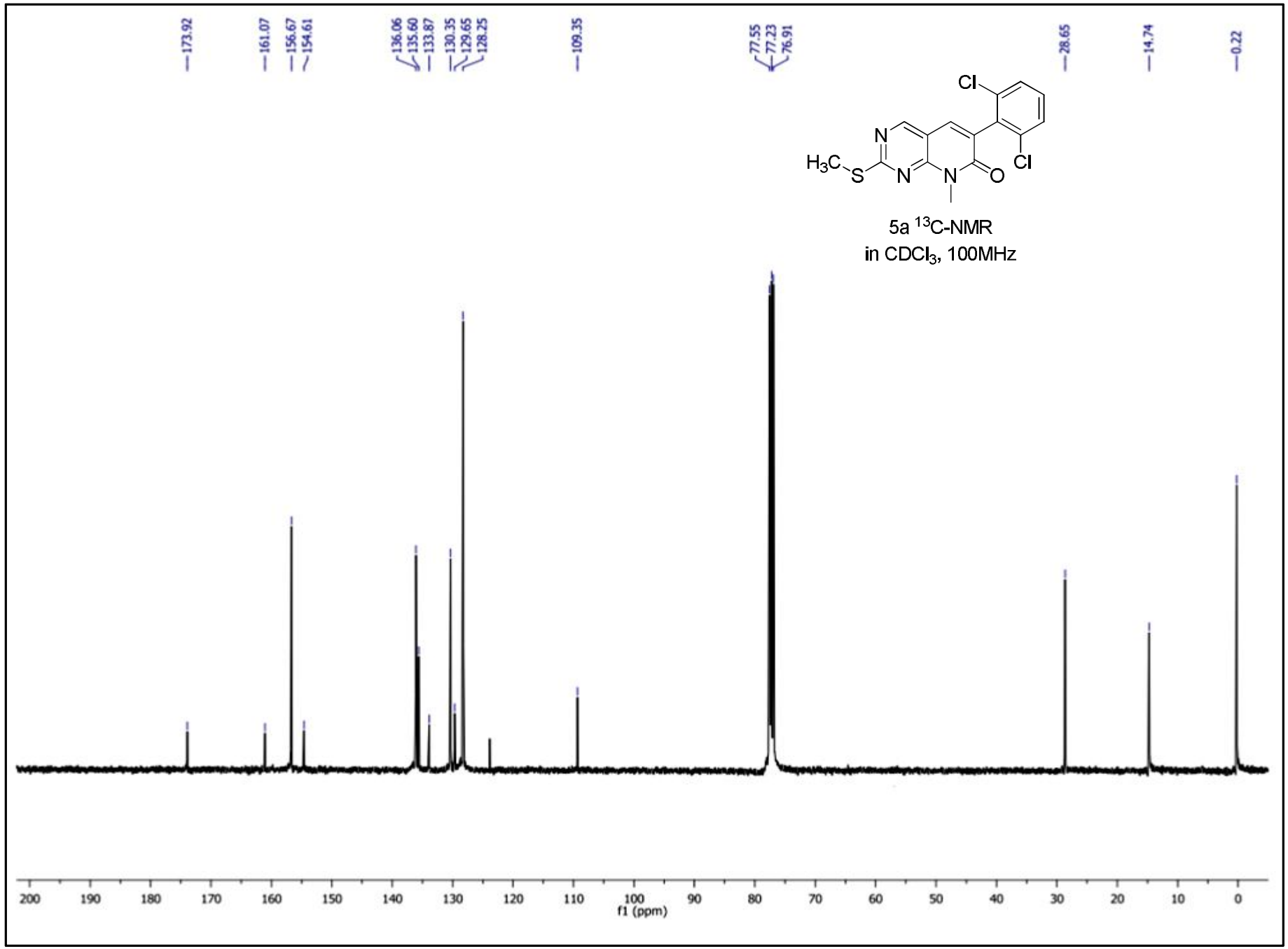
** Corresponding author. Tel. +1 515 294 7794; fax: +1 515 294 0105.*

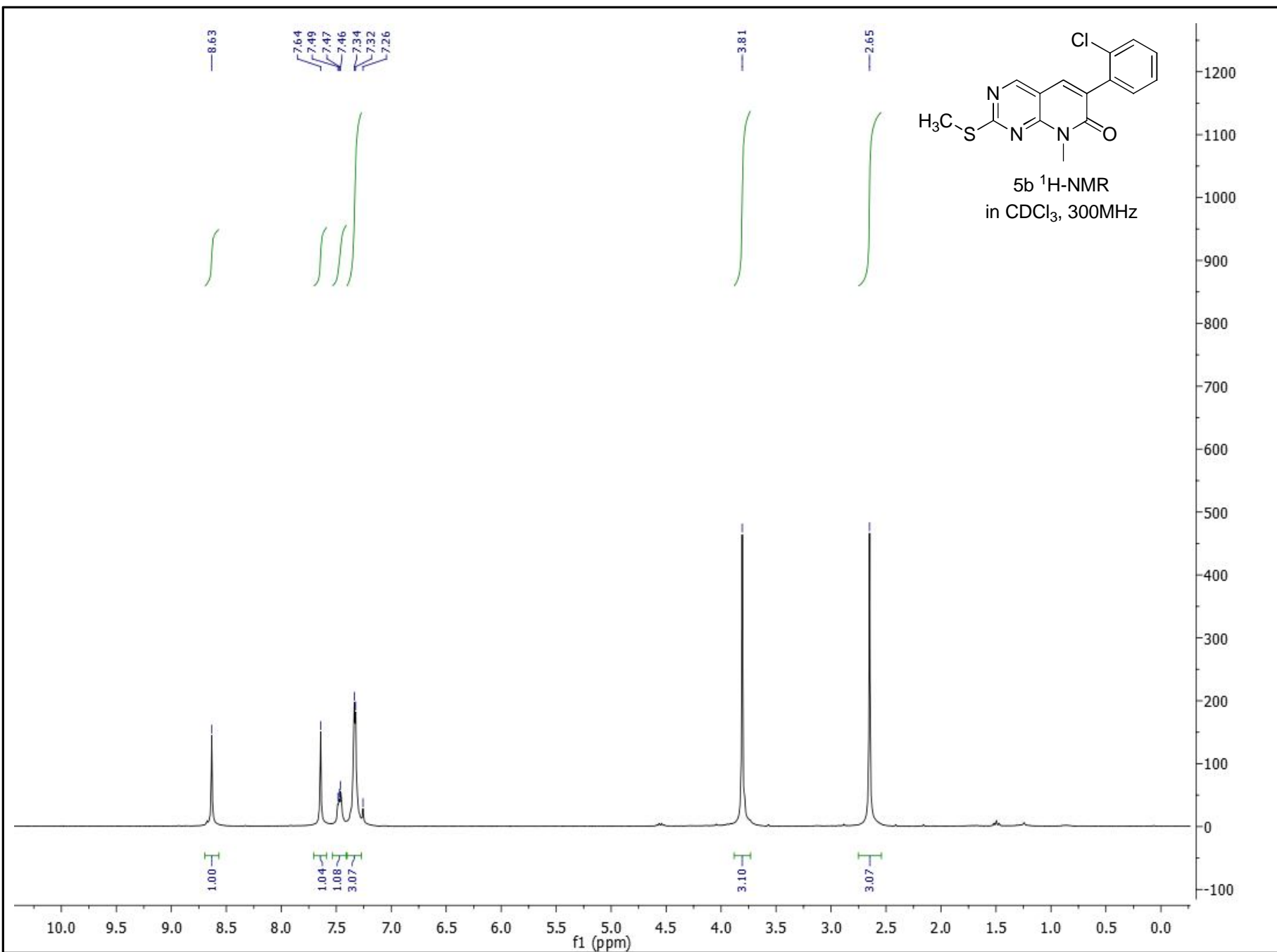
E-mail address: gakraus@iastate.edu (G.A. Kraus).

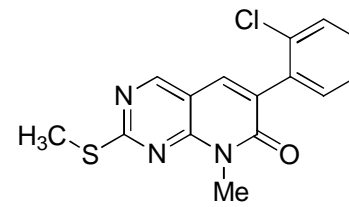




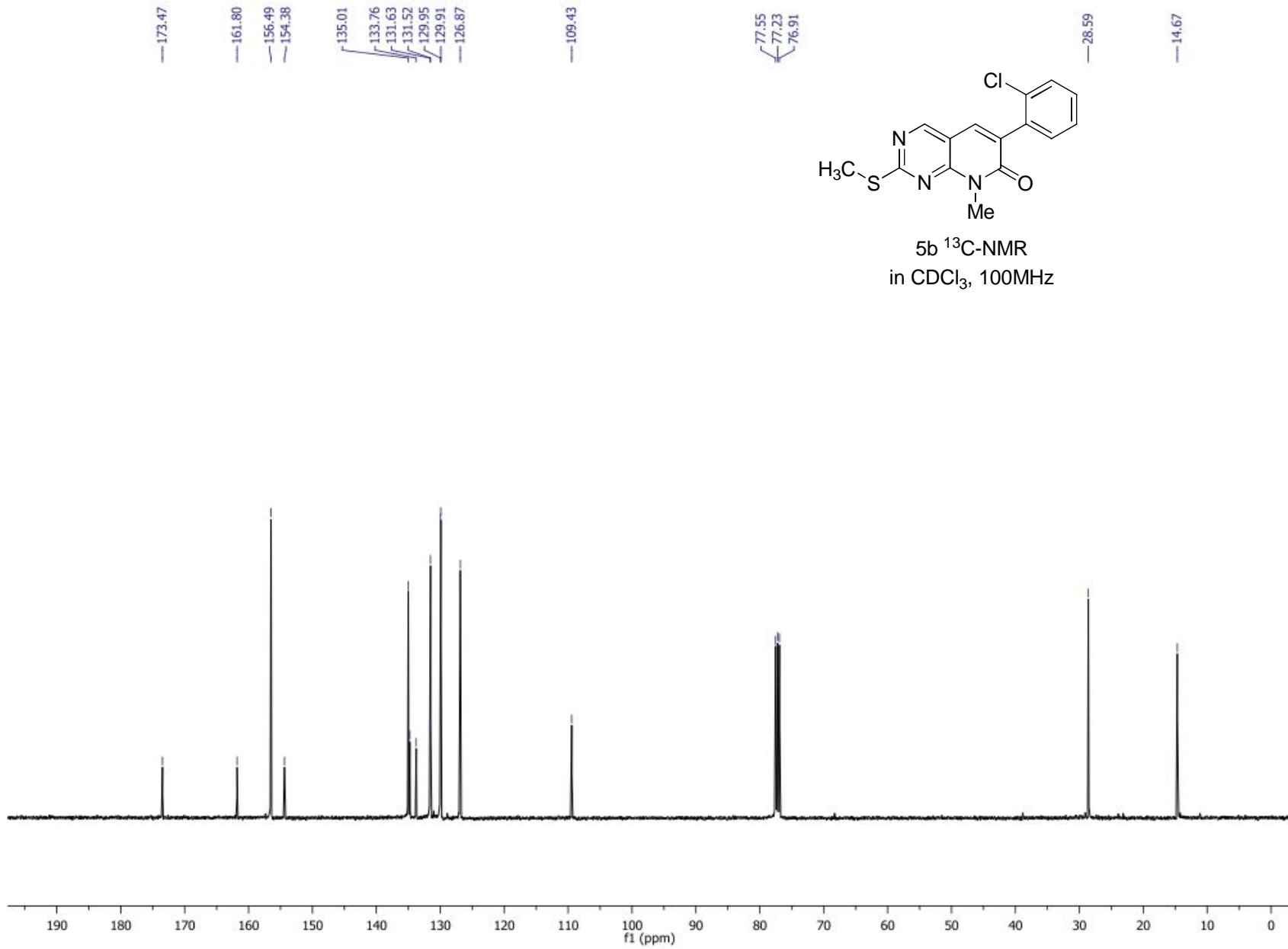
5a ¹³C-NMR
in CDCl₃, 100MHz

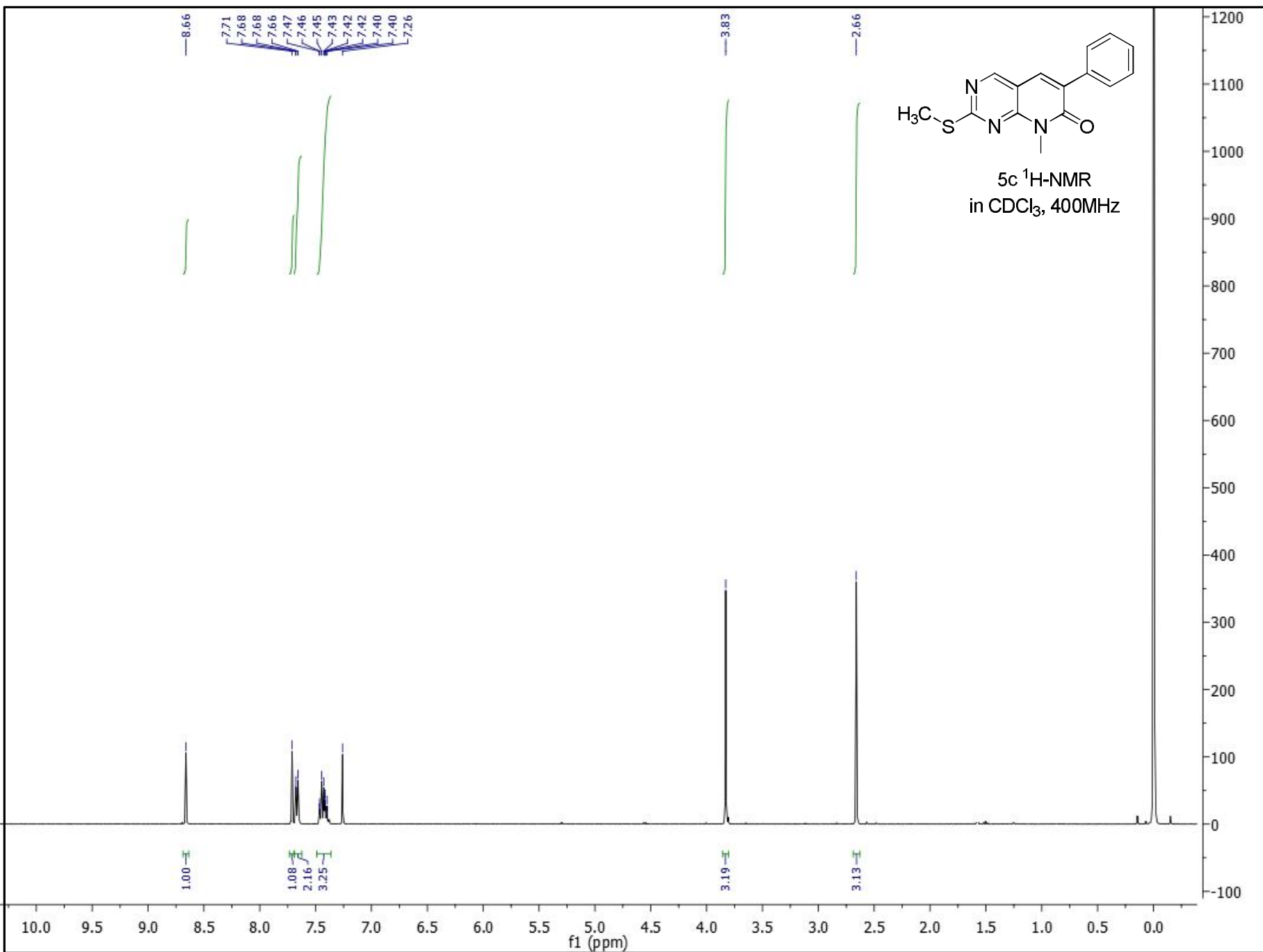


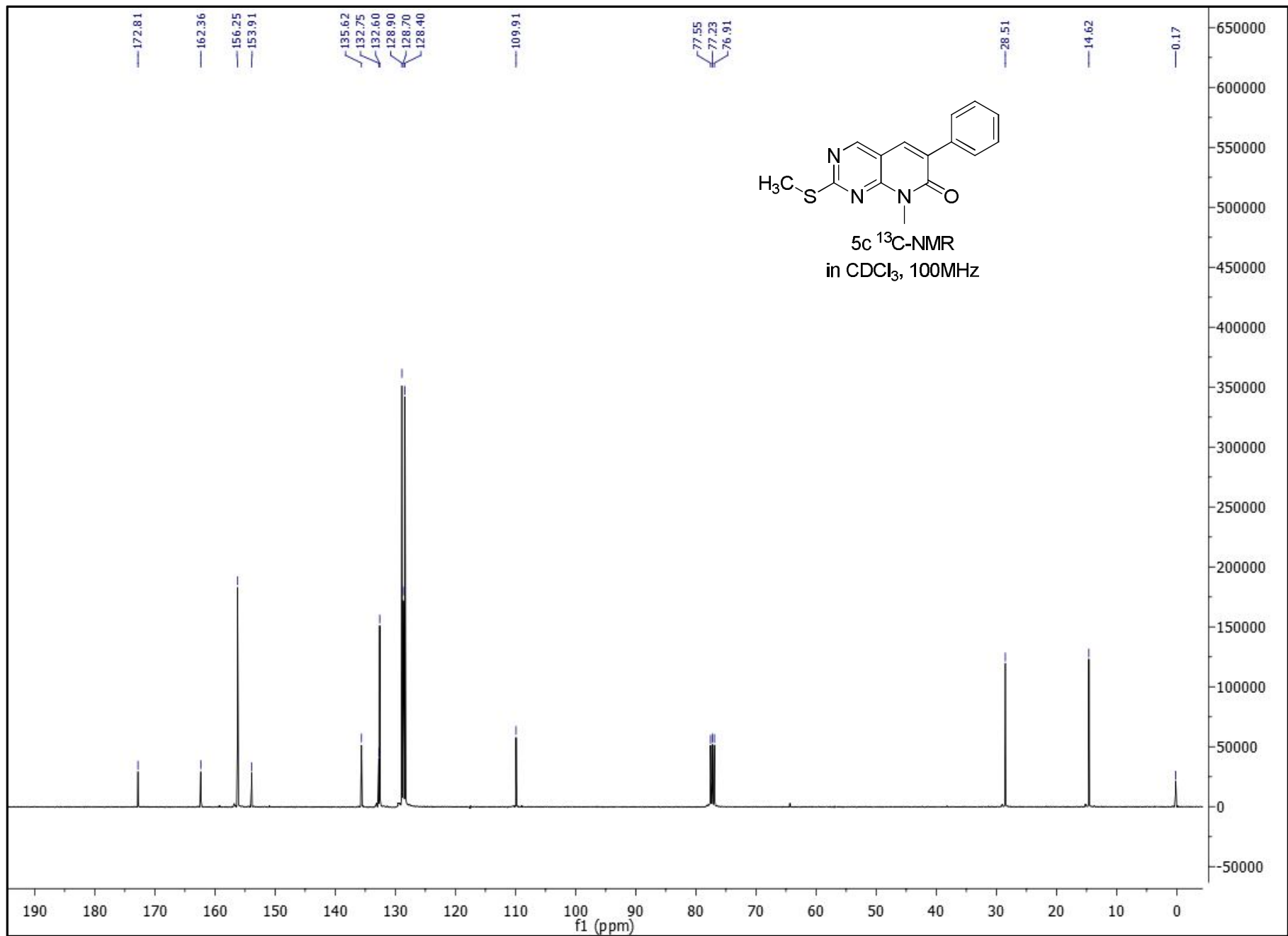


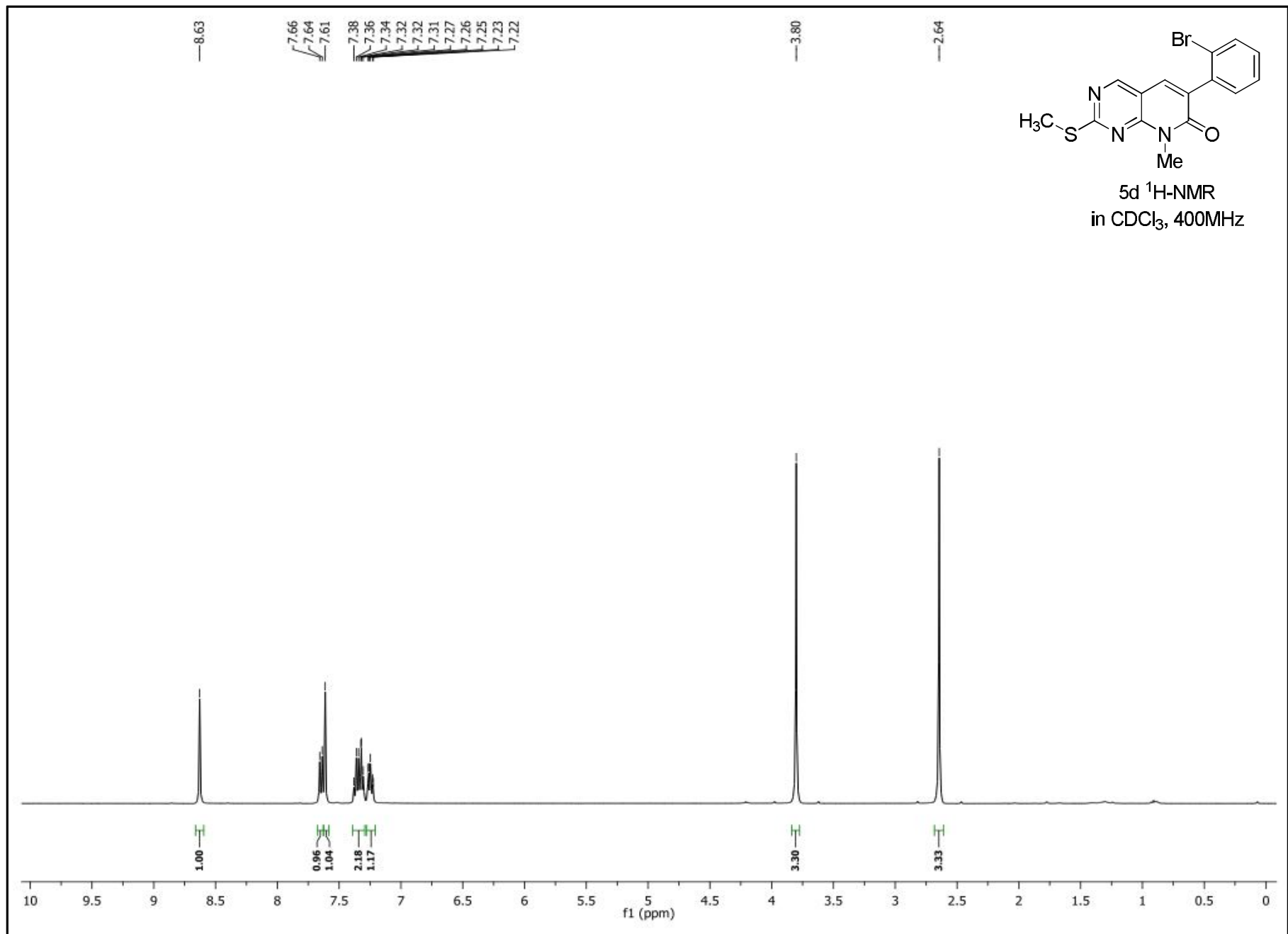


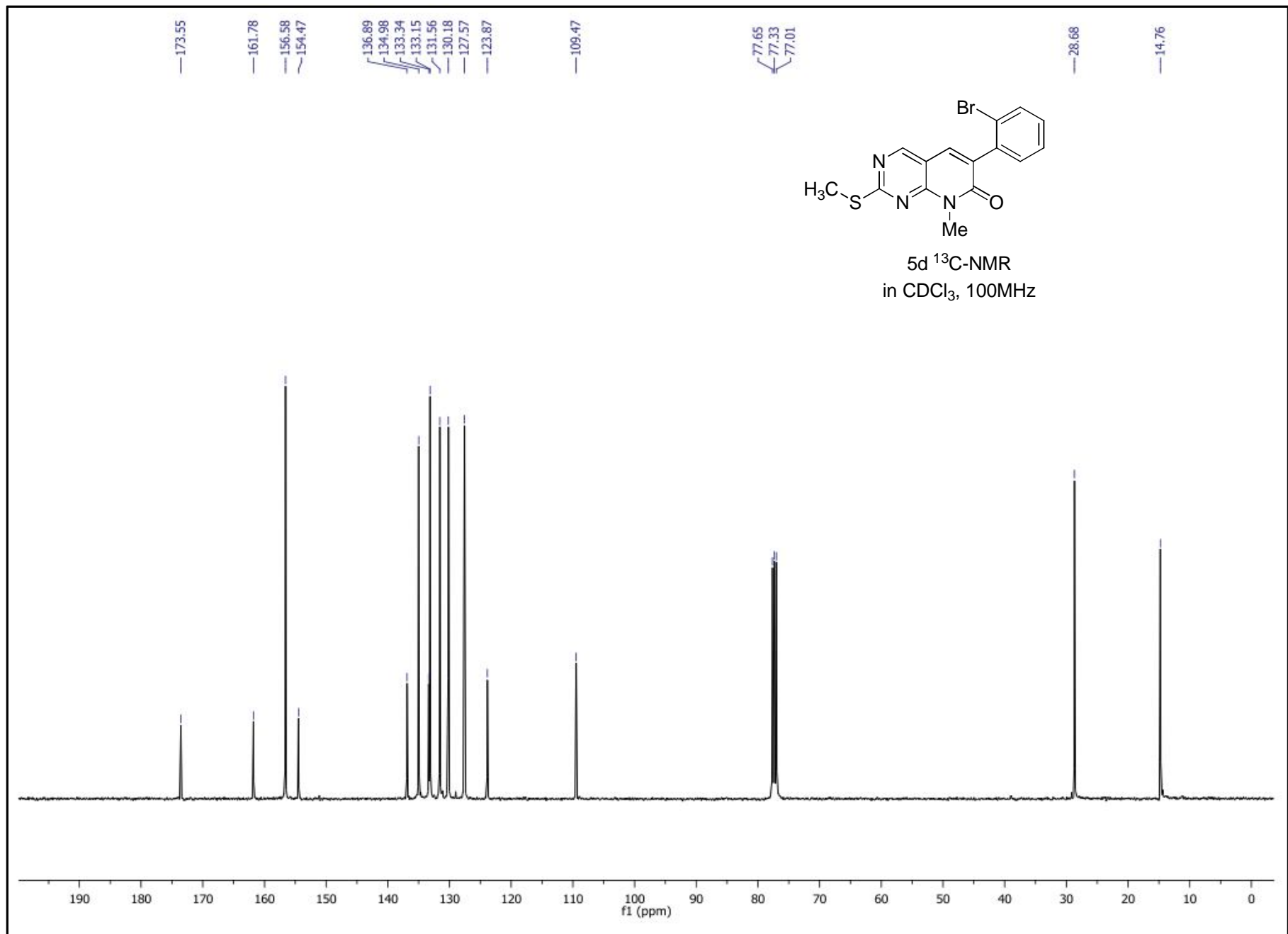
5b ¹³C-NMR
in CDCl₃, 100MHz

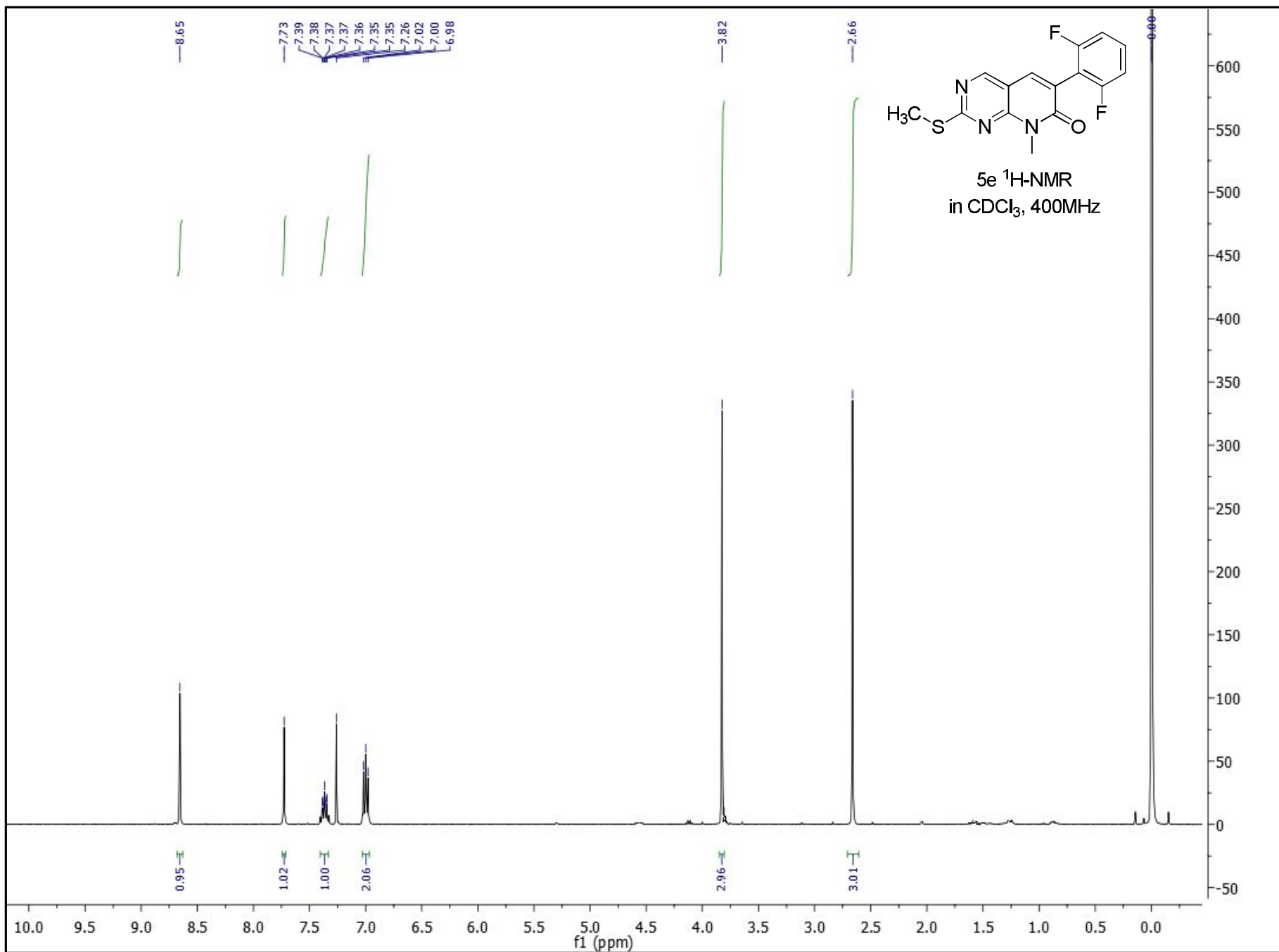


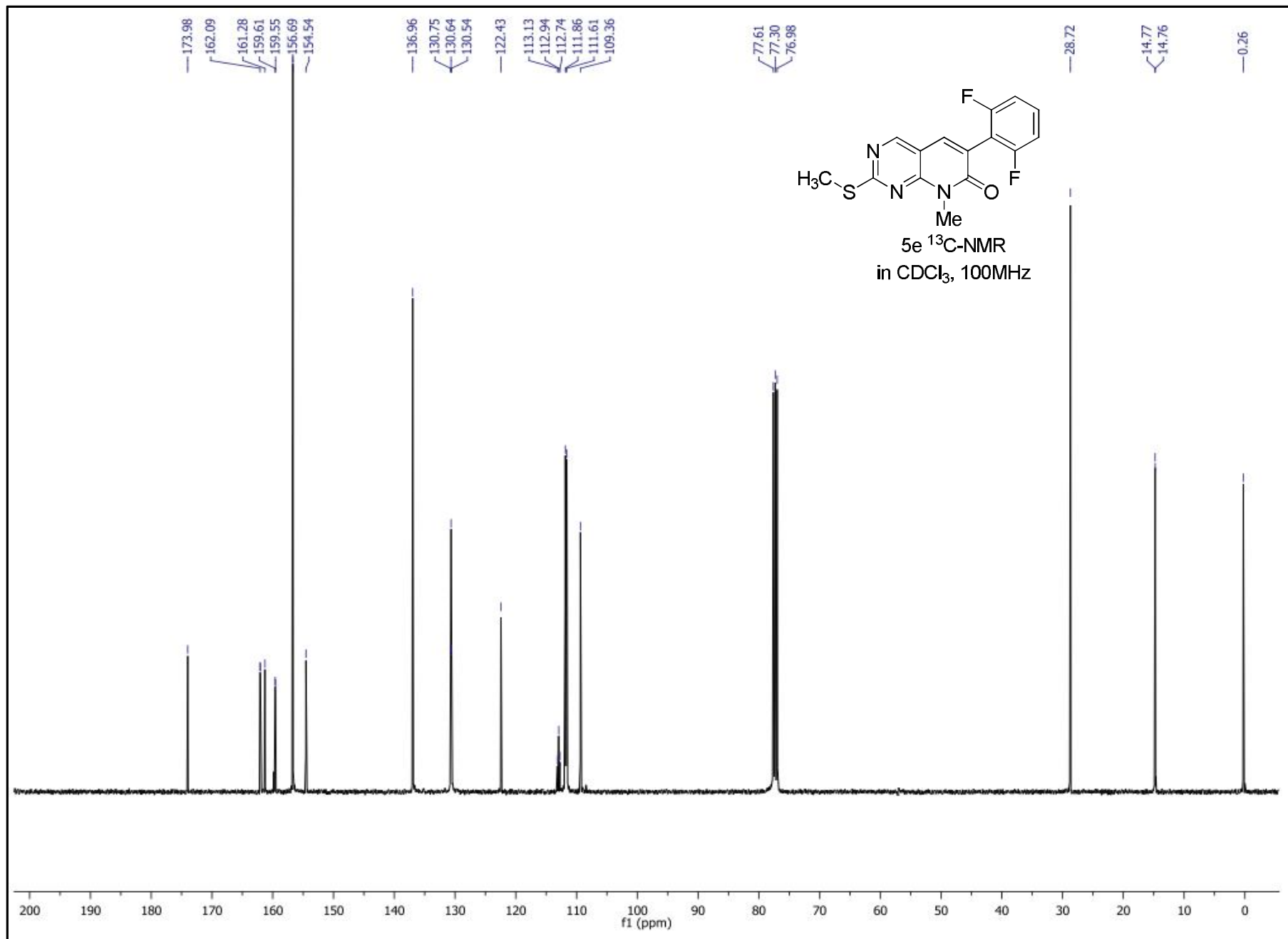


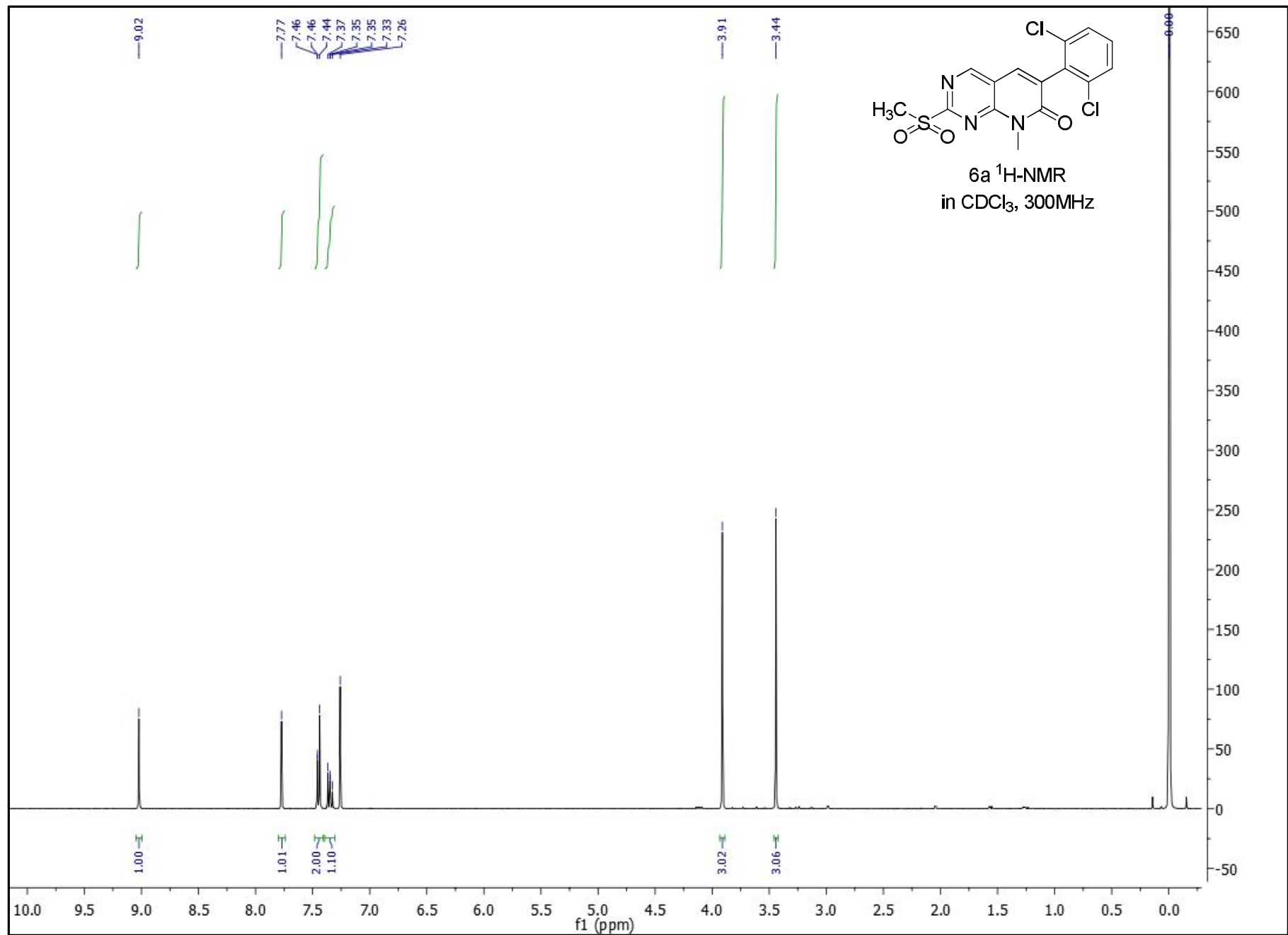


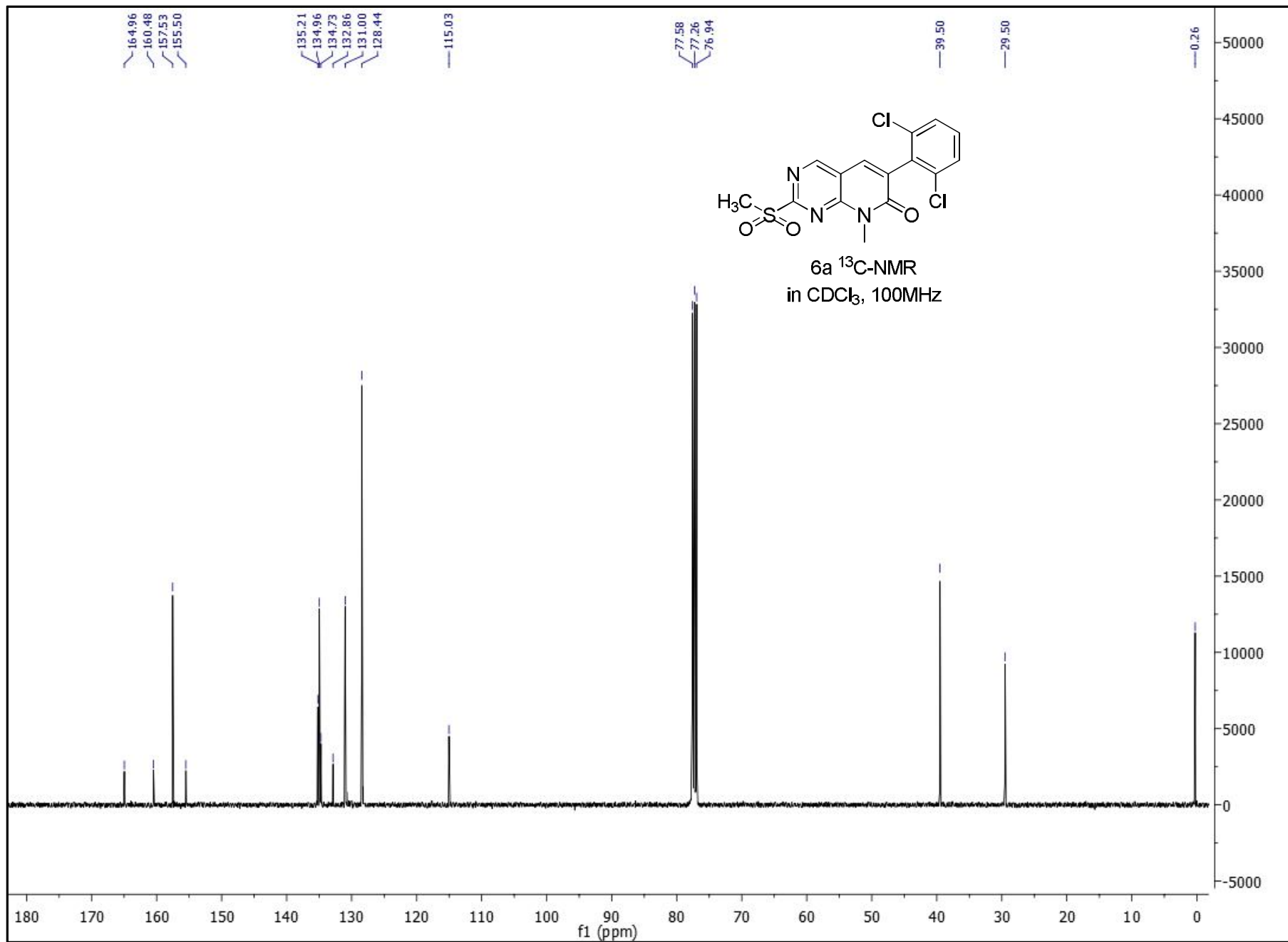


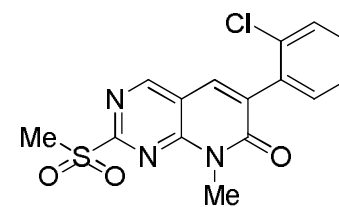




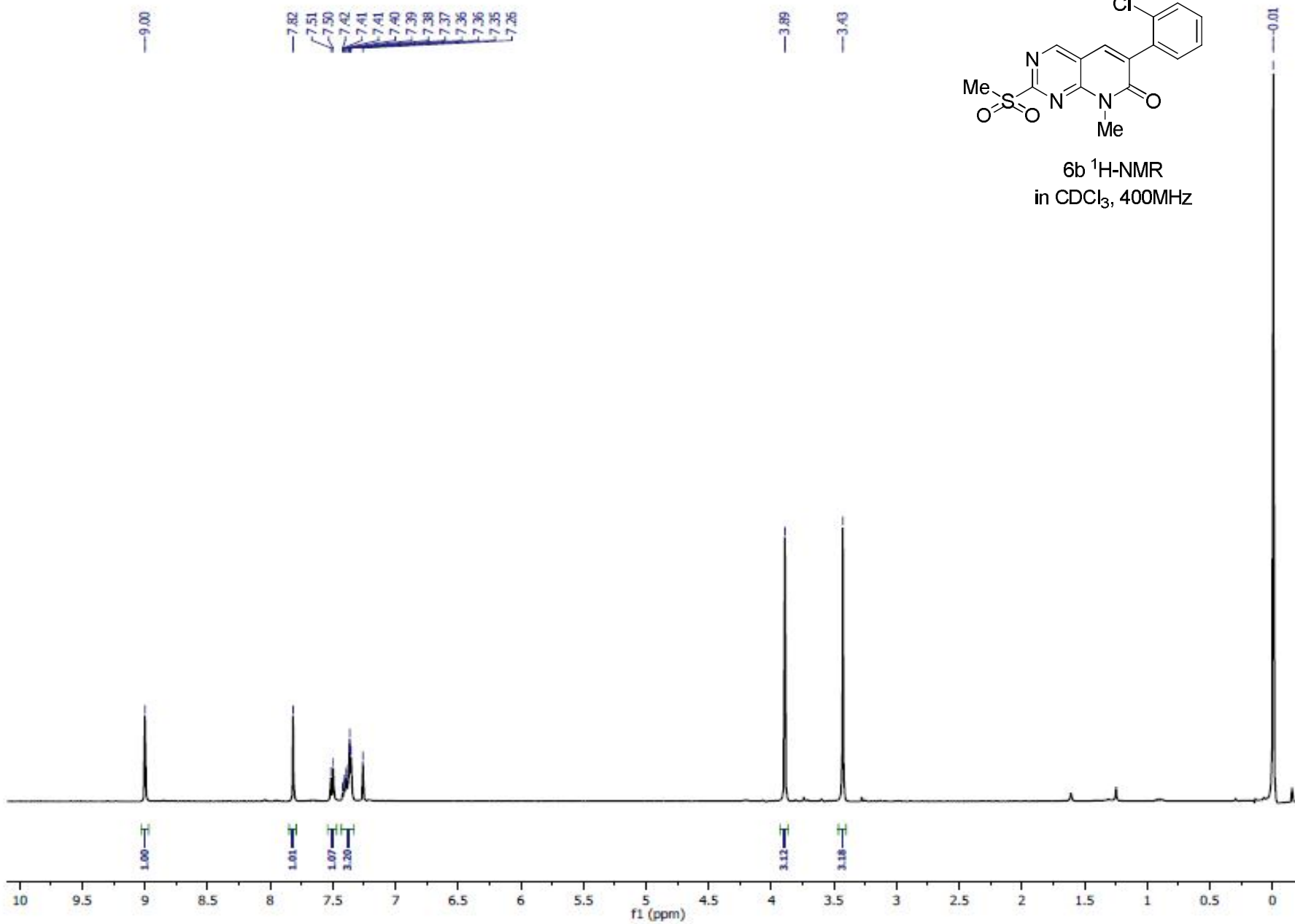


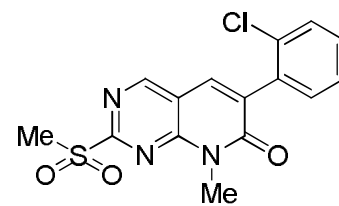






6b ¹H-NMR
in CDCl₃, 400MHz





6b ^{13}C -NMR
in CDCl_3 , 100MHz

164.65
161.23
157.27
155.23

136.65
133.53
130.14
127.11

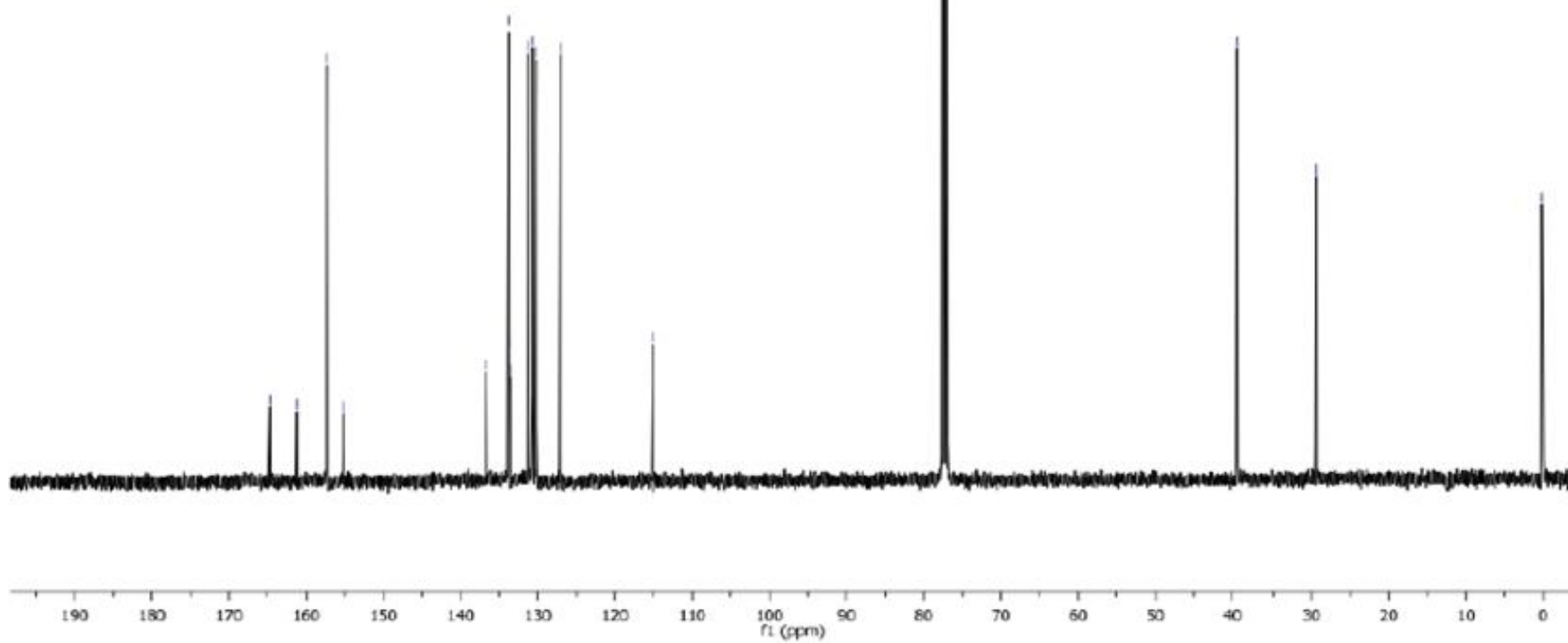
115.14

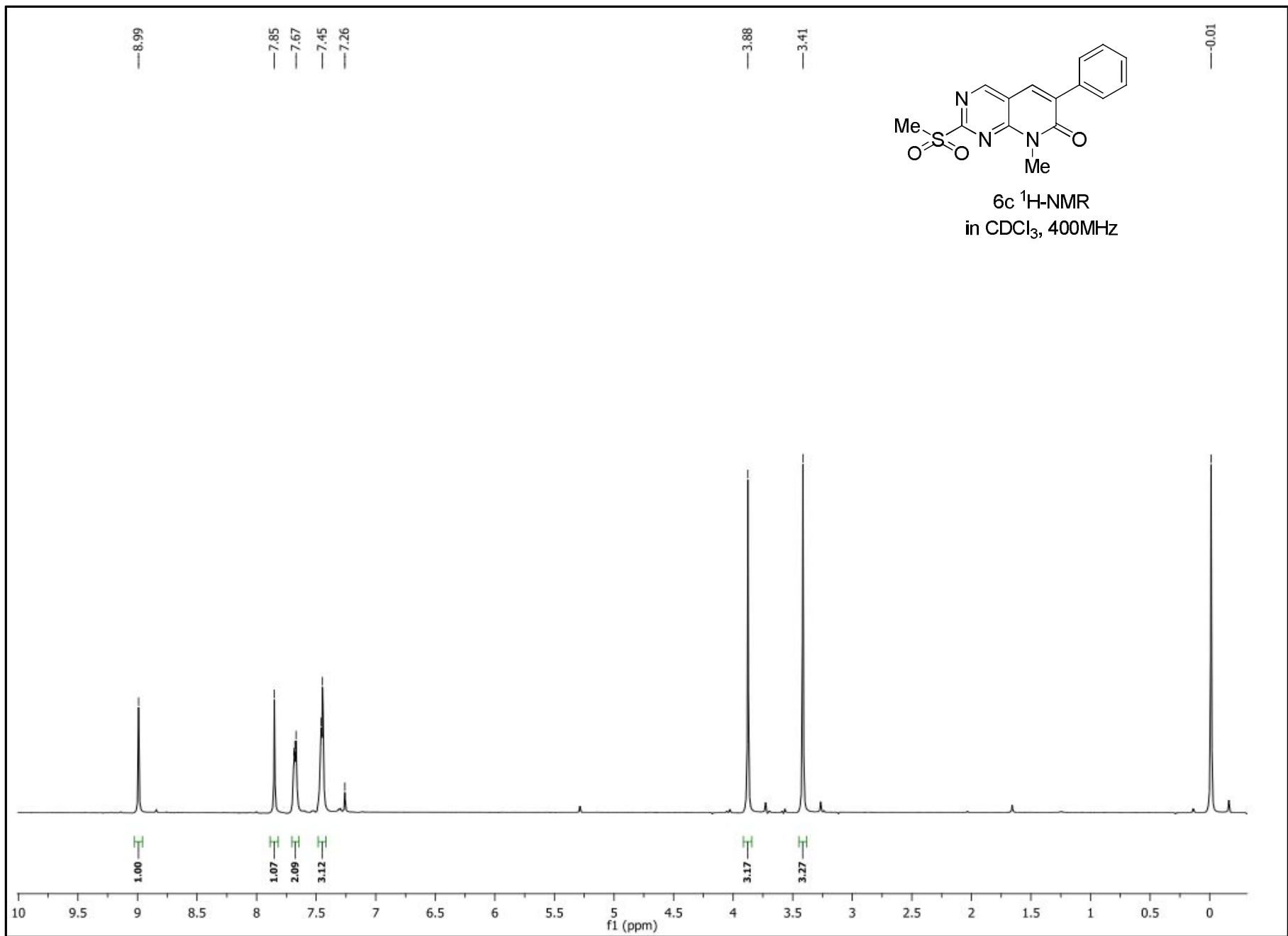
77.55
77.23
76.91

39.45

29.44

0.22





164.16
161.96
157.02
154.74

137.70
134.68
131.25
129.84
129.11
128.74

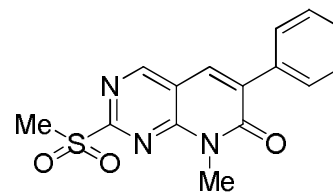
115.71

77.62
77.30
76.98

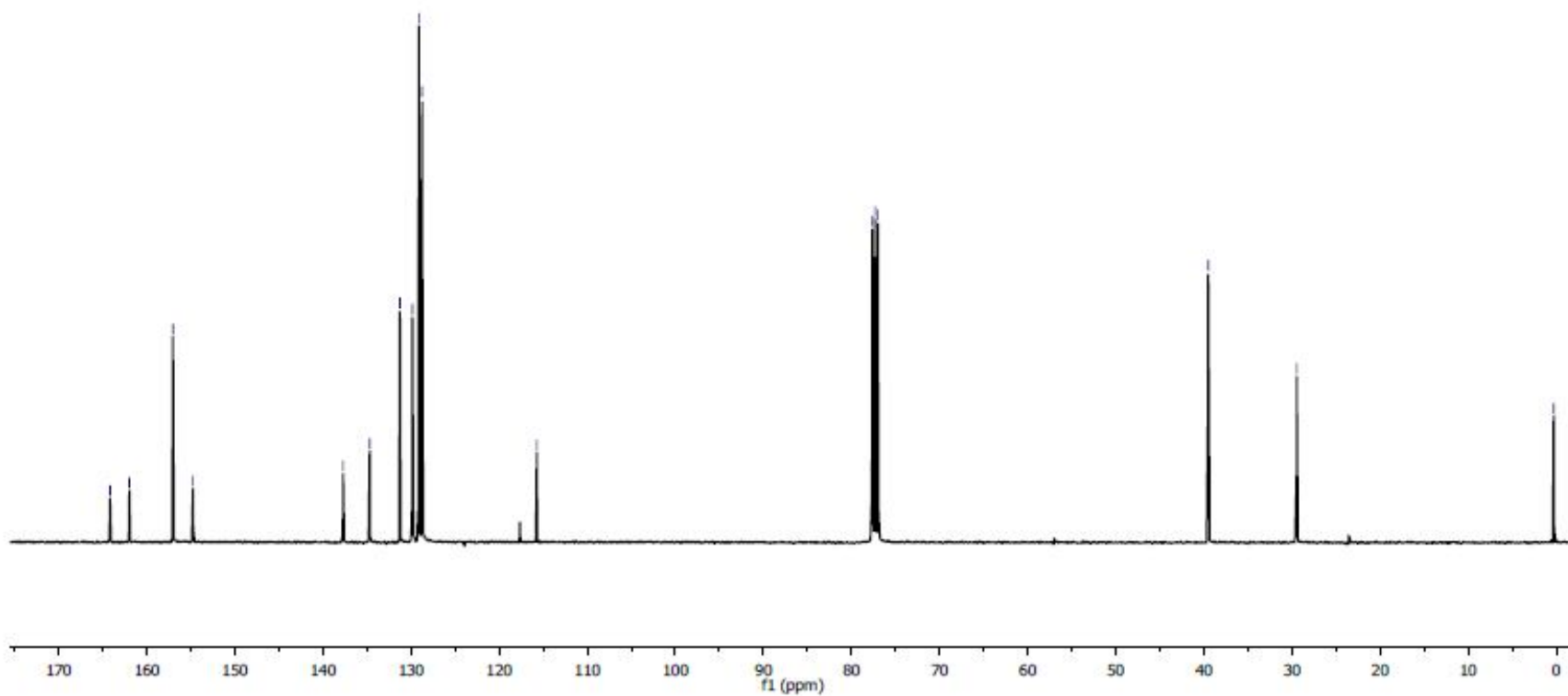
39.49

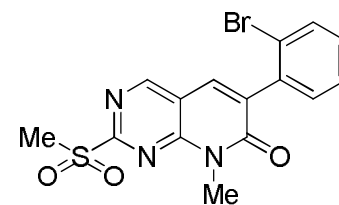
29.45

0.27

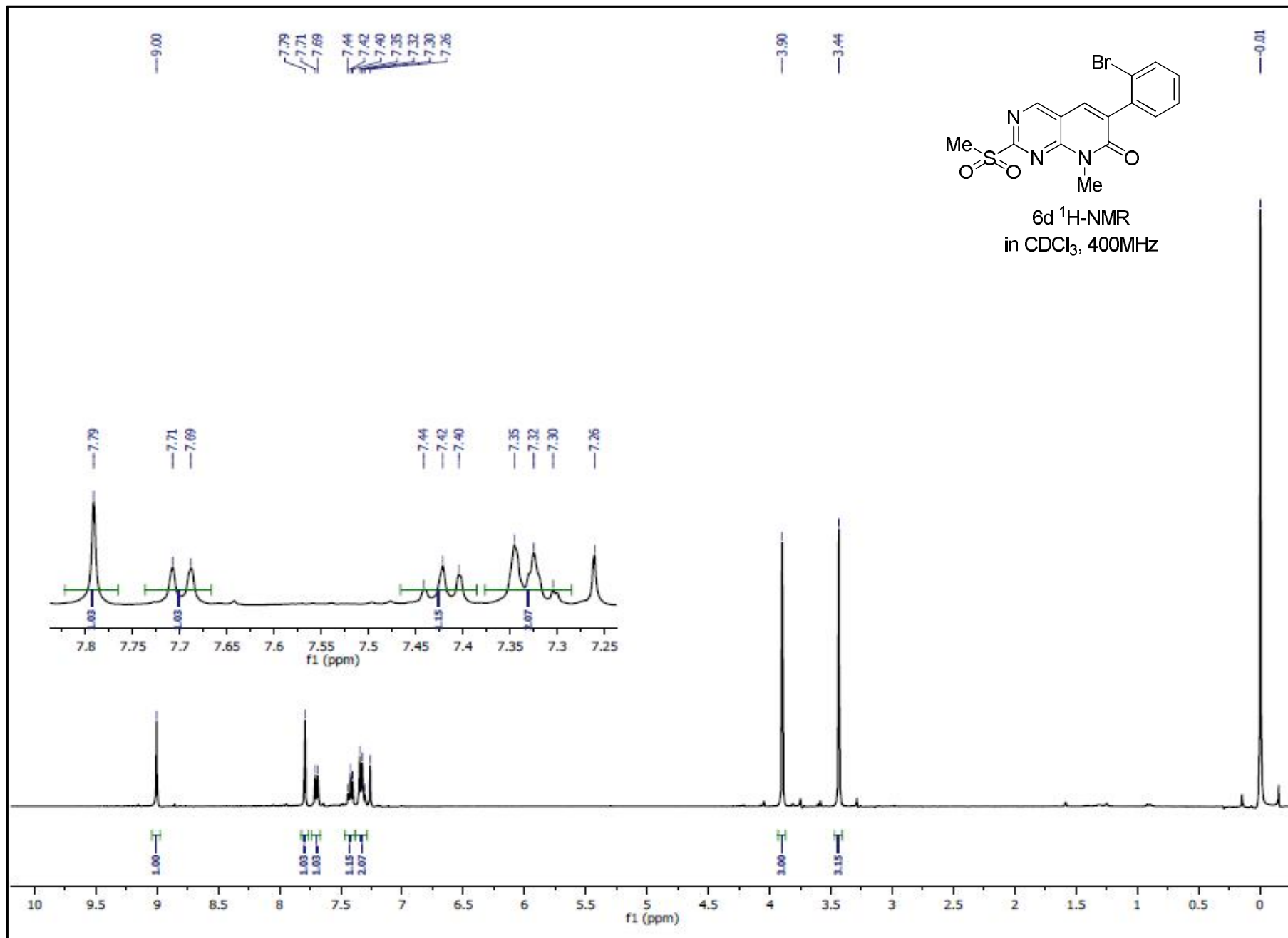


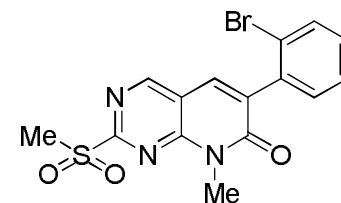
6c ¹³C-NMR
in CDCl₃, 100MHz



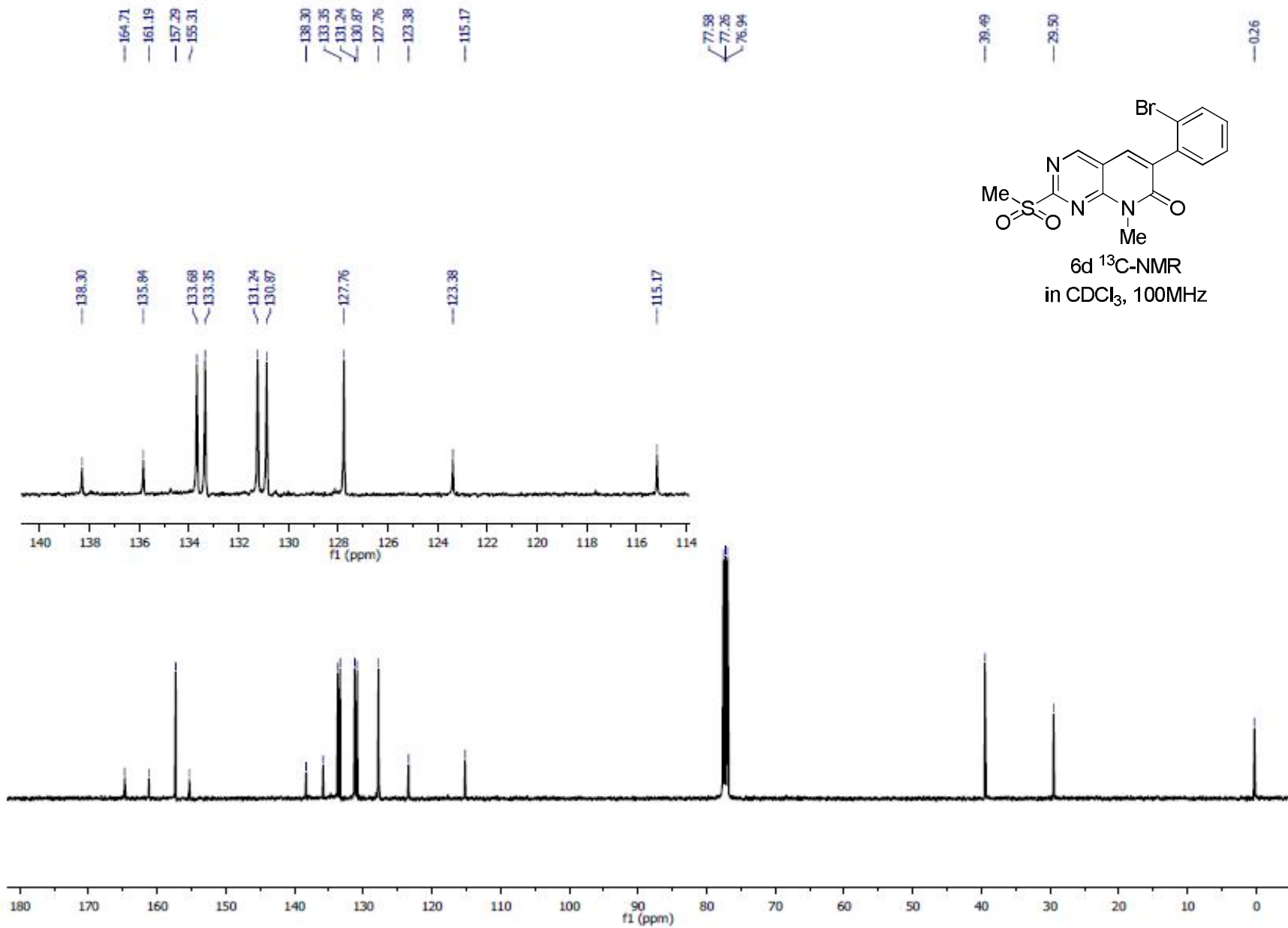


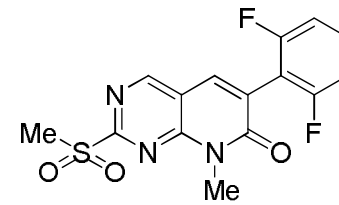
6d $^1\text{H-NMR}$
in CDCl_3 , 400MHz



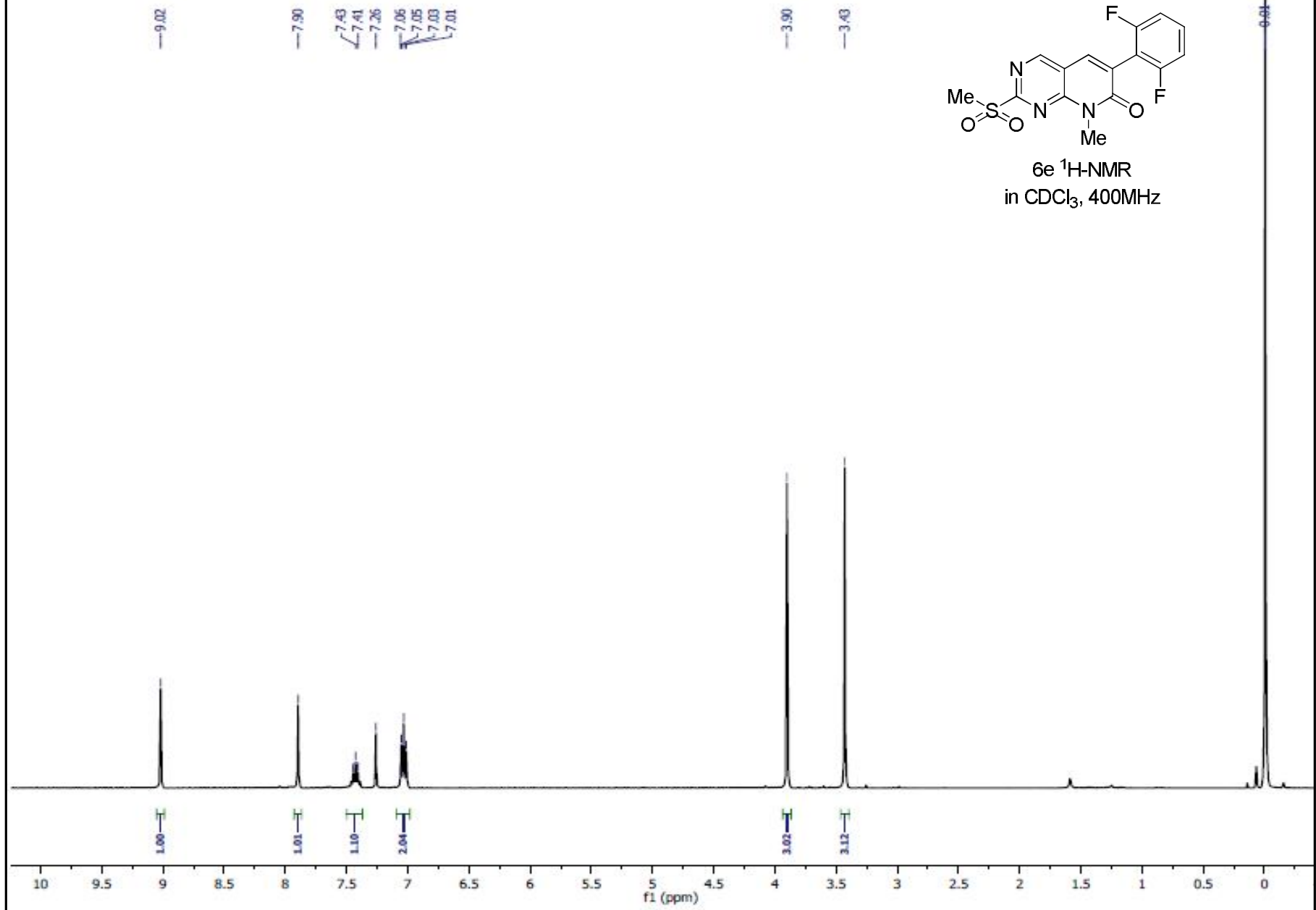


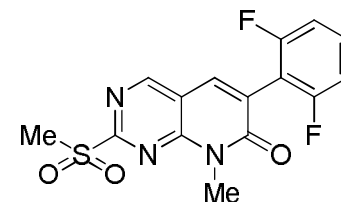
6d ¹³C-NMR
in CDCl₃, 100MHz



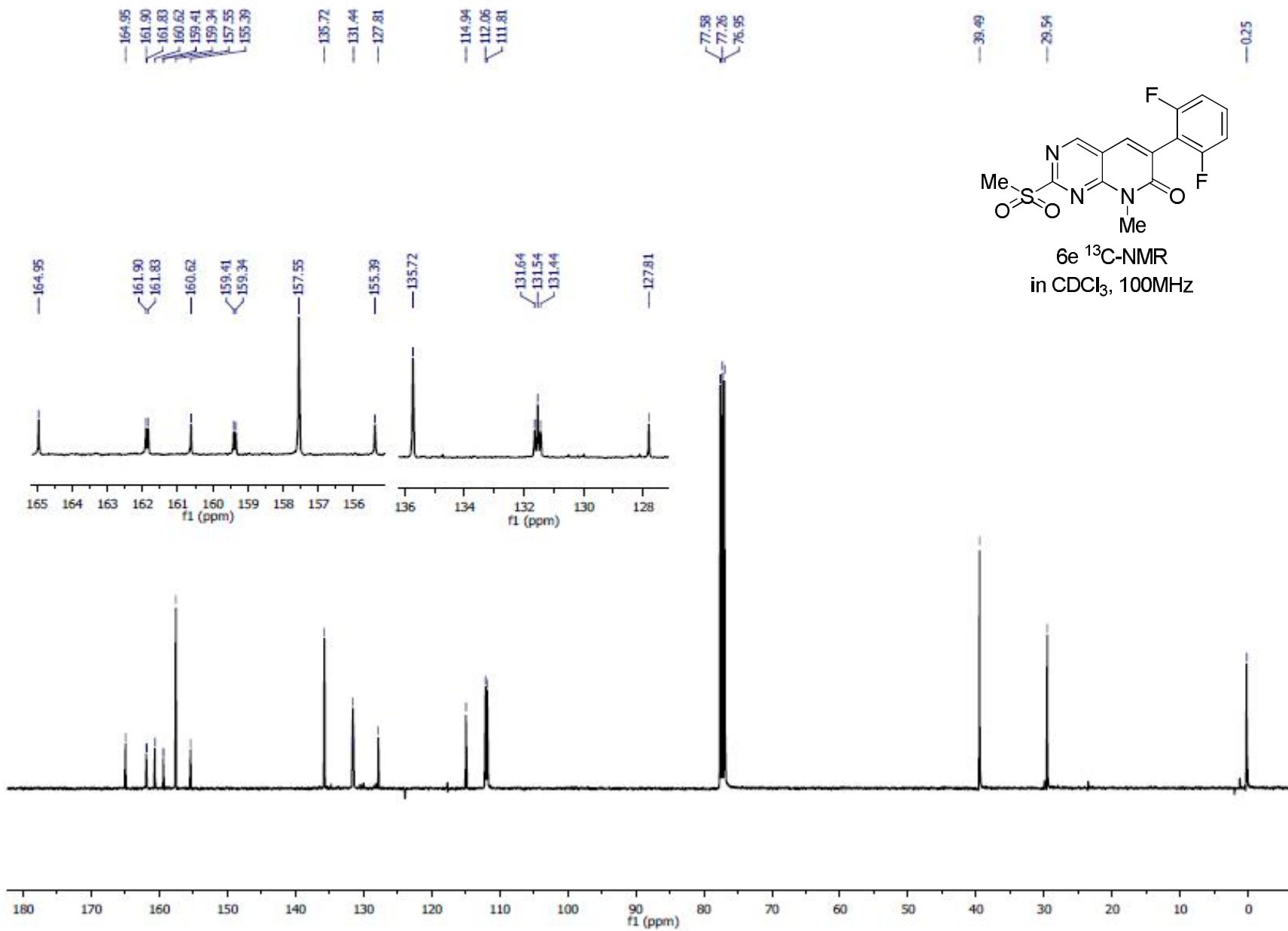


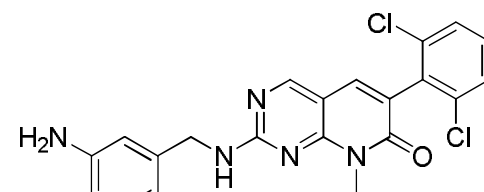
6e ¹H-NMR
in CDCl₃, 400MHz



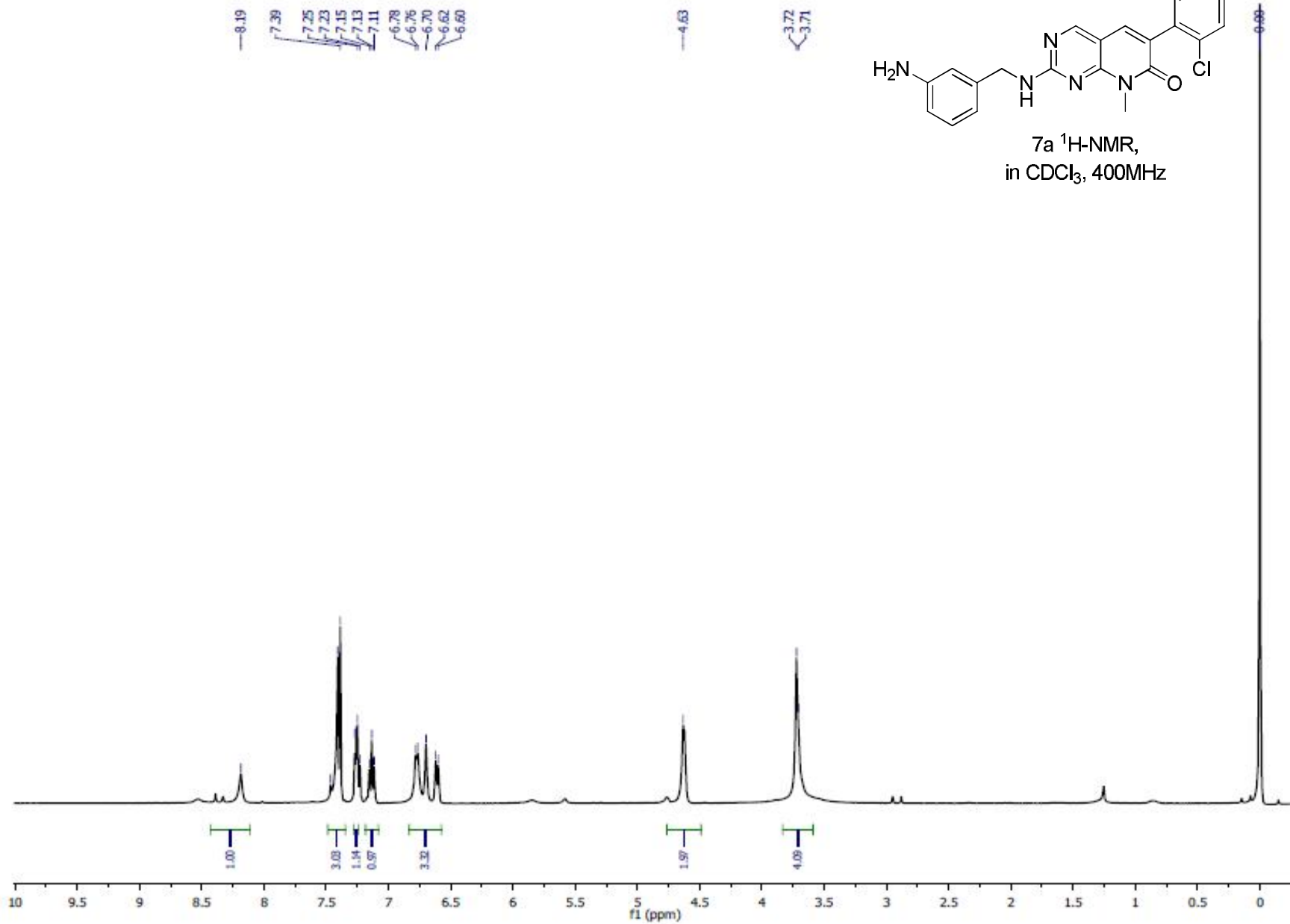


6e ^{13}C -NMR
in CDCl_3 , 100MHz





7a ¹H-NMR,
in CDCl₃, 400MHz



161.72
161.62
158.89
156.27

147.02

139.82

134.61

129.92
129.86
128.18

118.11

114.39

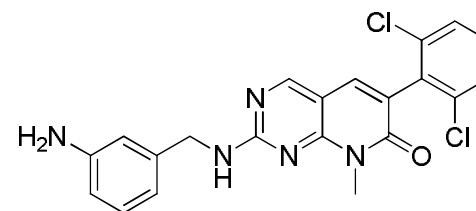
105.44

77.59
77.26
76.94

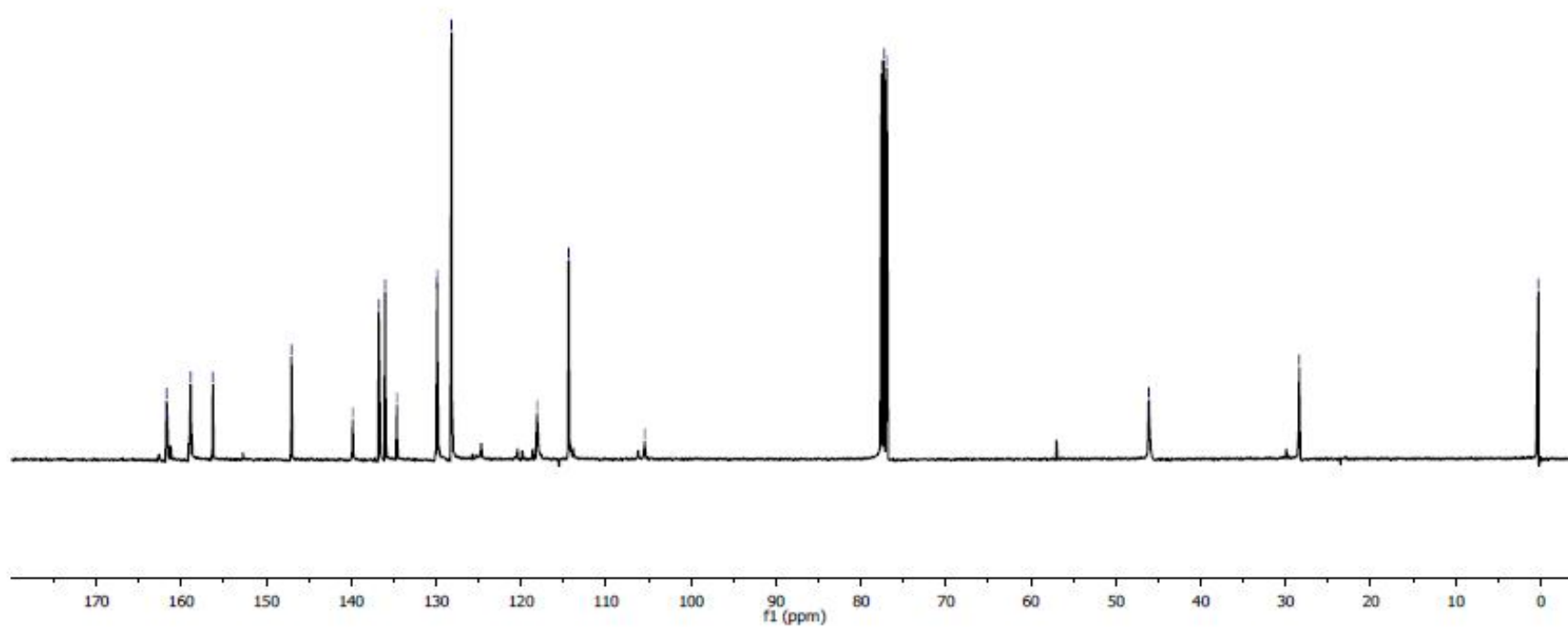
46.10

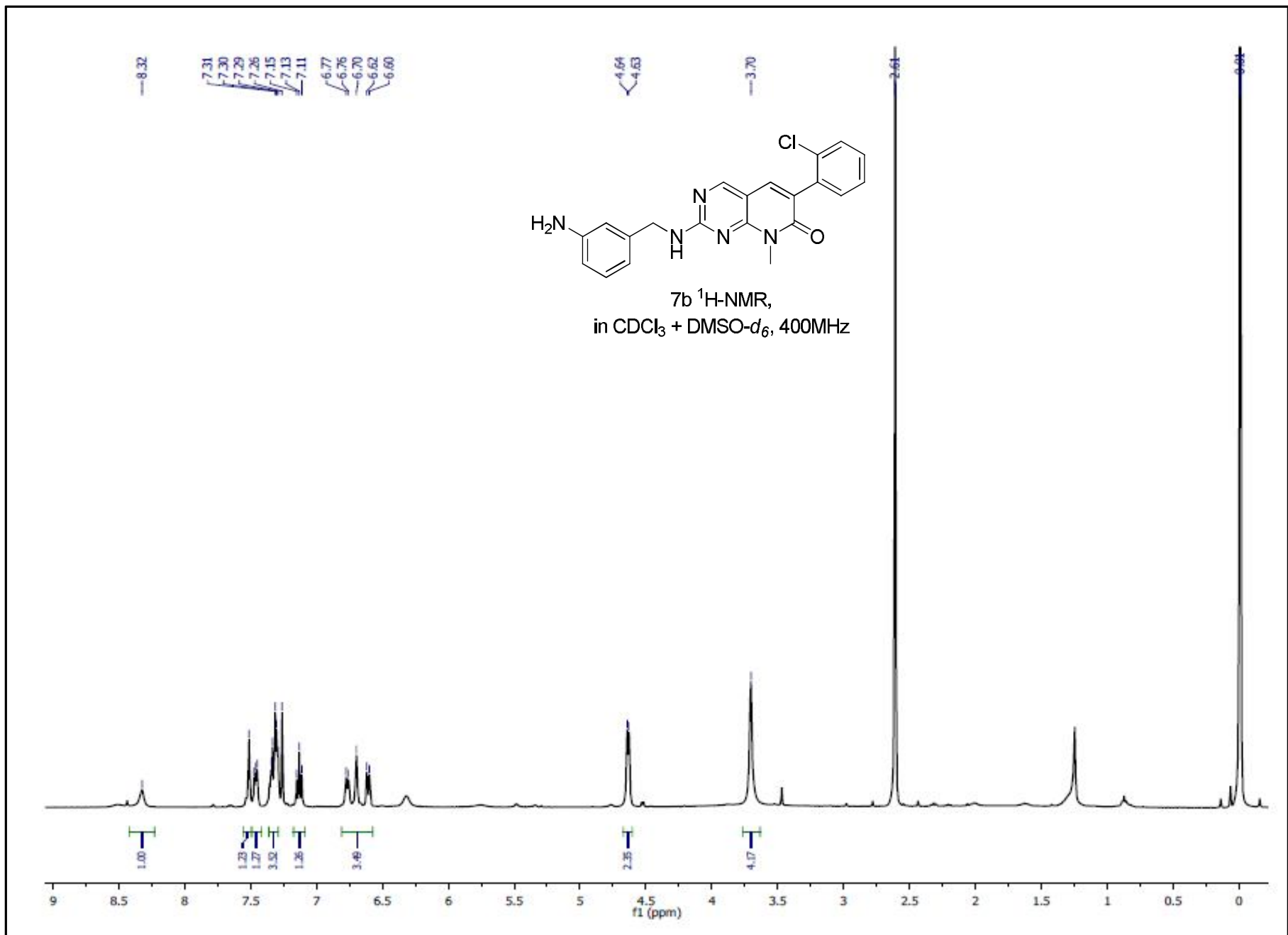
28.40

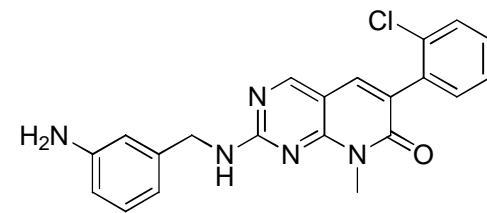
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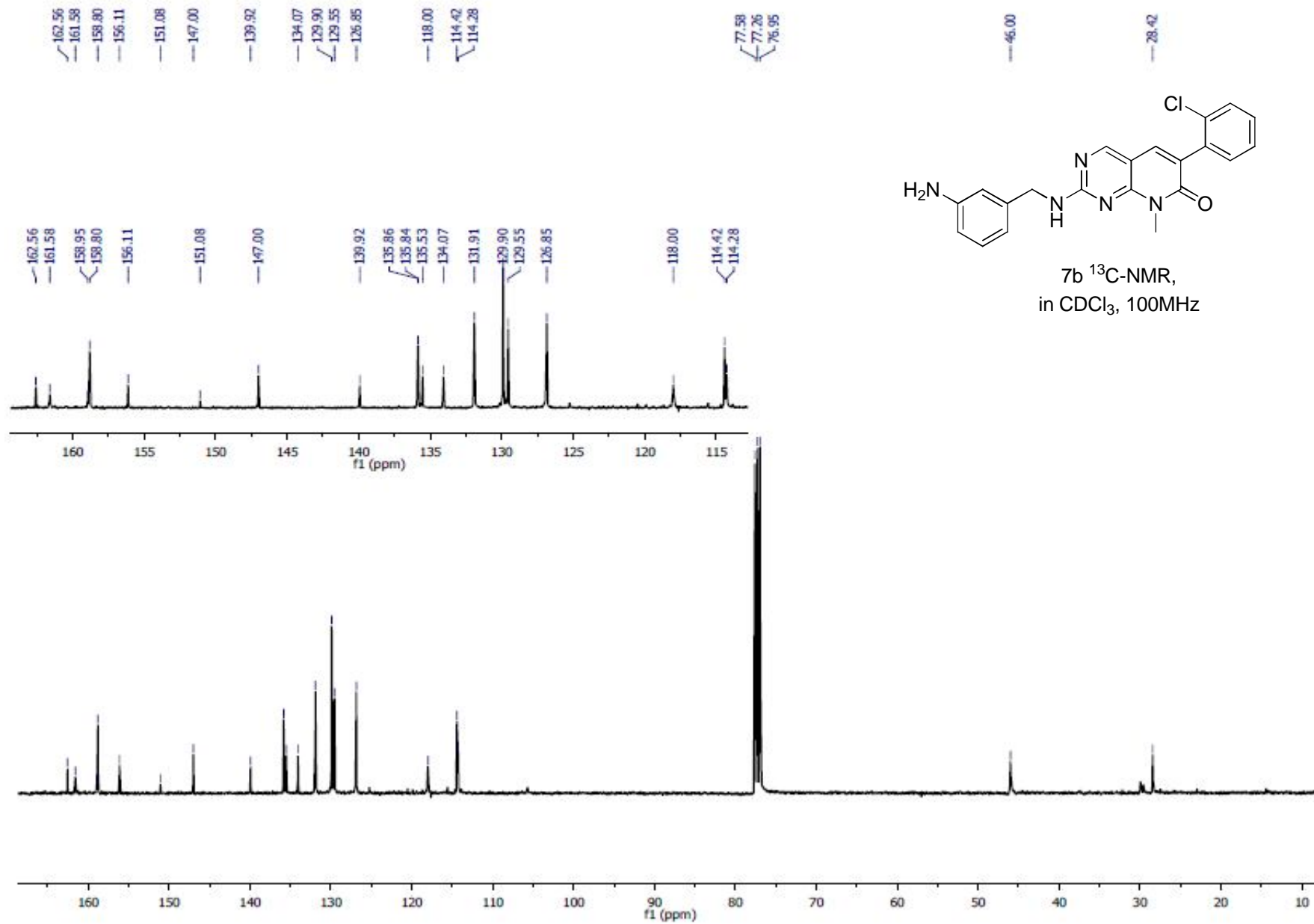
7a ¹³C-NMR,
in CDCl₃, 100MHz

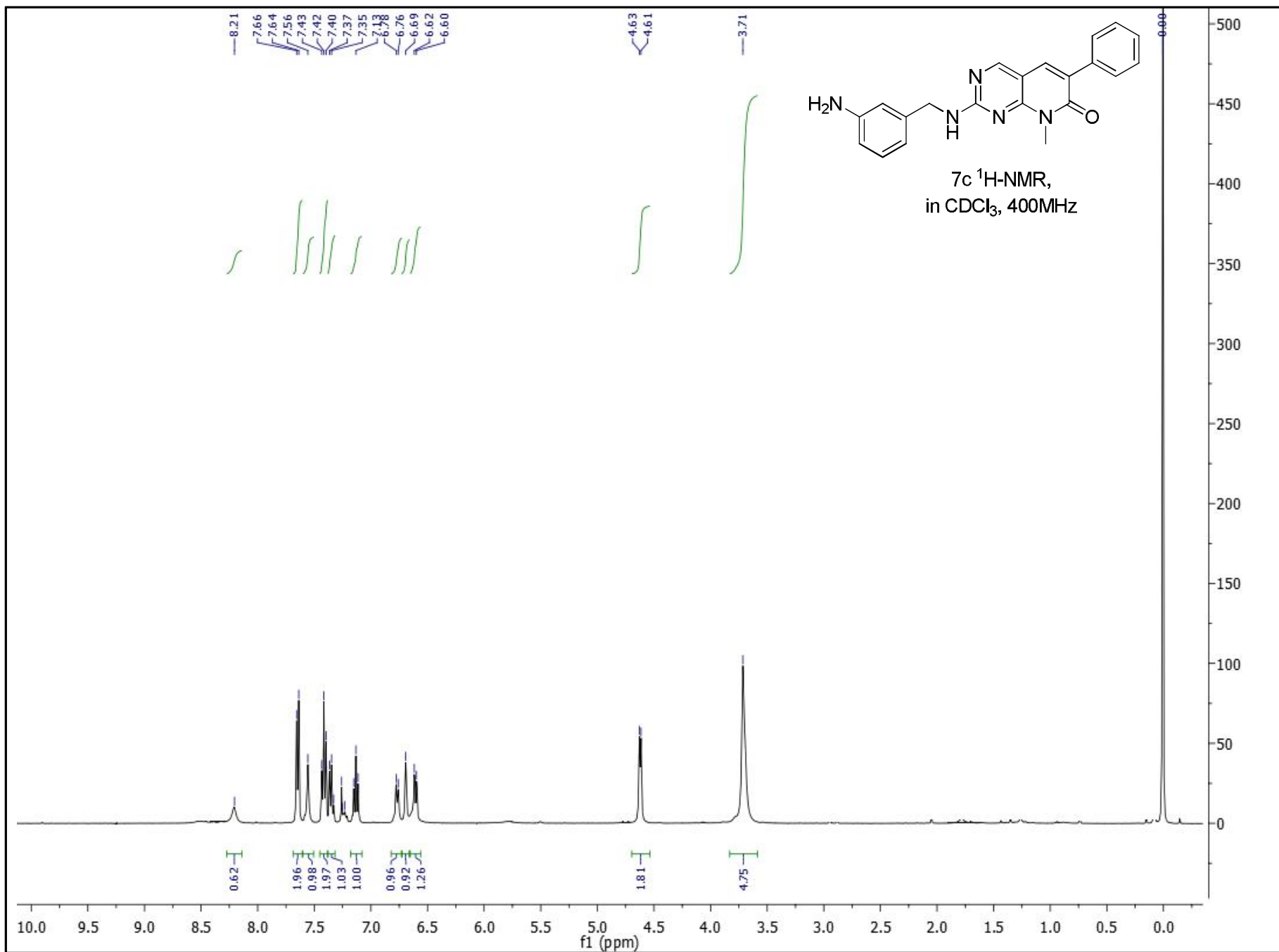


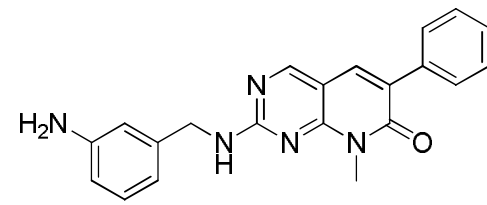




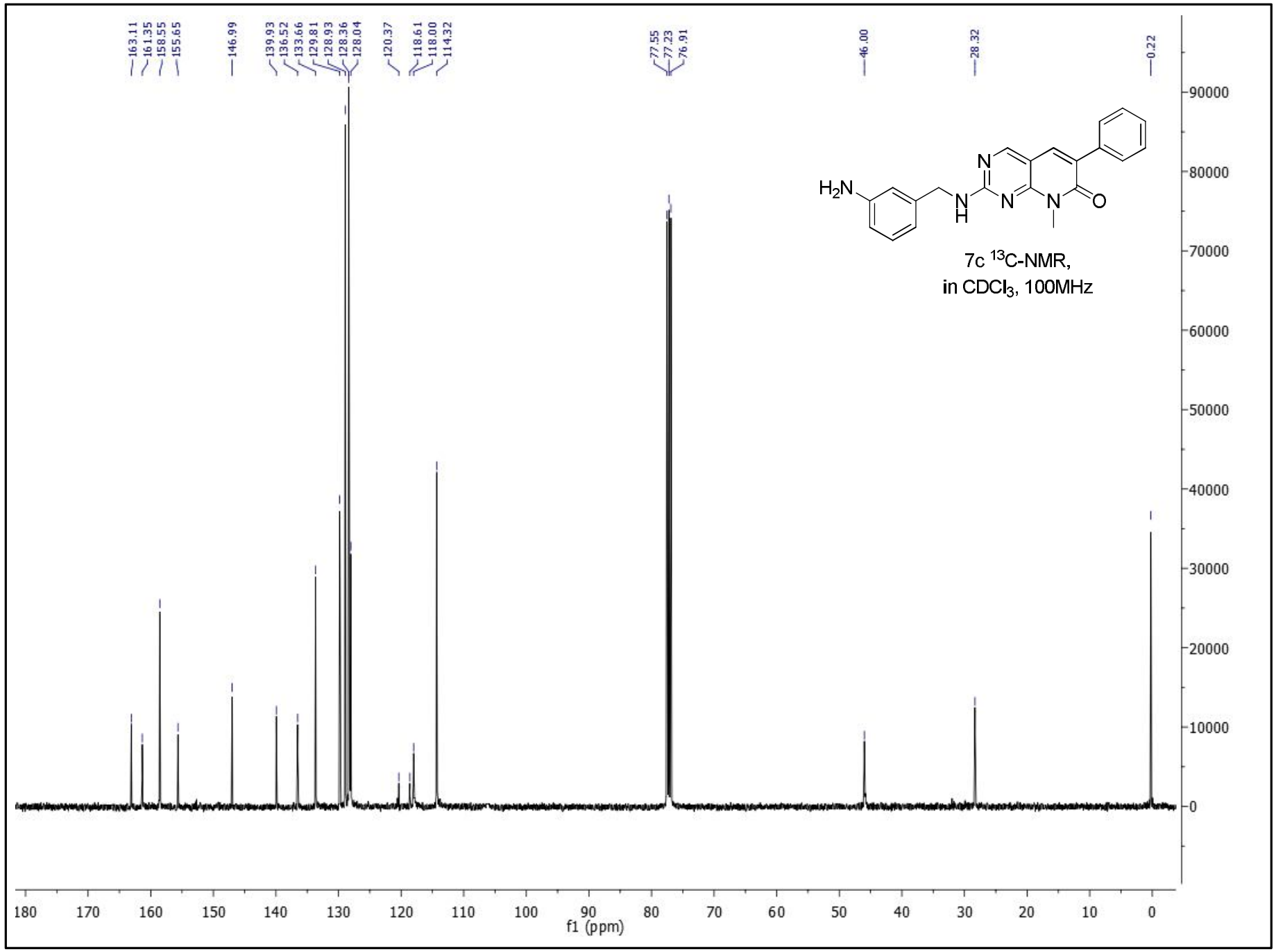
7b ^{13}C -NMR,
in CDCl_3 , 100MHz

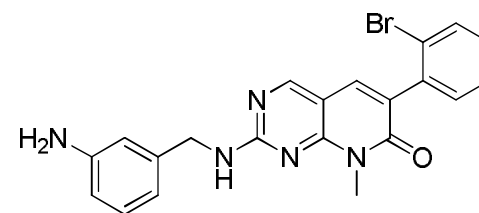




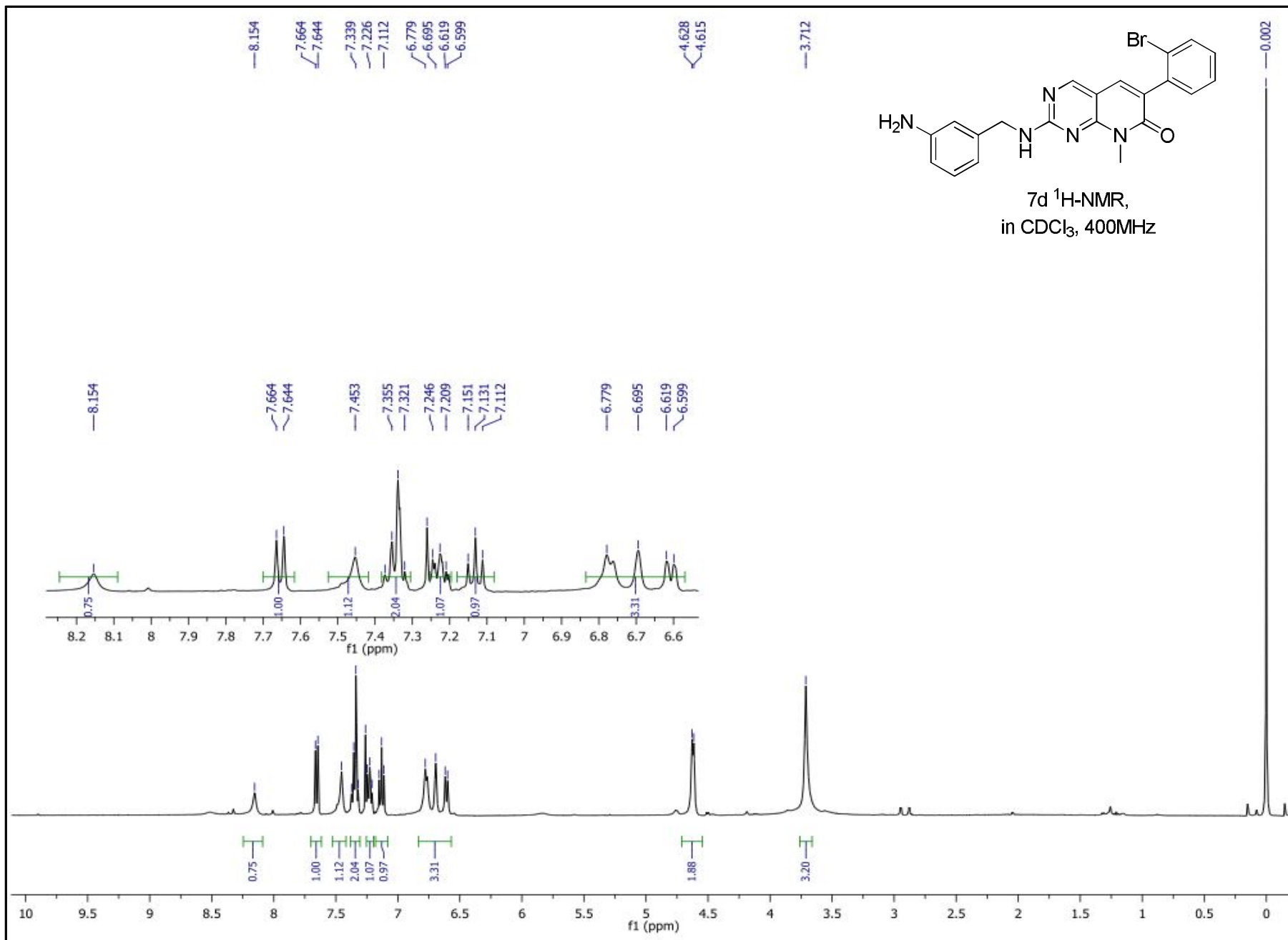


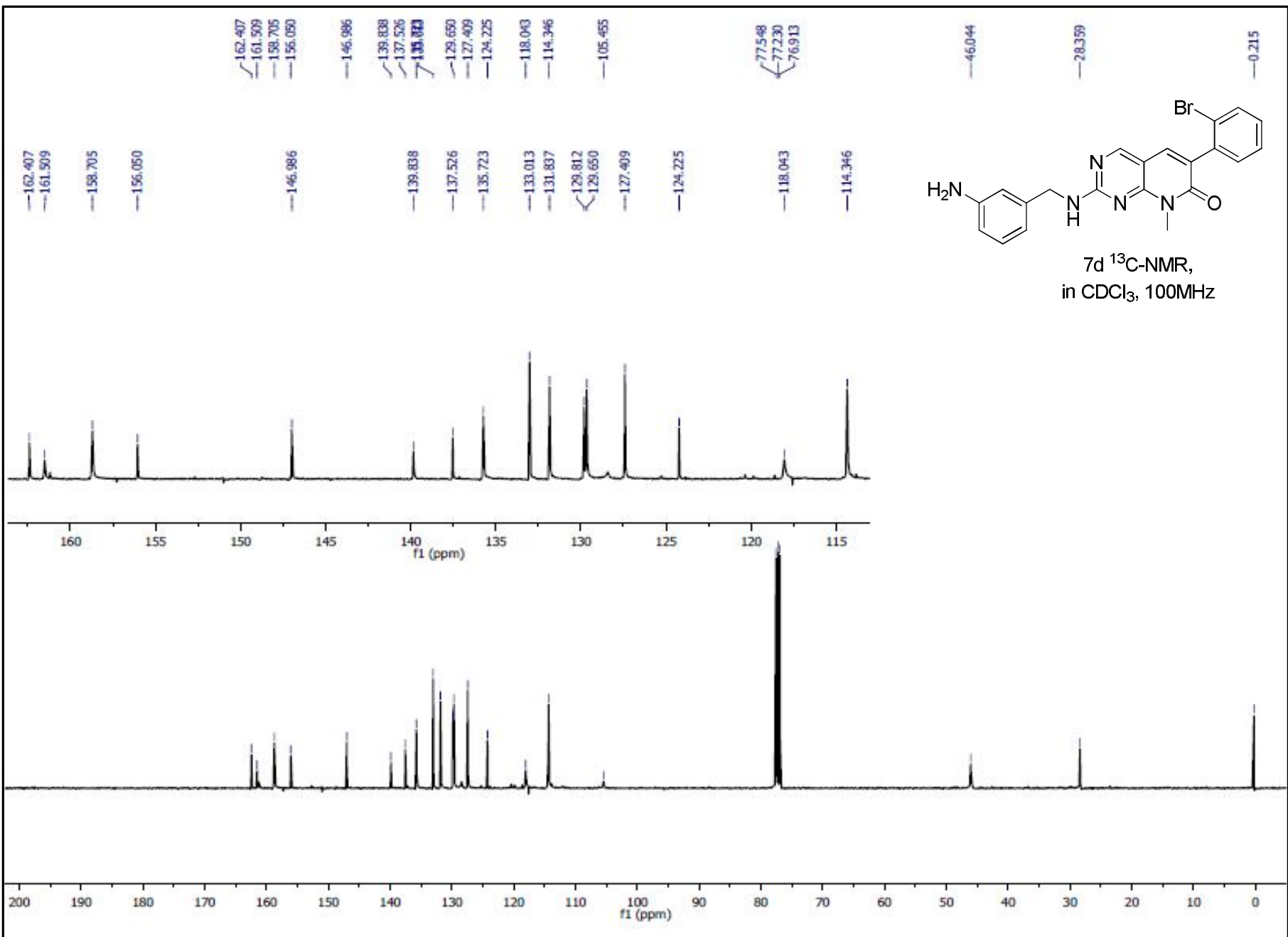
7c ¹³C-NMR,
in CDCl₃, 100MHz

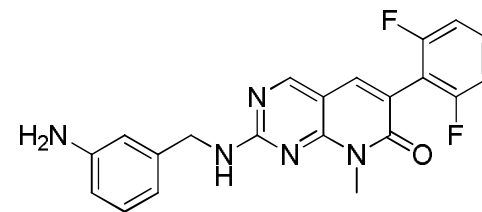




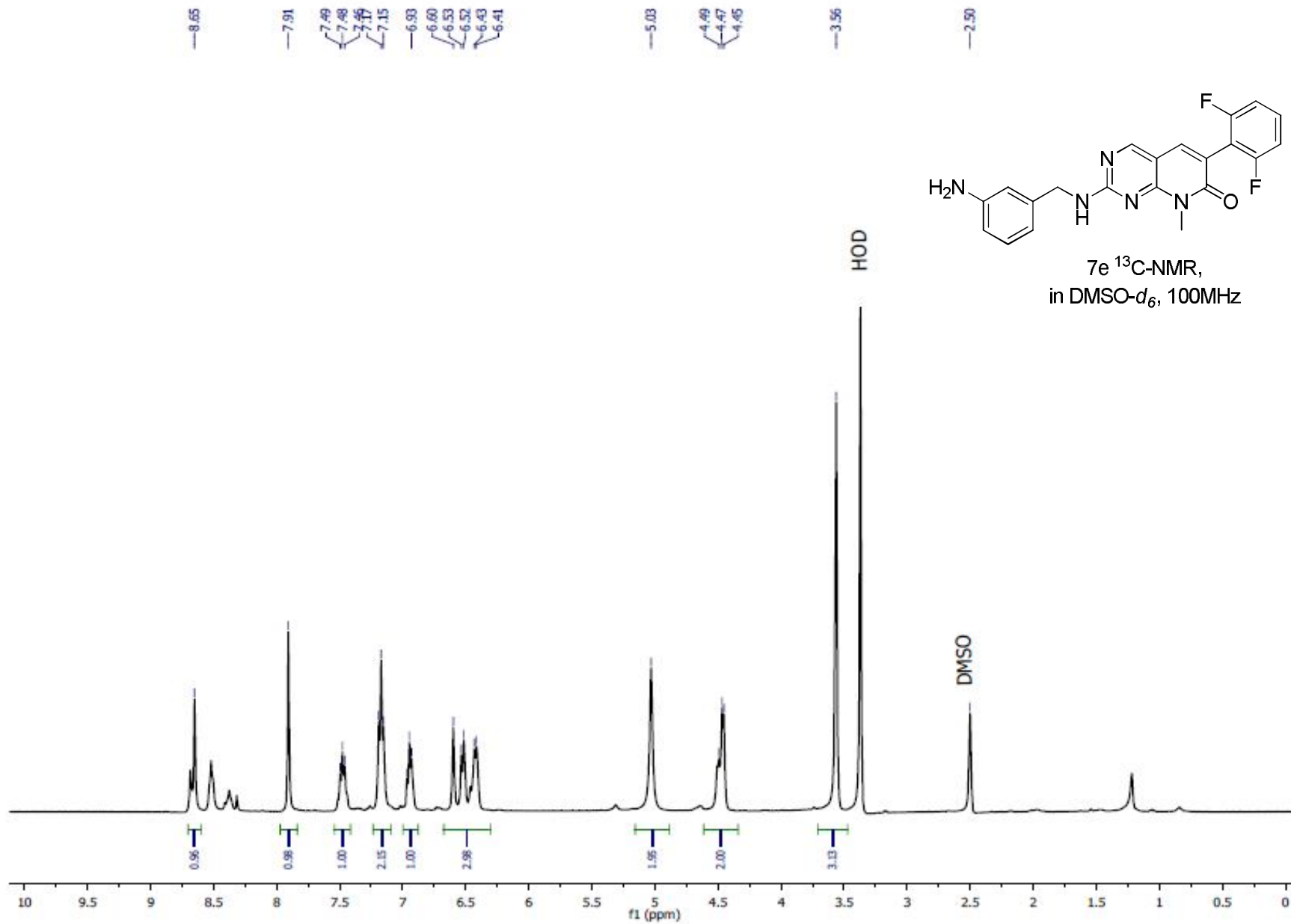
7d ¹H-NMR,
in CDCl₃, 400MHz

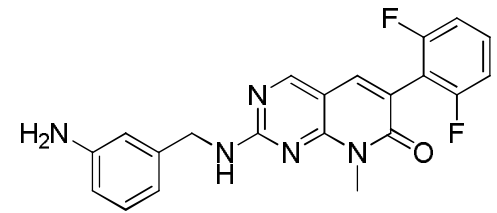






7e ^{13}C -NMR,
in $\text{DMSO-}d_6$, 100MHz

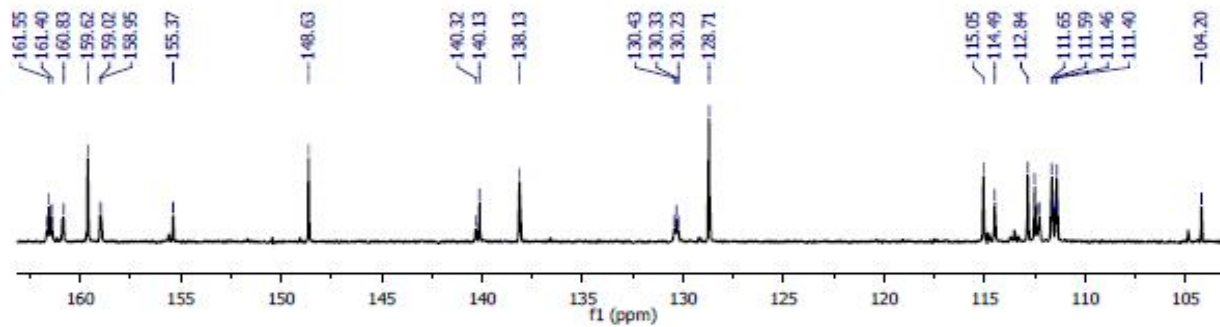




7e $^1\text{H-NMR}$,
in $\text{DMSO-}d_6$, 400MHz

161.55
160.91
160.83
159.62
159.02
158.95
155.37
148.63
140.32
140.13
138.13
130.43
130.33
130.23
128.71
112.84
112.32
112.27
111.65
111.59
111.46
111.40
104.20

44.64
38.72
38.51
38.30
38.09
38.88
27.71



161.55
161.40
160.83
159.62
159.02
158.95
155.37

148.63

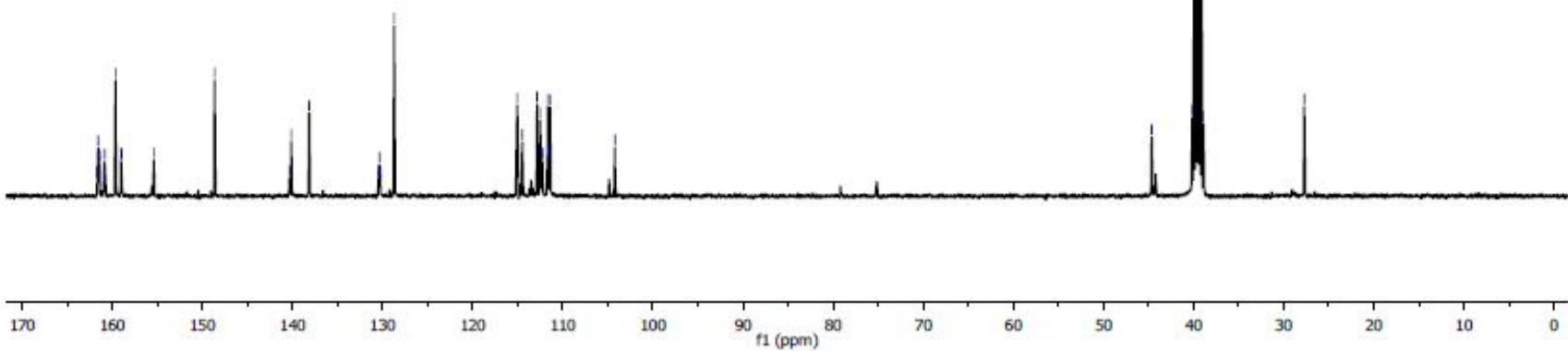
140.32
140.13
138.13

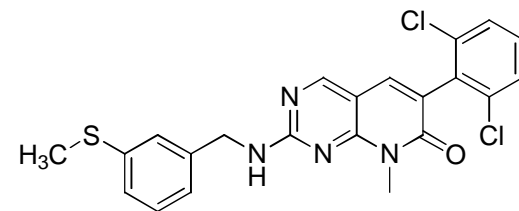
130.43
130.33
130.23
128.71

115.05
114.49
112.84

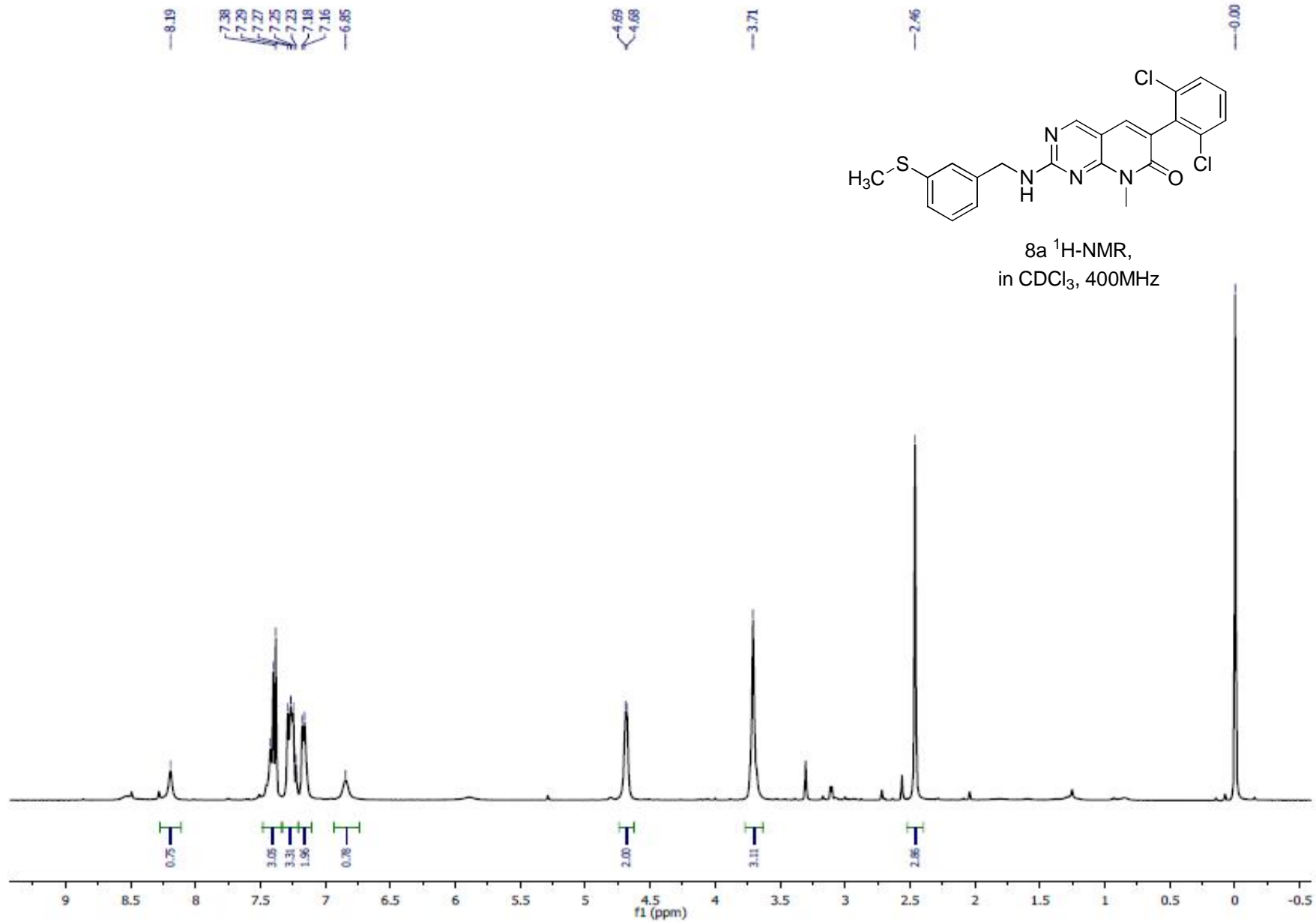
111.65
111.59
111.46
111.40

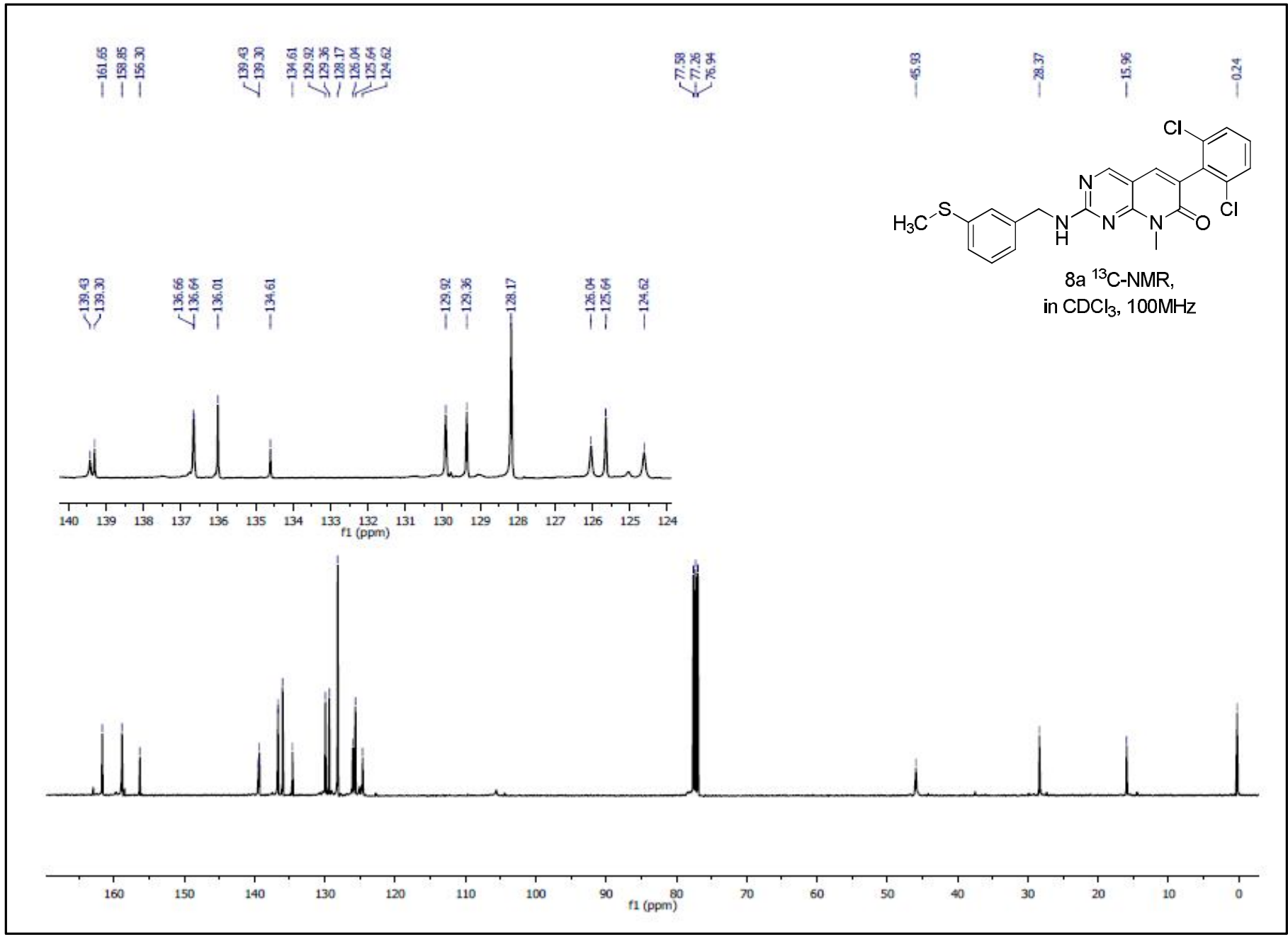
104.20

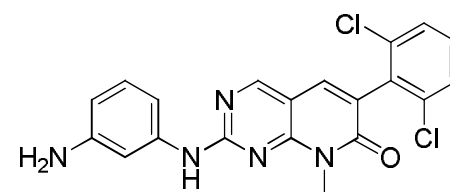




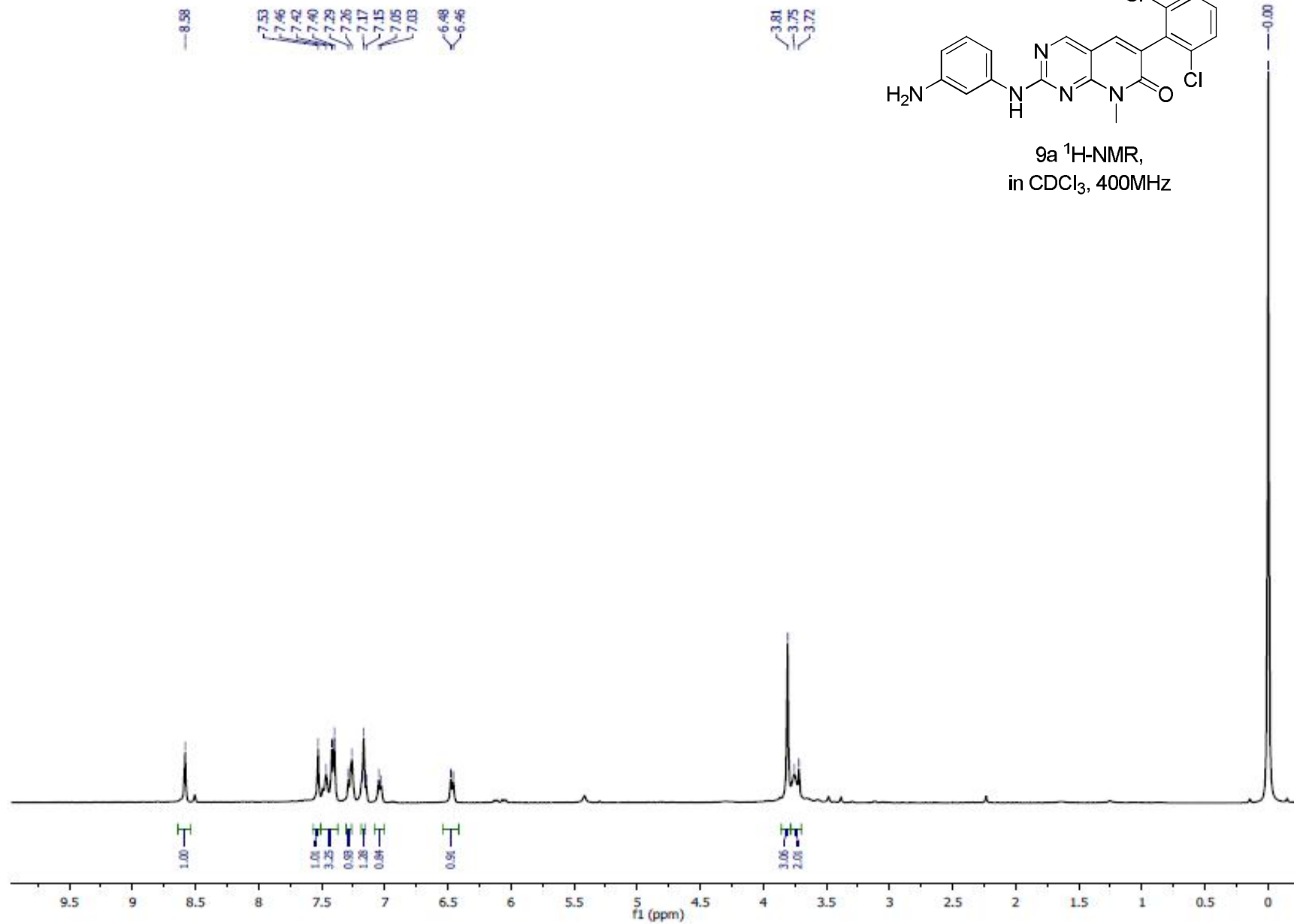
8a ¹H-NMR,
in CDCl₃, 400MHz

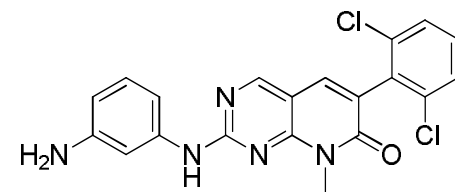






9a ¹H-NMR,
in CDCl₃, 400MHz





9a ^{13}C -NMR,
in CDCl_3 , 100MHz

