

Spectra

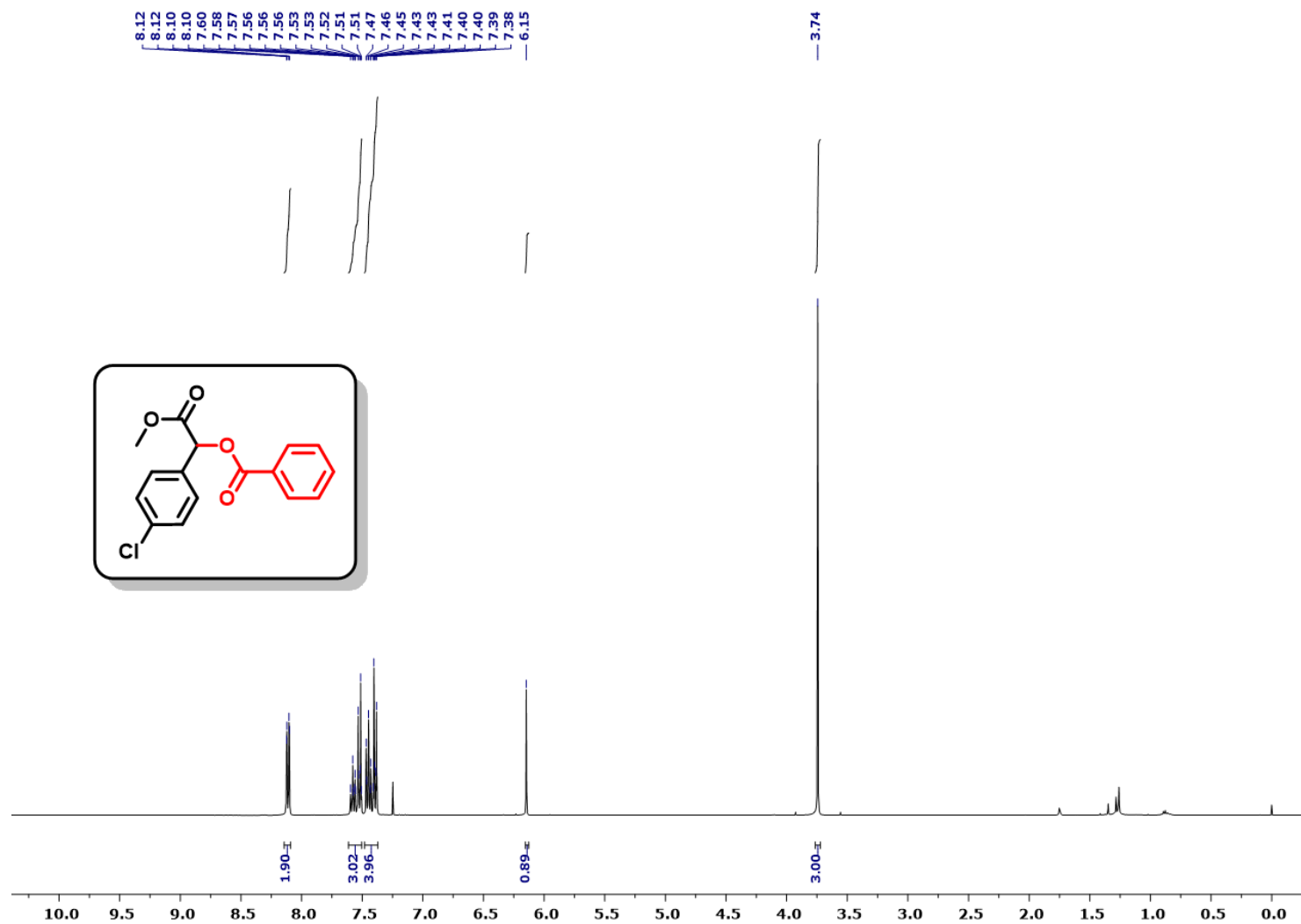


Fig. S56. ¹H NMR (400 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl benzoate (**4a**).

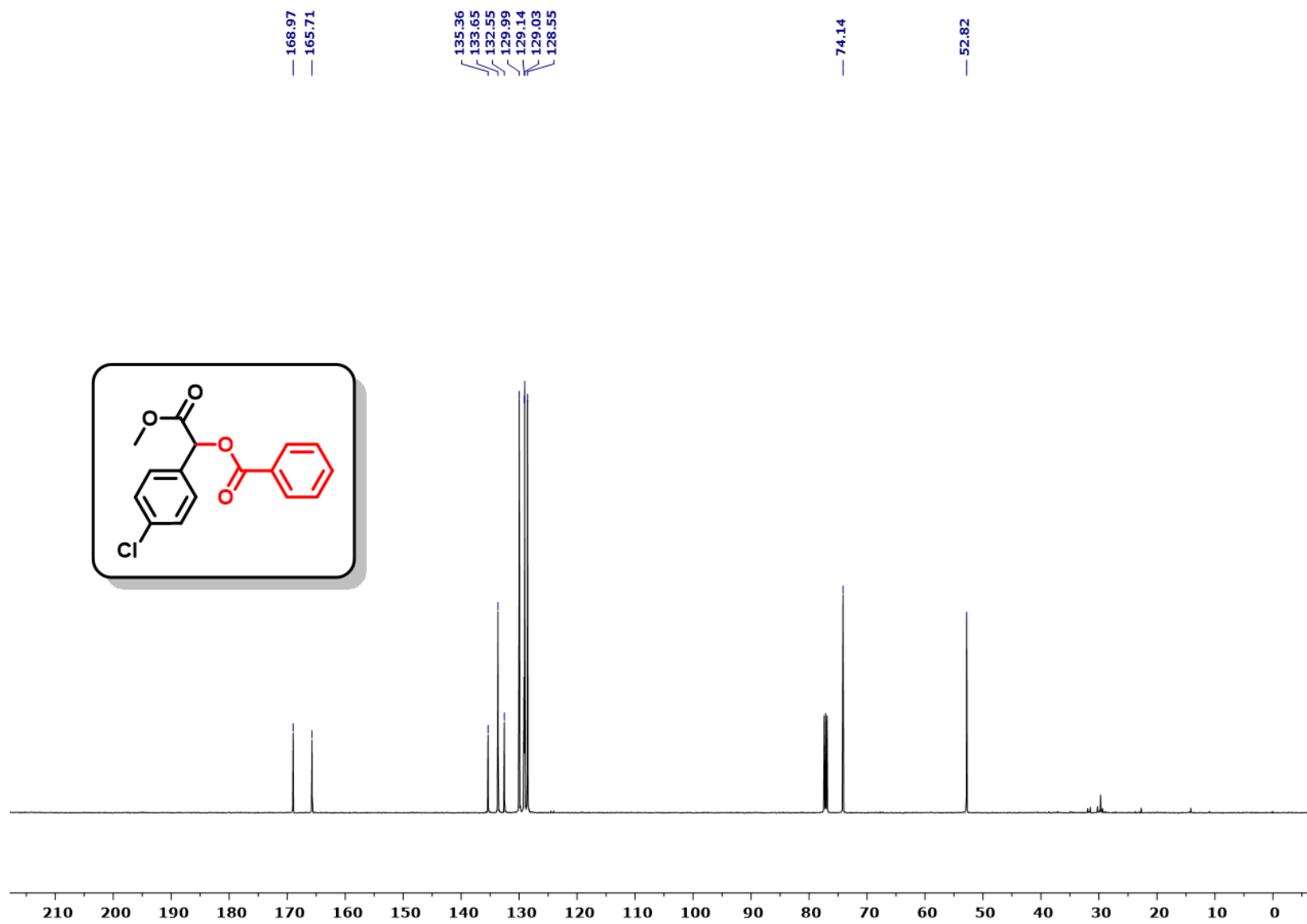


Fig. S57. ¹³C NMR (126 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl benzoate (**4a**).

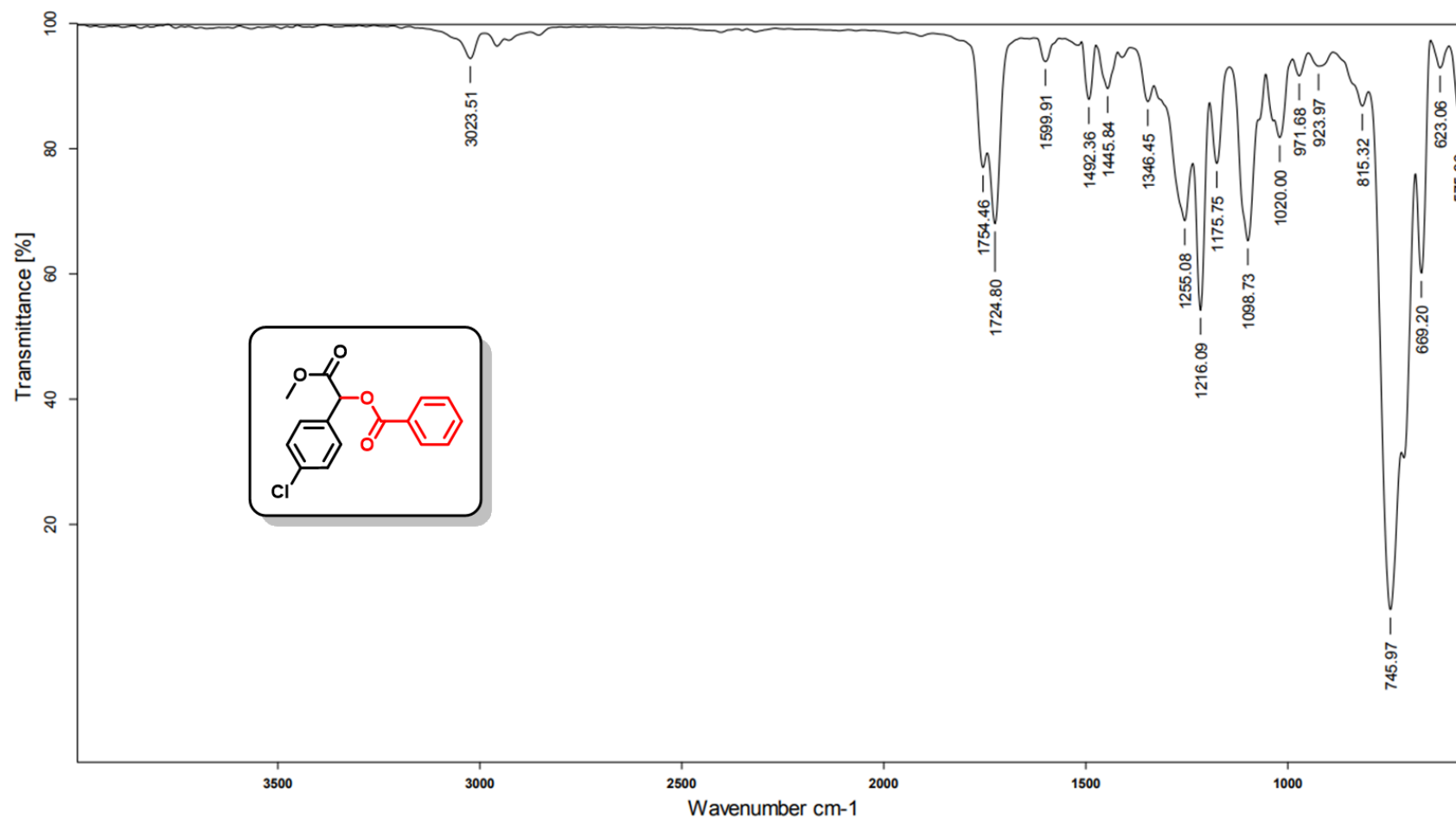


Fig. S58. IR spectra of spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl benzoate (**4a**).

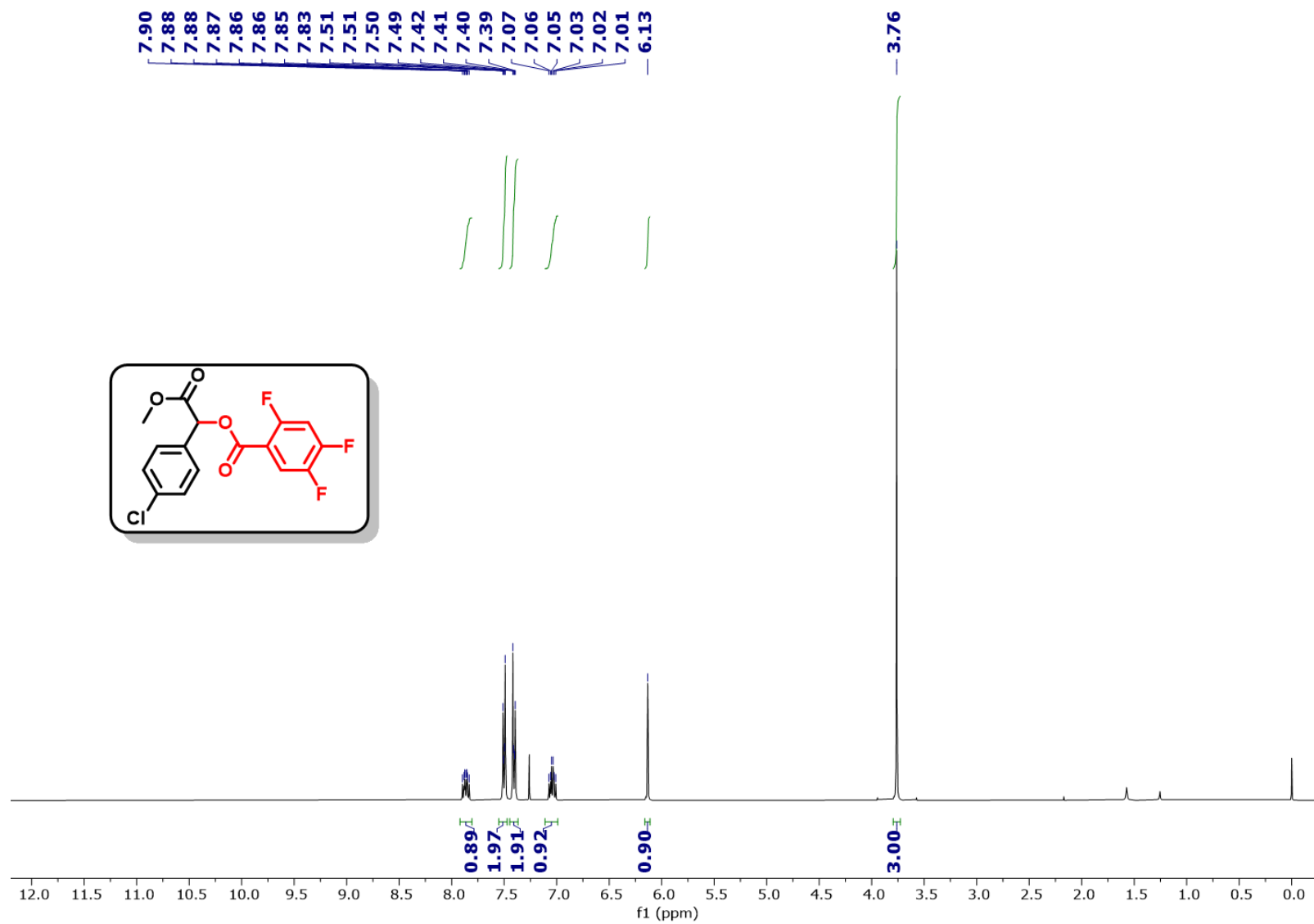


Fig. S59. ¹H NMR (400 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 2,4,5-trifluorobenzoate (**4b**).

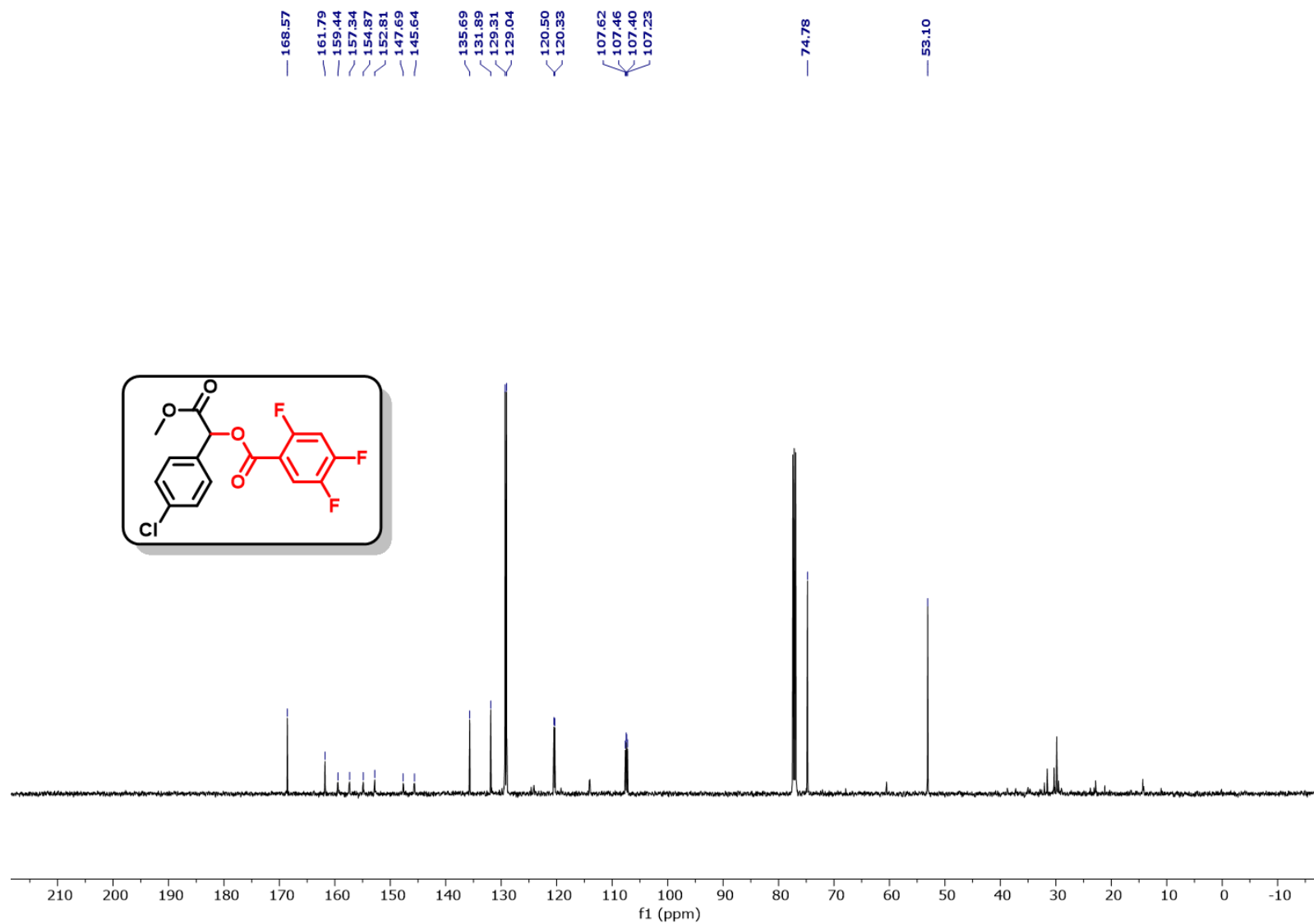


Fig. S60. ¹³C NMR (126 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 2,4,5-trifluorobenzoate (**4b**).

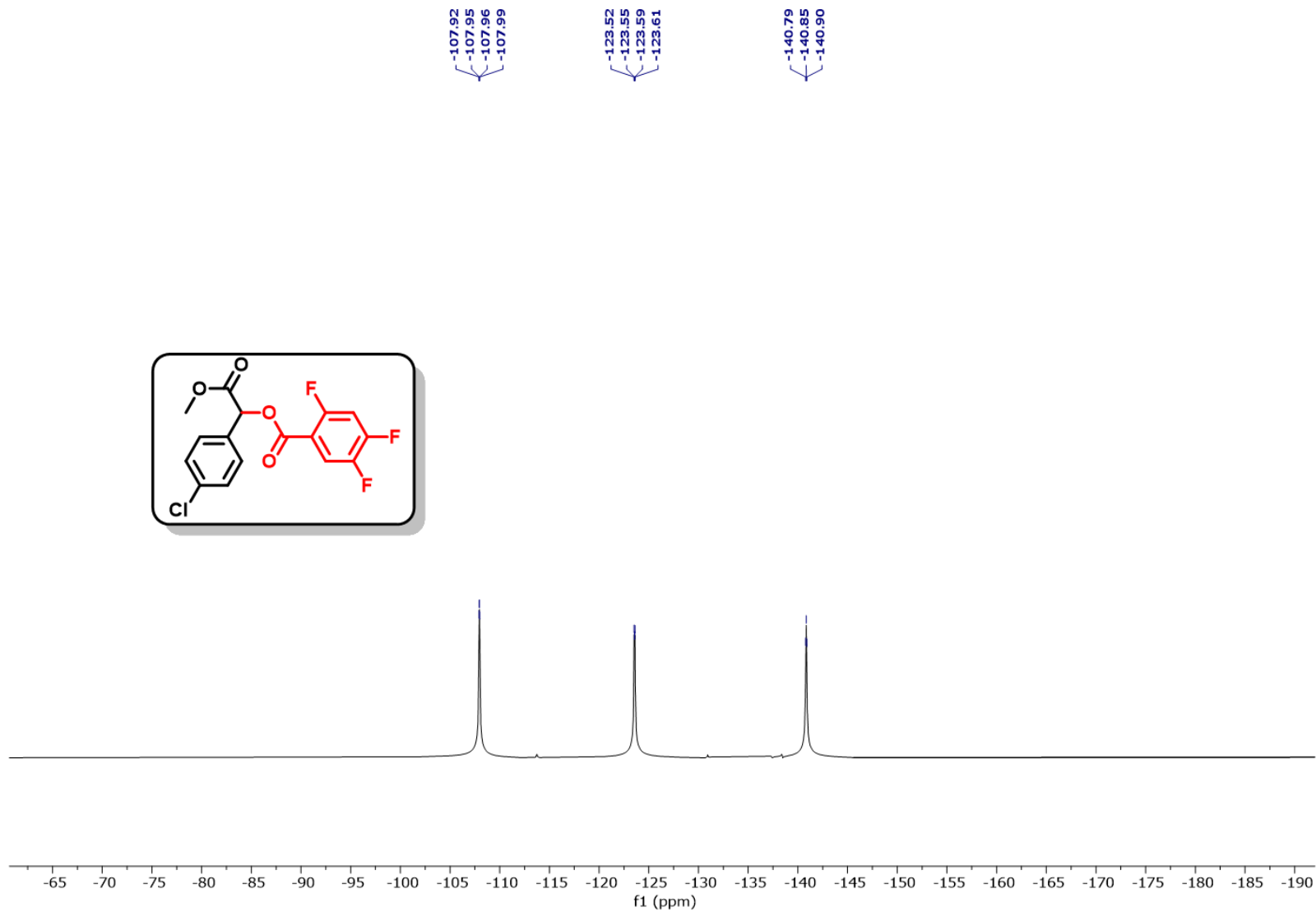


Fig. S61. ^{19}F NMR (376 MHz, CDCl_3) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 2,4,5-trifluorobenzoate (**4b**).

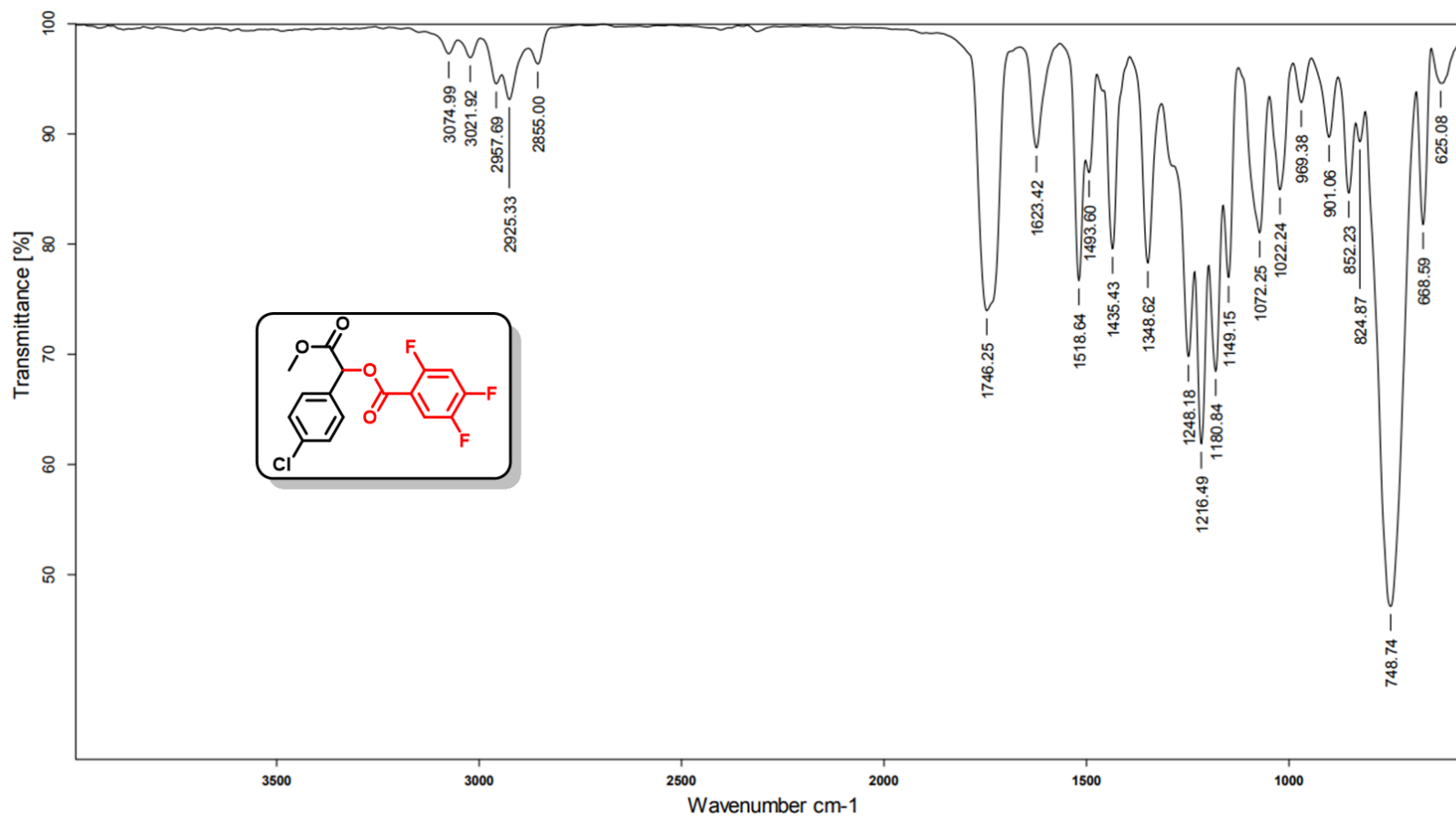


Fig. S62. IR spectra of spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 2,4,5-trifluorobenzoate (**4b**).

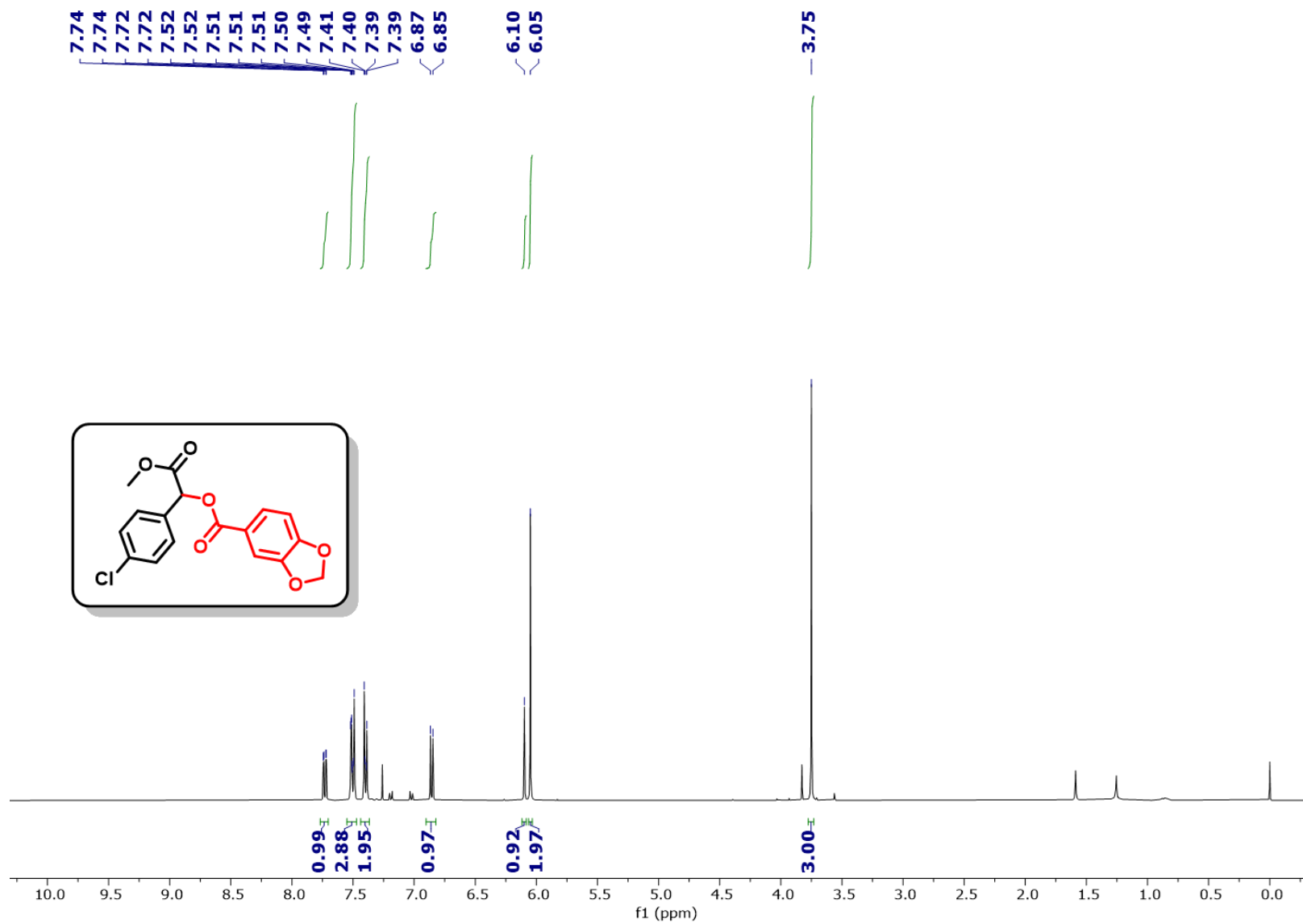


Fig. S63. ¹H NMR (400 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl benzo[d][1,3]dioxole-5-carboxylate (**4c**).

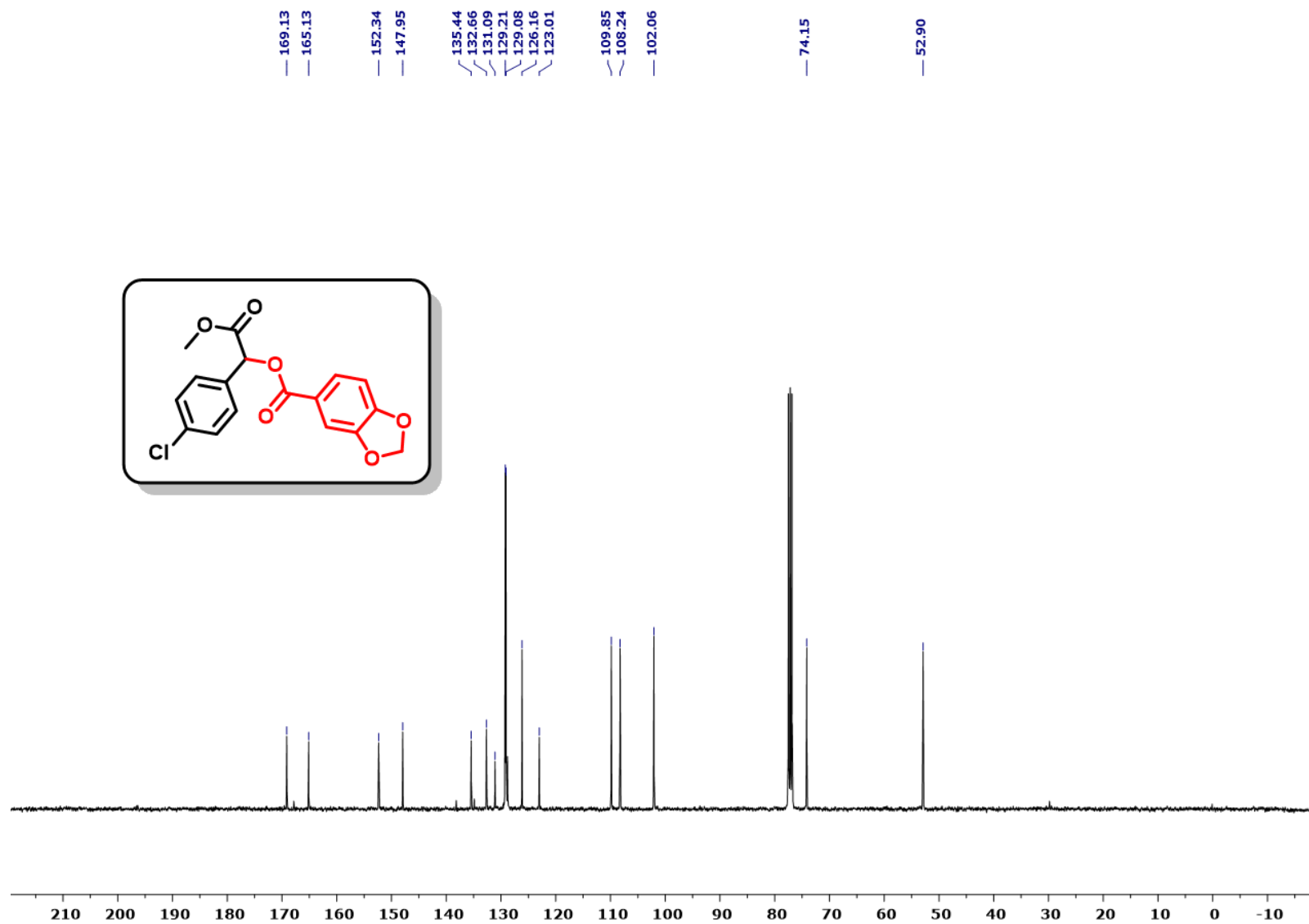


Fig. S64. ¹³C NMR (101 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl benzo[d][1,3]dioxole-5-carboxylate (**4c**).

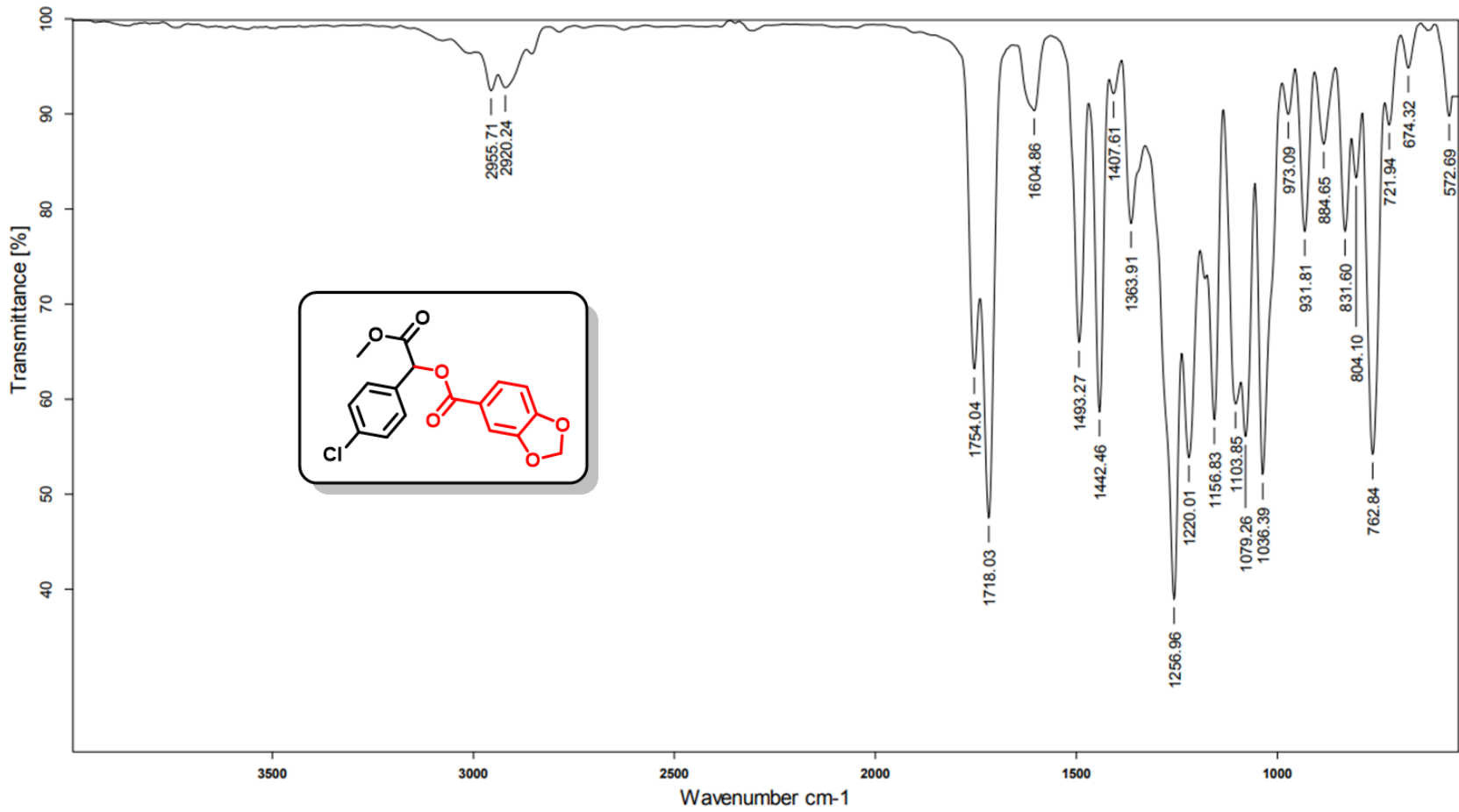


Fig. S65. IR spectra of spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl benzo[d][1,3]dioxole-5-carboxylate (**4c**).

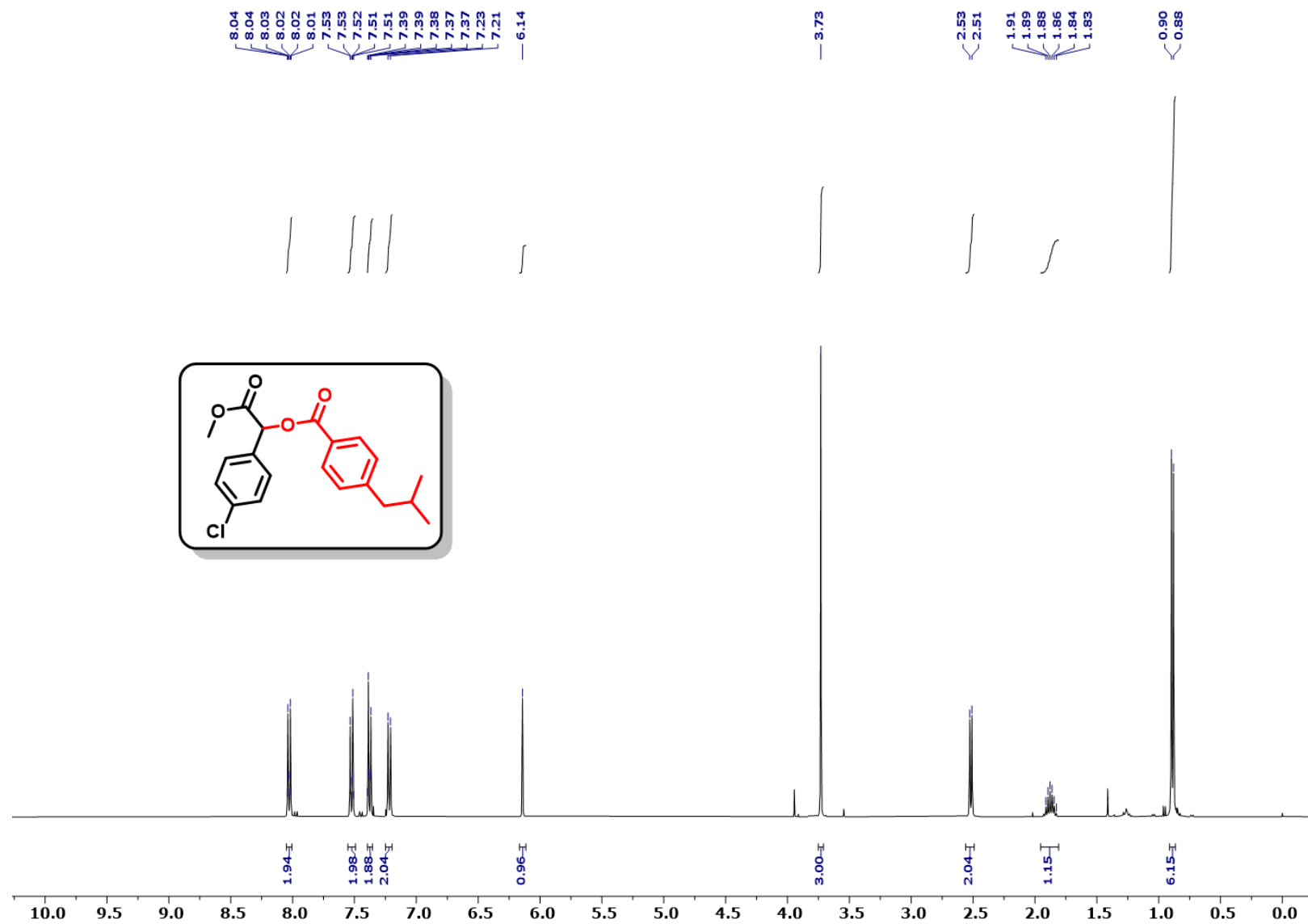


Fig. S66. ¹H NMR (400 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 4-isobutylbenzoate (**4d**).

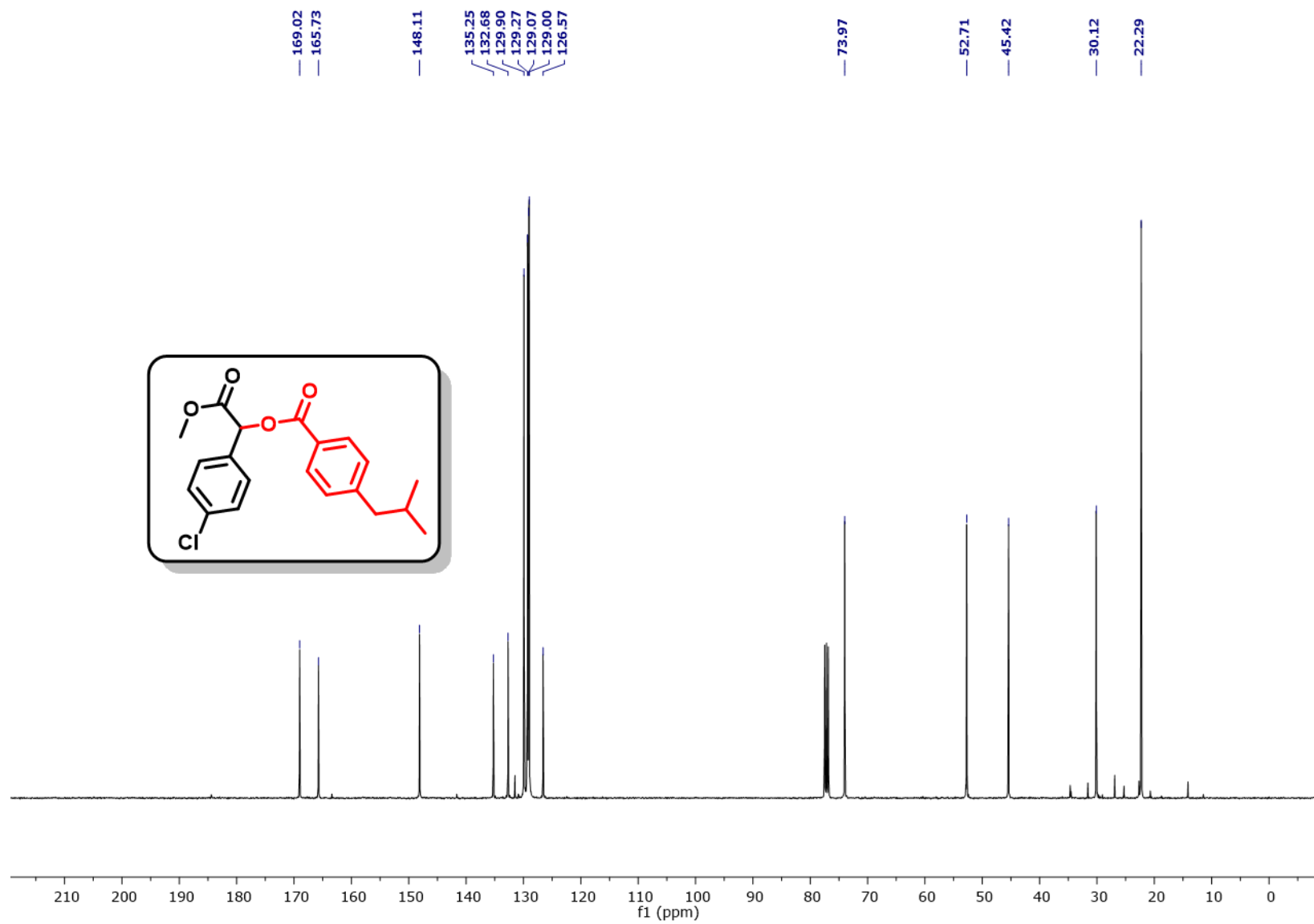


Fig. S67. ¹³C NMR (101 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 4-isobutylbenzoate (**4d**).

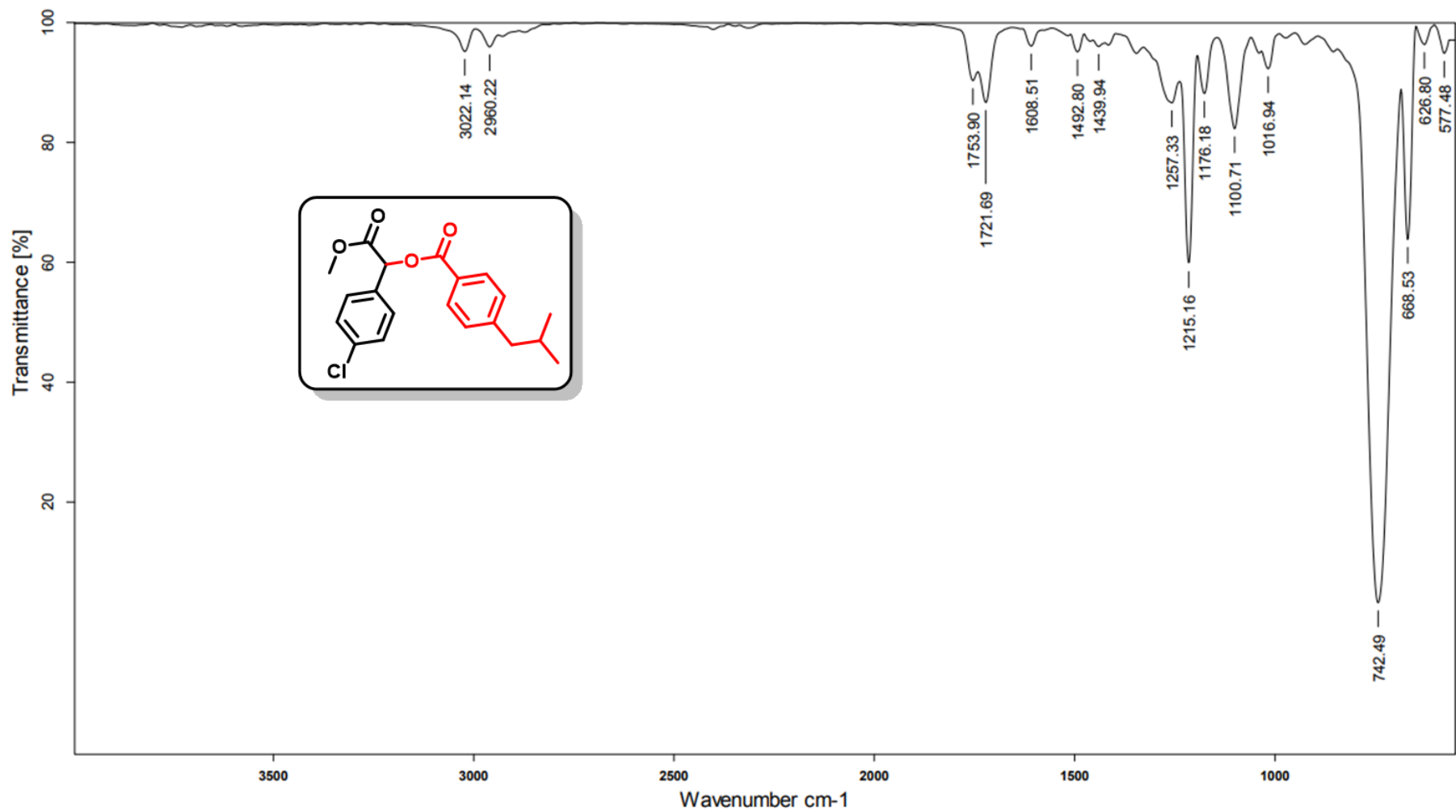


Fig. S68. IR spectra of spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 4-isobutylbenzoate (**4d**).

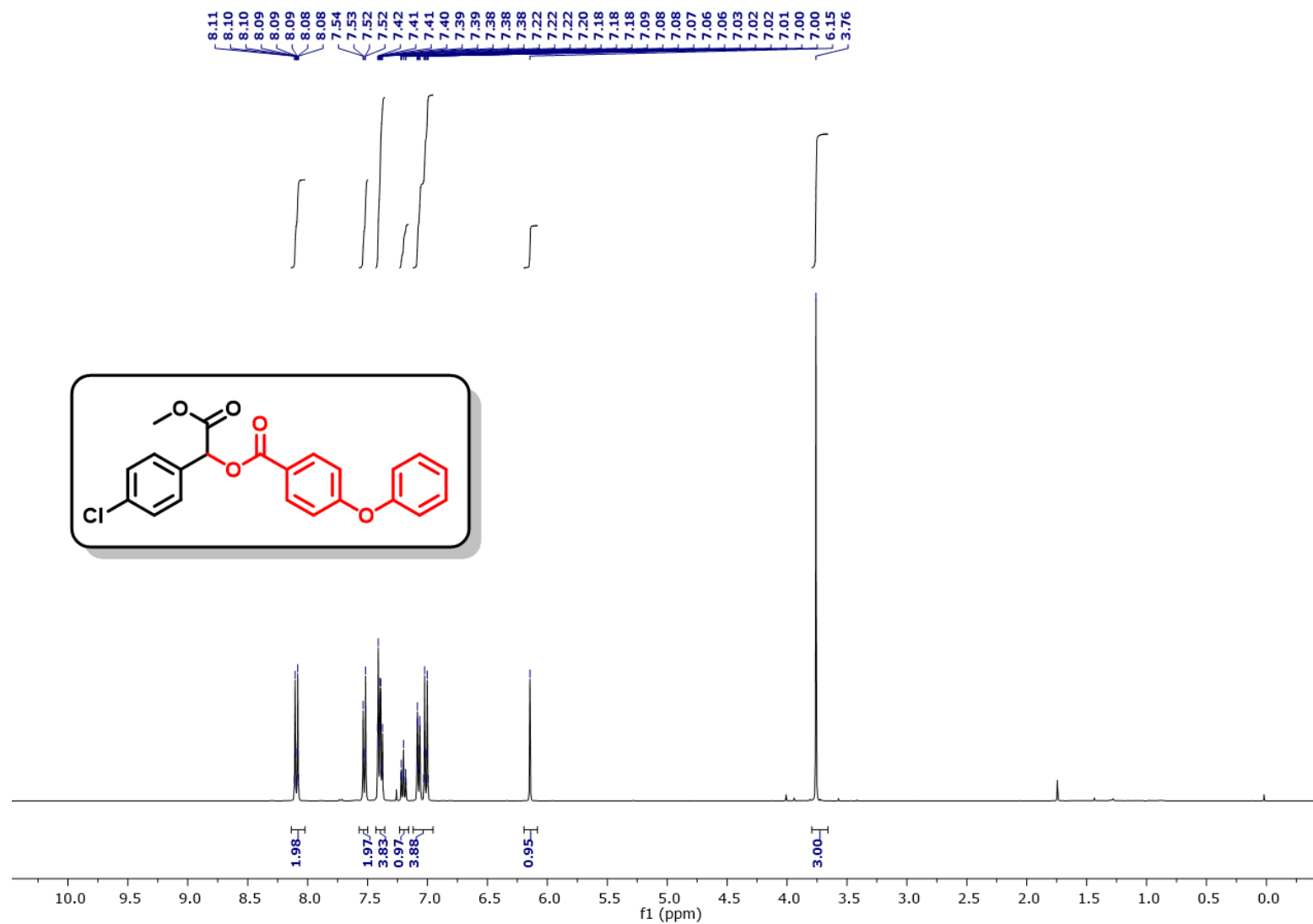


Fig. S69. ¹H NMR (400 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 4-phenoxybenzoate (**4e**).

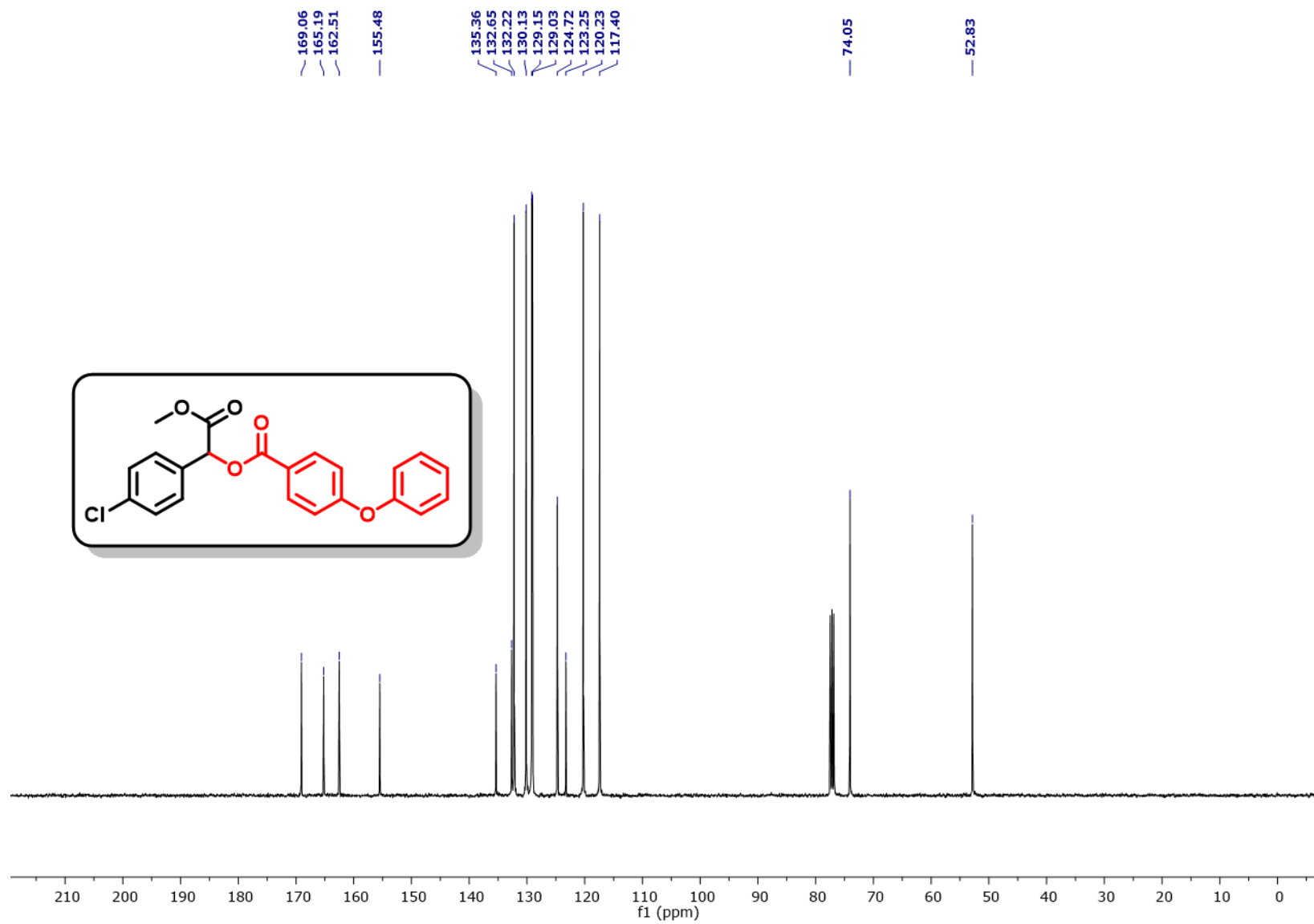


Fig. S70. ¹³C NMR (101 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 4-phenoxybenzoate (**4e**).

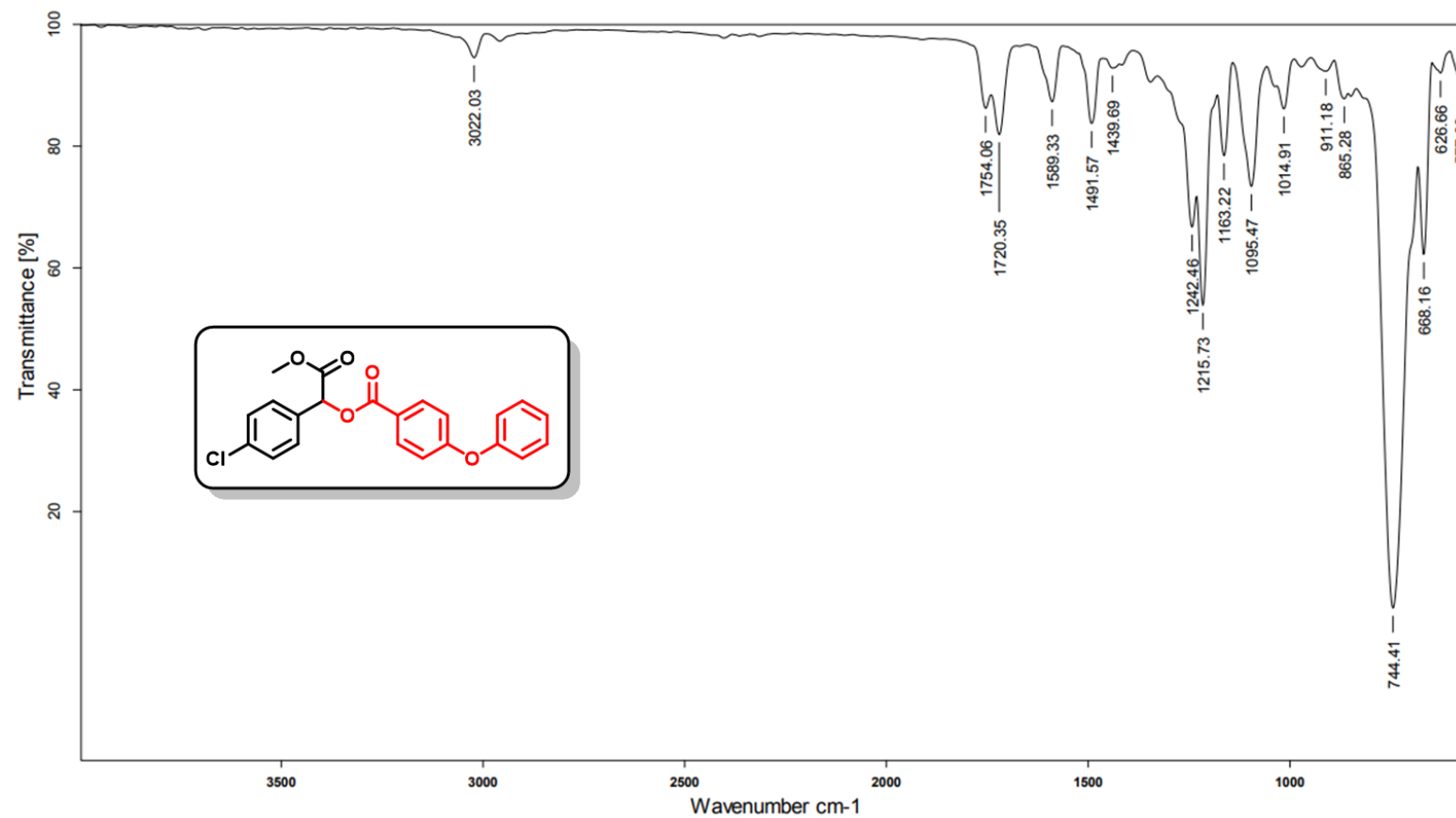


Fig. S71. IR spectra of spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 4-phenoxybenzoate (**4e**).

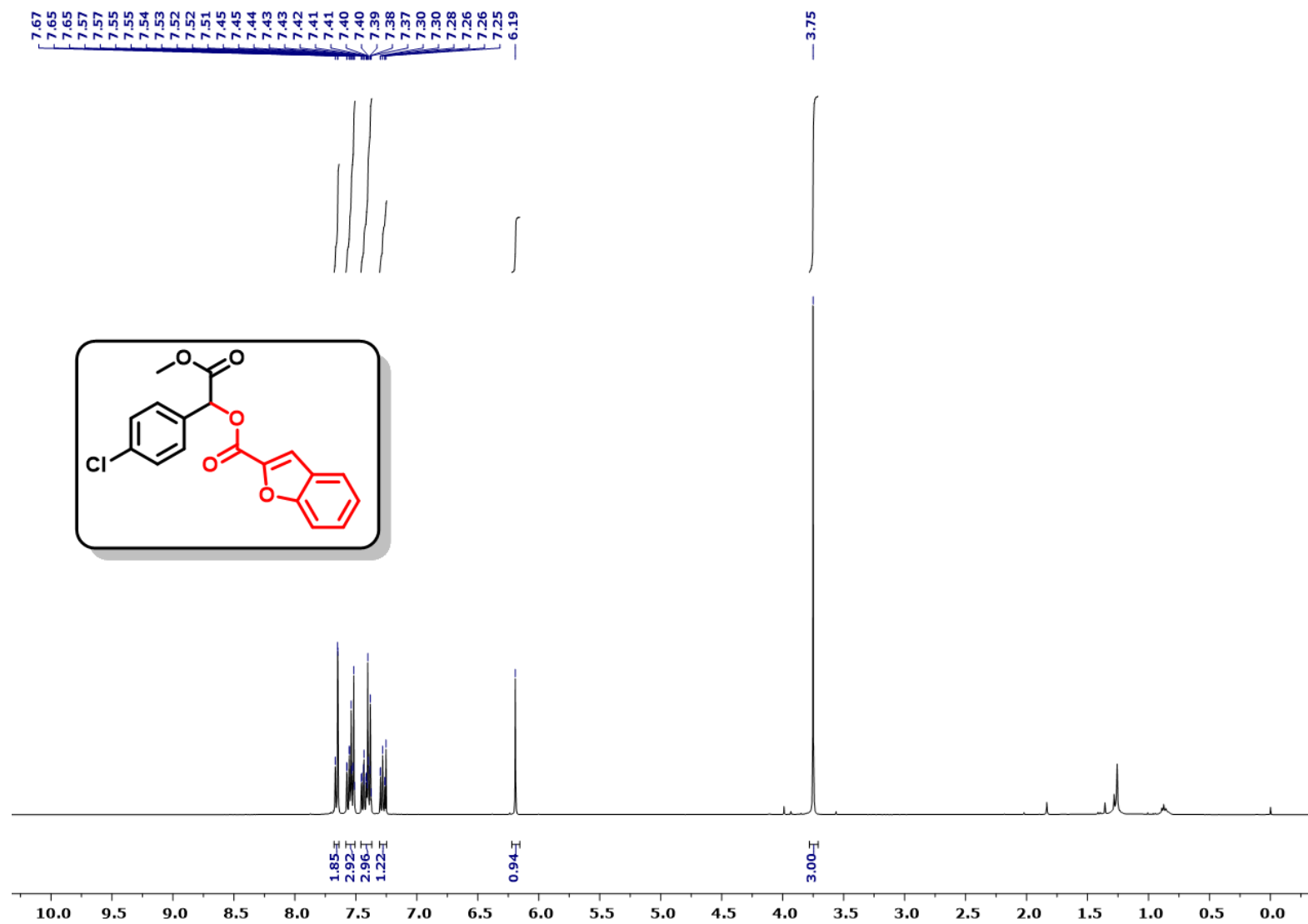


Fig. S72. ¹H NMR (400 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl benzofuran-2-carboxylate (4f).

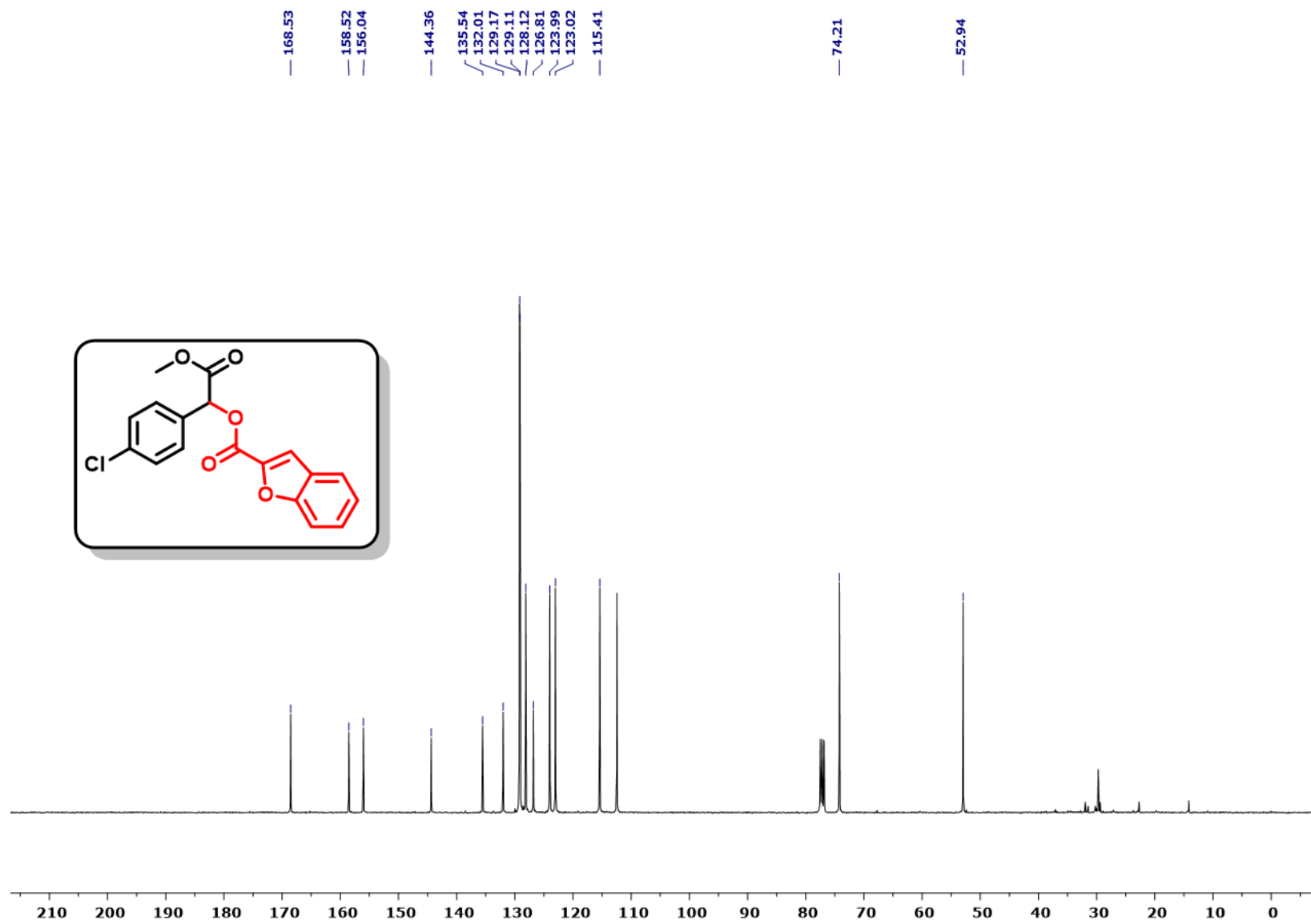


Fig. S73. ¹³C NMR (101 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl benzofuran-2-carboxylate (**4f**).

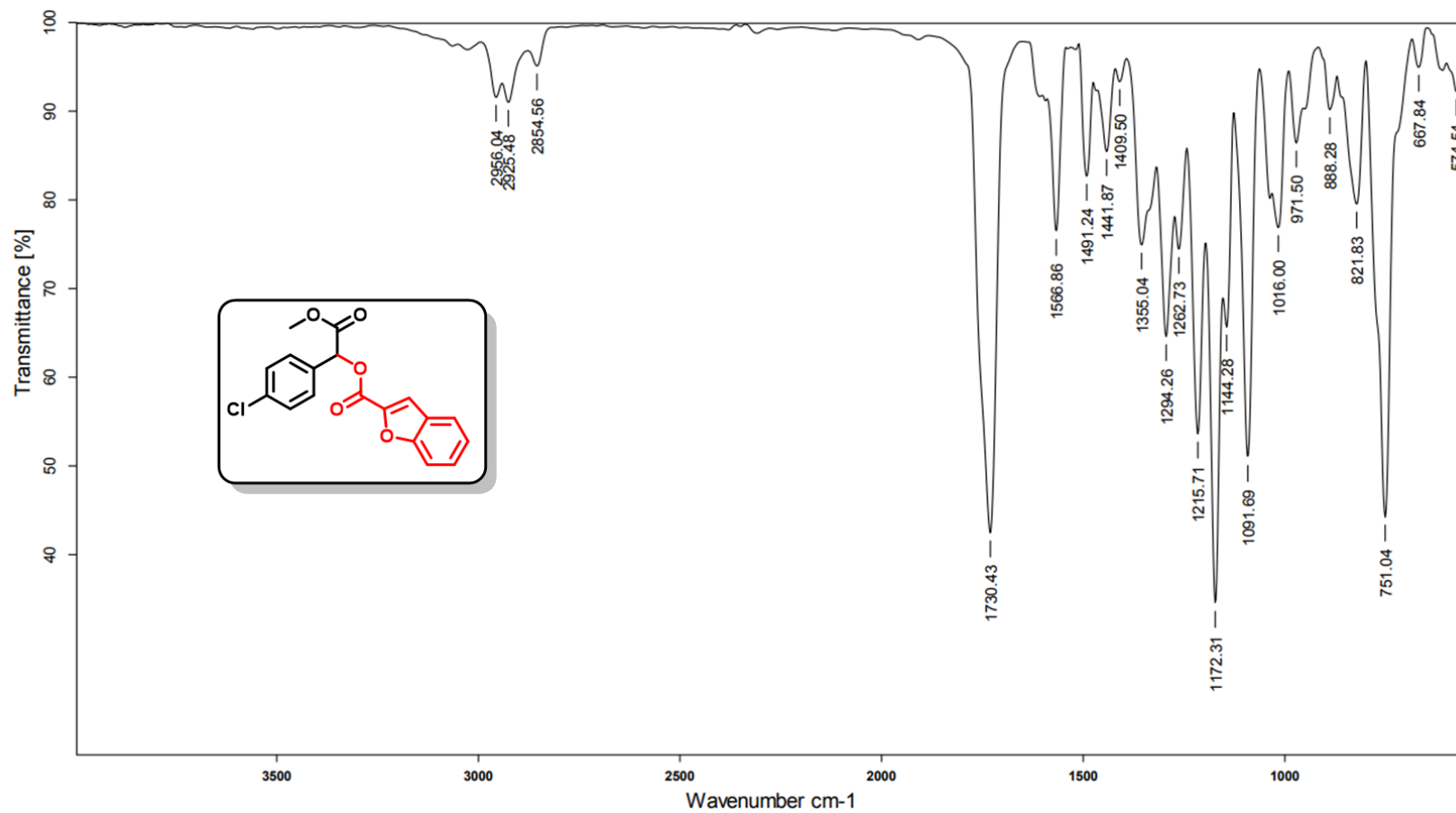


Fig. S74. IR spectra of spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl benzofuran-2-carboxylate (**4f**).

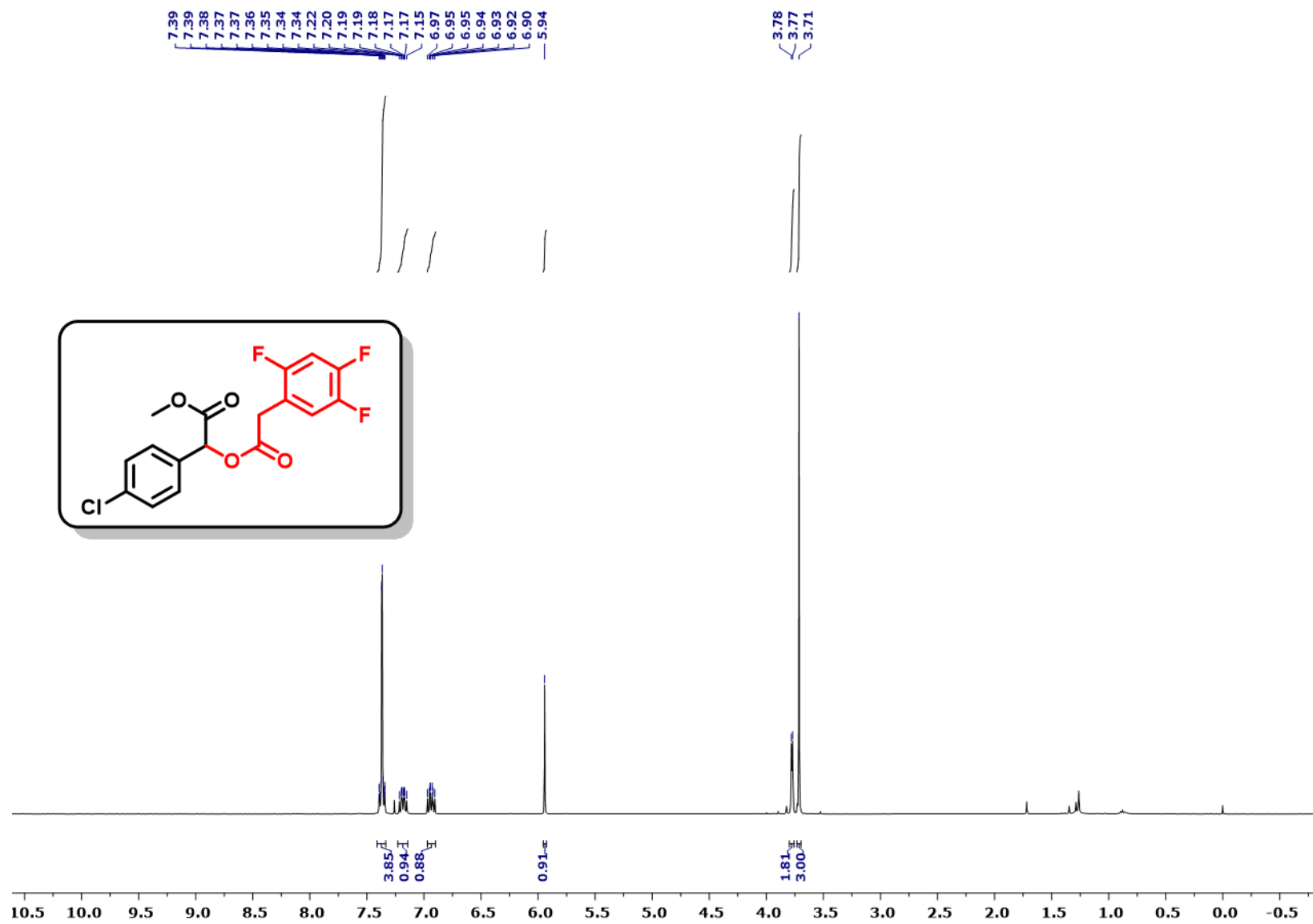


Fig. S75. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-chlorophenyl)-2-(2-(2,4,5-trifluorophenyl)acetoxy)acetate (**4g**).

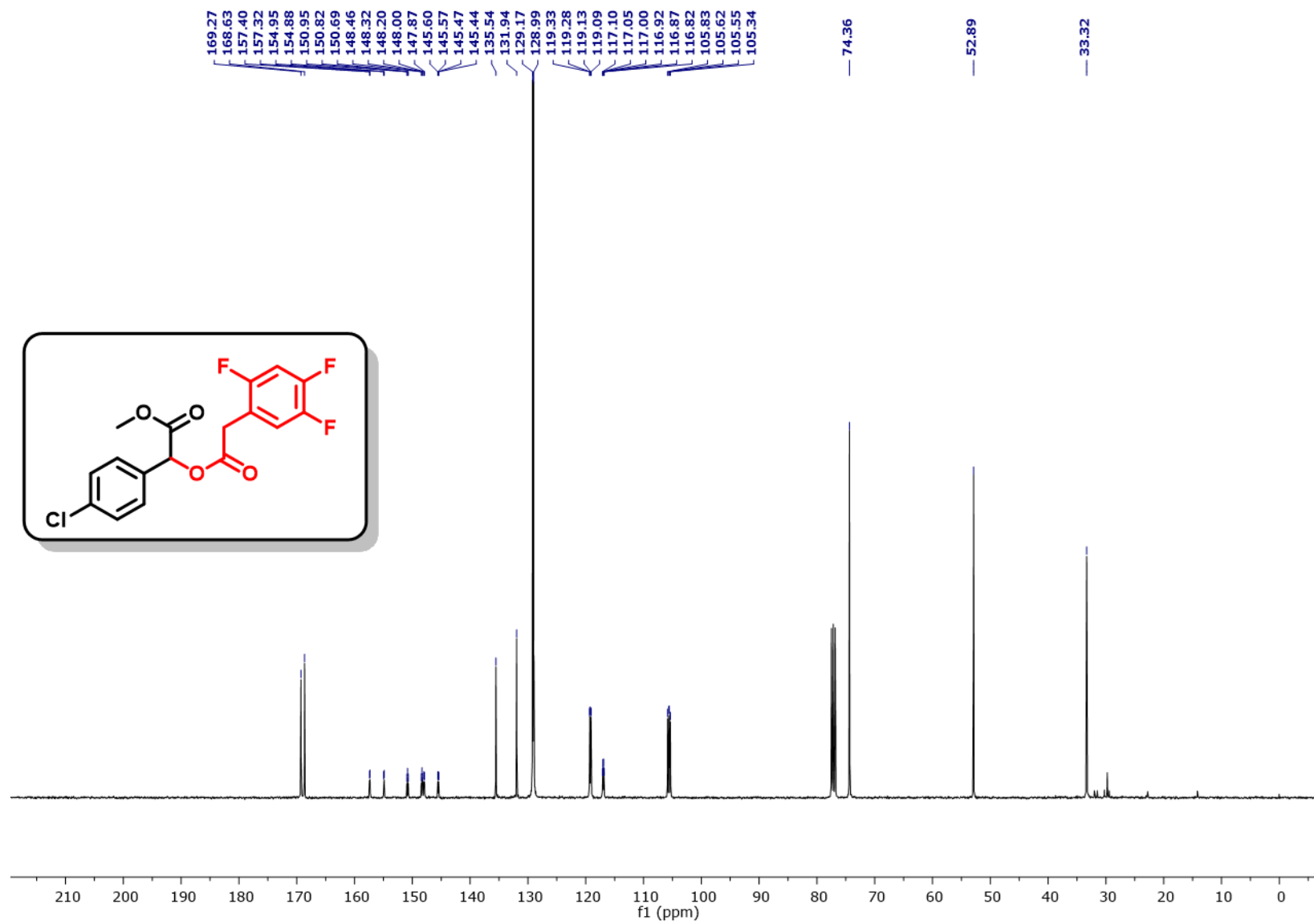


Fig. S76. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 2-(4-chlorophenyl)-2-(2-(2,4,5-trifluorophenyl)acetoxy)acetate (**4g**).

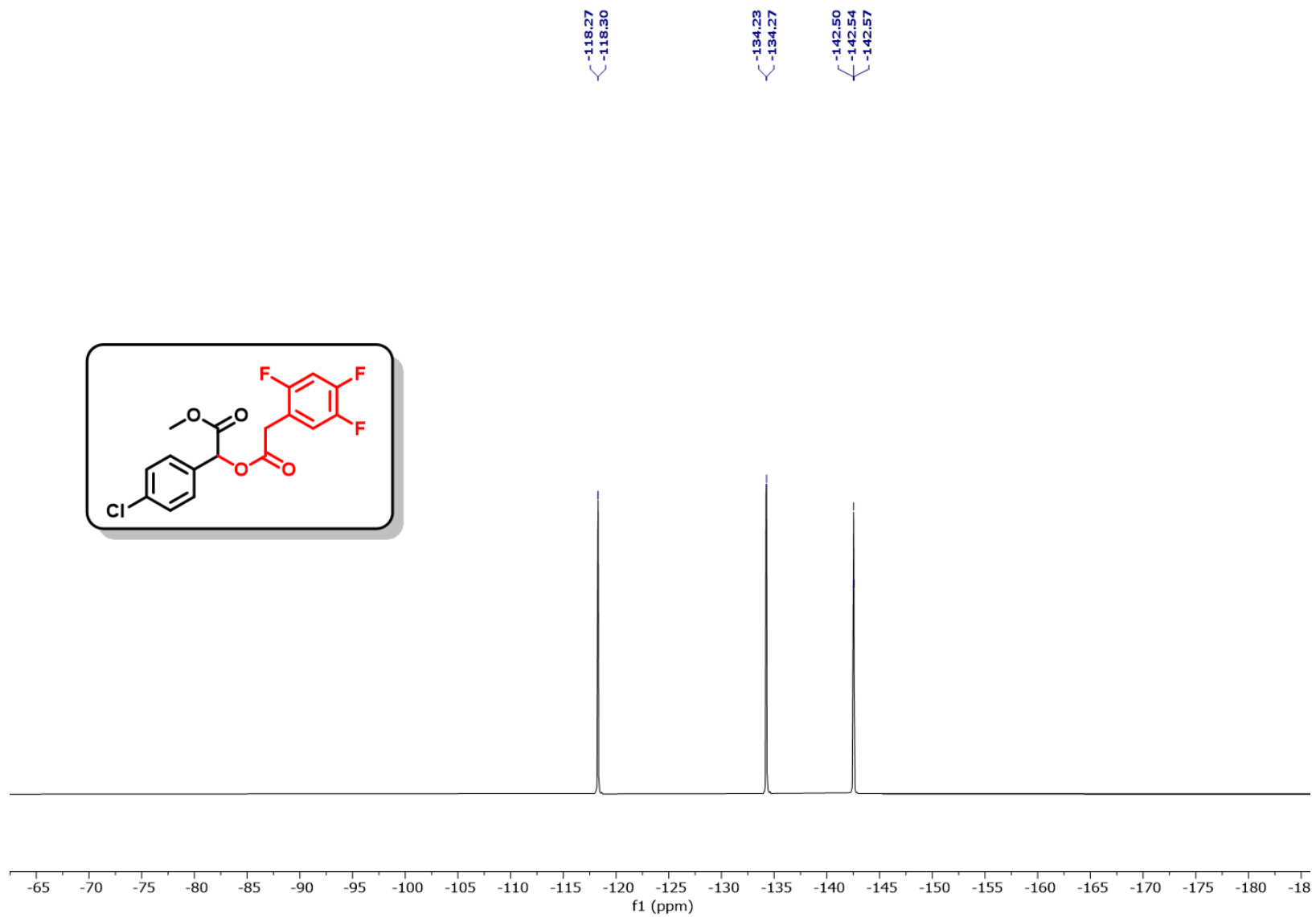


Fig. S77. ^{19}F NMR (471 MHz, CDCl_3) spectra of methyl 2-(4-chlorophenyl)-2-(2-(2,4,5-trifluorophenyl)acetoxy)acetate (**4g**).

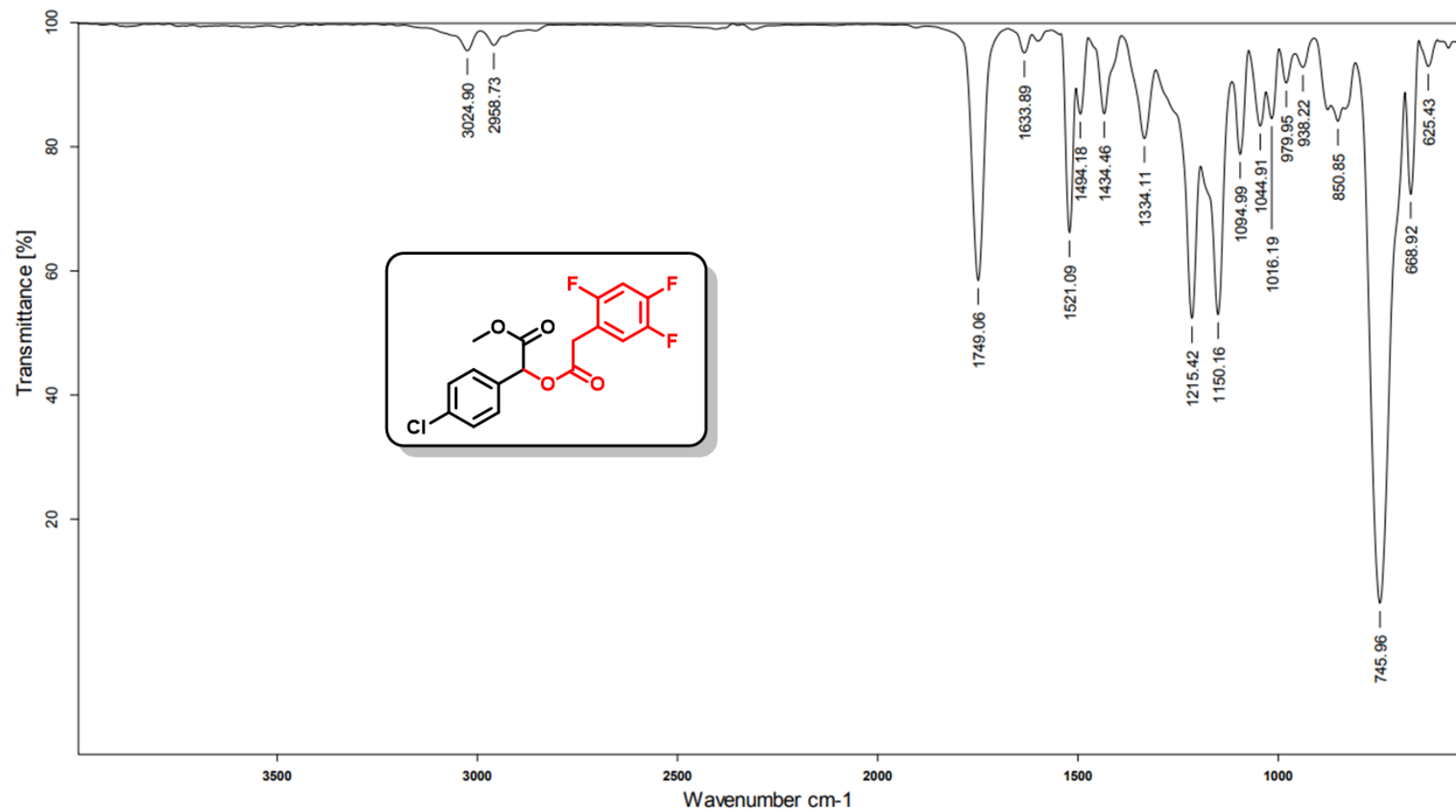


Fig. S78. IR spectra of spectra of methyl 2-(4-chlorophenyl)-2-(2-(2,4,5-trifluorophenyl)acetoxy)acetate (**4g**).

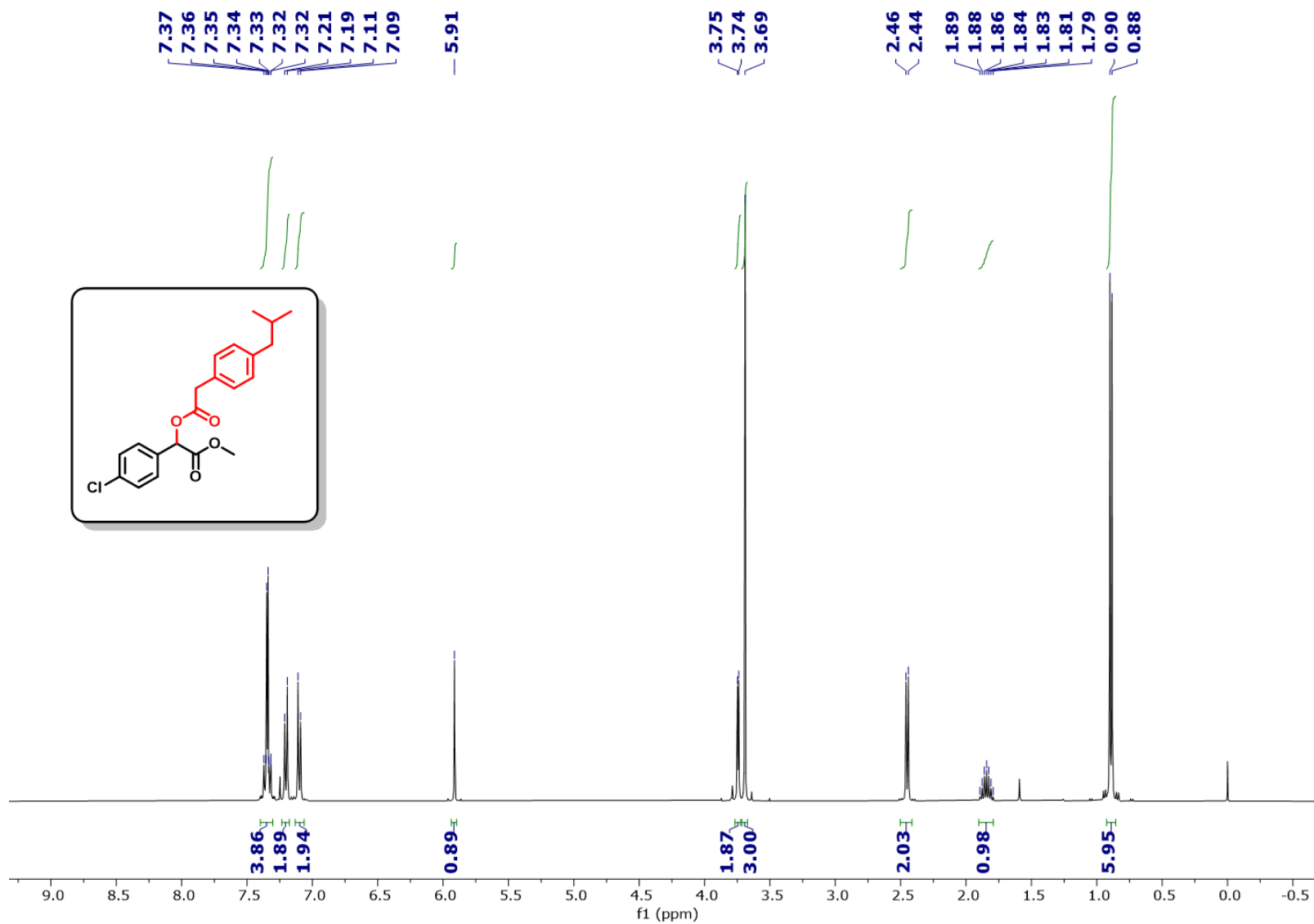


Fig. S79. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-chlorophenyl)-2-(2-(4-isobutylphenyl)acetoxy)acetate (**4h**).

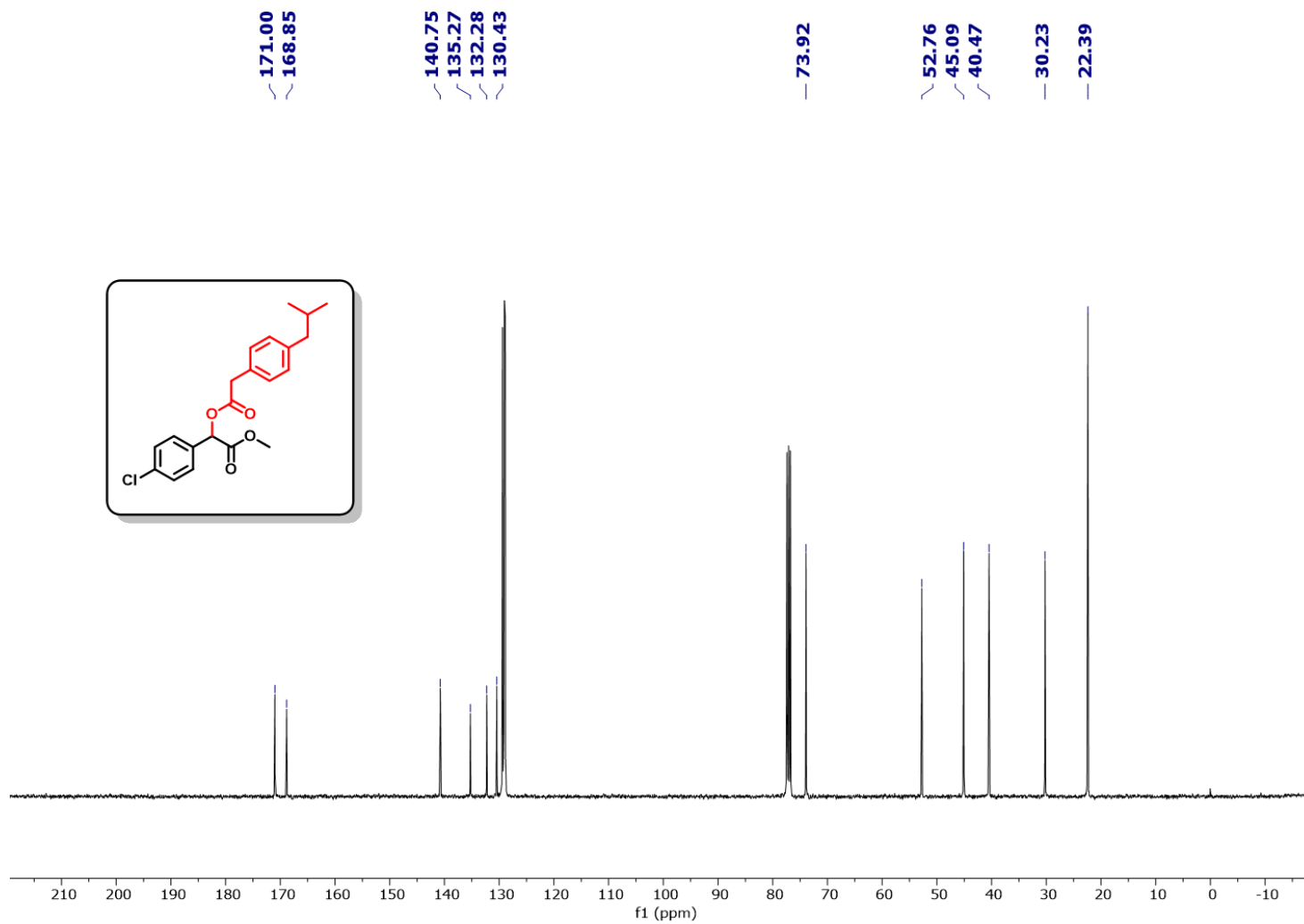


Fig. S80. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 2-(4-chlorophenyl)-2-(2-(4-isobutylphenyl)acetoxy)acetate (**4h**).

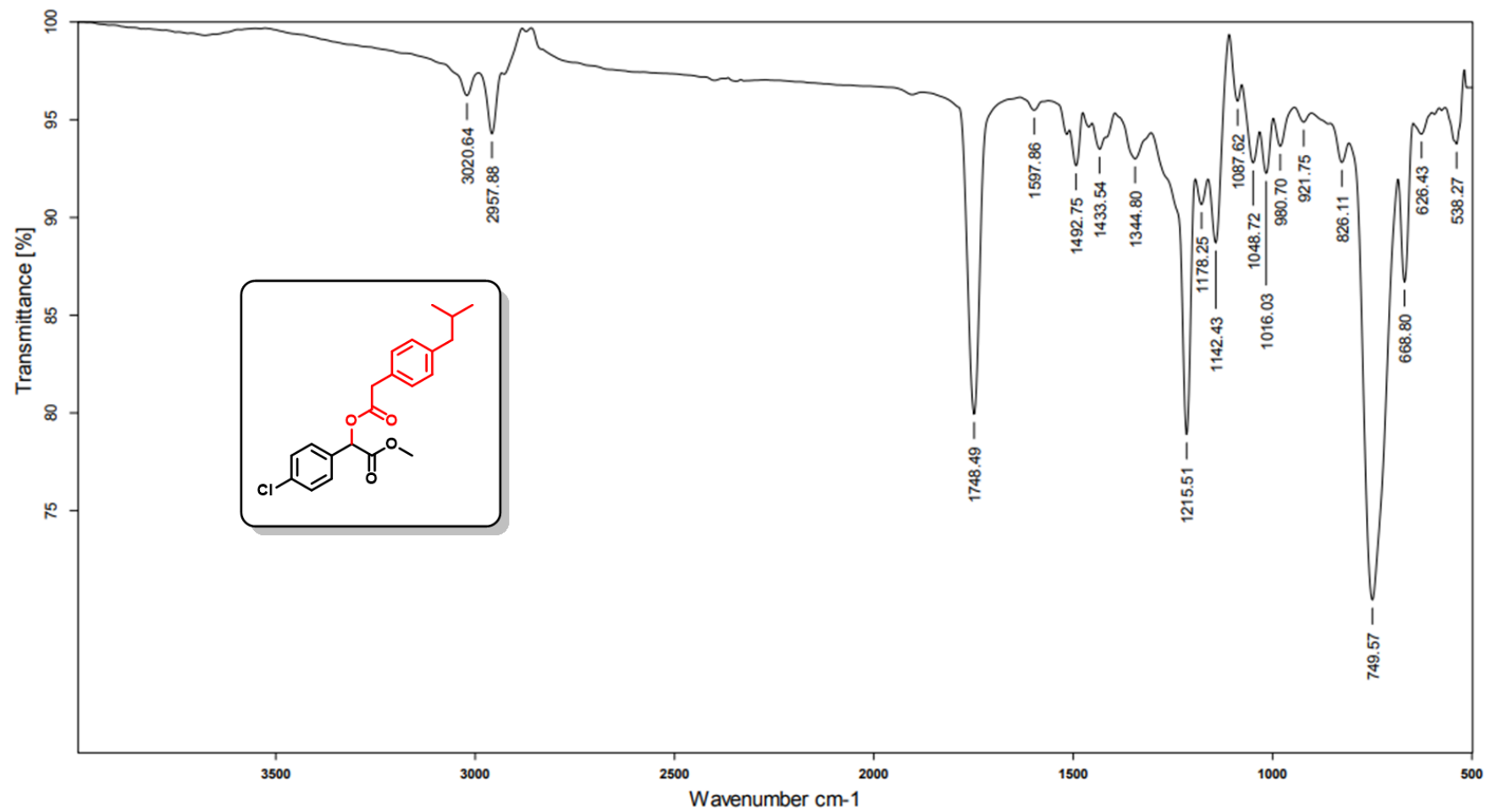


Fig. S81. IR spectra of spectra of methyl 2-(4-chlorophenyl)-2-(2-(4-isobutylphenyl)acetoxy)acetate (**4h**).

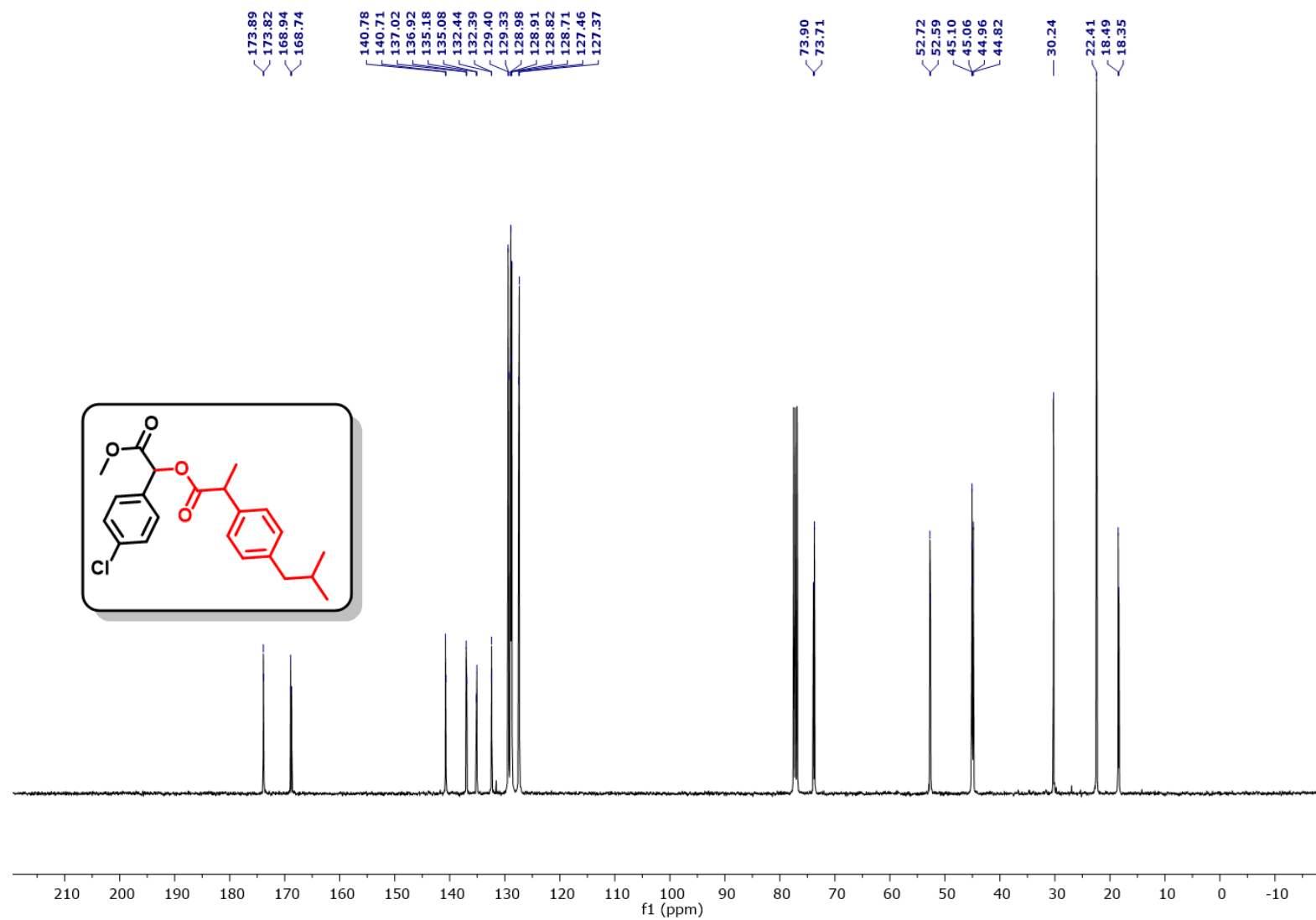


Fig. S83. ^{13}C NMR (101 MHz, CDCl_3) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 2-(4-isobutylphenyl)propanoate (**4i**).

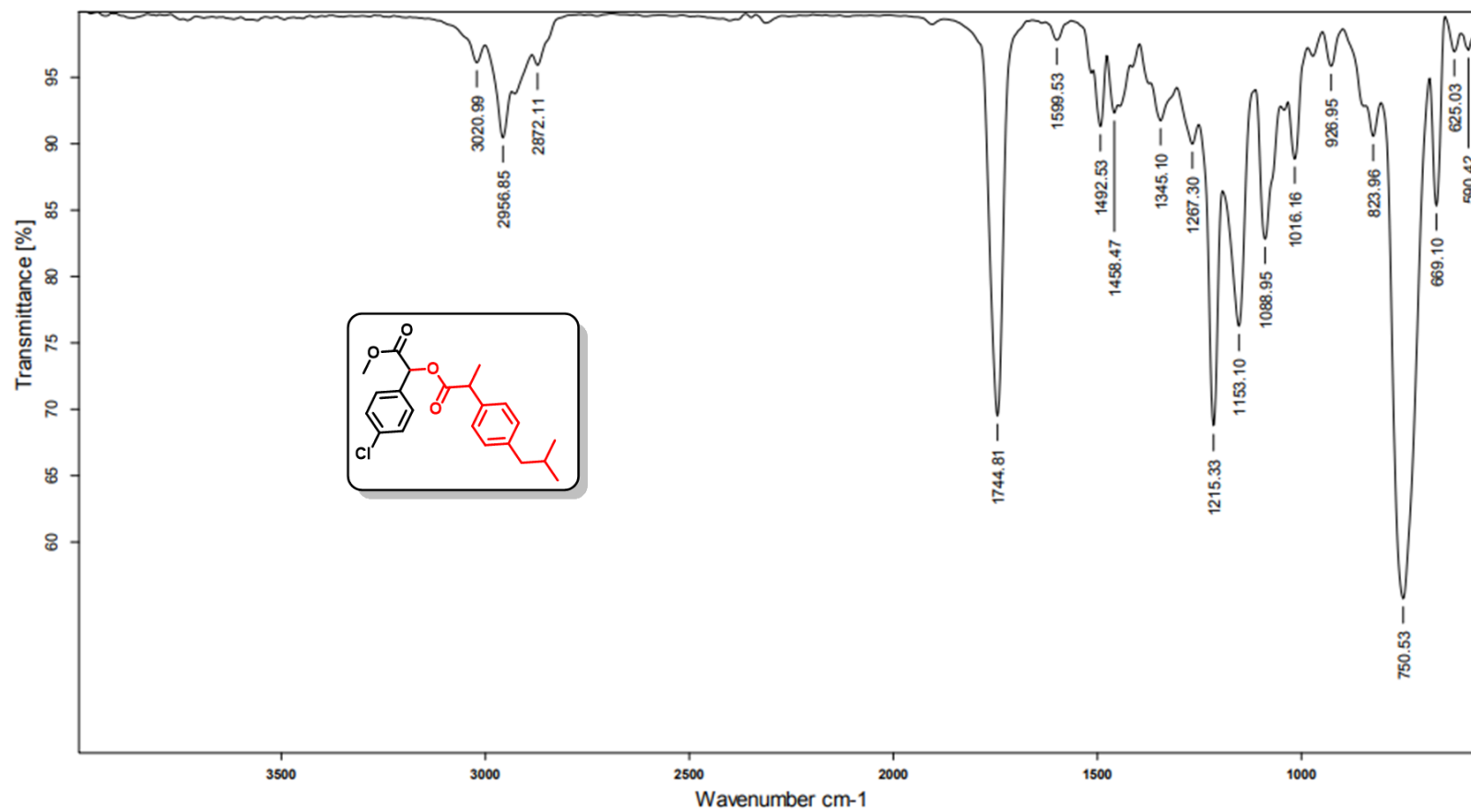


Fig. S84. IR spectra of spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 2-(4-isobutylphenyl)propanoate (**4i**).

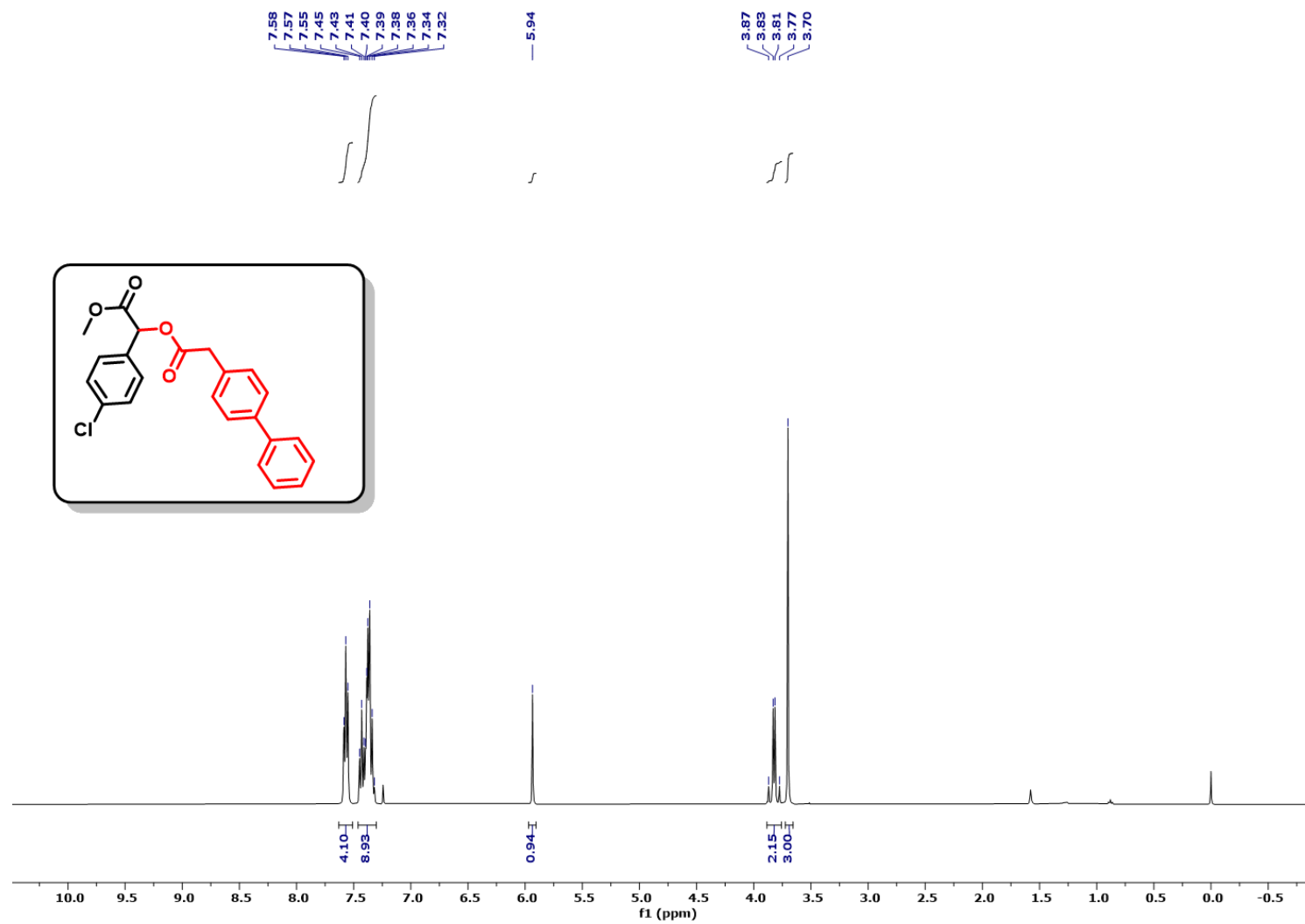


Fig. S85. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(2-([1,1'-biphenyl]-4-yl)acetoxy)-2-(4-chlorophenyl)acetate (**4j**).

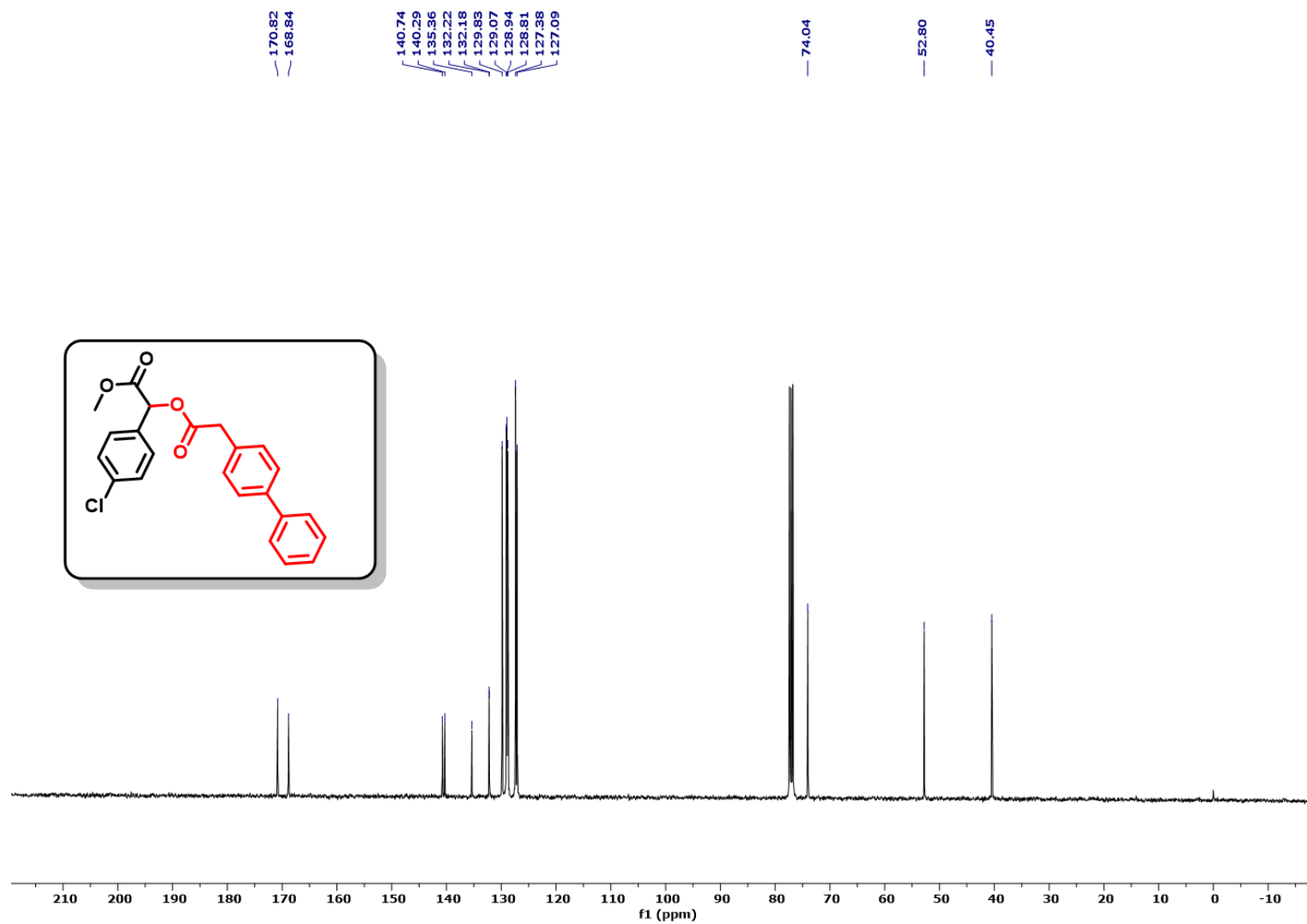


Fig. S86. ¹³C NMR (101 MHz, CDCl₃) spectra of methyl 2-(2-([1,1'-biphenyl]-4-yl)acetoxy)-2-(4-chlorophenyl)acetate (**4j**).

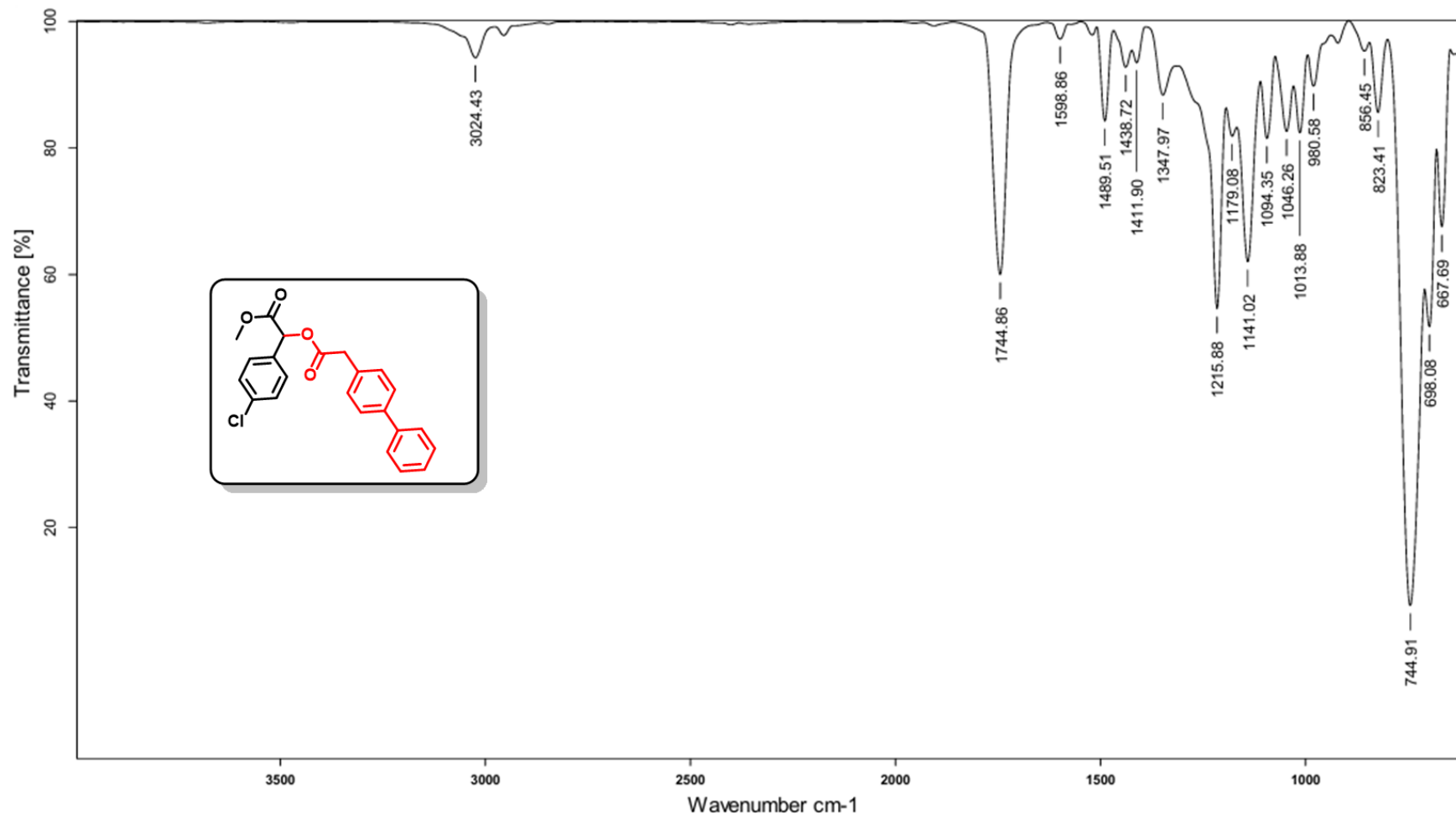


Fig. S87. IR spectra of spectra of methyl 2-(2-([1,1'-biphenyl]-4-yl)acetoxy)-2-(4-chlorophenyl)acetate (**4j**).

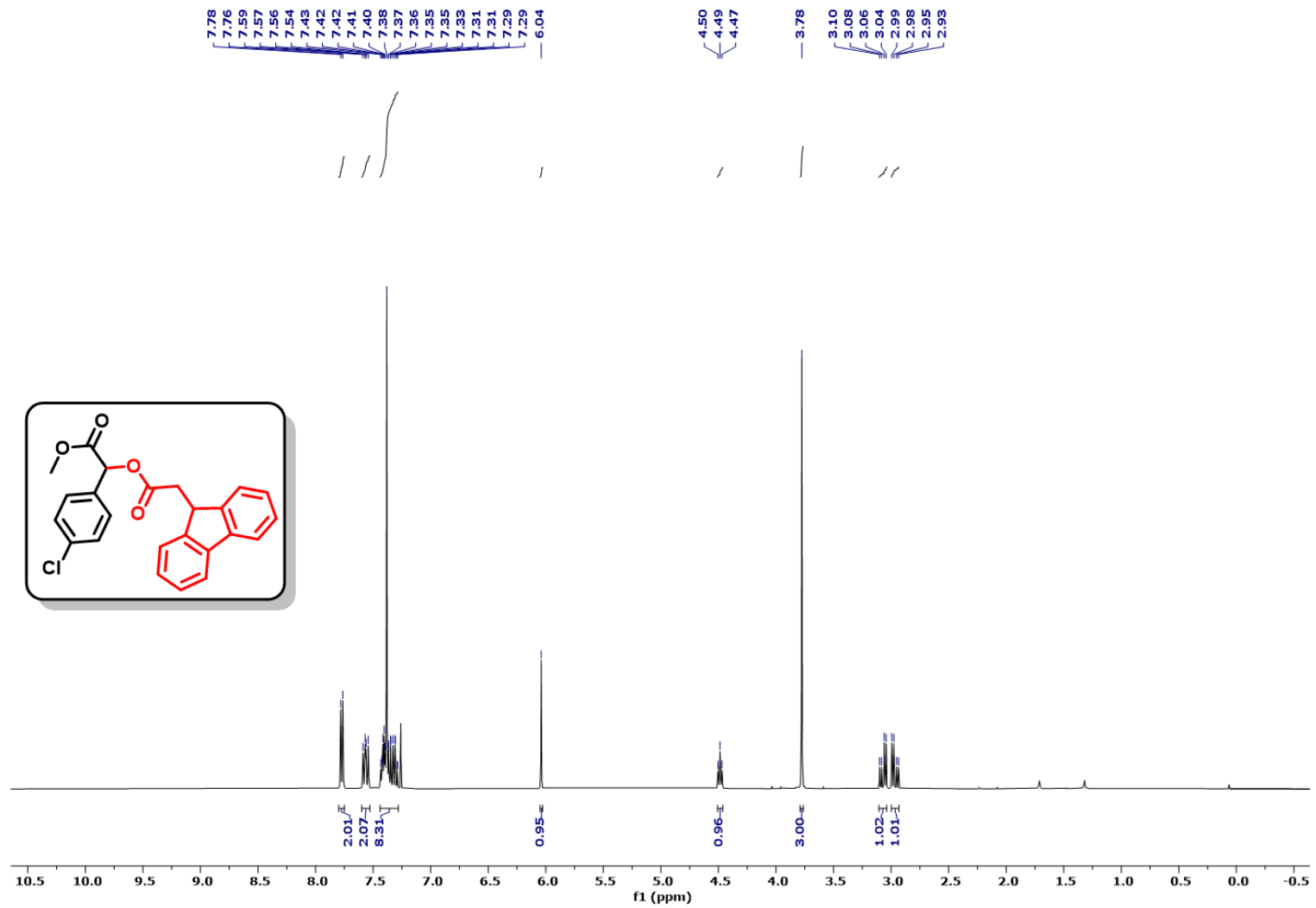


Fig. S88. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(2-(9H-fluoren-9-yl)acetoxy)-2-(4-chlorophenyl)acetate (**4k**).

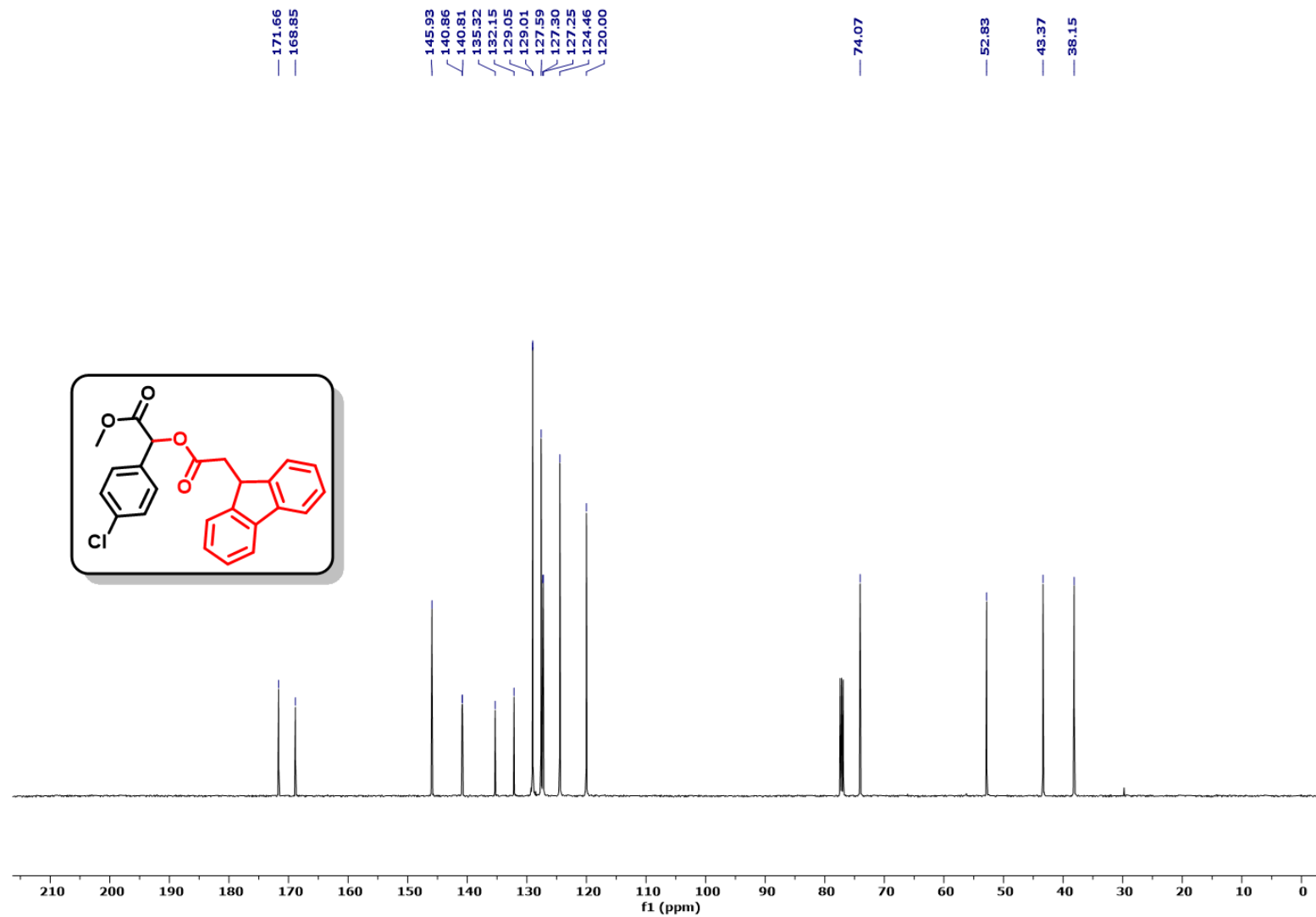


Fig. S89. ^{13}C NMR (126 MHz, CDCl_3) spectra of methyl 2-(2-(9H-fluoren-9-yl)acetoxy)-2-(4-chlorophenyl)acetate (**4k**).

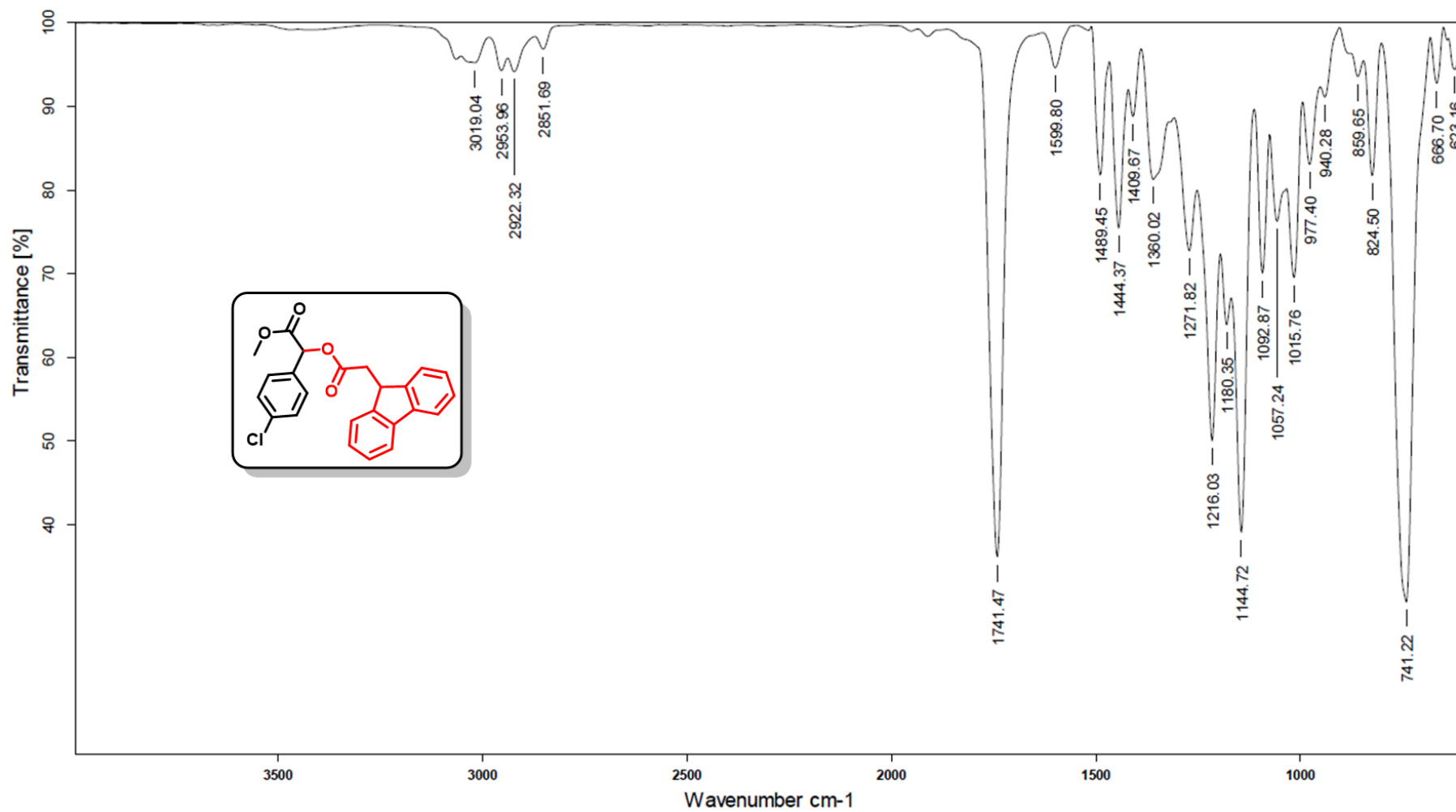


Fig. S90. IR spectra of spectra of methyl 2-(2-(9H-fluoren-9-yl)acetoxy)-2-(4-chlorophenyl)acetate (**4k**).

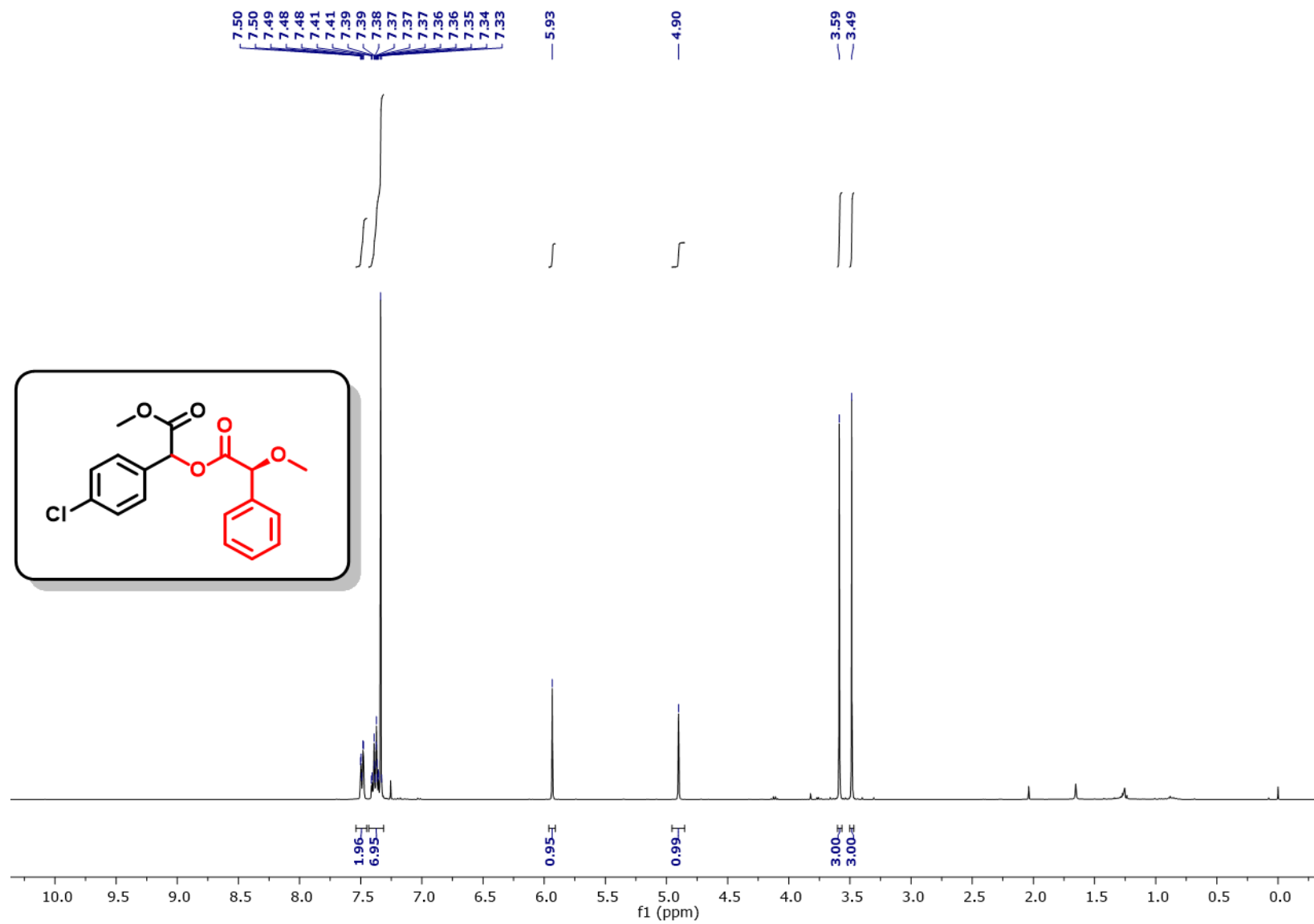


Fig. S91. ¹H NMR (400 MHz, CDCl₃) spectra of . 1-(4-Chlorophenyl)-2-methoxy-2-oxoethyl (2S)-2-methoxy-2-phenylacetate (**41**).

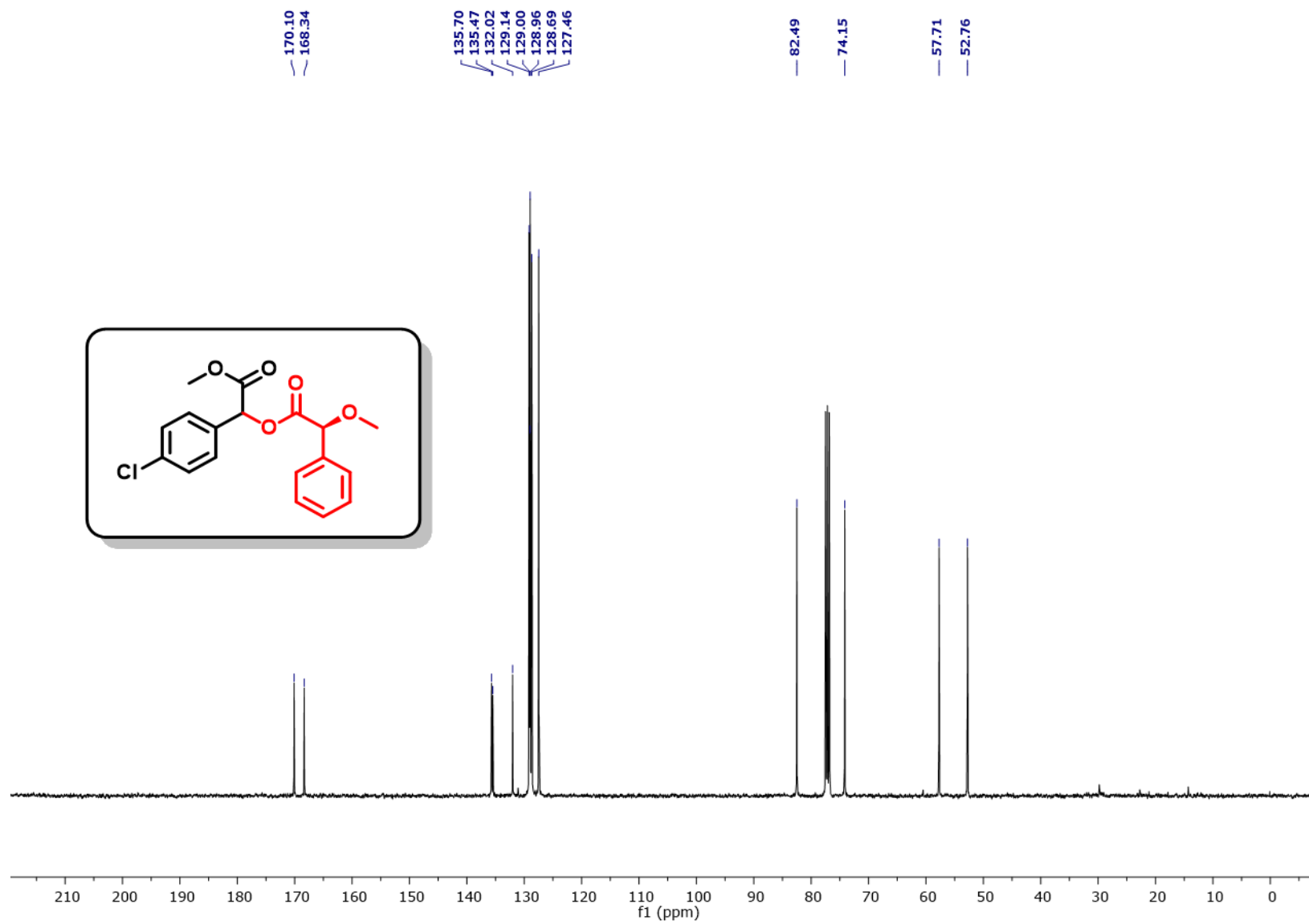


Fig. S92. ¹³C NMR (101 MHz, CDCl₃) spectra of 1-(4-Chlorophenyl)-2-methoxy-2-oxoethyl (2S)-2-methoxy-2-phenylacetate (**4I**).

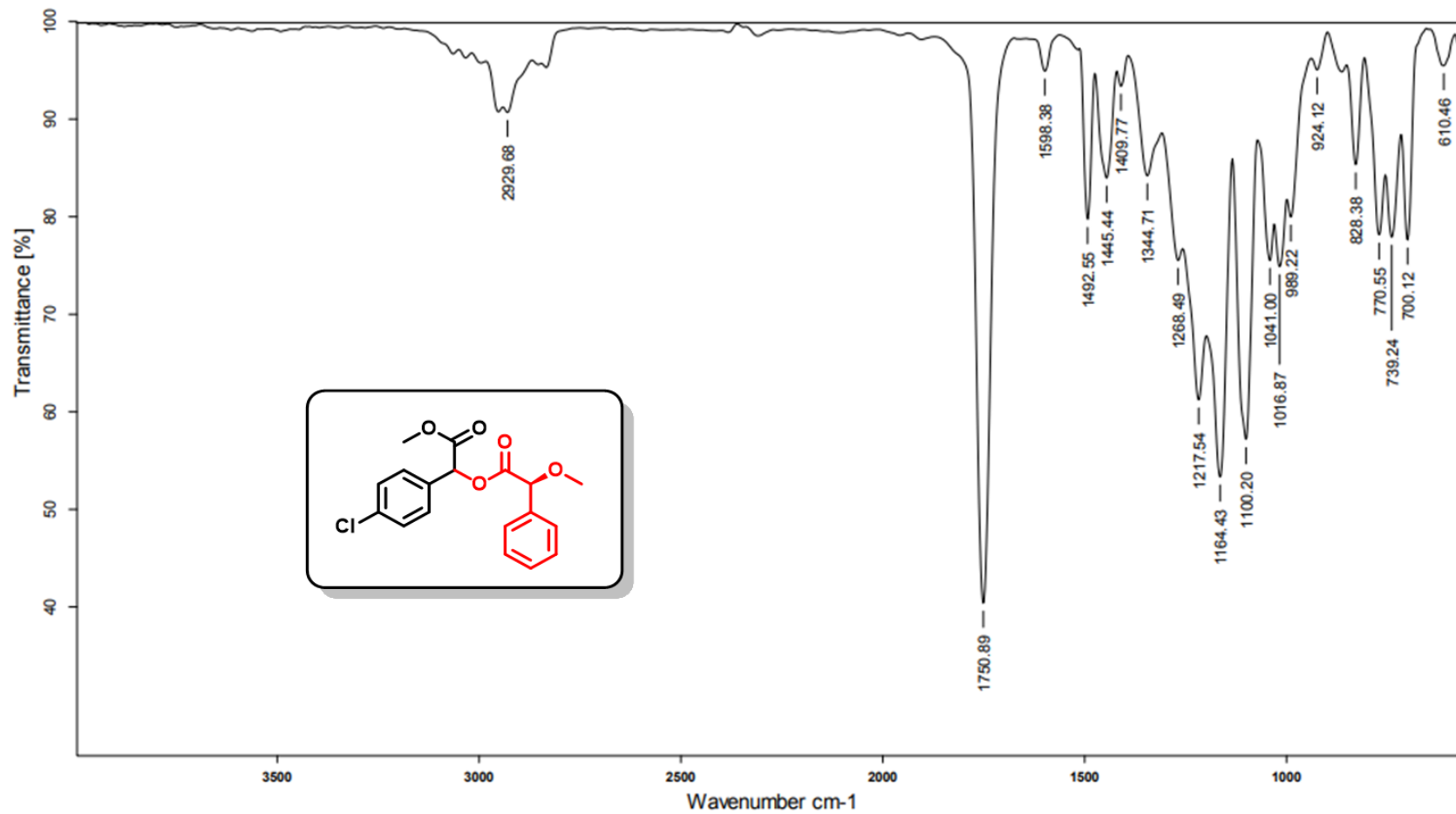


Fig. S93. IR spectra of spectra of 1-(4-Chlorophenyl)-2-methoxy-2-oxoethyl (2S)-2-methoxy-2-phenylacetate (**41**).

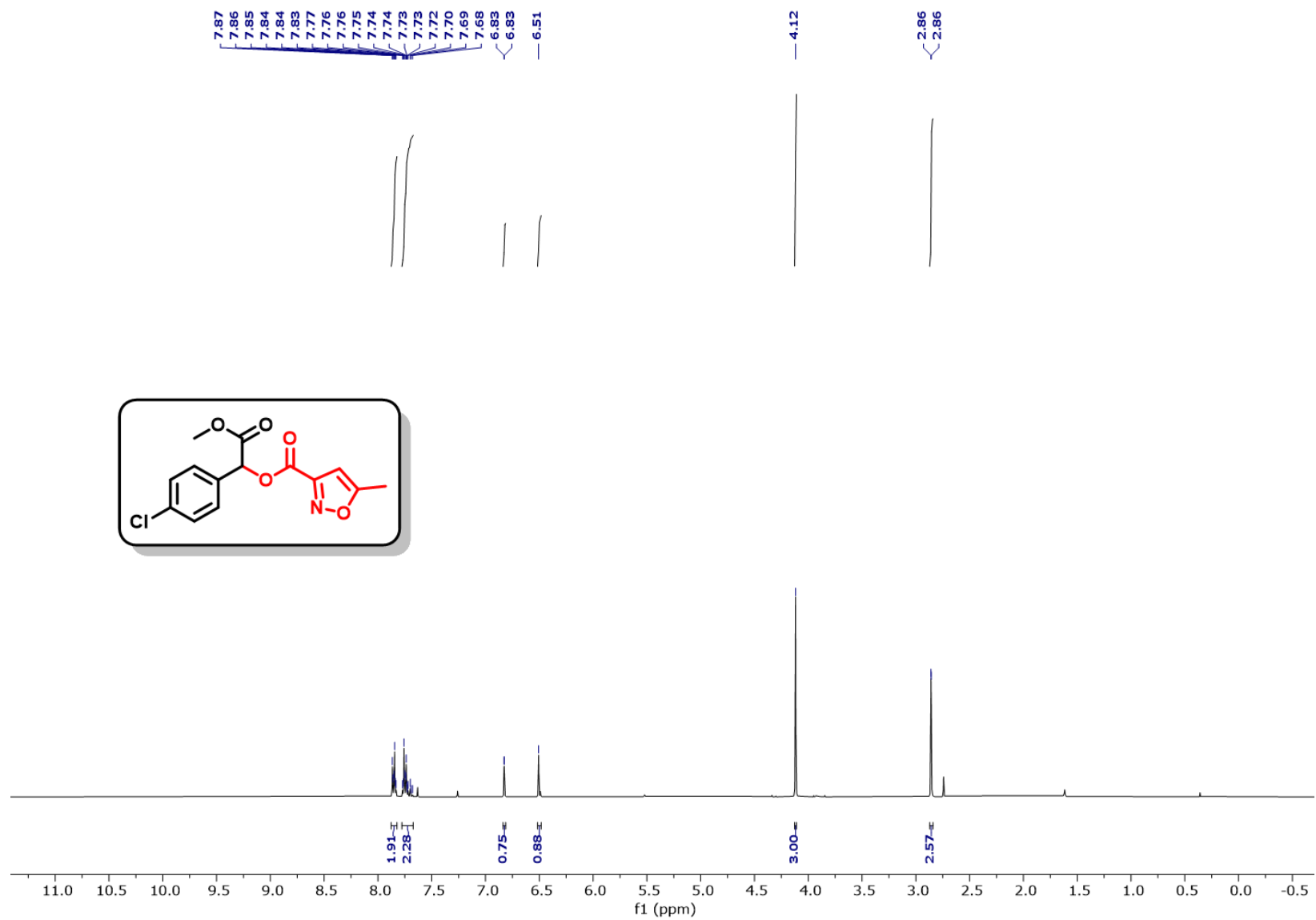


Fig. S94. ¹H NMR (400 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 5-methylisoxazole-3-carboxylate (**4m**).

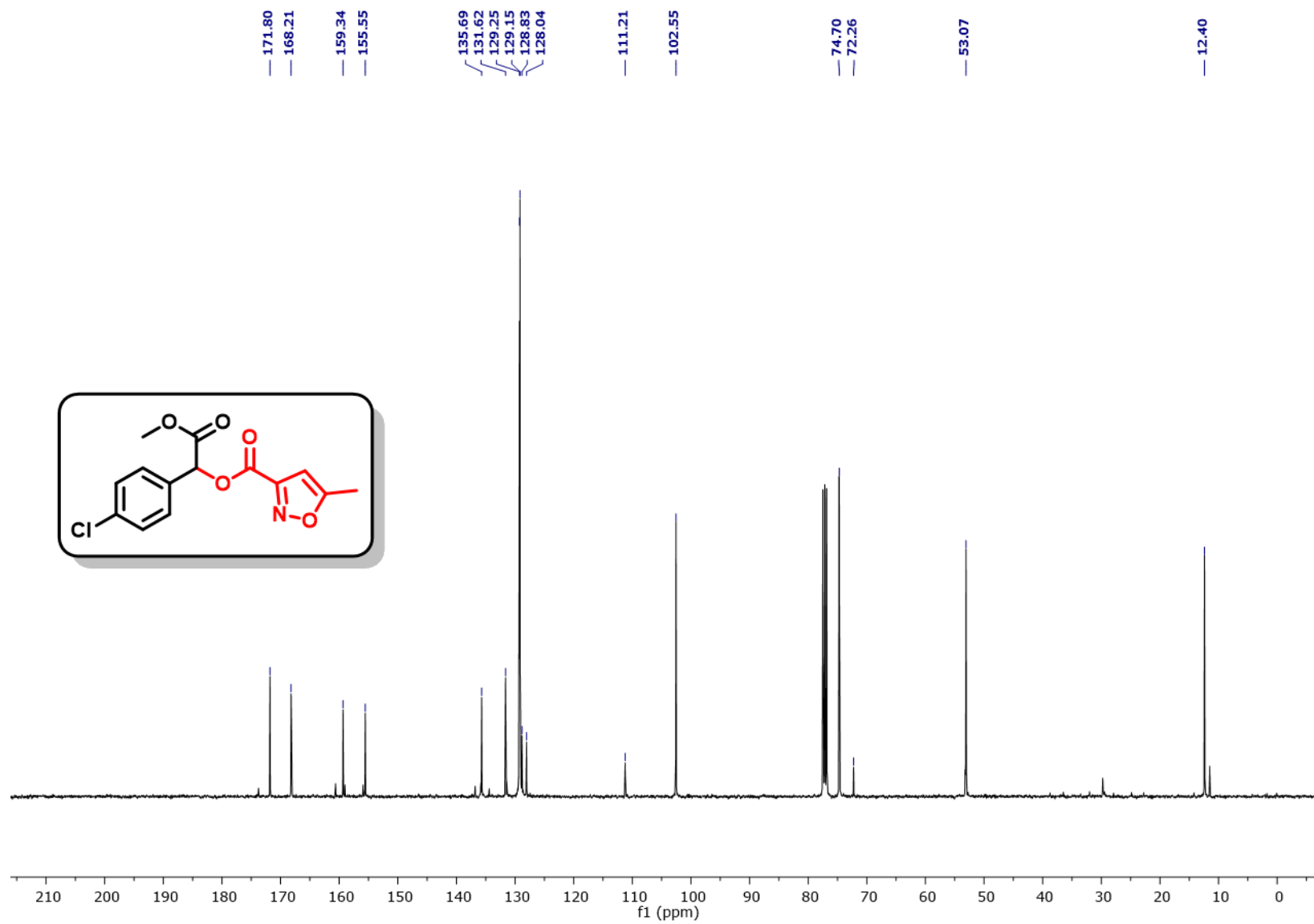


Fig. S95. ¹³C NMR (101 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 5-methylisoxazole-3-carboxylate (**4m**).

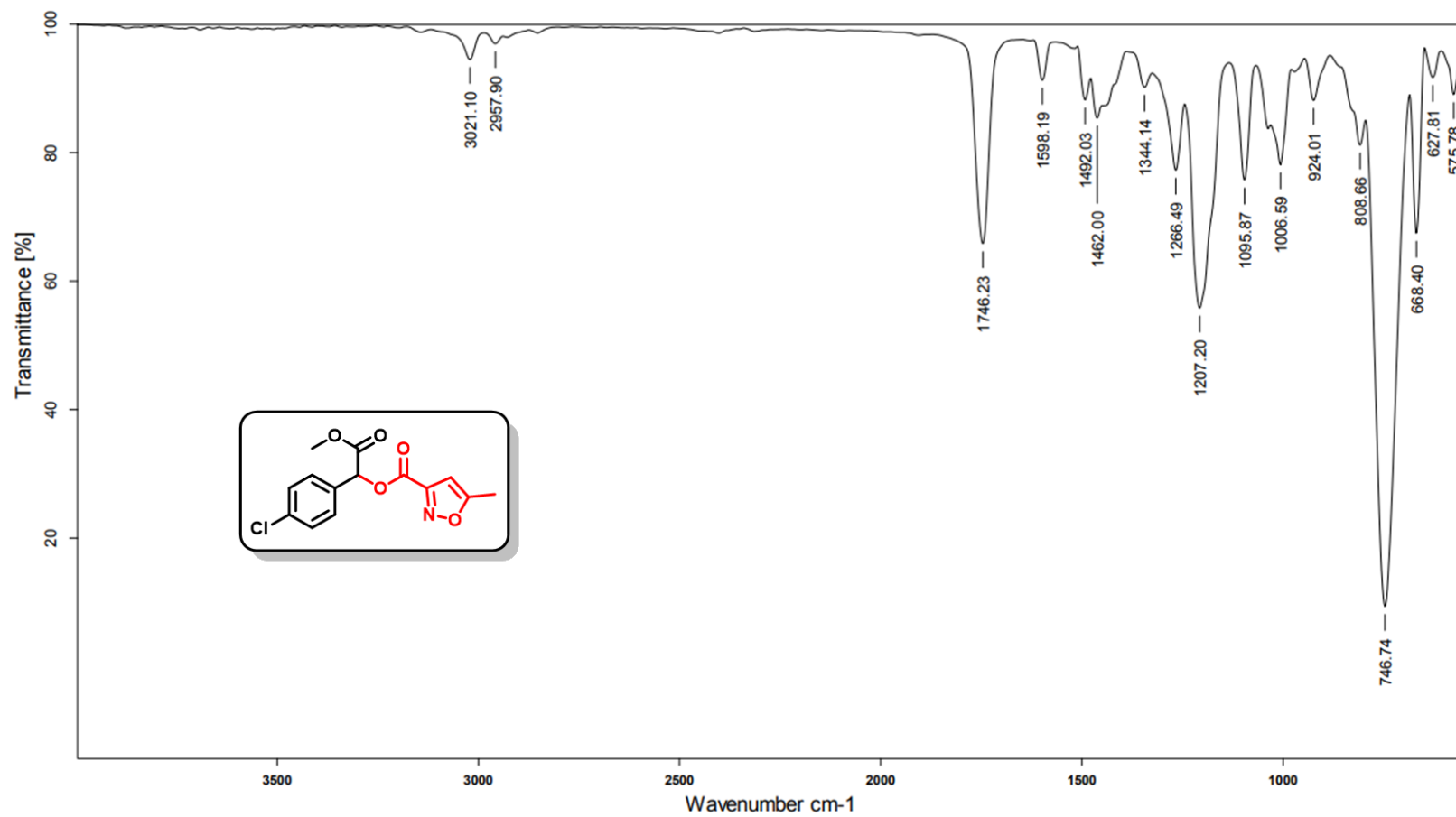


Fig. S96. IR spectra of spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 5-methylisoxazole-3-carboxylate (**4m**).

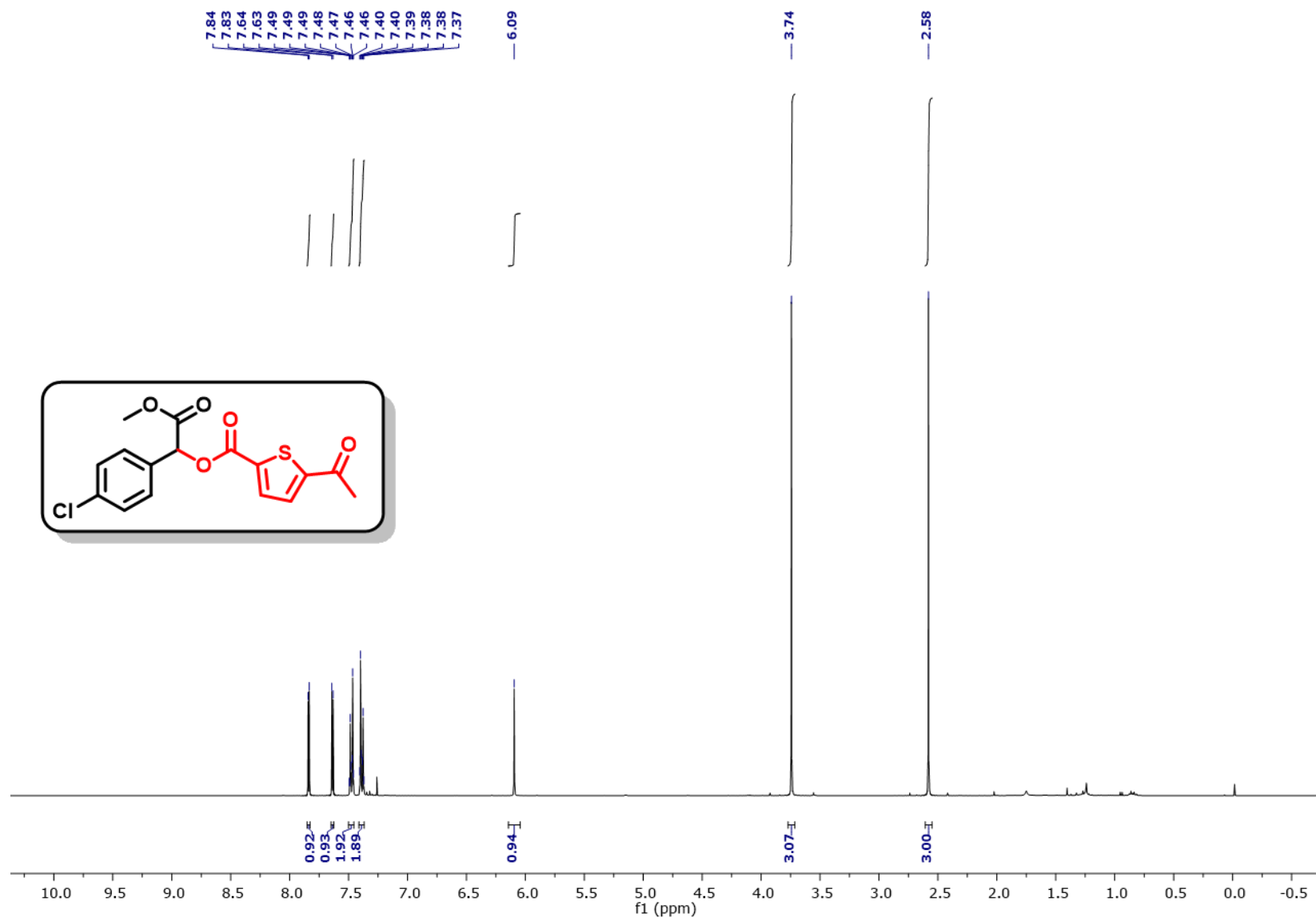


Fig. S97. ¹H NMR (400 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 5-acetylthiophene-2-carboxylate (**4n**).

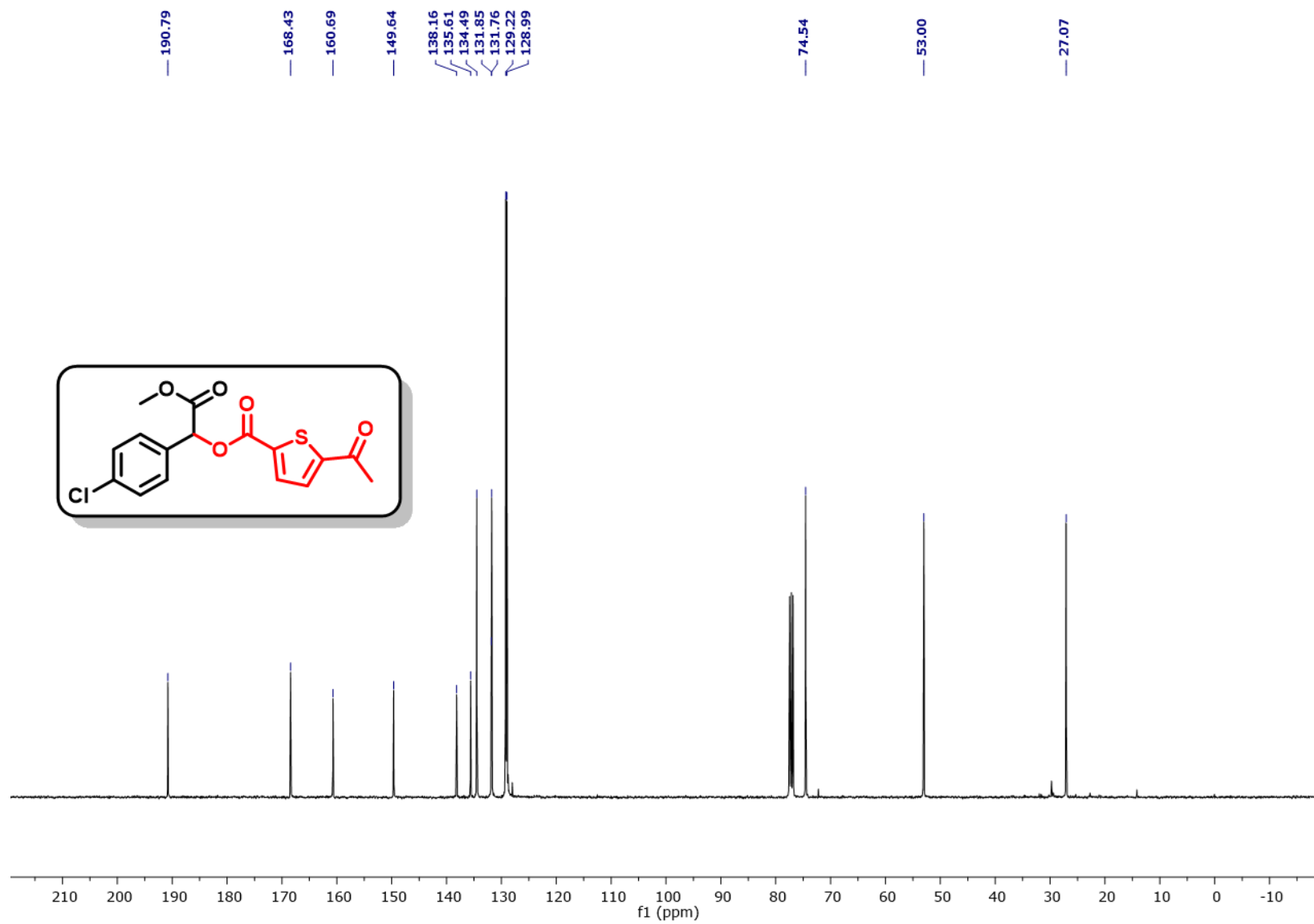


Fig. S98. ^{13}C NMR (101 MHz, CDCl_3) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 5-acetylthiophene-2-carboxylate (**4n**).

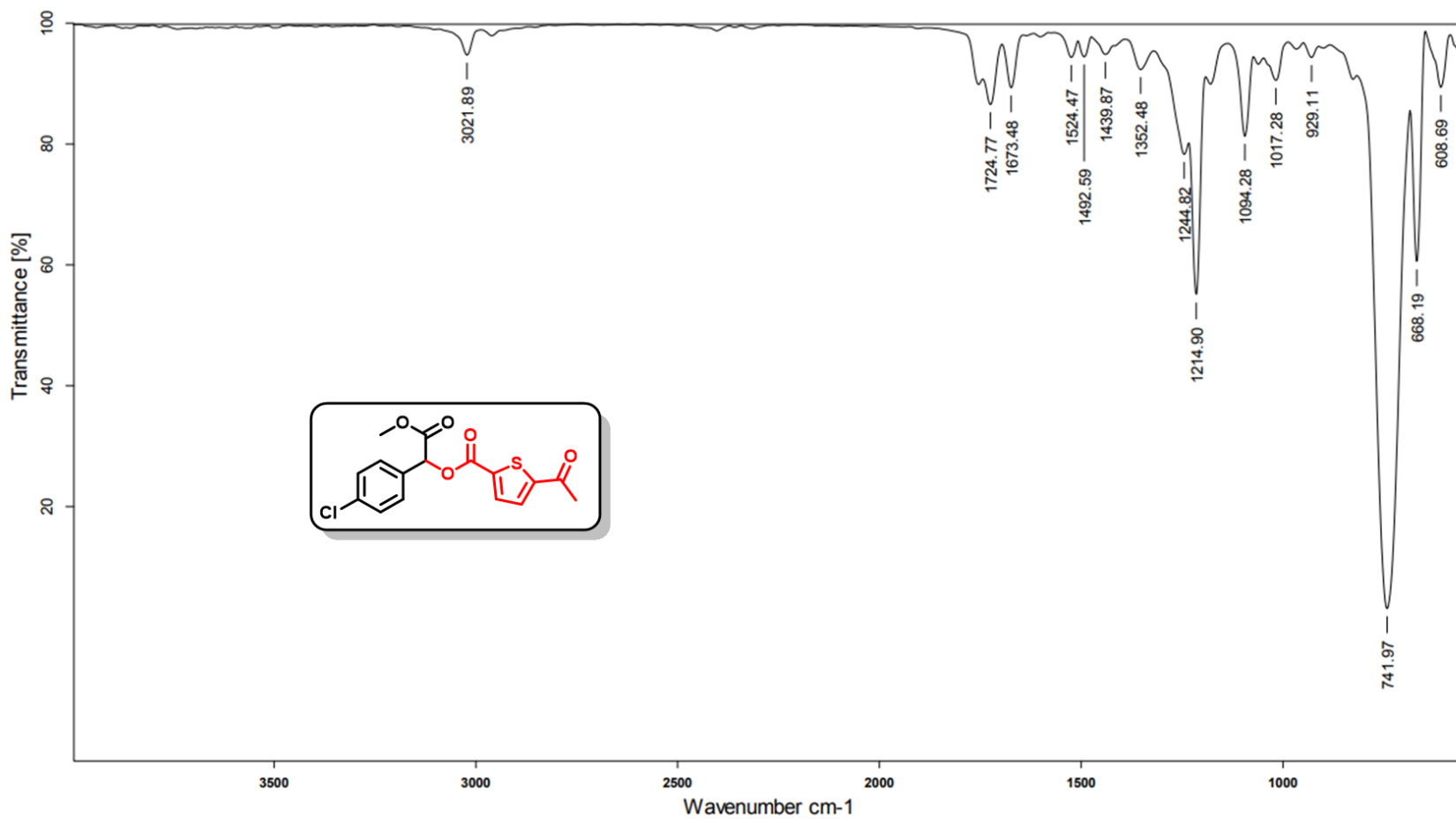


Fig. S99. IR spectra of spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 5-acetylthiophene-2-carboxylate (**4n**).

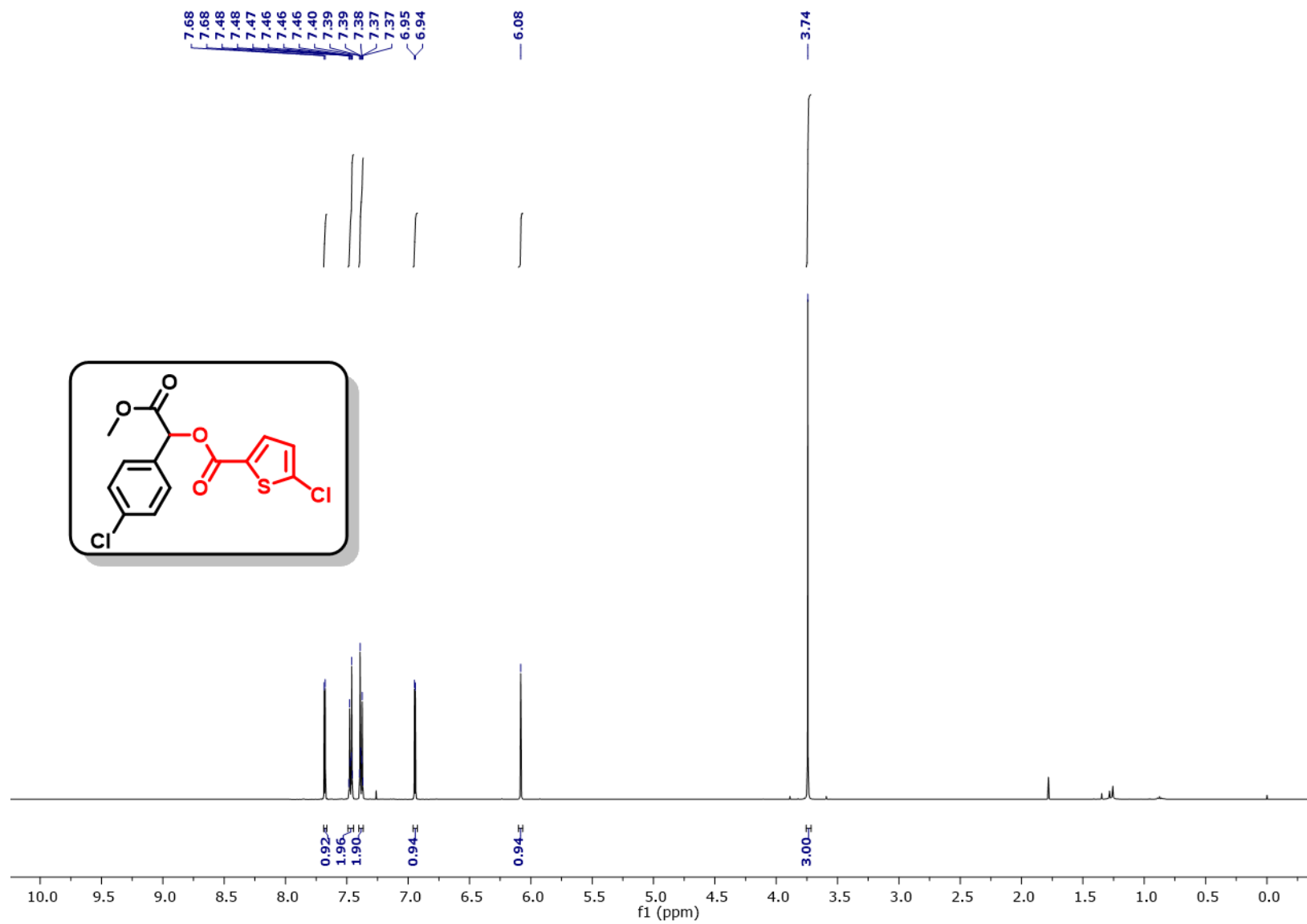


Fig. S100. ¹H NMR (500 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 5-chlorothiophene-2-carboxylate (**40**).

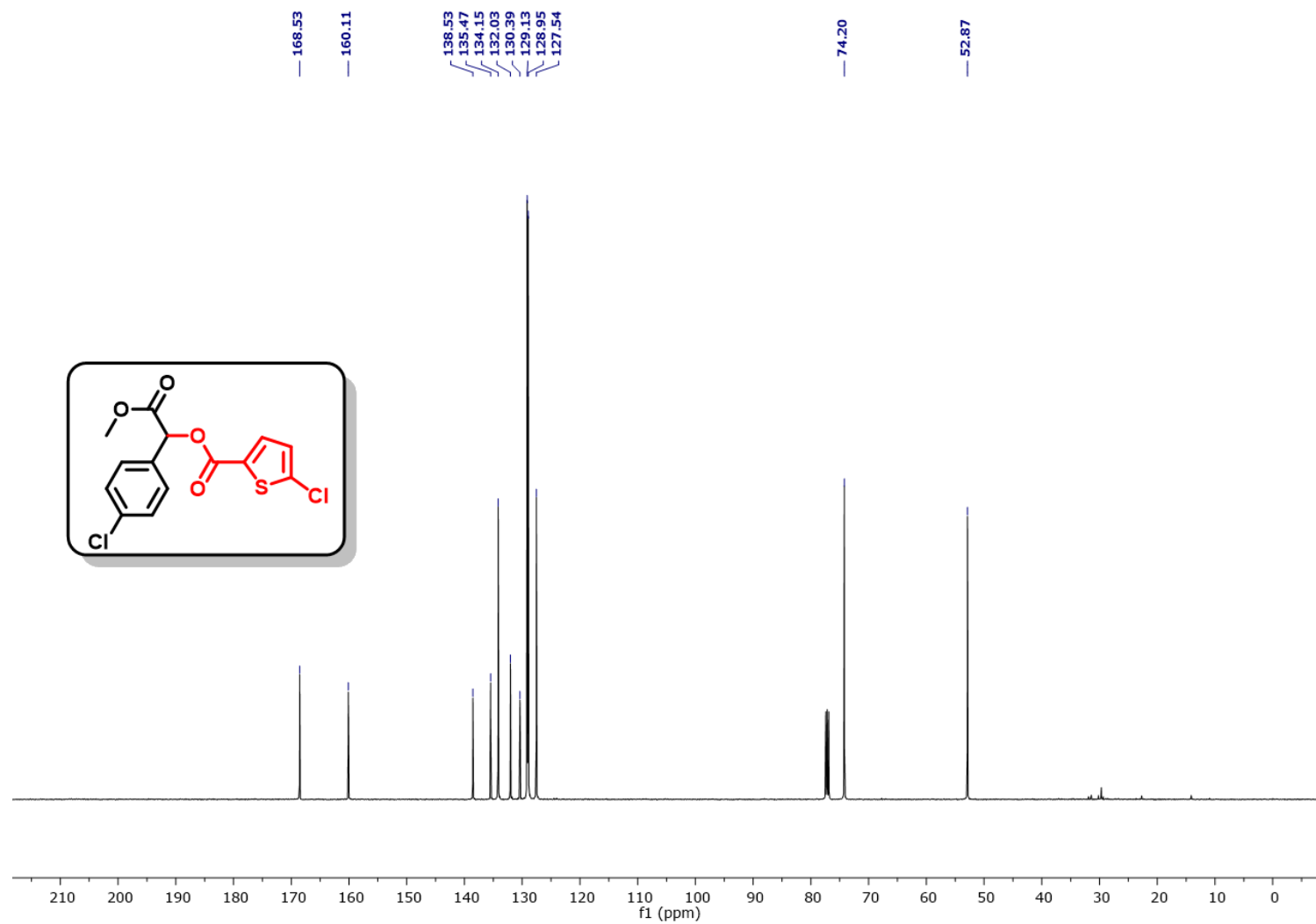


Fig. S101. ¹³C NMR (126 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 5-chlorothiophene-2-carboxylate (**4o**).

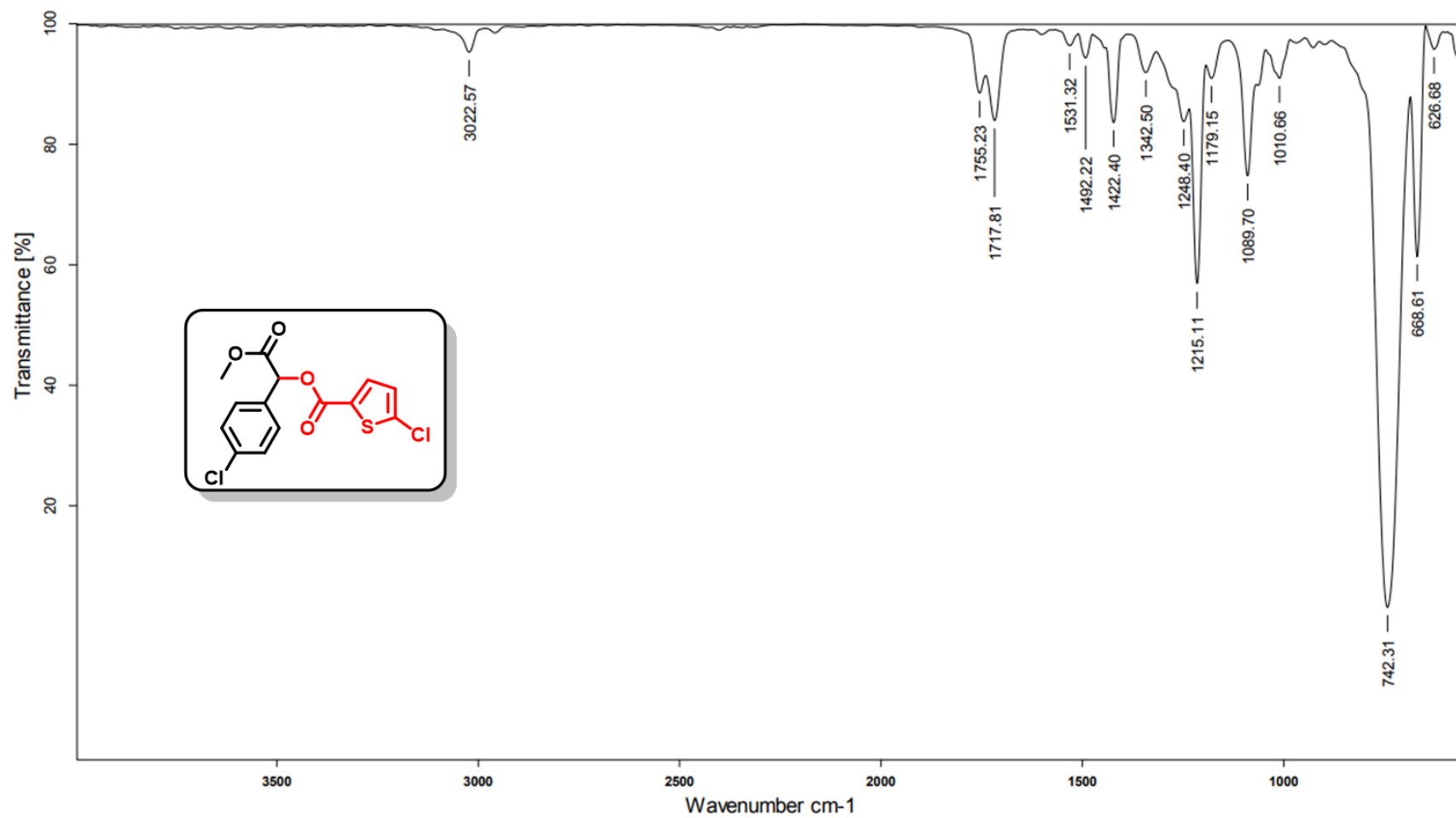


Fig. S102. IR spectra of spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl 5-chlorothiophene-2-carboxylate (**4o**).

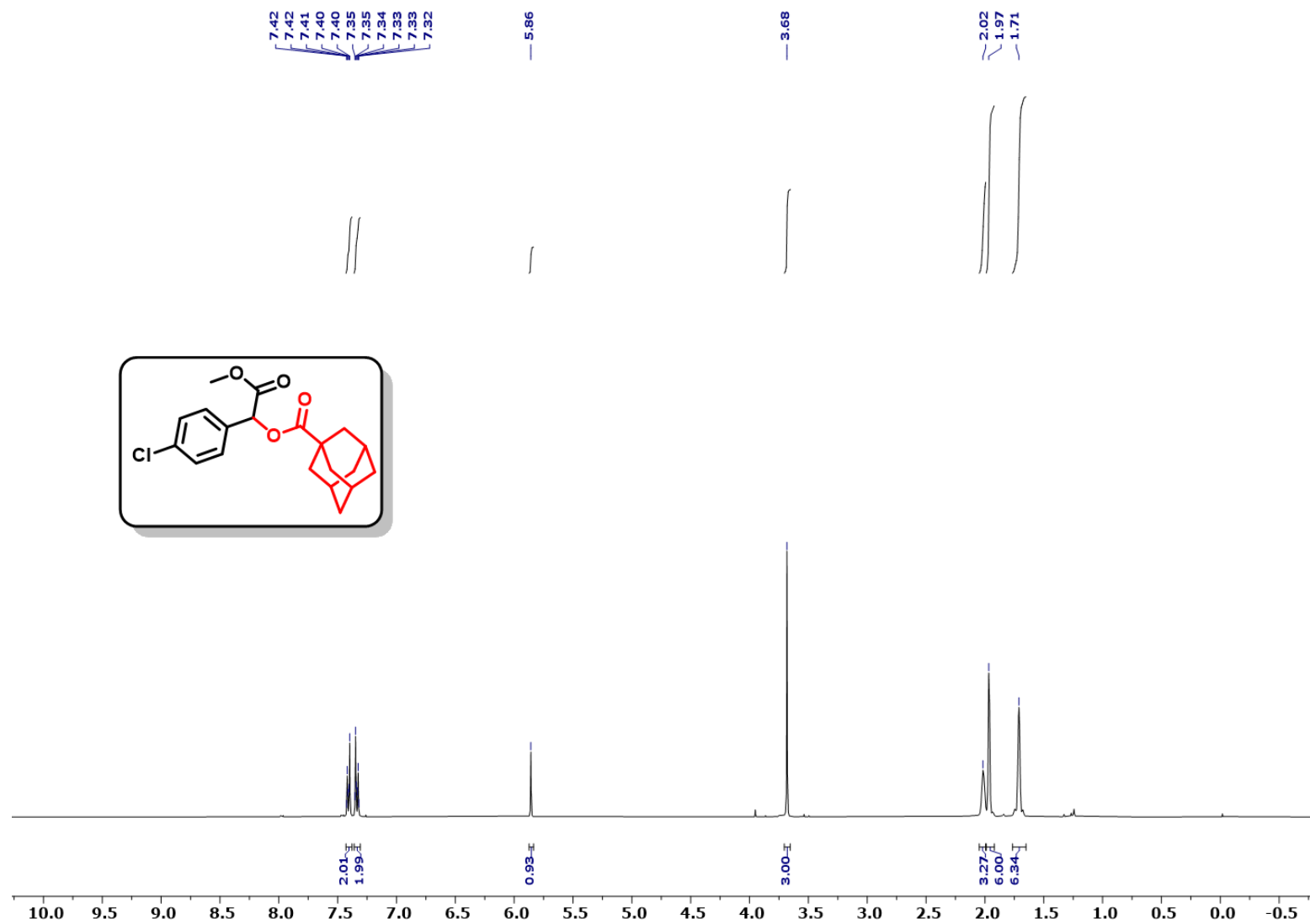


Fig. S103. ¹H NMR (400 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl (1s,3s)-adamantane-1-carboxylate (**4p**).

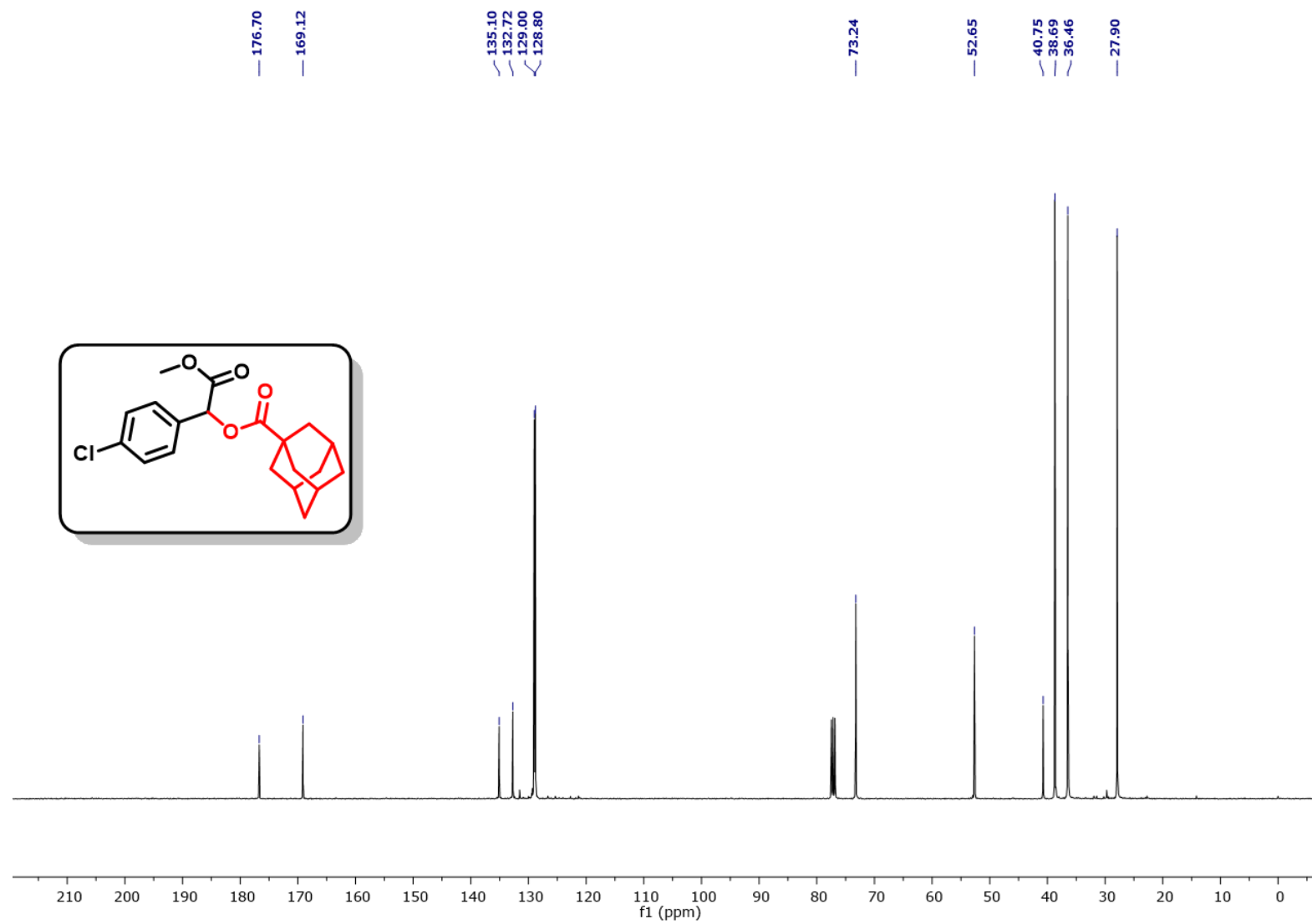


Fig. S104. ¹³C NMR (101 MHz, CDCl₃) spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl (1s,3s)-adamantane-1-carboxylate (**4p**).

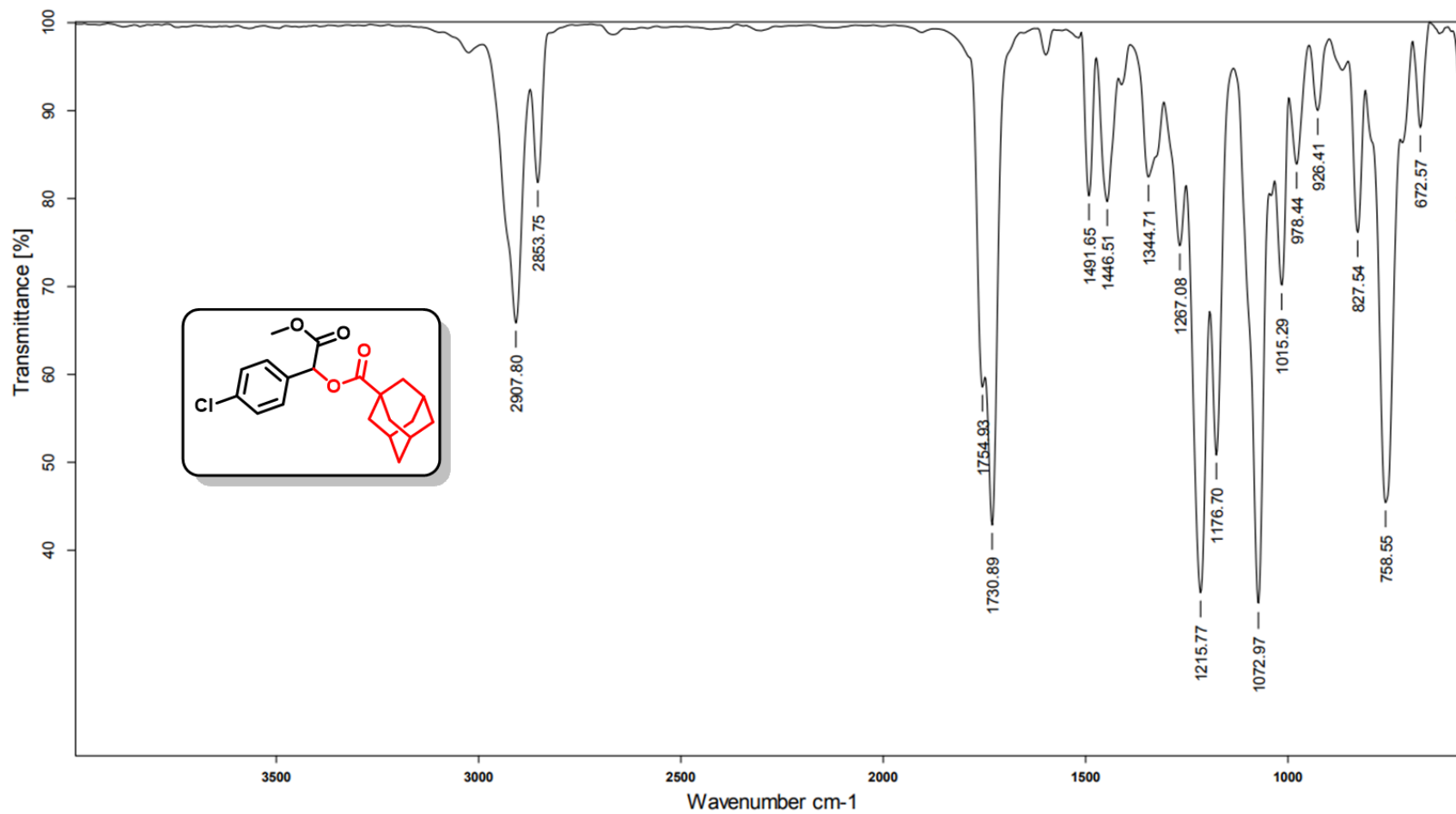


Fig. S105. IR spectra of spectra of 1-(4-chlorophenyl)-2-methoxy-2-oxoethyl (1s,3s)-adamantane-1-carboxylate (**4p**).

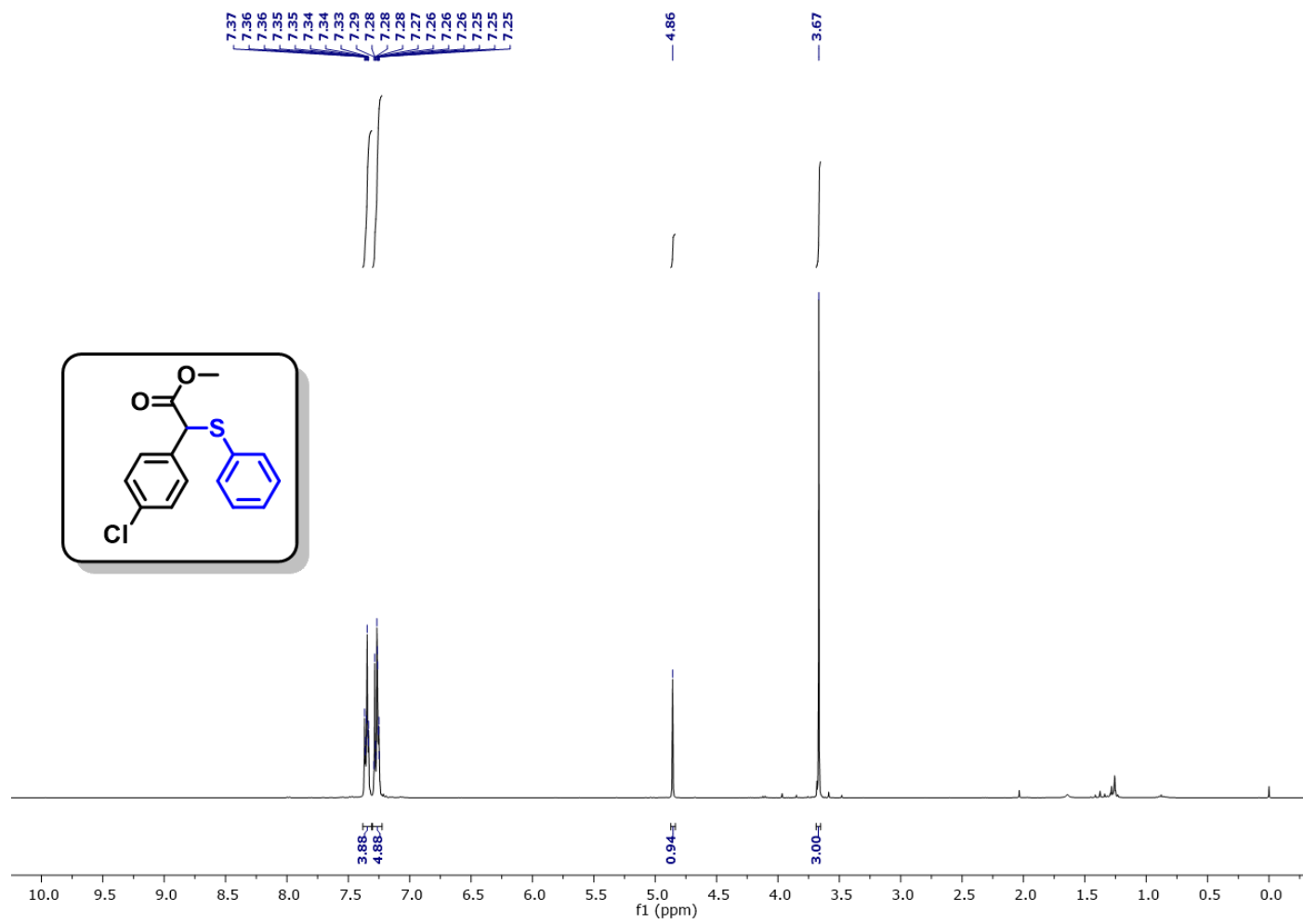


Fig. S106. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-chlorophenyl)-2-(phenylthio)acetate (**6a**).

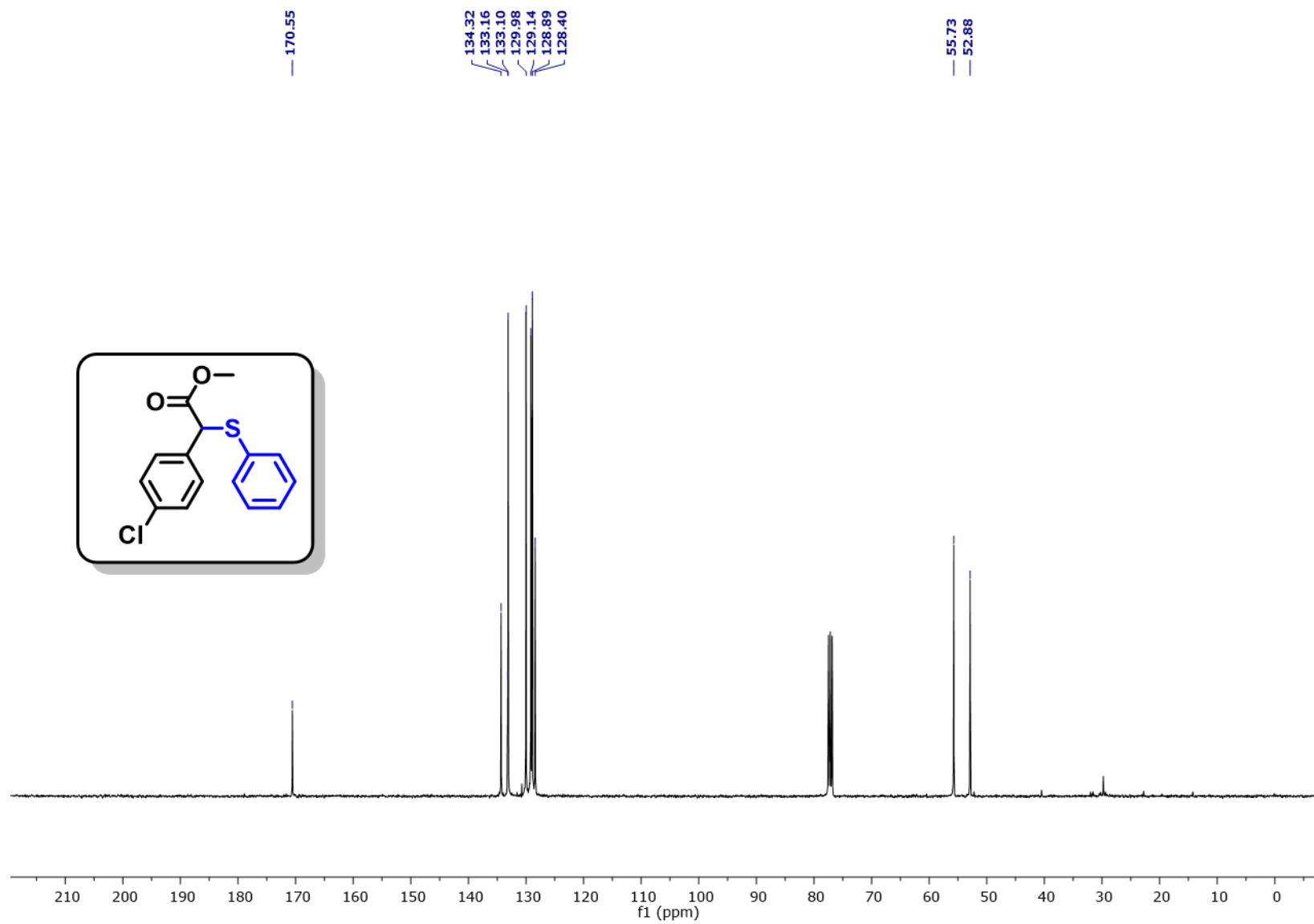


Fig. S107. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 2-(4-chlorophenyl)-2-(phenylthio)acetate (**6a**).

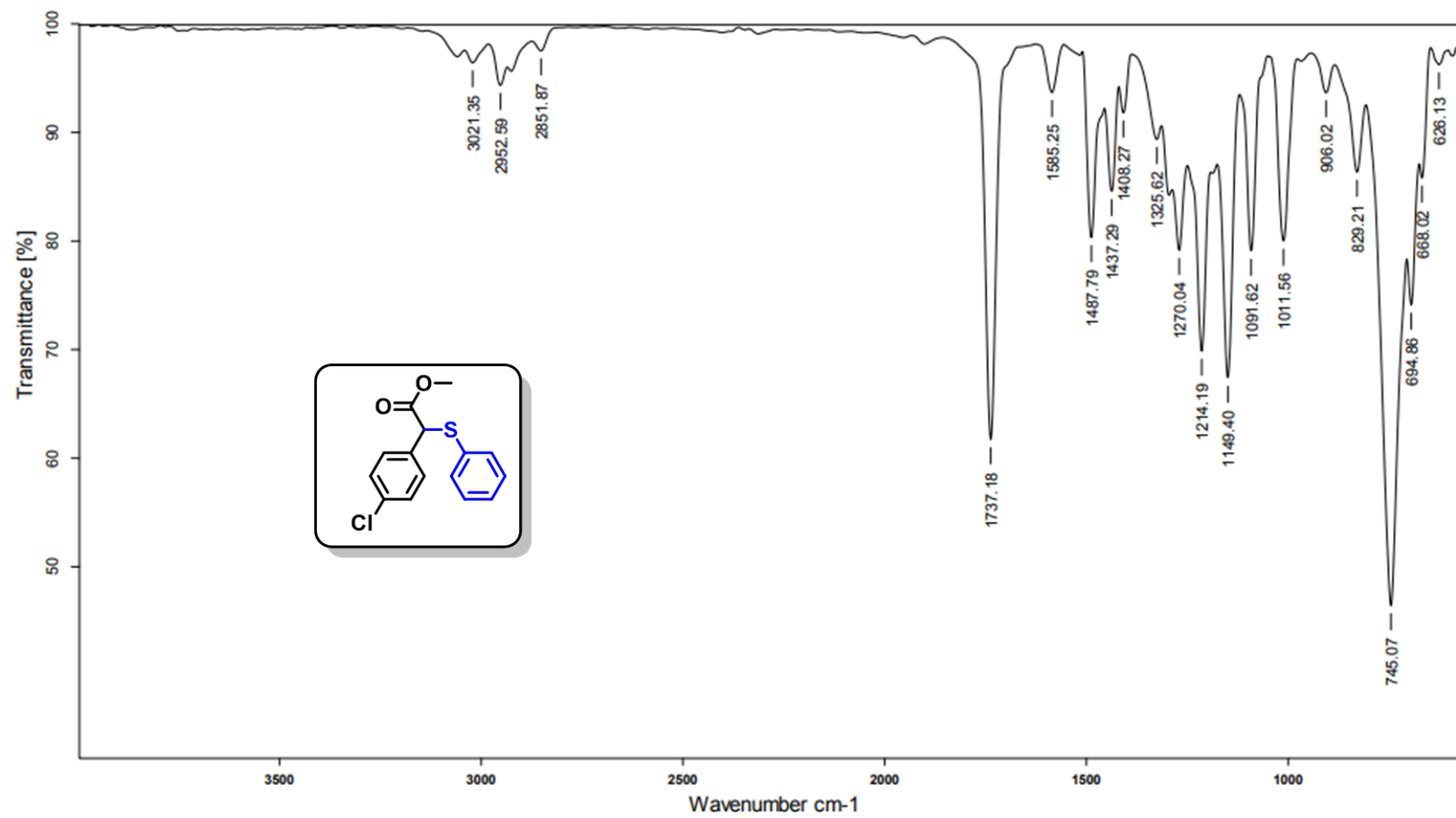


Fig. S108. IR spectra of spectra of methyl 2-(4-chlorophenyl)-2-(phenylthio)acetate (**6a**).

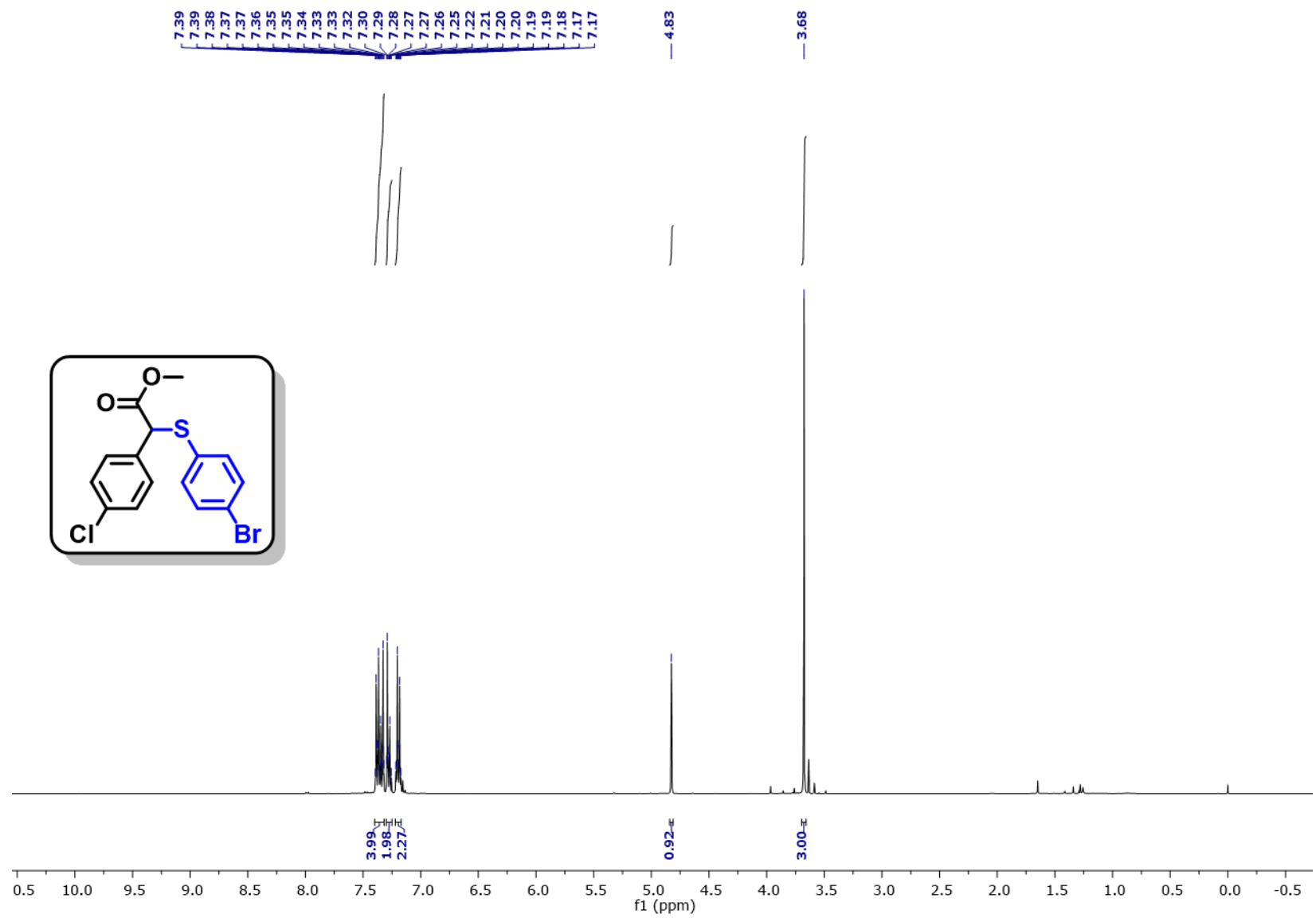


Fig. S109. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-((4-bromophenyl)thio)-2-(4-chlorophenyl)acetate (**6b**).

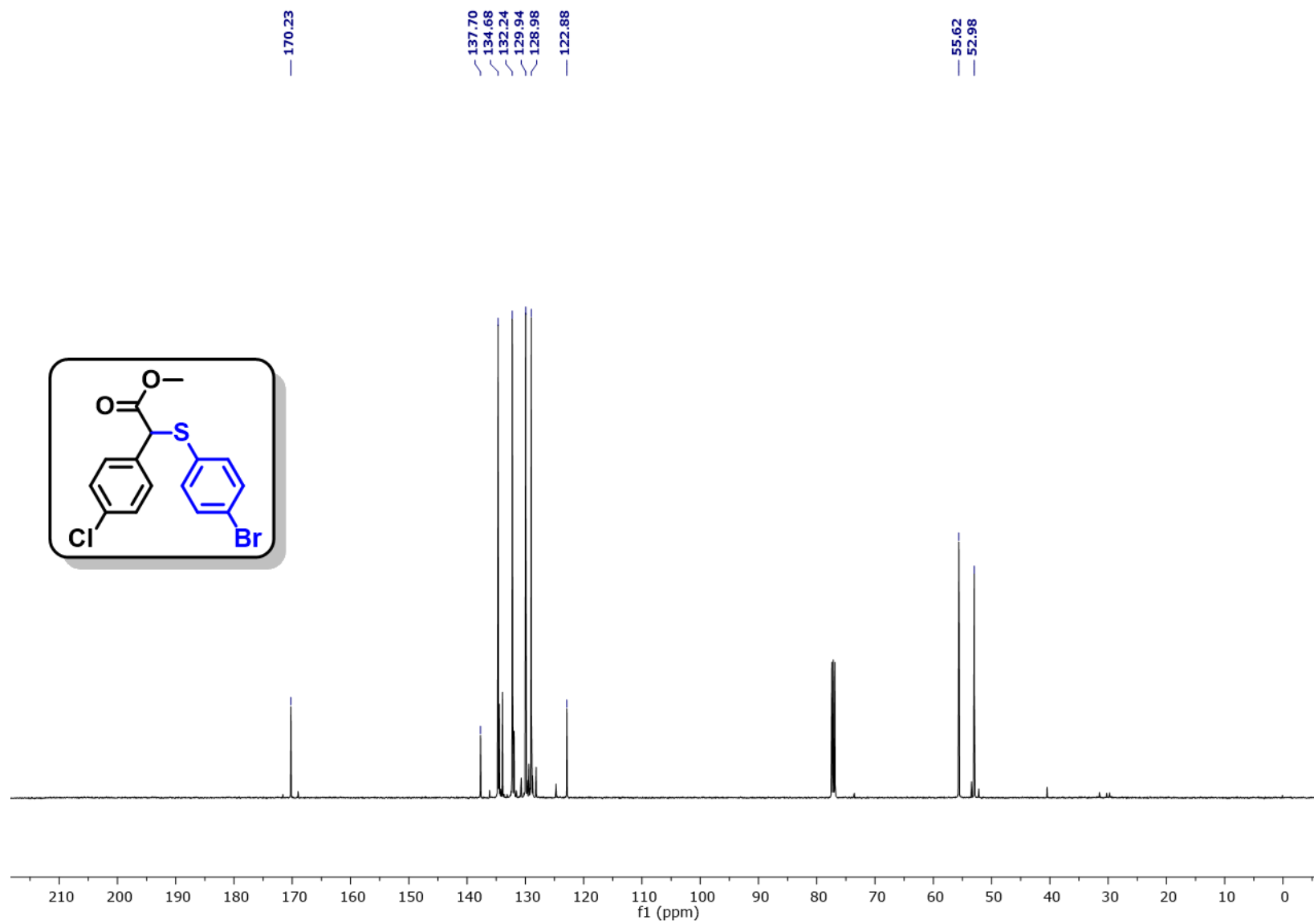


Fig. S110. ¹³C NMR (126 MHz, CDCl₃) spectra of methyl 2-((4-bromophenyl)thio)-2-(4-chlorophenyl)acetate (**6b**).

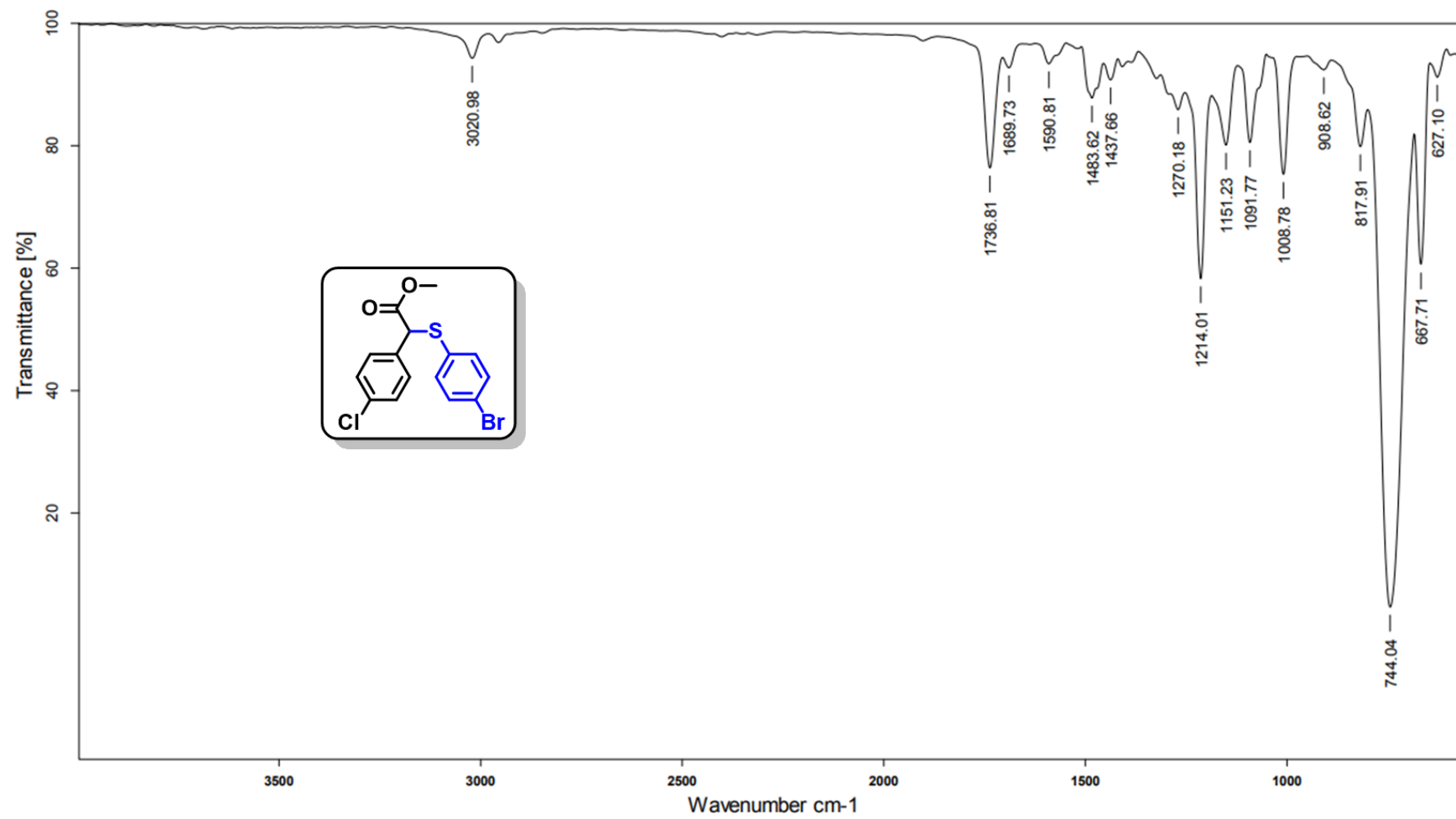


Fig. S111. IR spectra of spectra of methyl 2-((4-bromophenyl)thio)-2-(4-chlorophenyl)acetate (**6b**).

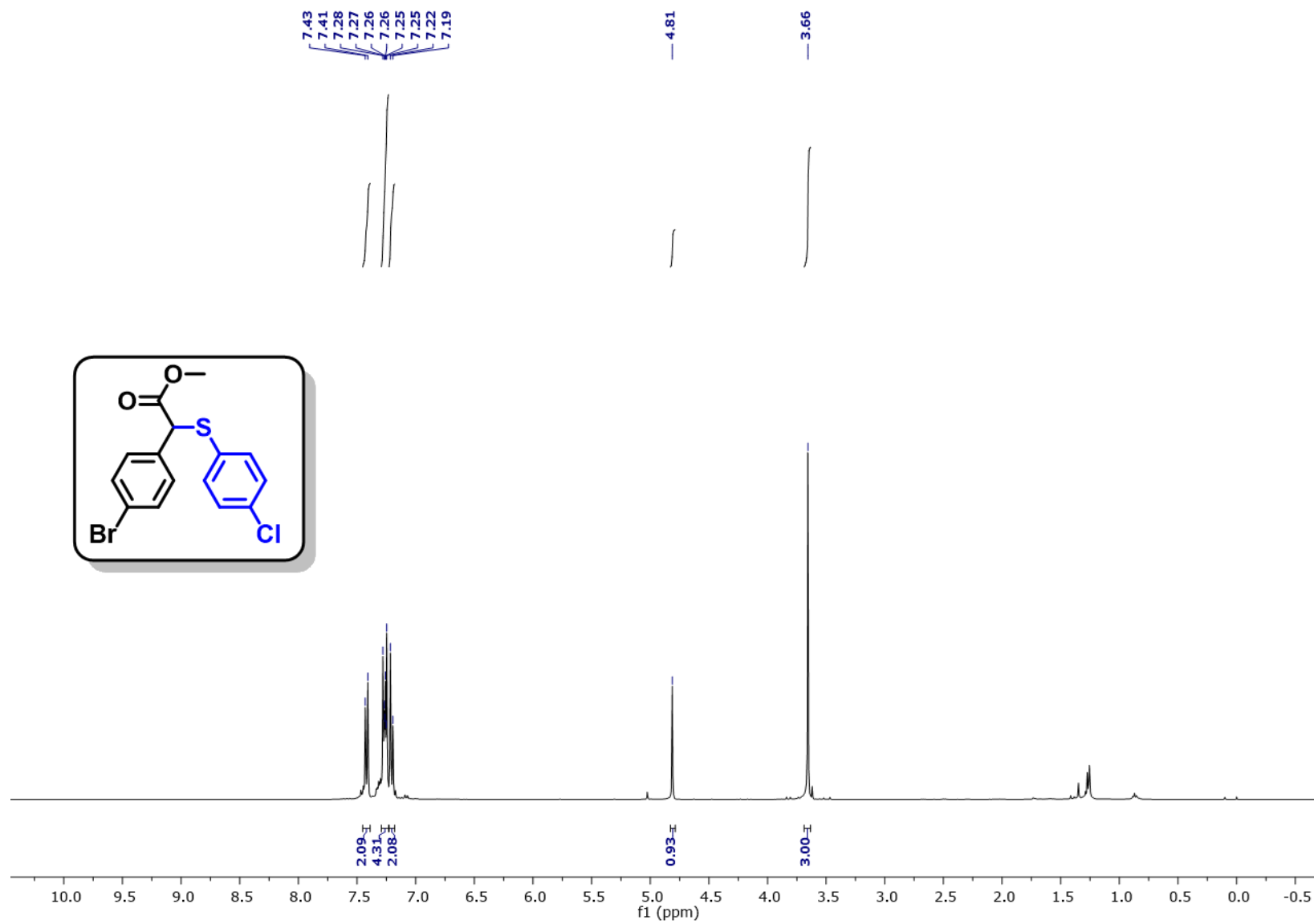


Fig. S112. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-bromophenyl)-2-((4-chlorophenyl)thio)acetate (**6c**).

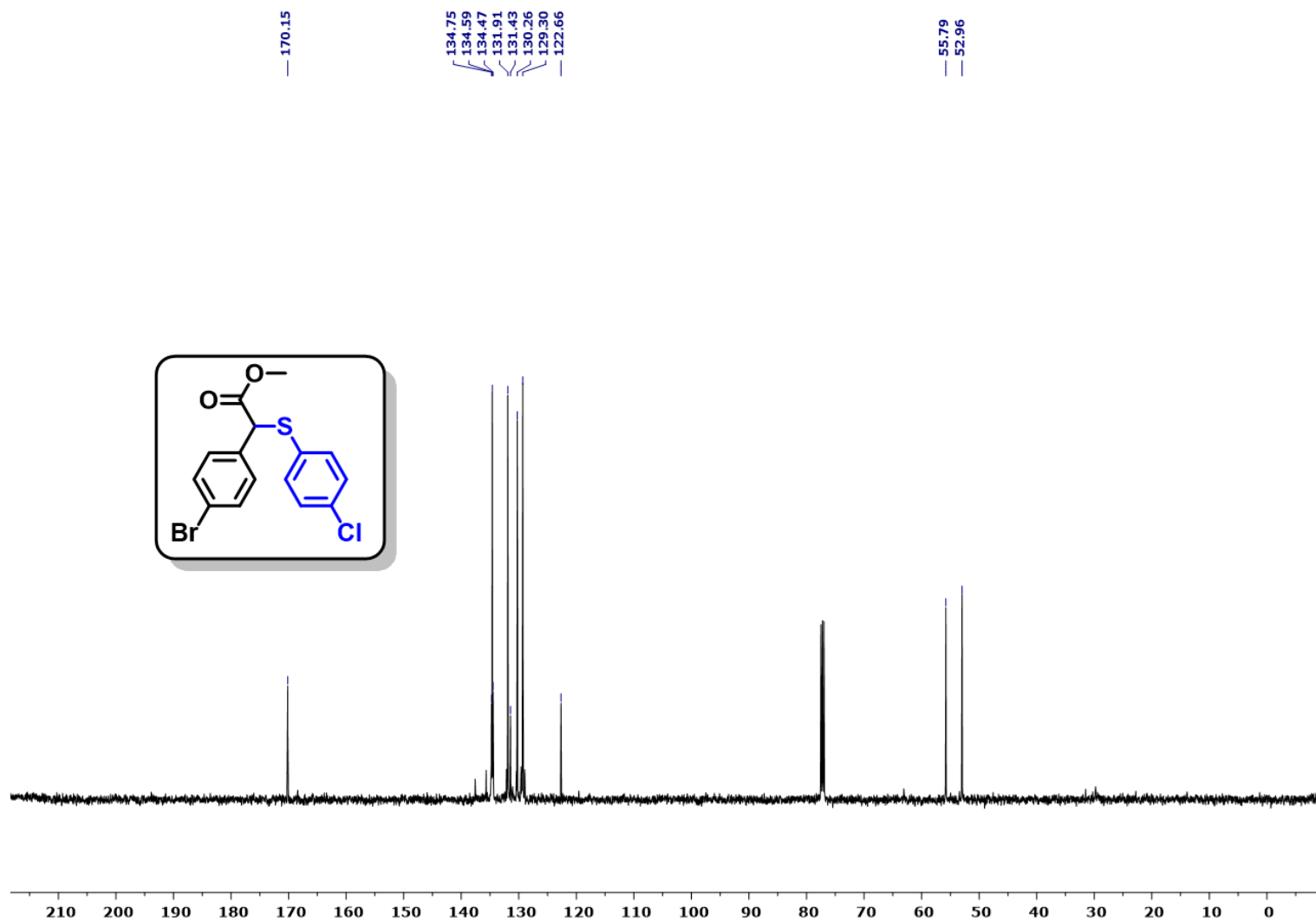


Fig. S113. ¹³C NMR (126 MHz, CDCl₃) spectra of methyl 2-(4-bromophenyl)-2-((4-chlorophenyl)thio)acetate (**6c**).

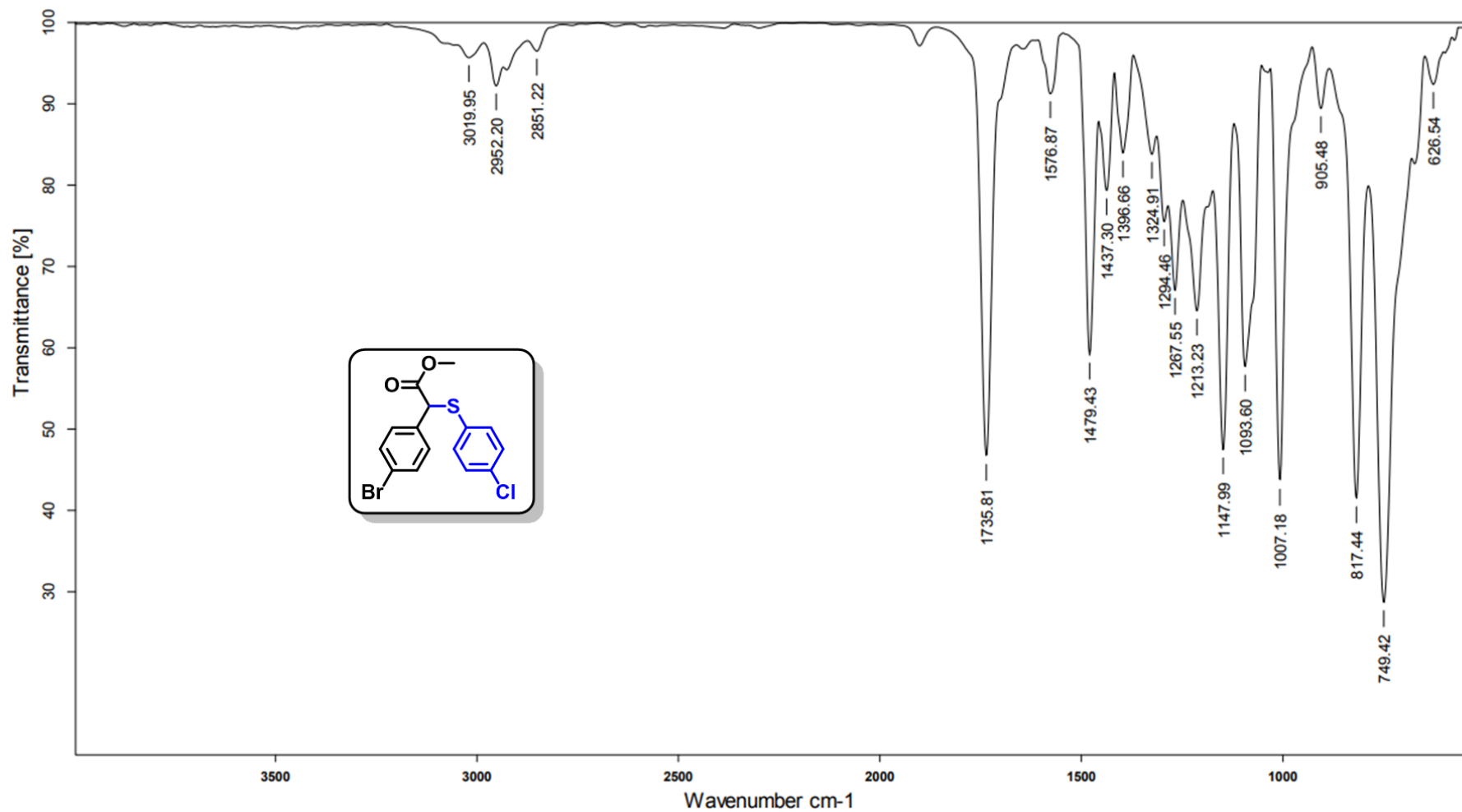


Fig. S114. IR spectra of spectra of methyl 2-(4-bromophenyl)-2-((4-chlorophenyl)thio)acetate (**6c**).

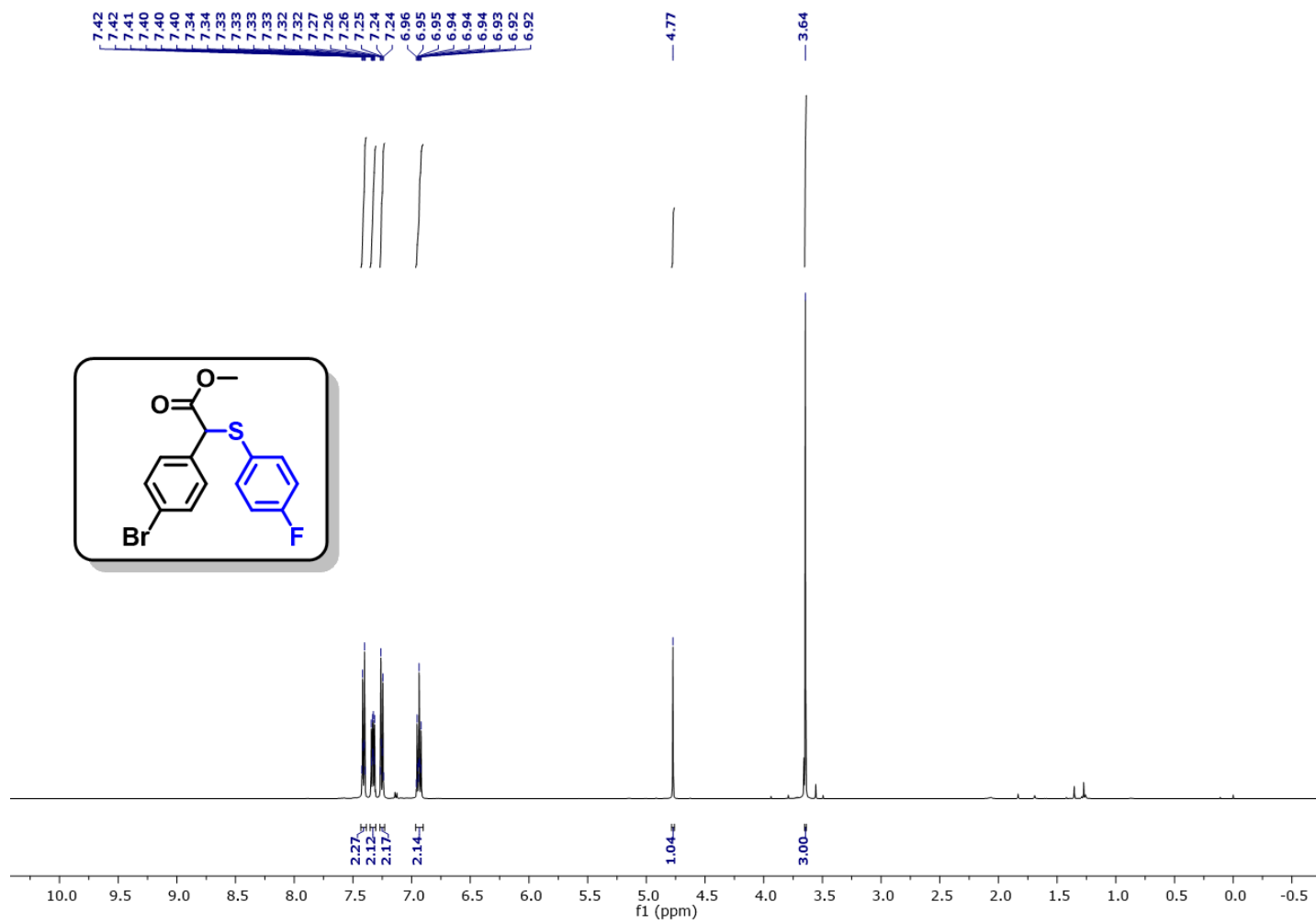


Fig. S115. ¹H NMR (500 MHz, CDCl₃) spectra of methyl 2-(4-bromophenyl)-2-((4-fluorophenyl)thio)acetate (**6d**).

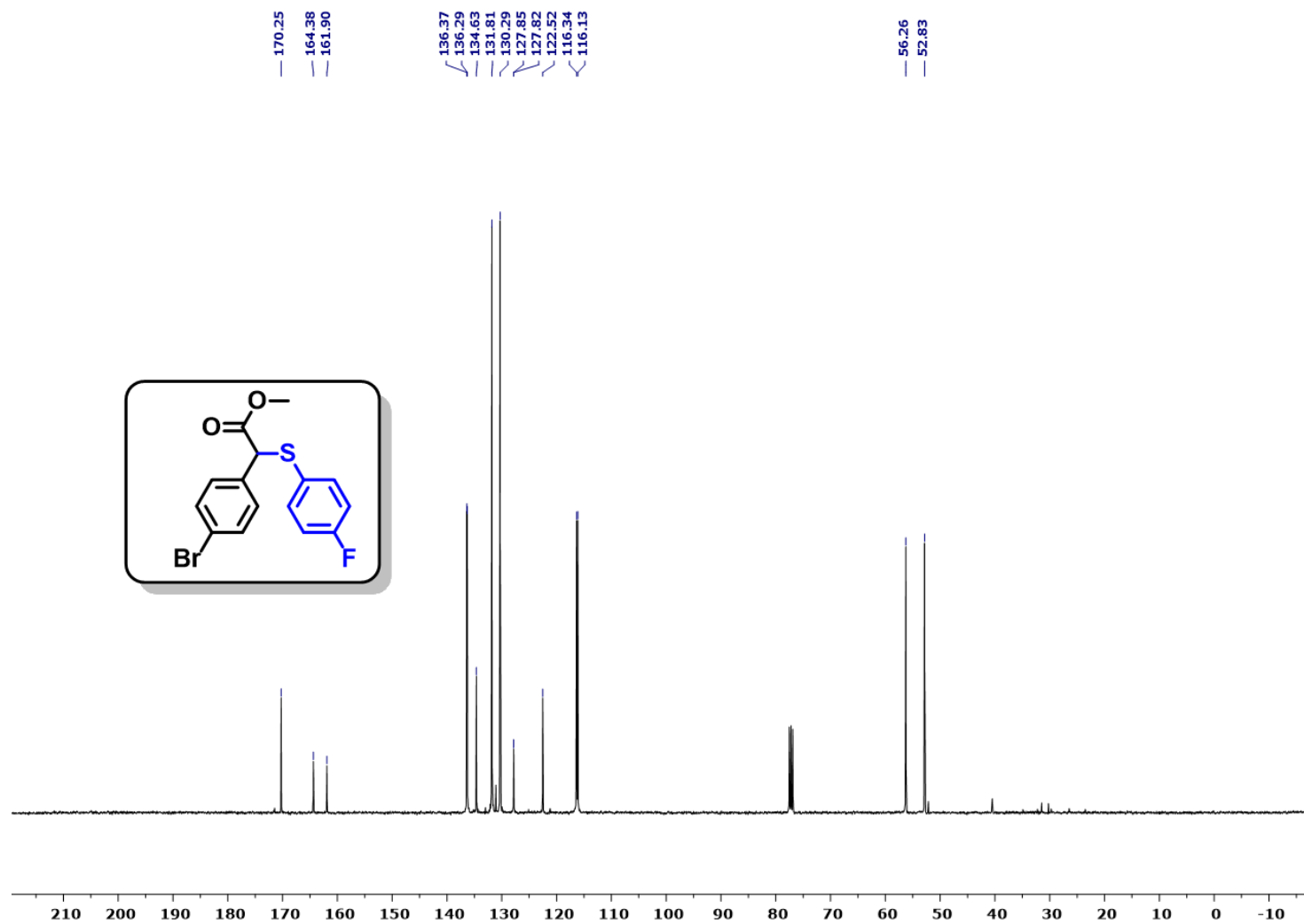


Fig. S116. ^{13}C NMR (101 MHz, CDCl₃) spectra of methyl 2-(4-bromophenyl)-2-((4-fluorophenyl)thio)acetate (**6d**).

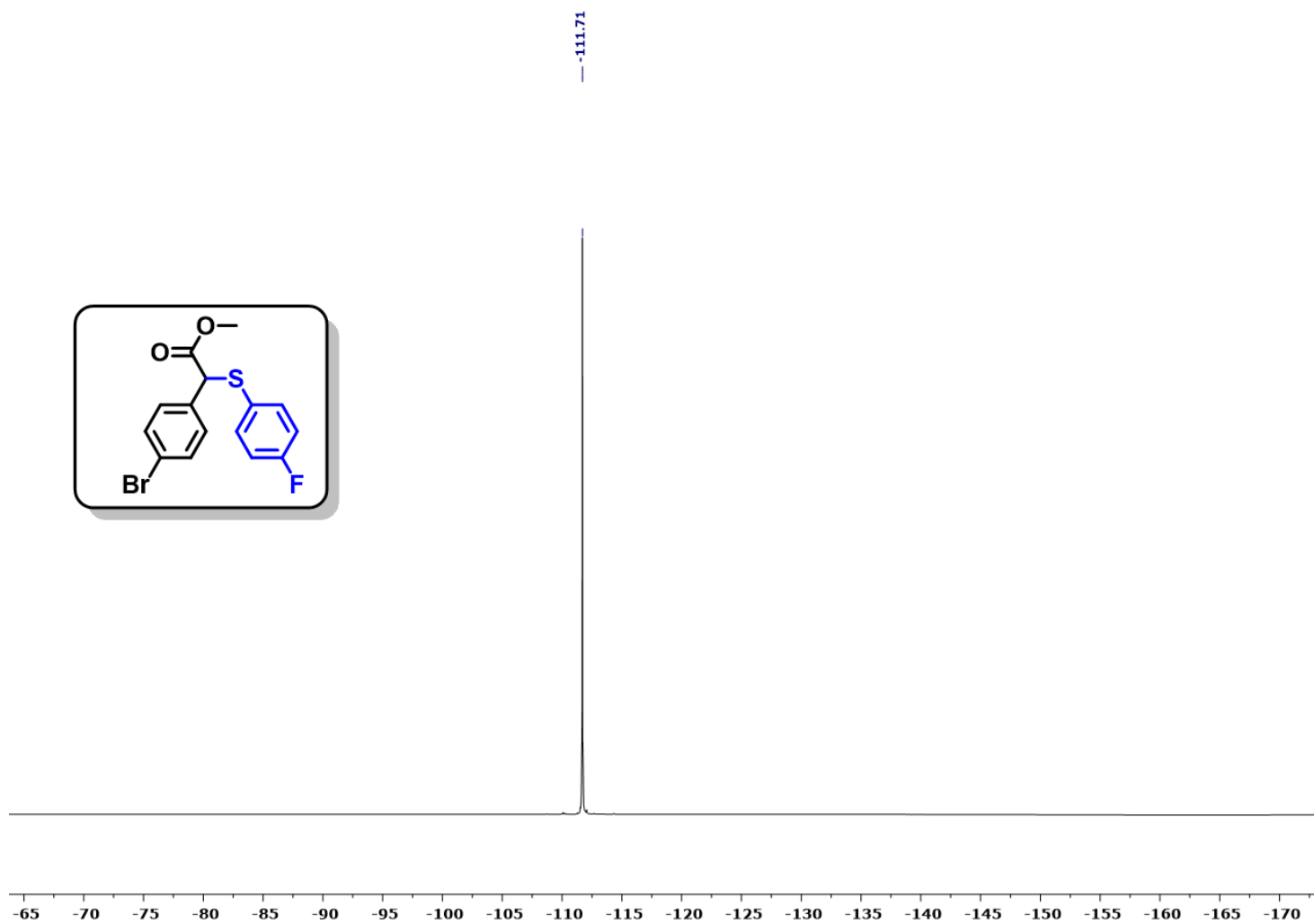


Fig. S117. ^{19}F NMR (471 MHz, CDCl_3) spectra of methyl 2-(4-bromophenyl)-2-((4-fluorophenyl)thio)acetate (**6d**).

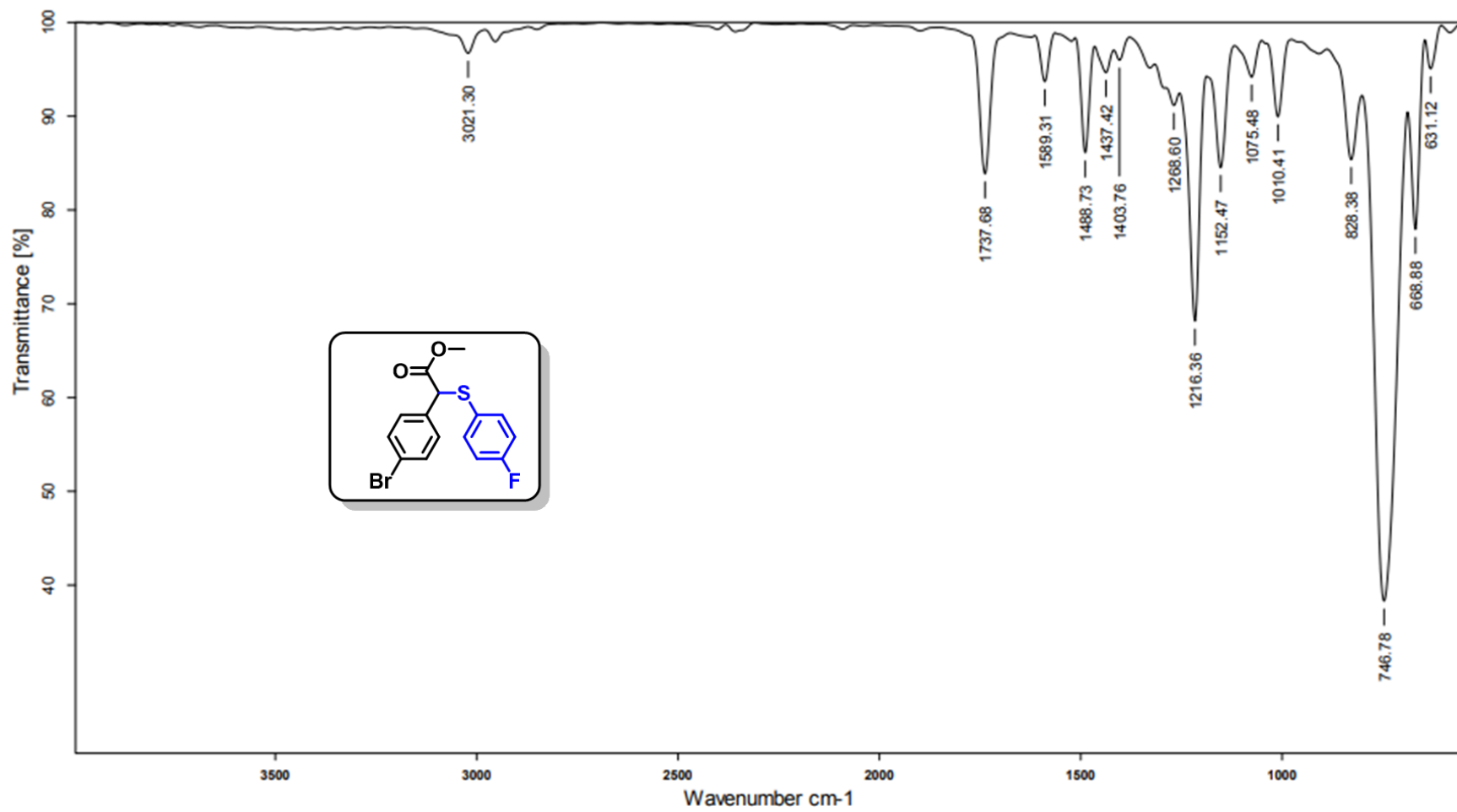


Fig. S118. IR spectra of spectra of methyl 2-(4-bromophenyl)-2-((4-fluorophenyl)thio)acetate (**6d**).

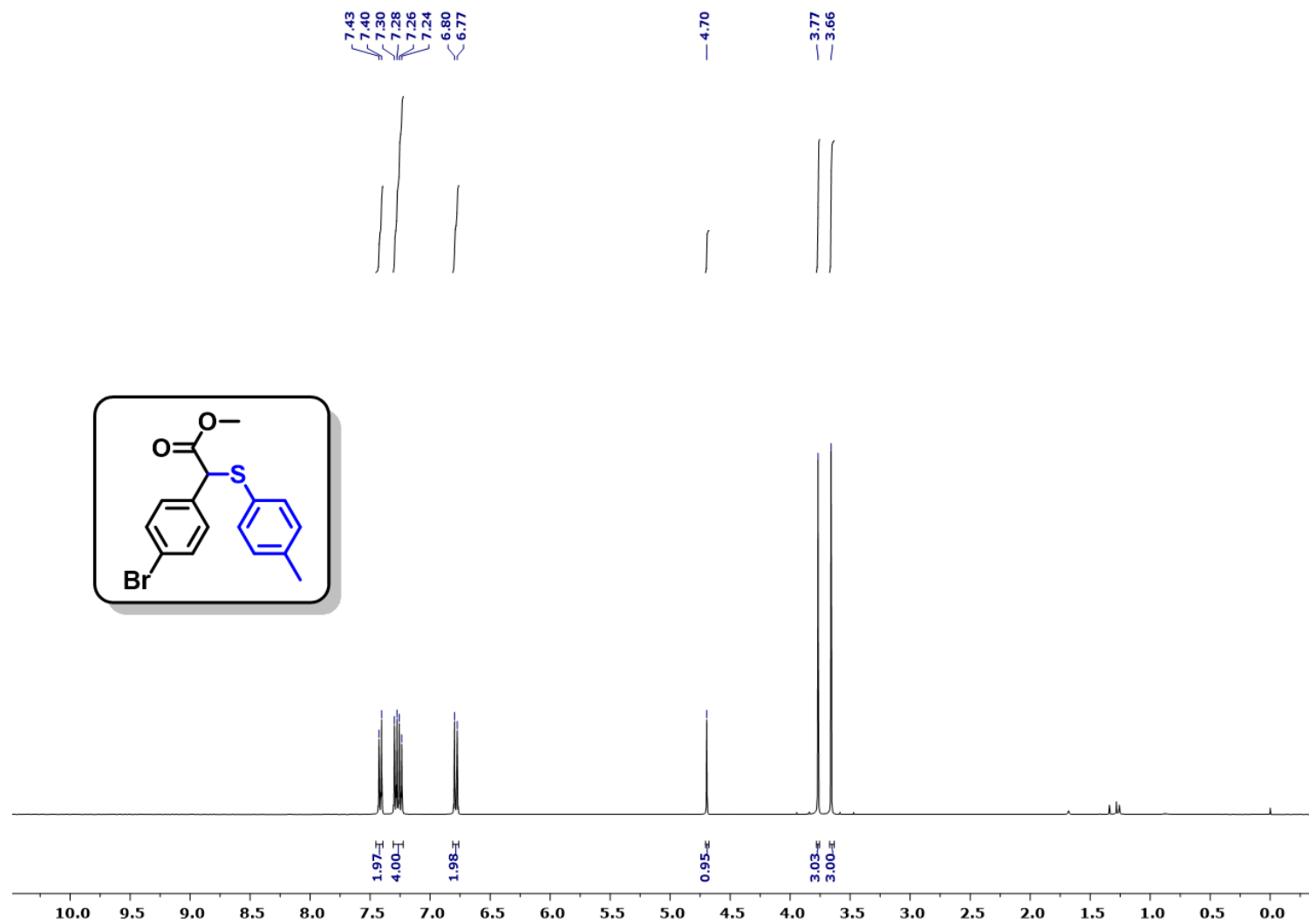


Fig. S119. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-bromophenyl)-2-(p-tolylthio)acetate (**6e**).

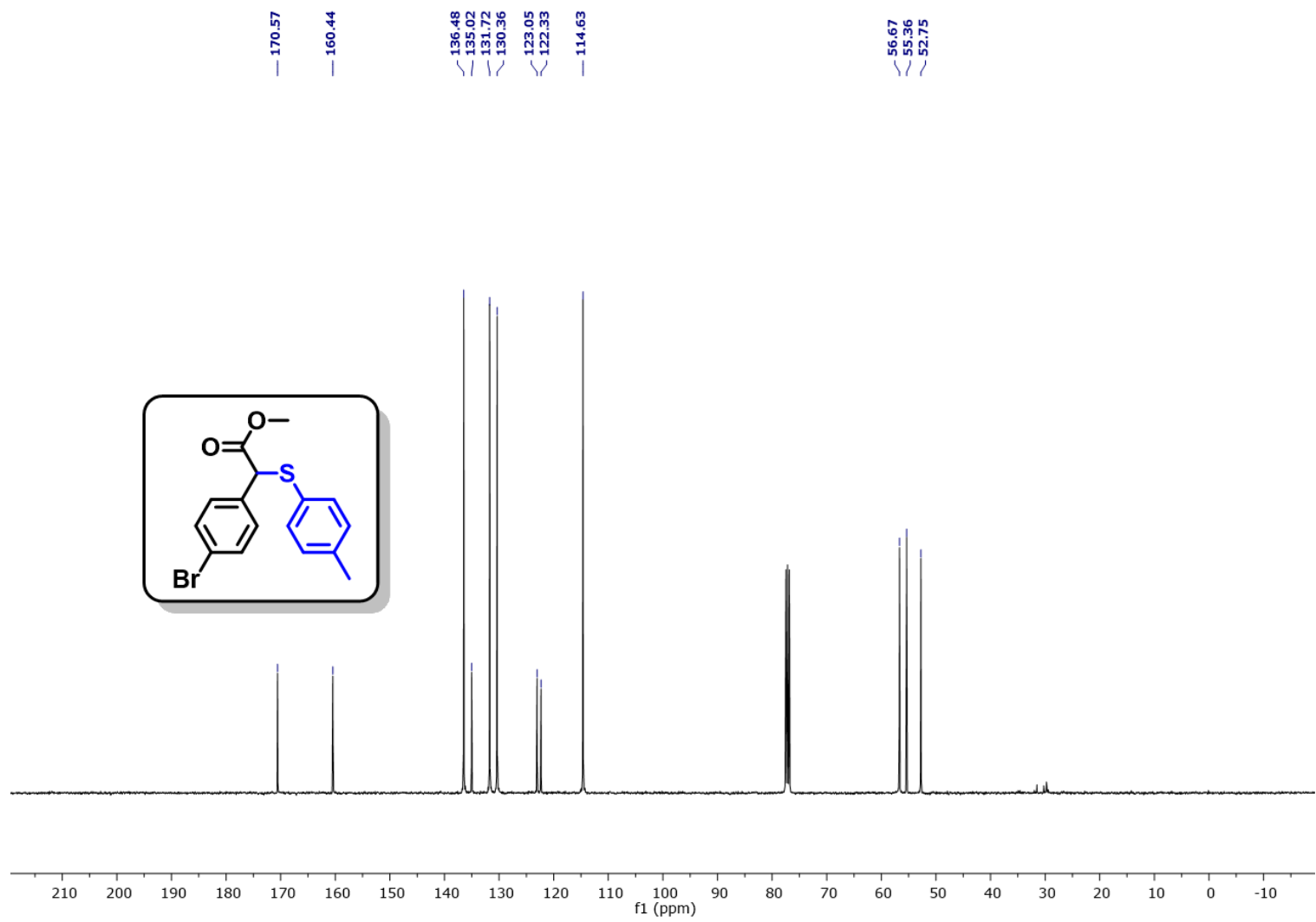


Fig. S120. ¹³C NMR (101 MHz, CDCl₃) spectra of methyl 2-(4-bromophenyl)-2-(p-tolylthio)acetate (**6e**).

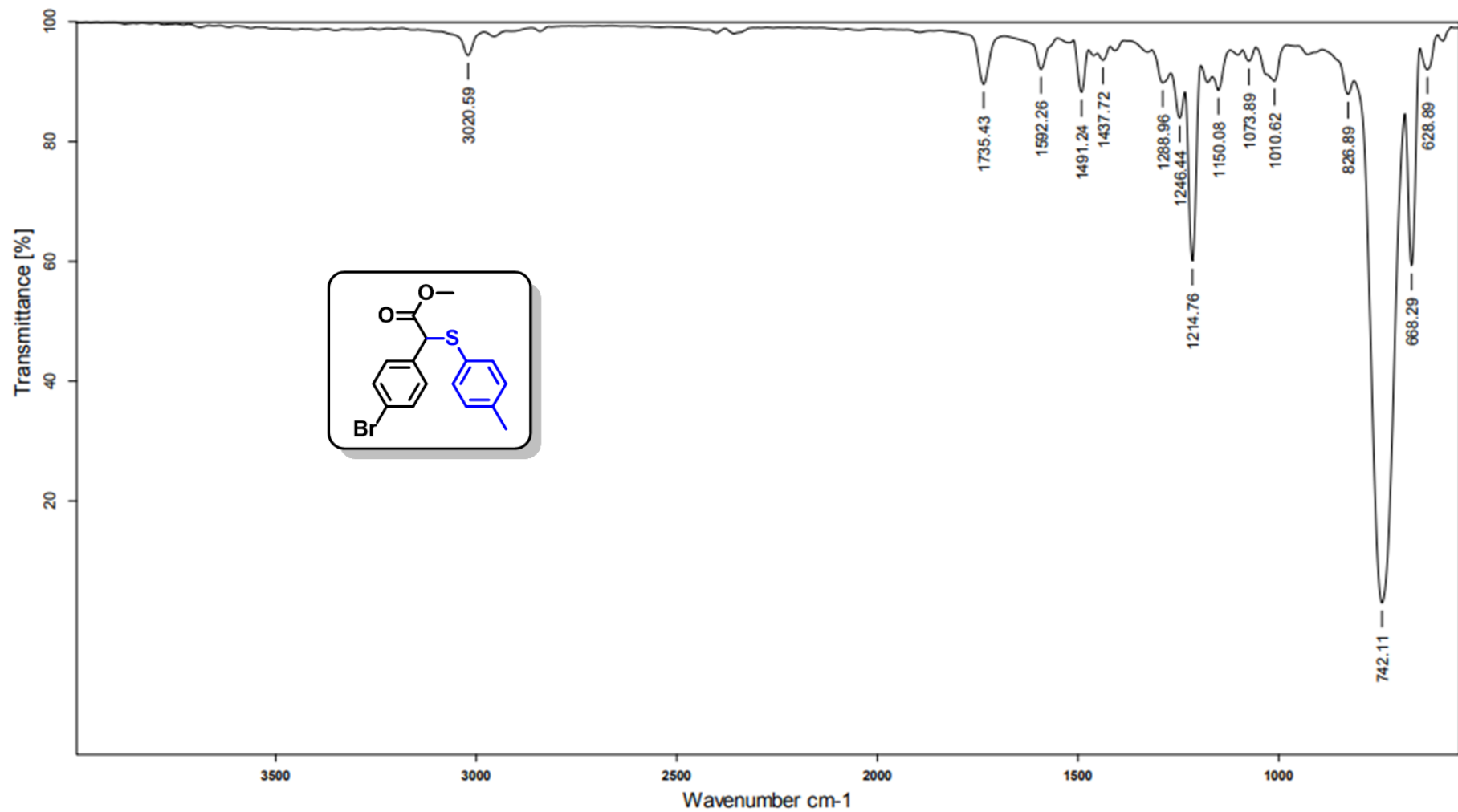


Fig. S121. IR spectra of spectra of methyl 2-(4-bromophenyl)-2-(p-tolylthio)acetate (**6e**).

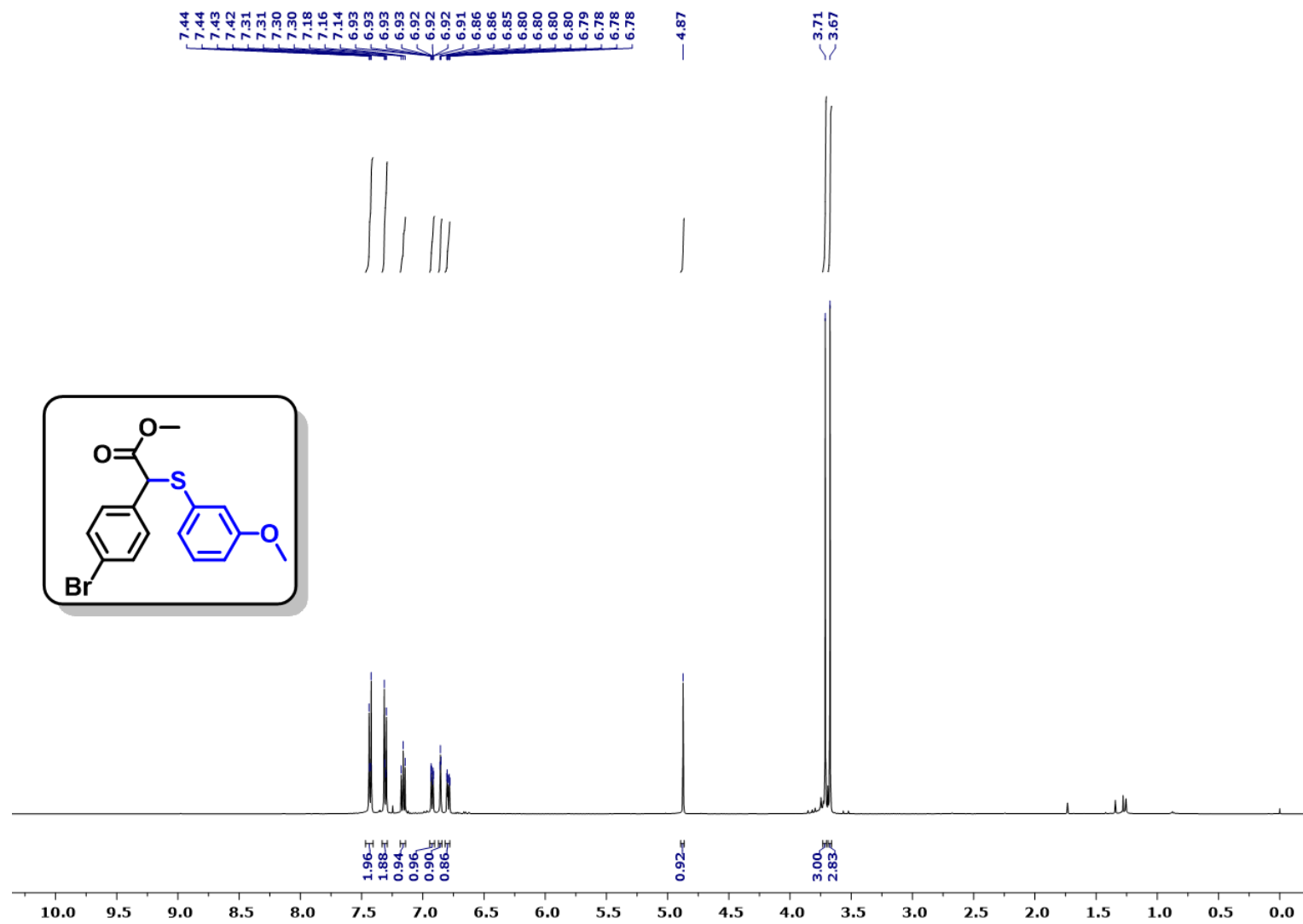


Fig. S122. ¹H NMR (500 MHz, CDCl₃) spectra of methyl 2-(4-bromophenyl)-2-((3-methoxyphenyl)thio)acetate (**6f**).

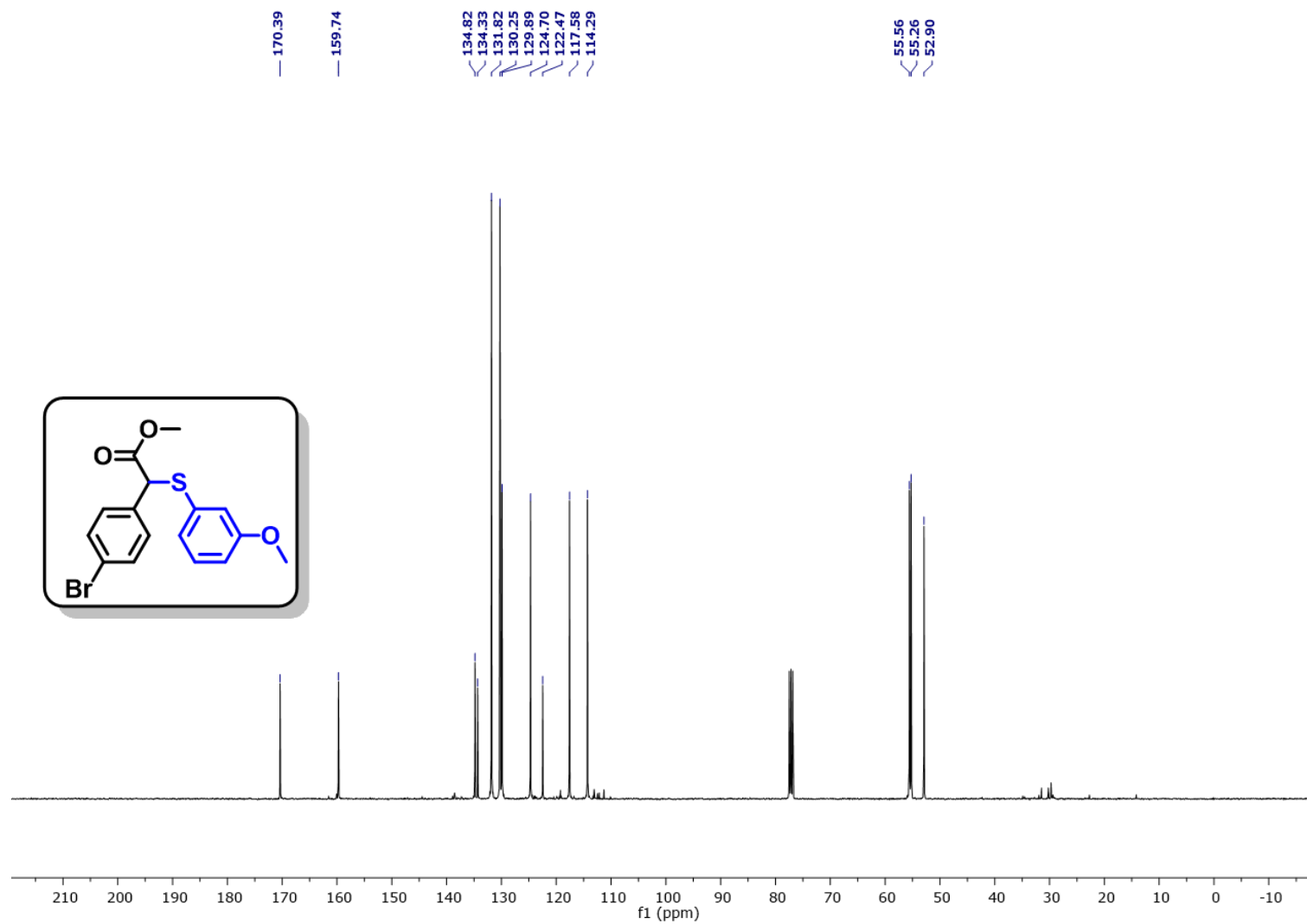


Fig. S123. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 2-(4-bromophenyl)-2-((3-methoxyphenyl)thio)acetate (**6f**).

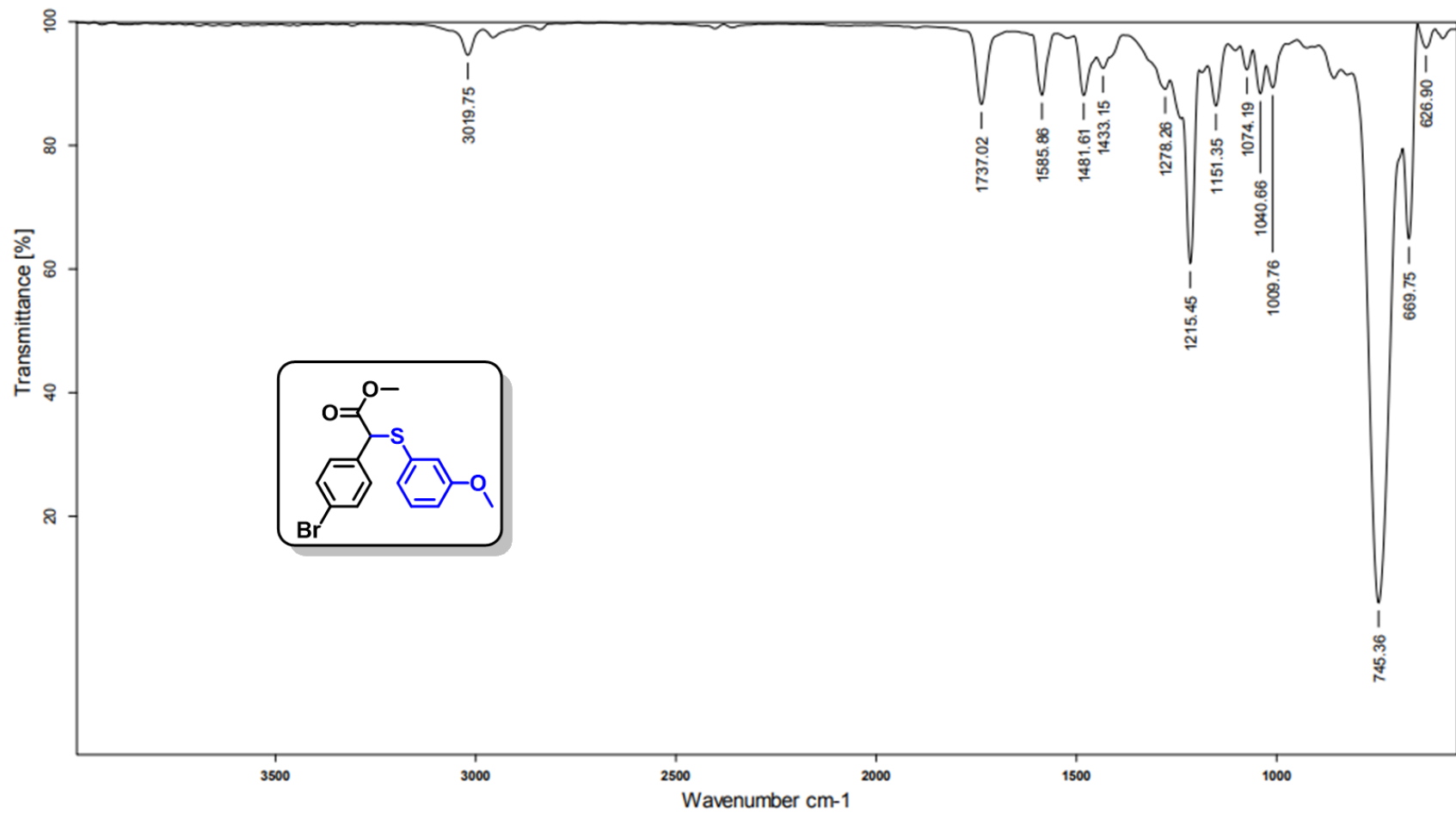


Fig. S124. IR spectra of spectra of methyl 2-(4-bromophenyl)-2-((3-methoxyphenyl)thio)acetate (**6f**).

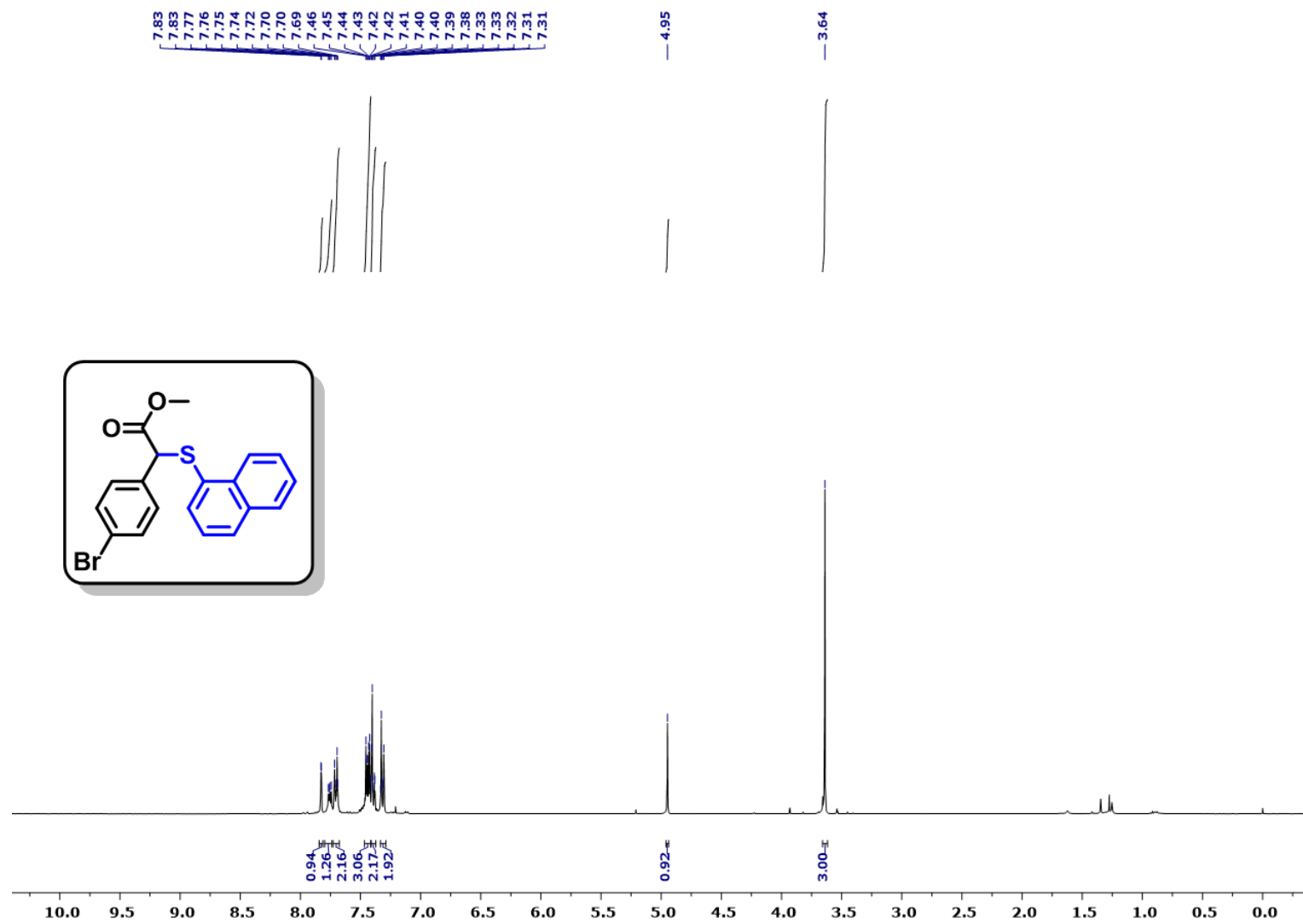


Fig. S125. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-bromophenyl)-2-(naphthalen-1-ylthio)acetate (**6g**).

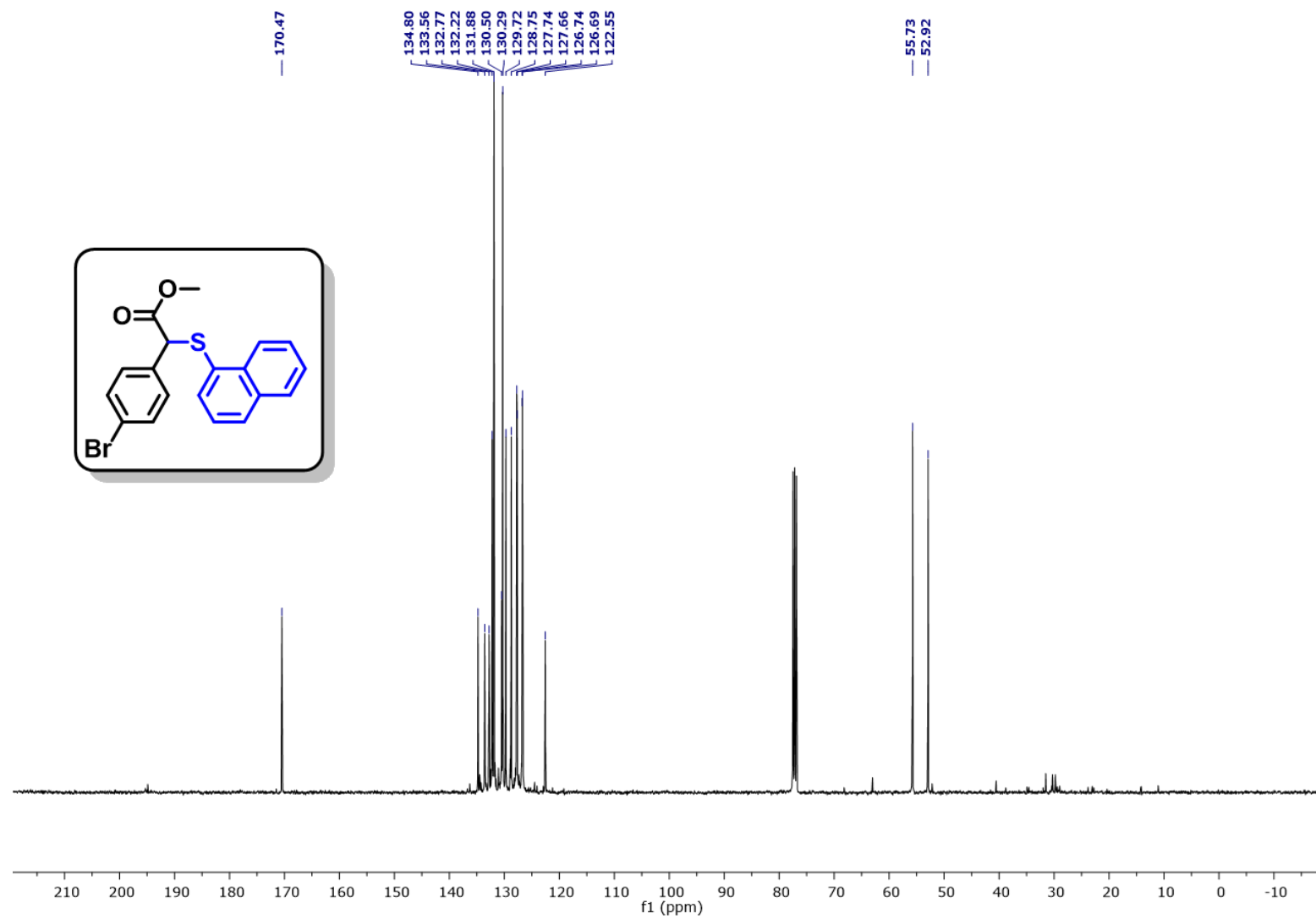


Fig. S126. ¹³C NMR (101 MHz, CDCl₃) spectra of methyl 2-(4-bromophenyl)-2-(naphthalen-1-ylthio)acetate (**6g**).

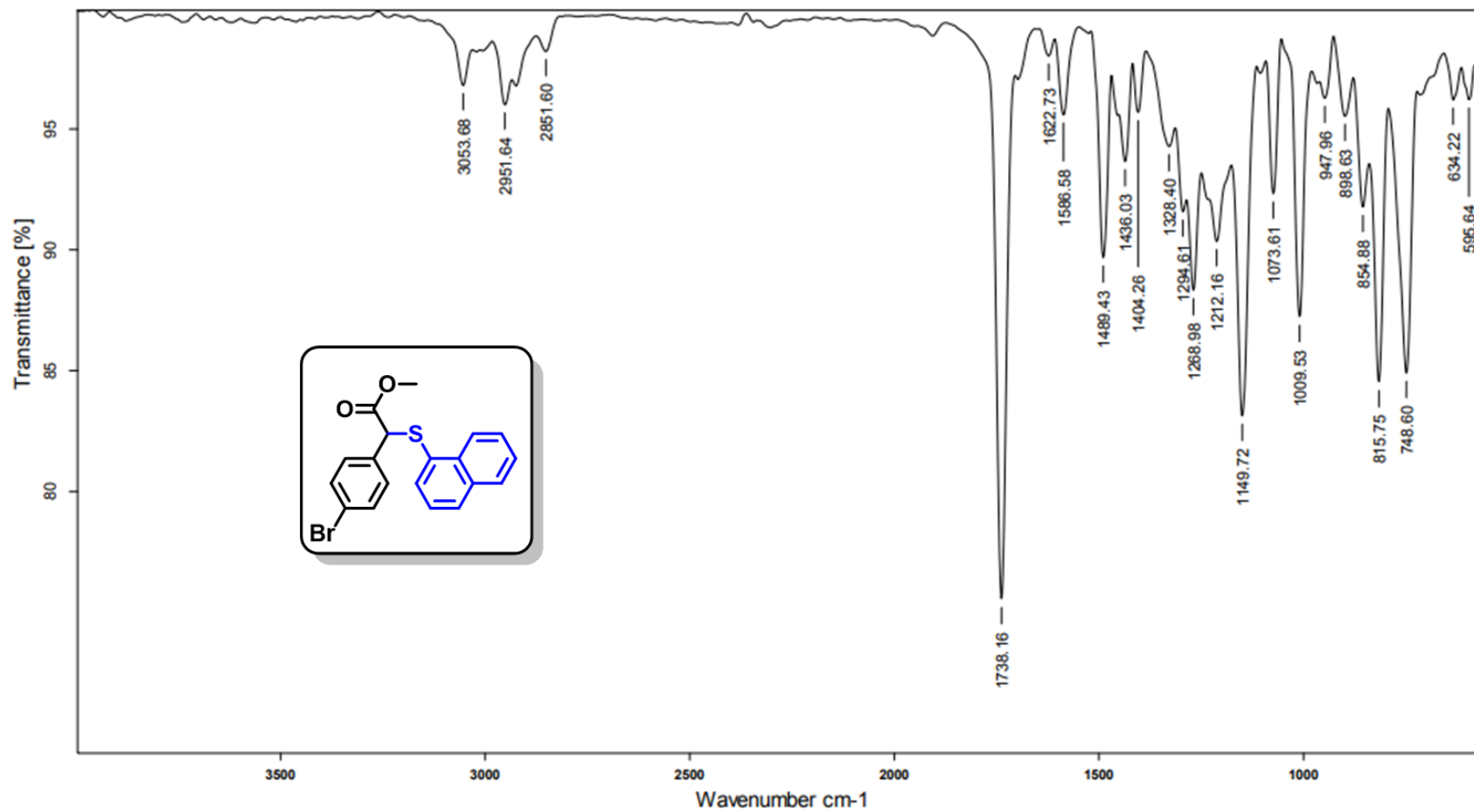


Fig. S127. IR spectra of spectra of methyl 2-(4-bromophenyl)-2-(naphthalen-1-ylthio)acetate (**6g**).

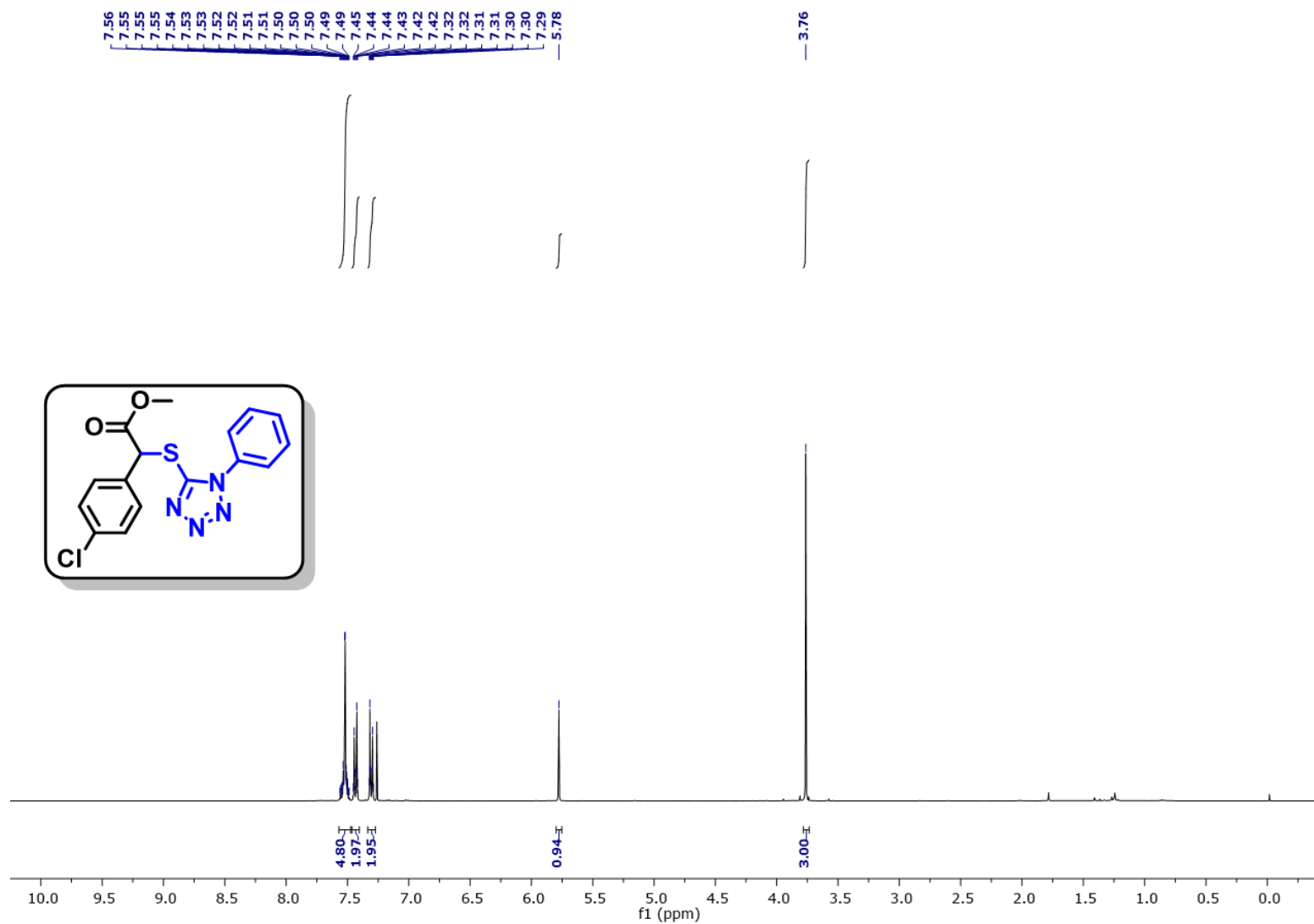


Fig. S128. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-chlorophenyl)-2-((1-phenyl-1H-tetrazol-5-yl)thio)acetate (**6h**).

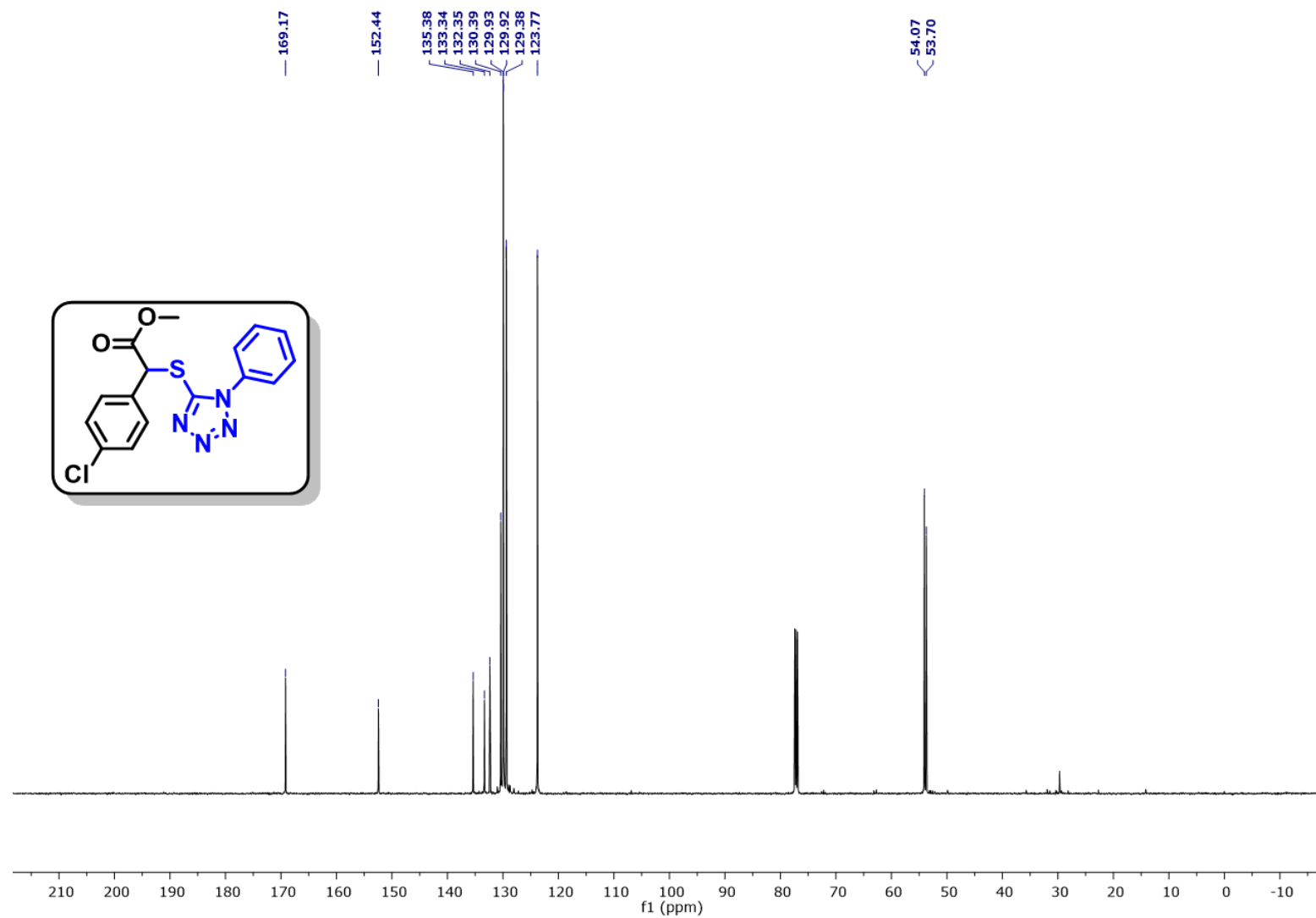


Fig. S129. ^{13}C NMR (126 MHz, CDCl_3) spectra of methyl 2-(4-chlorophenyl)-2-((1-phenyl-1H-tetrazol-5-yl)thio)acetate (**6h**).

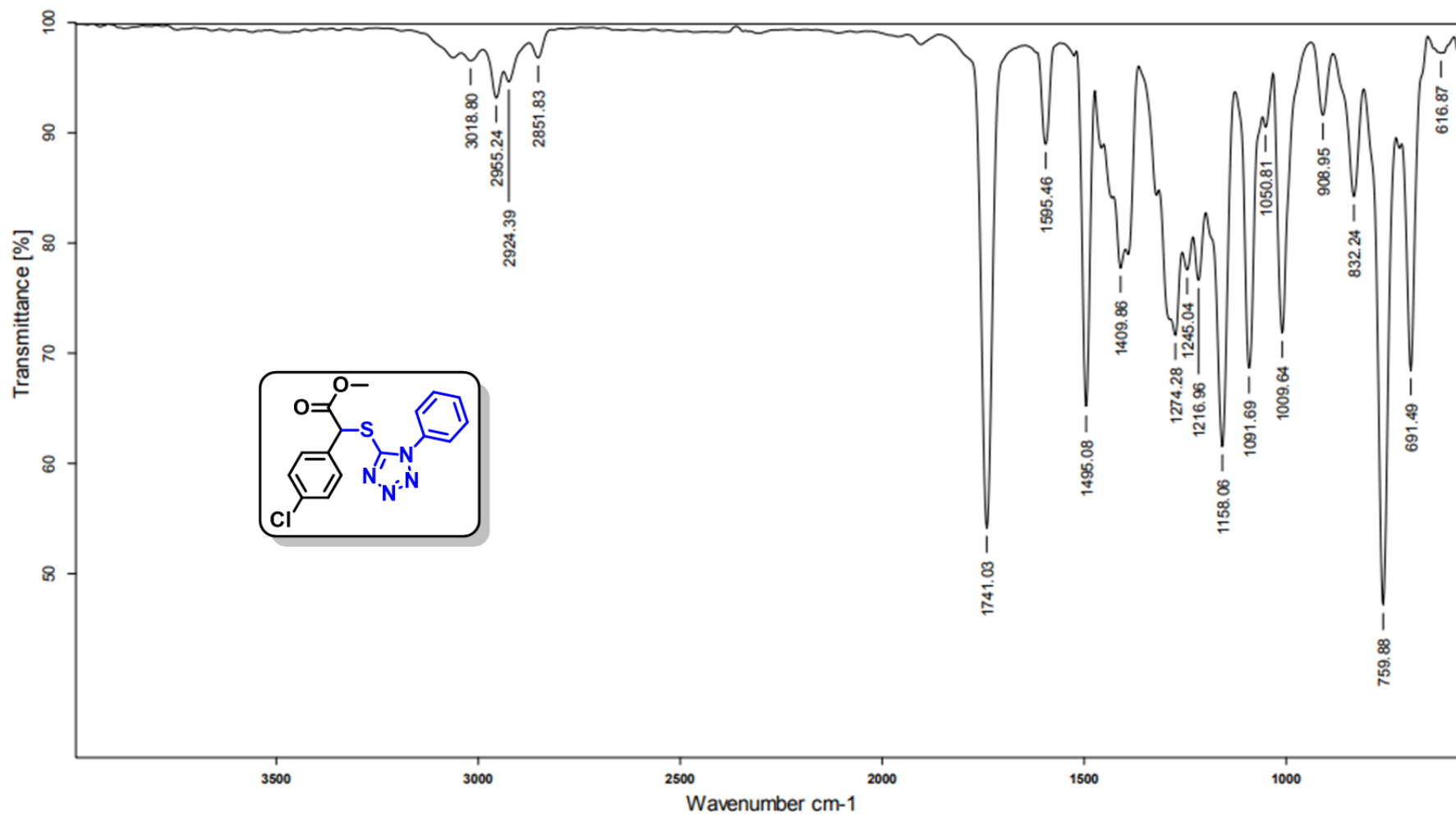


Fig. S130. IR spectra of spectra of methyl 2-(4-chlorophenyl)-2-((1-phenyl-1H-tetrazol-5-yl)thio)acetate (**6h**).

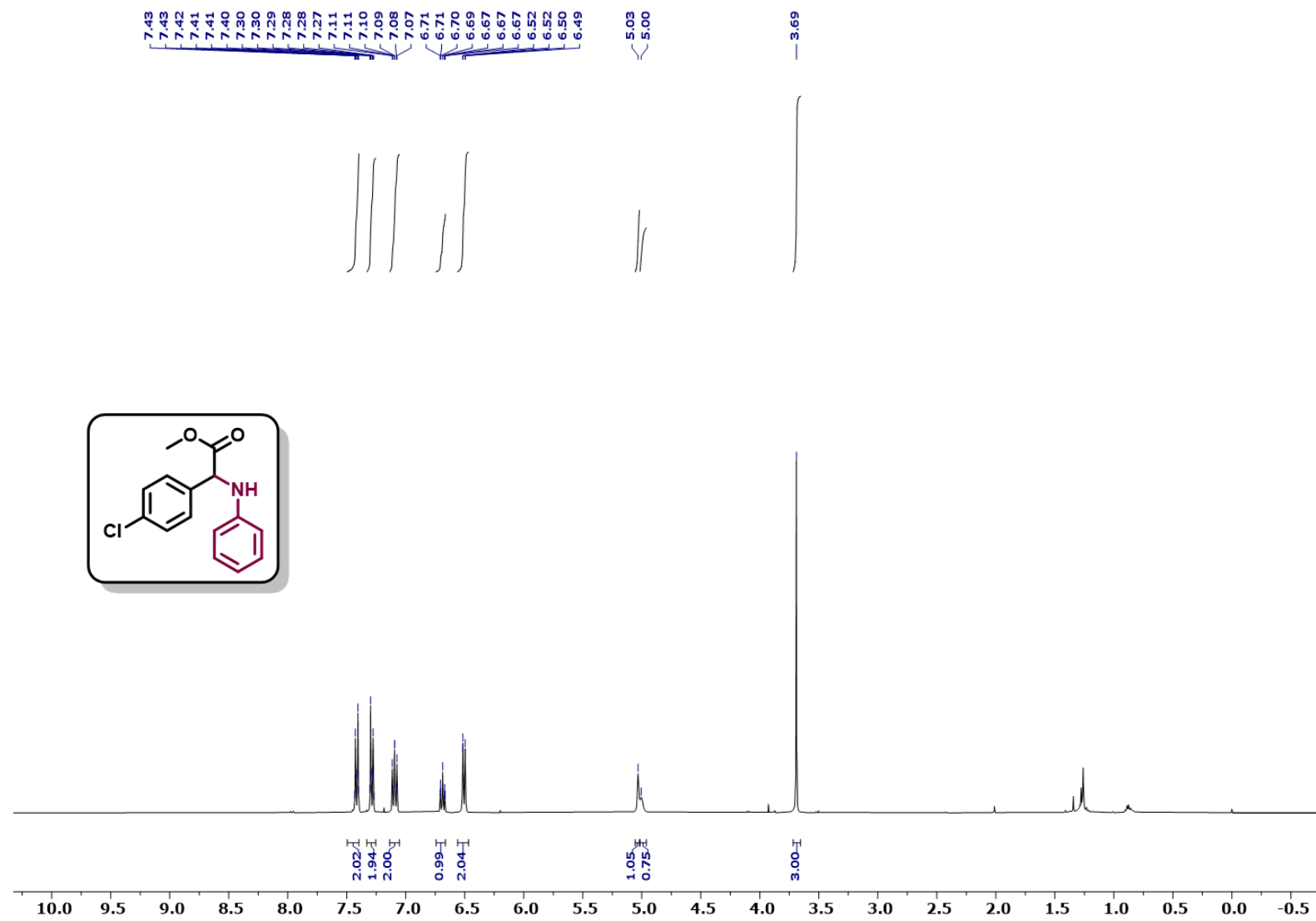


Fig. S131. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-chlorophenyl)-2-(phenylamino)acetate (**8a**).

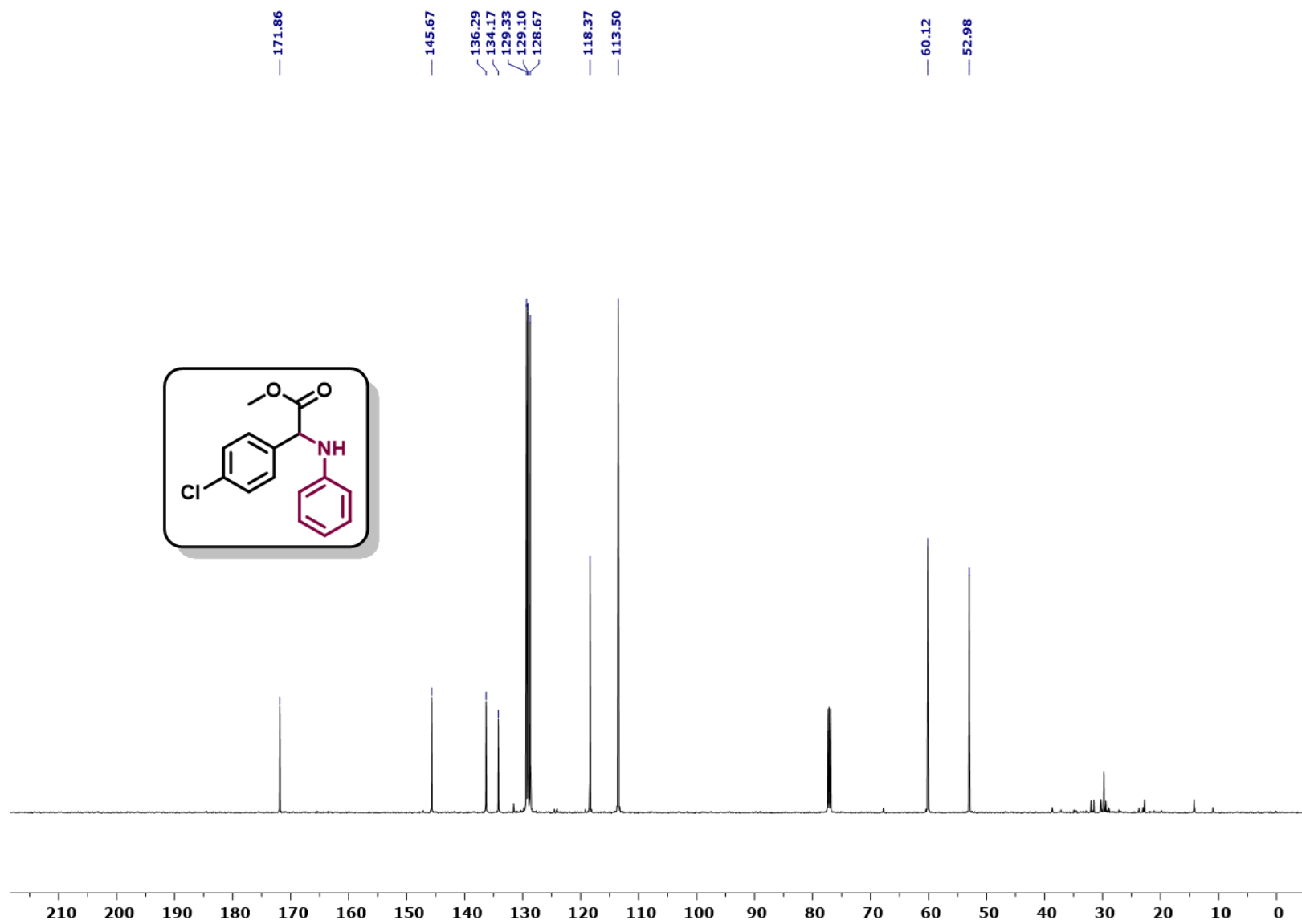


Fig. S132. ^{13}C NMR (126 MHz, CDCl_3) spectra of methyl 2-(4-chlorophenyl)-2-(phenylamino)acetate (**8a**).

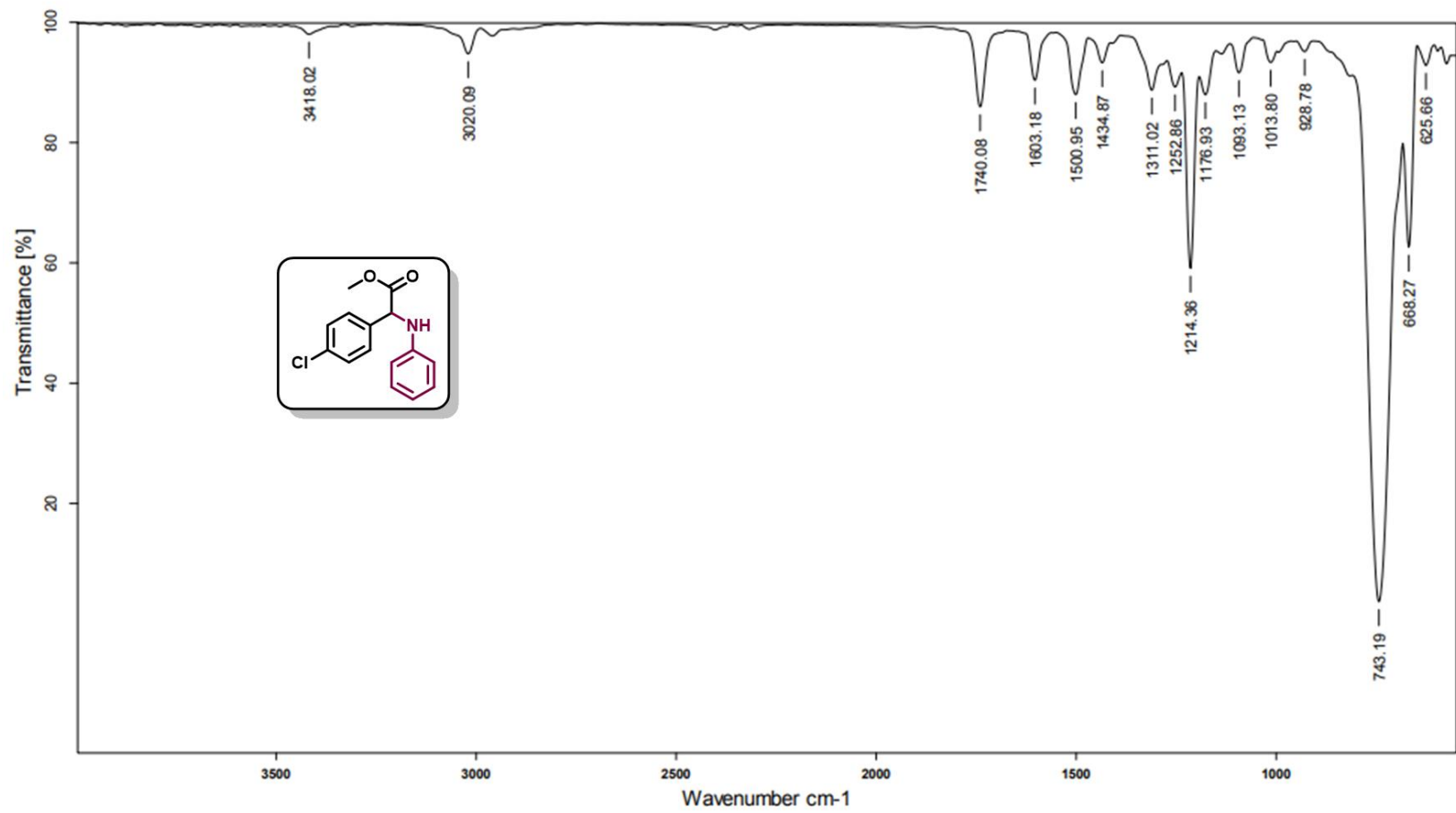


Fig. S133. IR spectra of methyl 2-(4-chlorophenyl)-2-(phenylamino)acetate (**8a**).

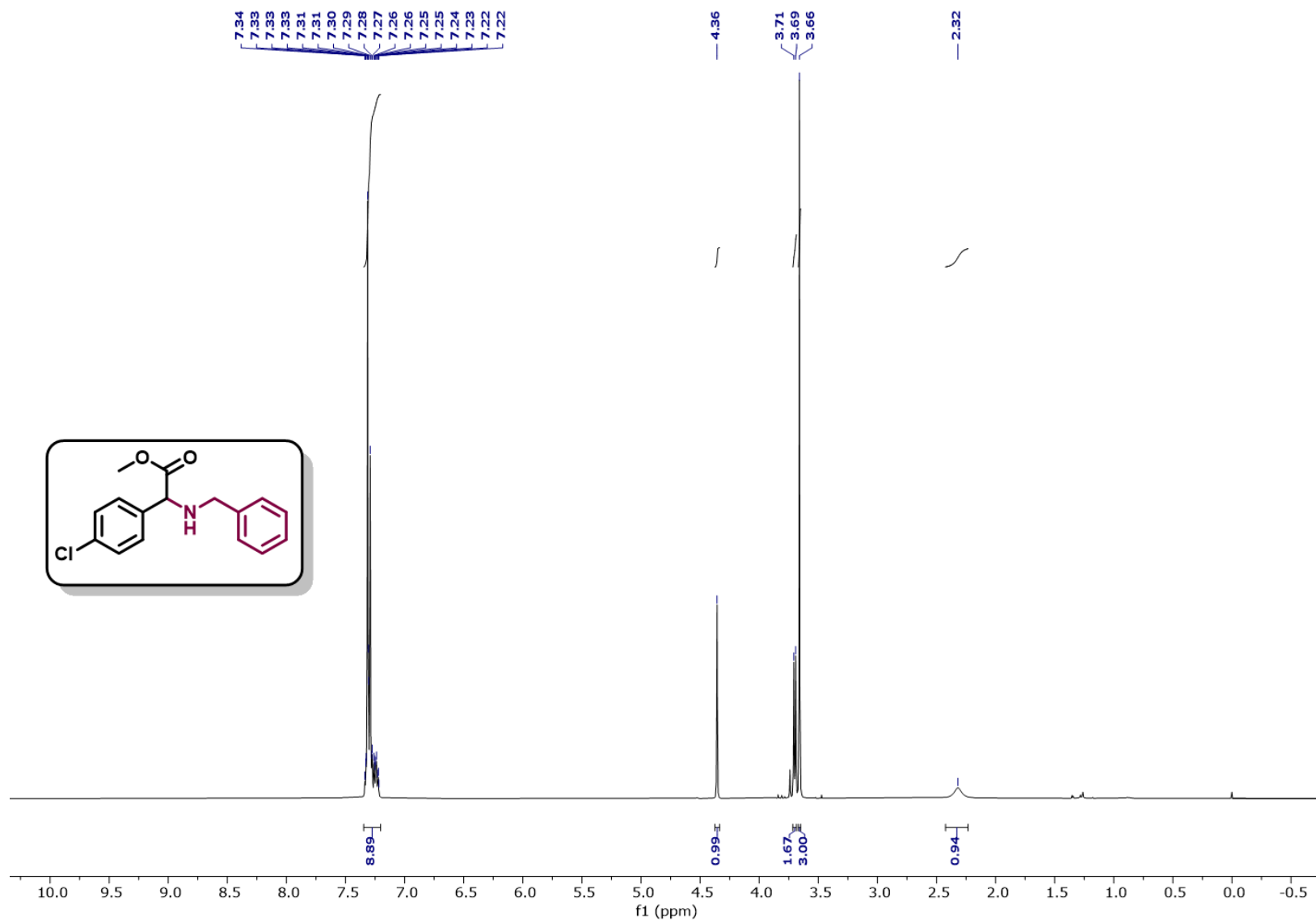


Fig. S134. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(benzylamino)-2-(4-chlorophenyl)acetate (**8b**).

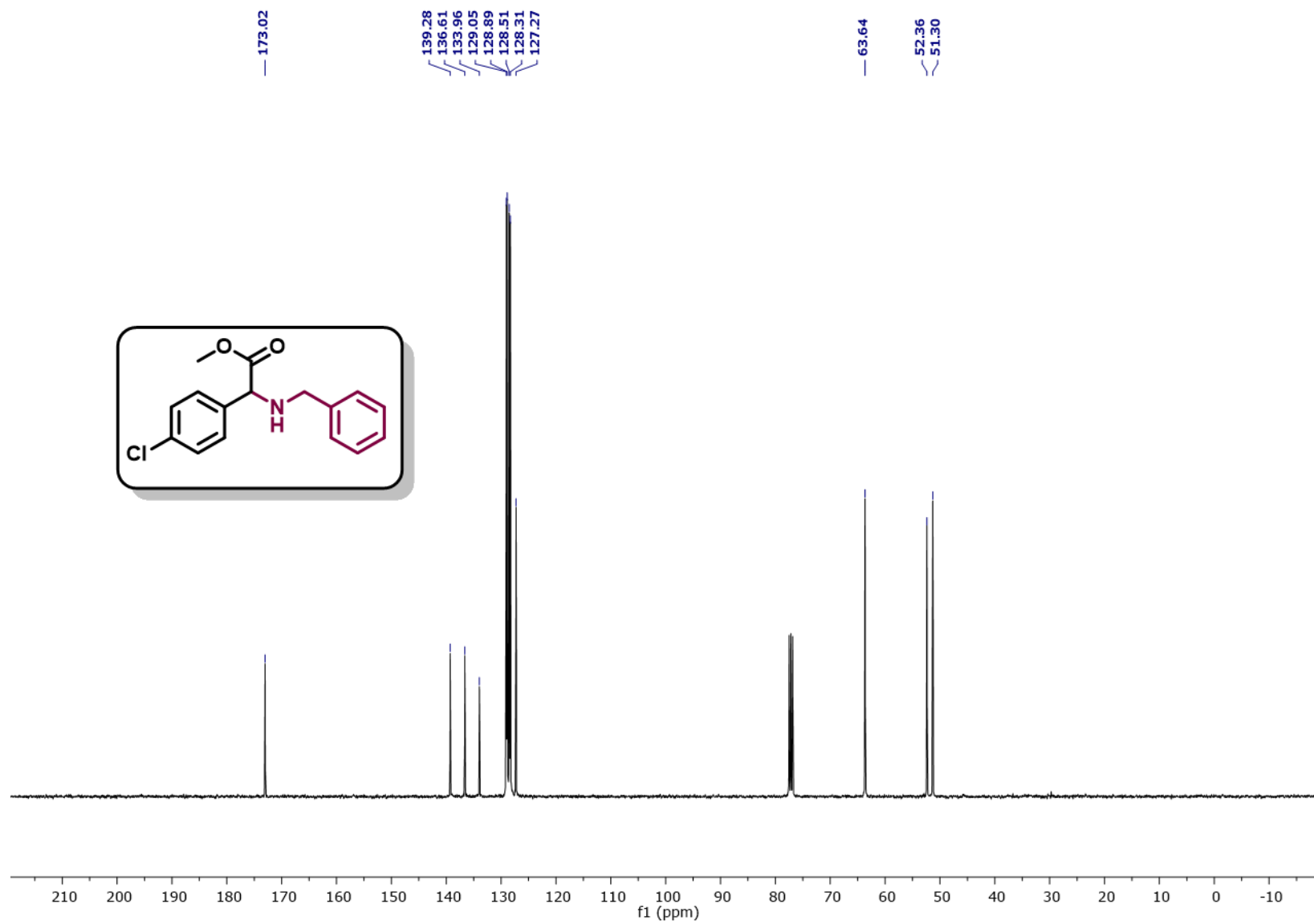


Fig. S135. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 2-(benzylamino)-2-(4-chlorophenyl)acetate (**8b**).

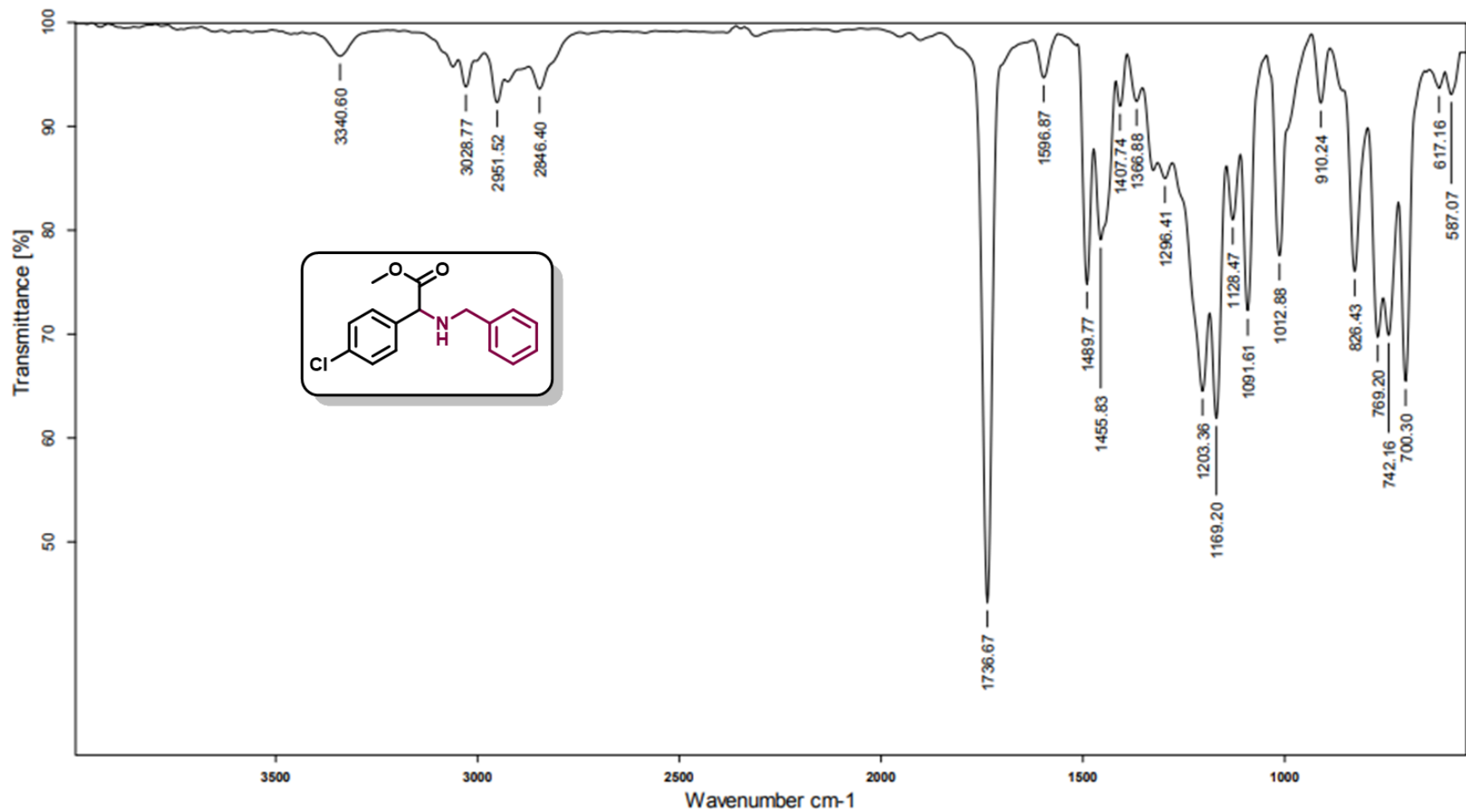


Fig. S136. IR spectra of methyl 2-(benzylamino)-2-(4-chlorophenyl)acetate (**8b**).

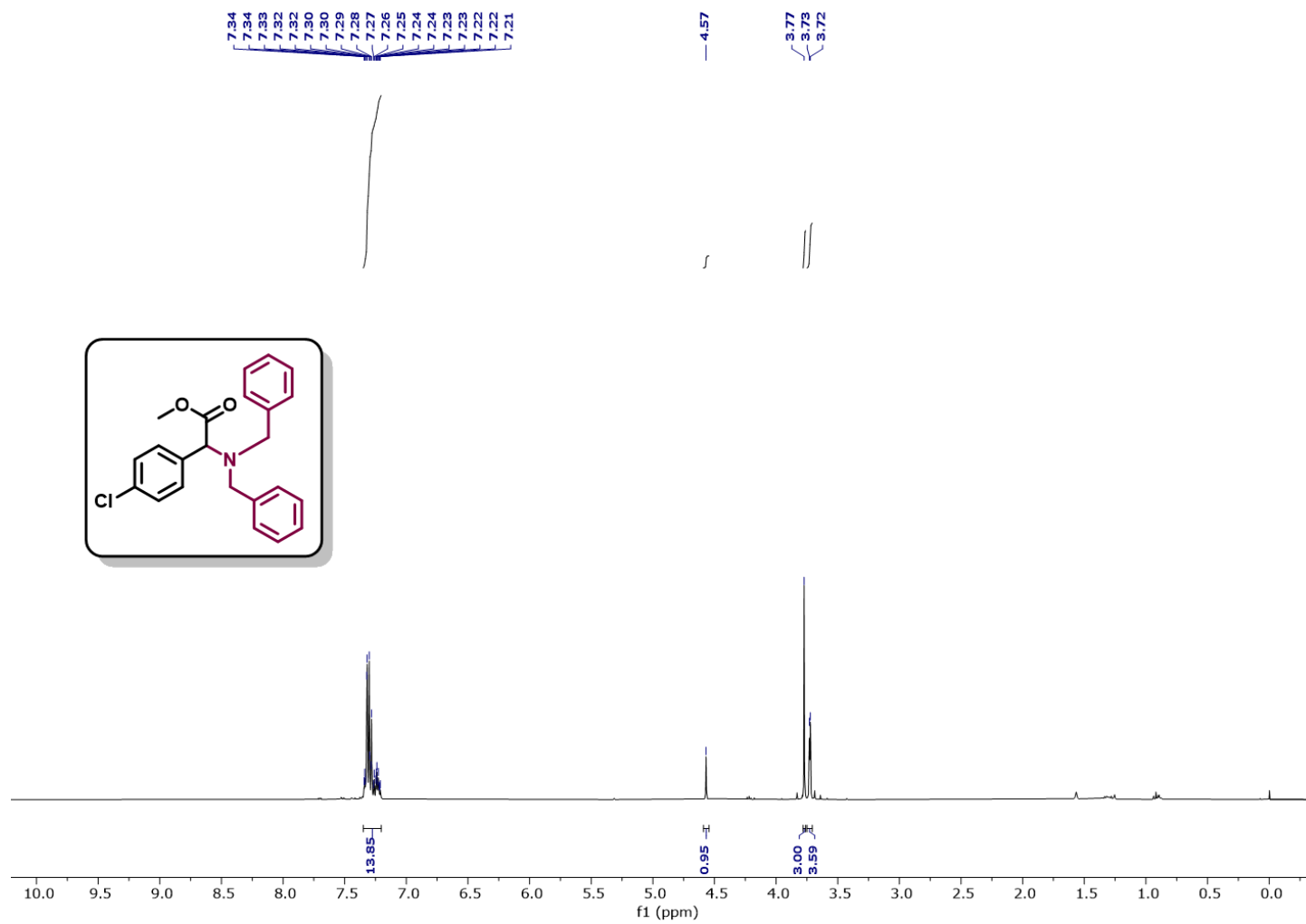


Fig. S137. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-chlorophenyl)-2-(dibenzylamino)acetate (**8c**).

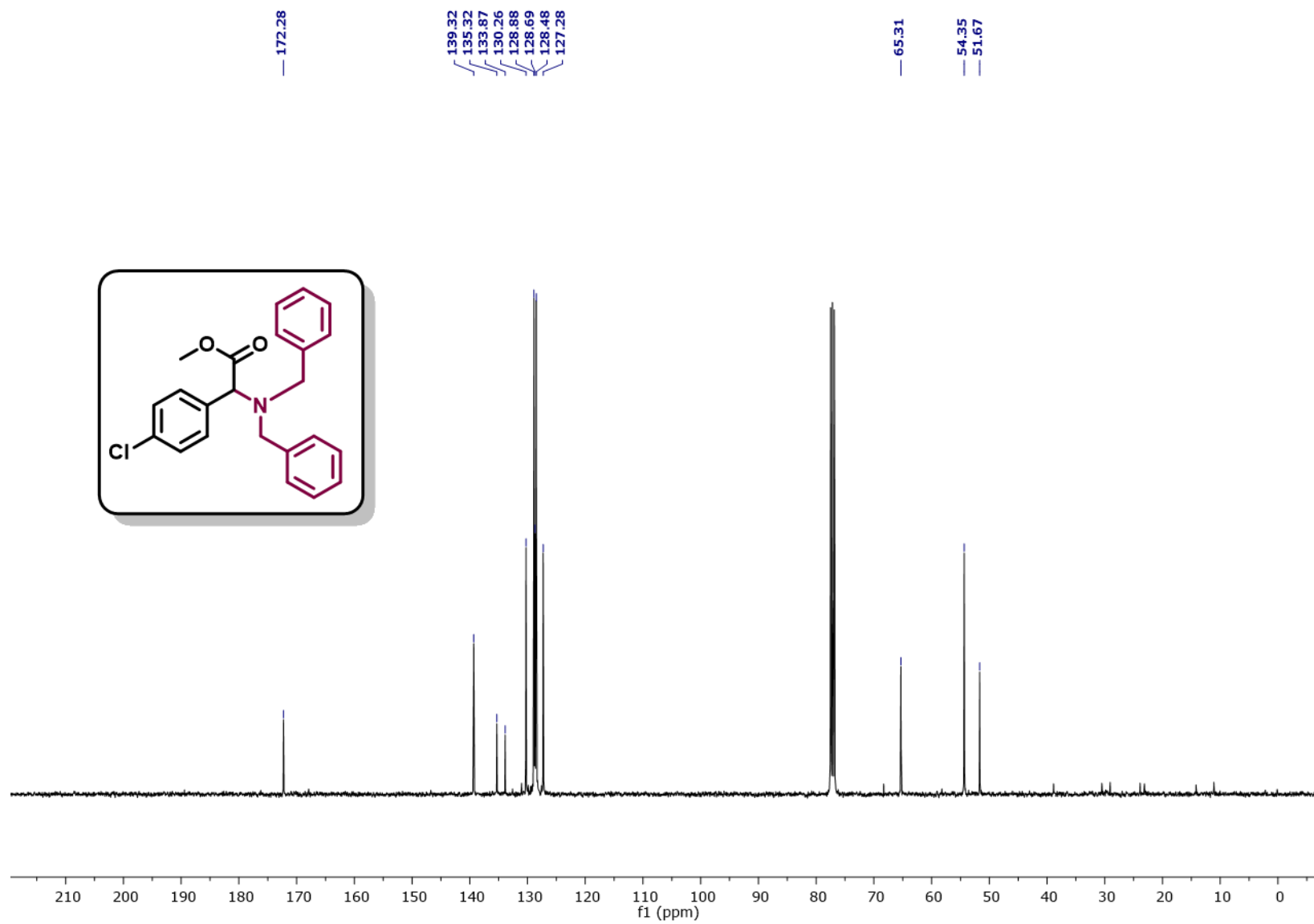


Fig. S138. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 2-(4-chlorophenyl)-2-(dibenzylamino)acetate (**8c**).

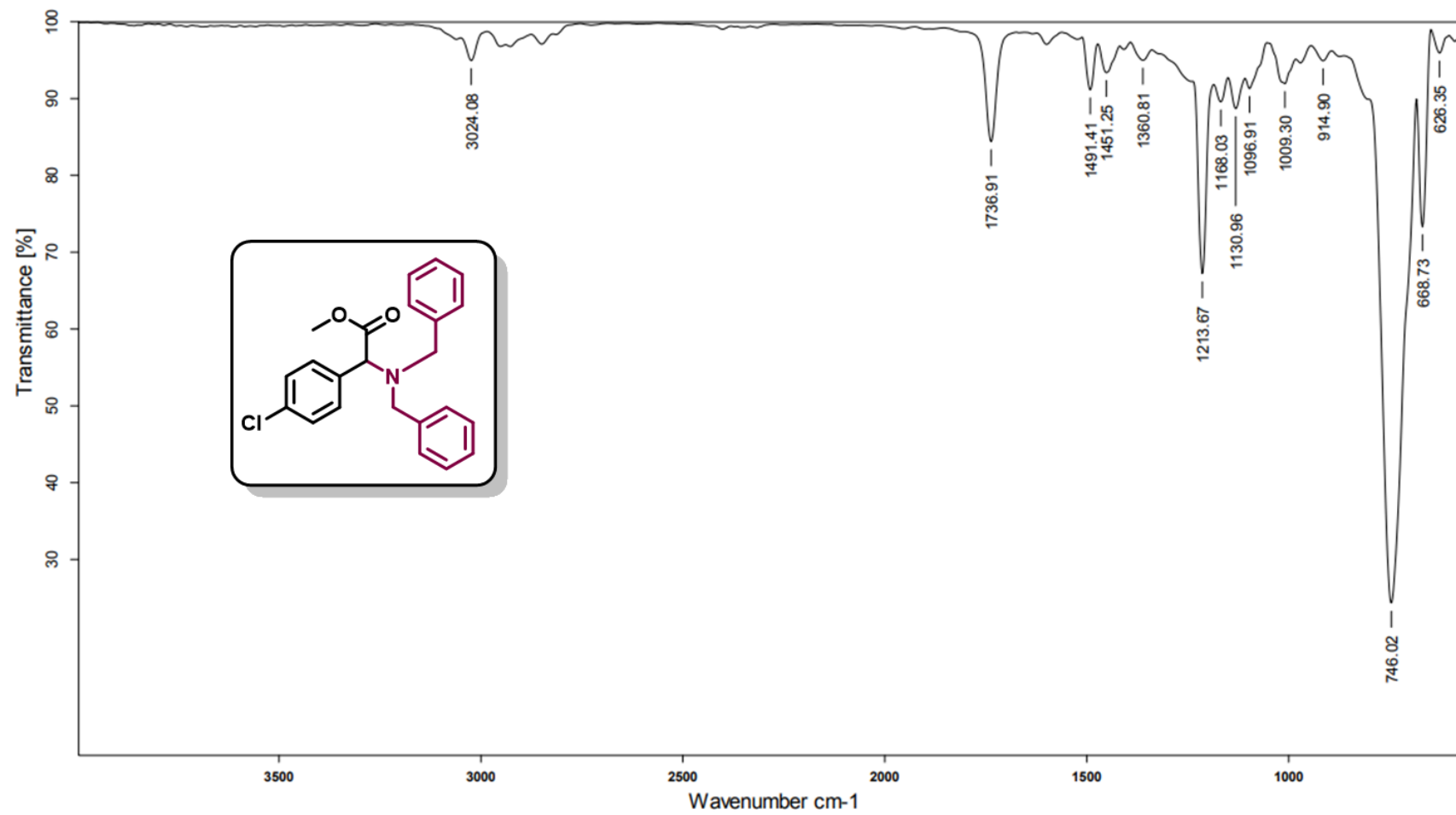


Fig. S139. IR spectra of methyl 2-(4-chlorophenyl)-2-(dibenzylamino)acetate (**8c**).

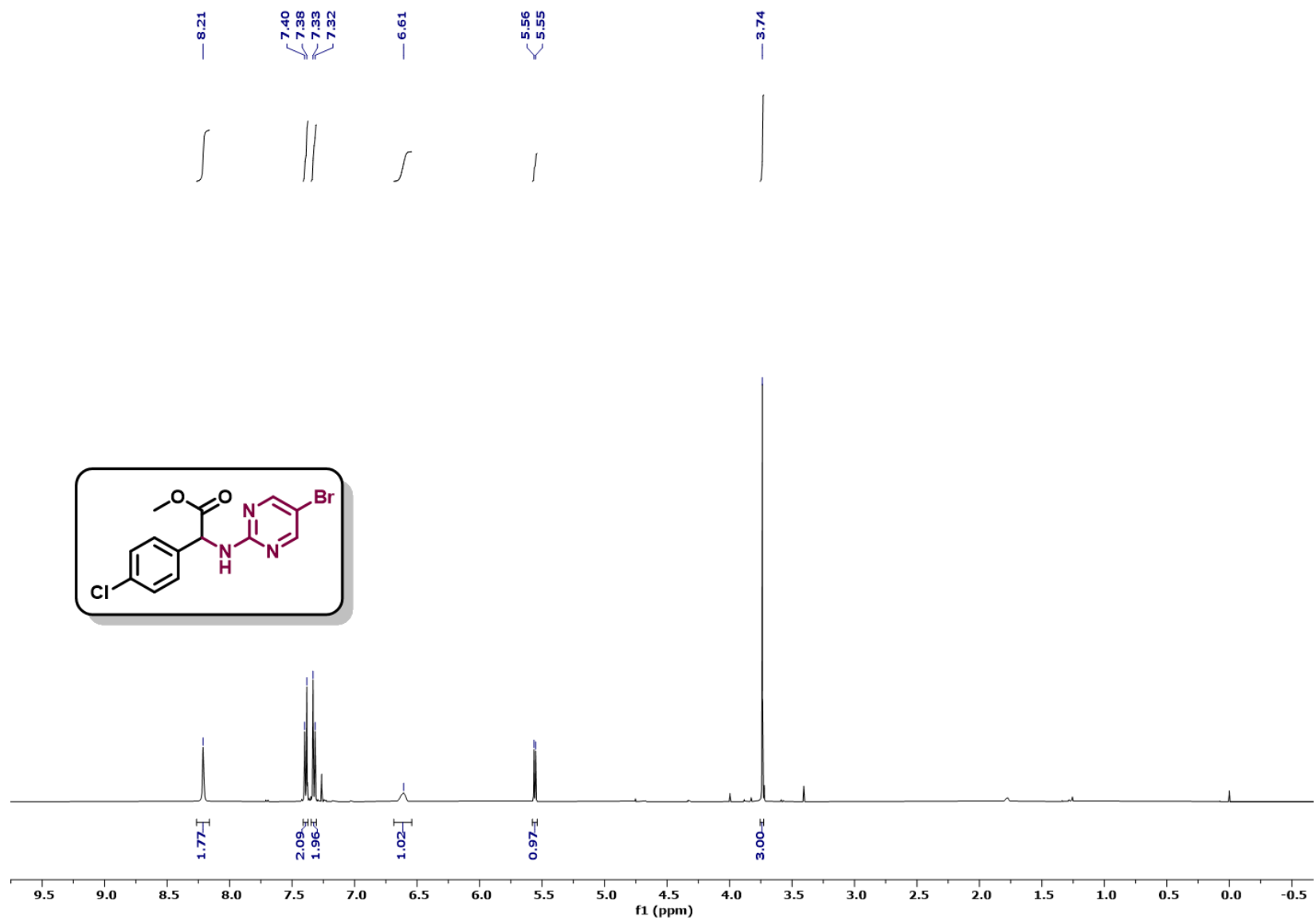


Fig. S140. ¹H NMR (500 MHz, CDCl₃) spectra of methyl 2-((5-bromopyrimidin-2-yl)amino)-2-(4-chlorophenyl)acetate (**8d**).

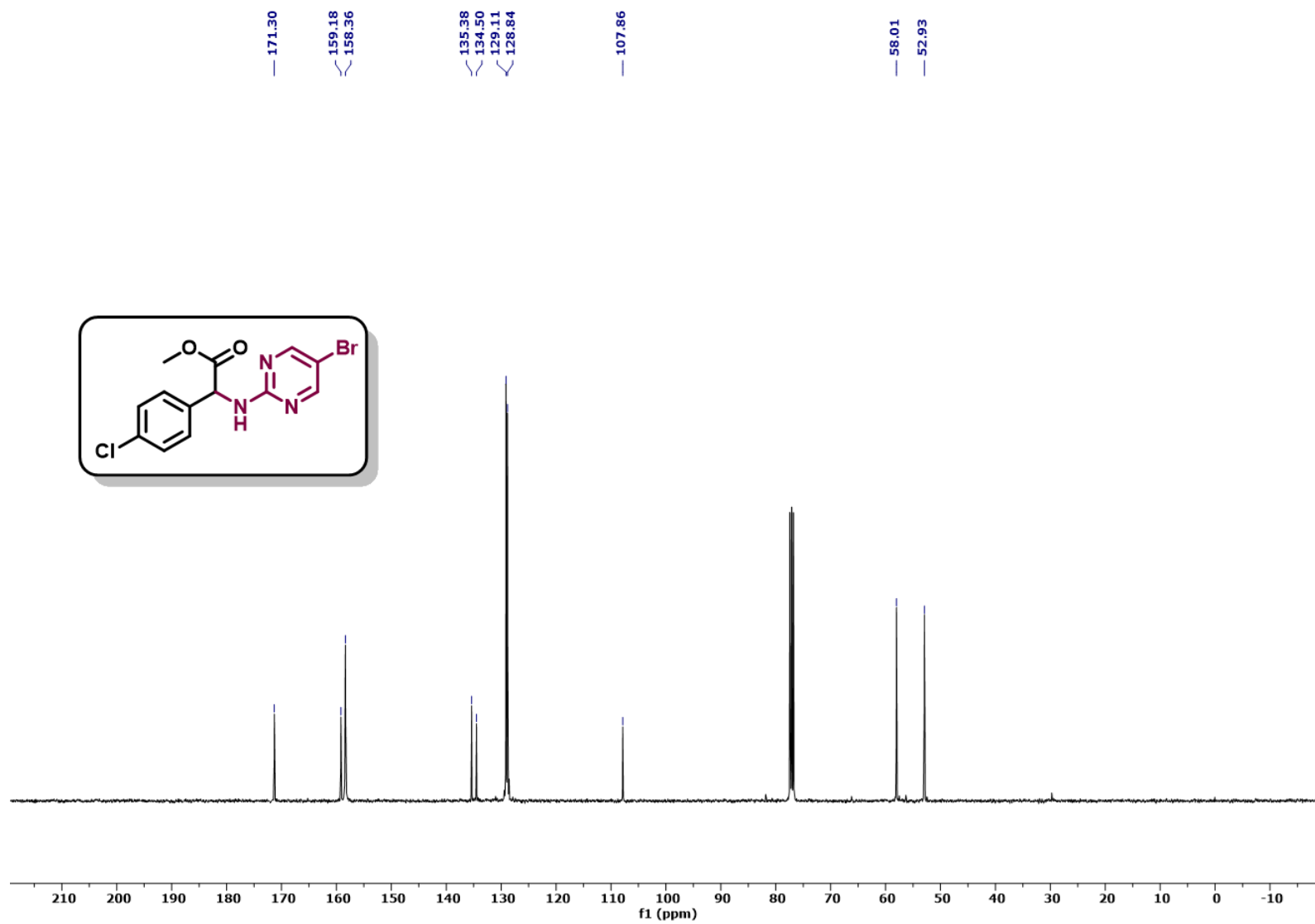


Fig. S141. ¹³C NMR (101 MHz, CDCl₃) spectra of methyl 2-((5-bromopyrimidin-2-yl)amino)-2-(4-chlorophenyl)acetate (**8d**).

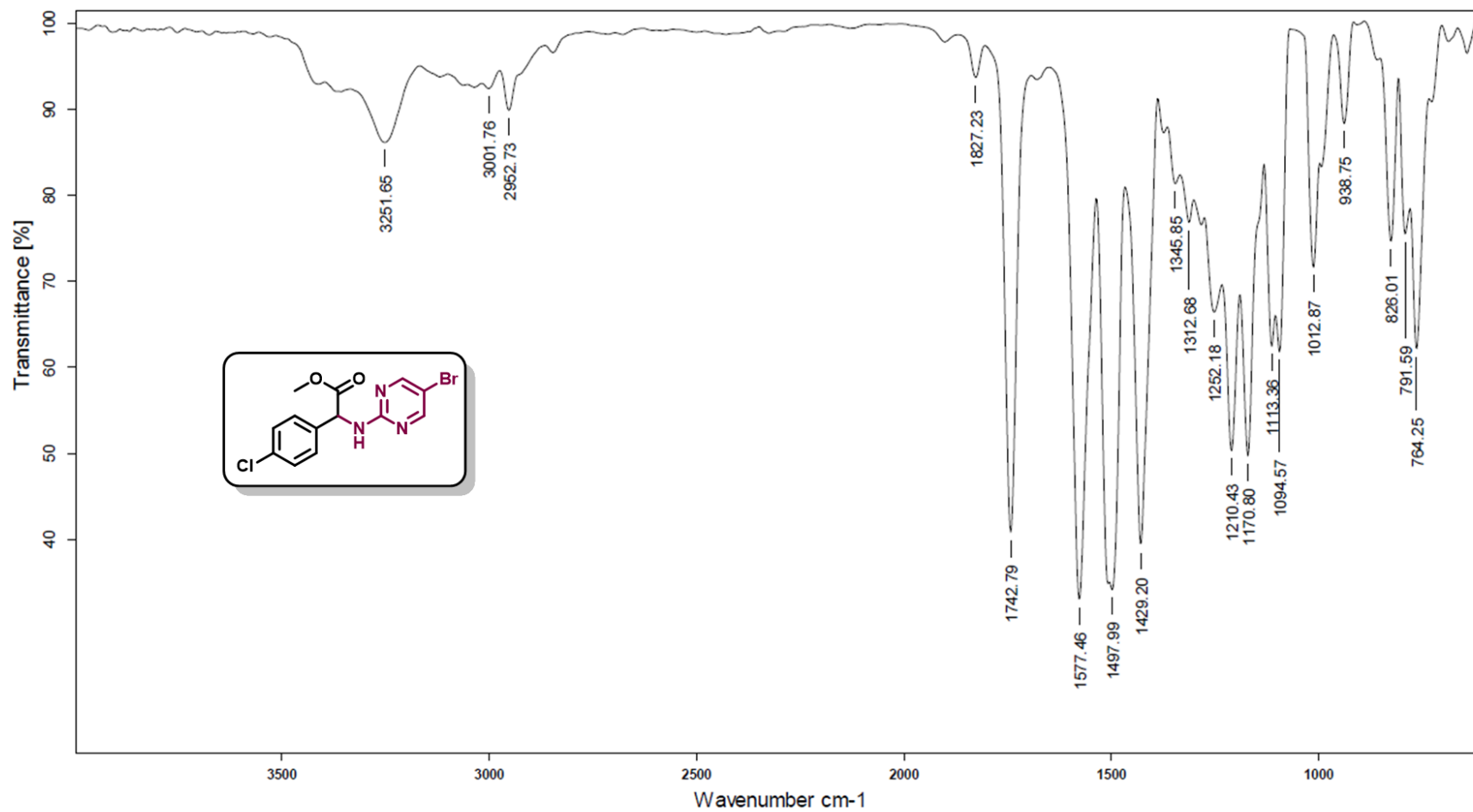


Fig. S142. IR spectra of methyl 2-((5-bromopyrimidin-2-yl)amino)-2-(4-chlorophenyl)acetate (**8d**).

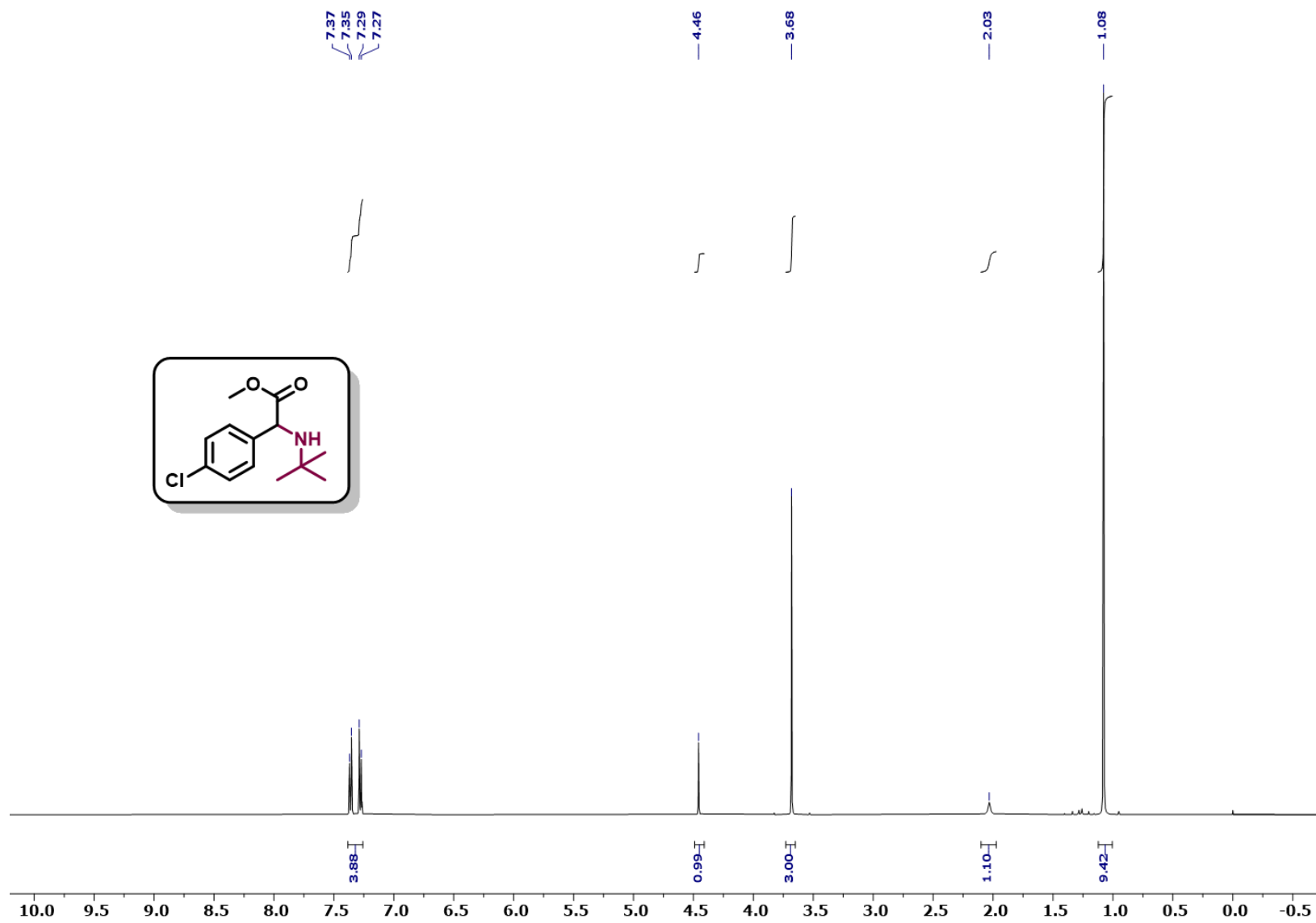


Fig. S143. ¹H NMR (500 MHz, CDCl₃) spectra of methyl 2-(tert-butylamino)-2-(4-chlorophenyl)acetate (**8e**).

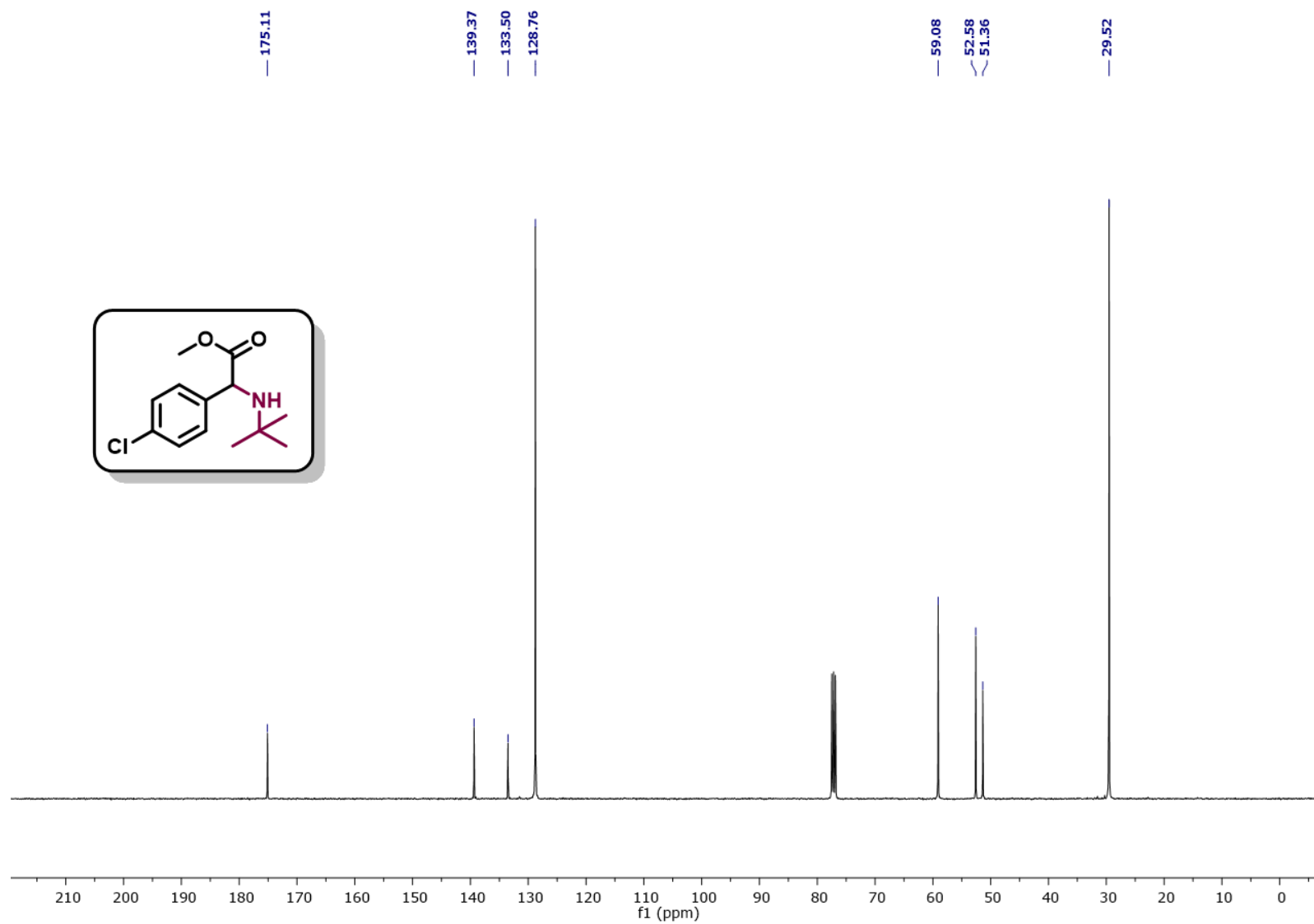


Fig. S144. ¹³C NMR (101 MHz, CDCl₃) spectra of methyl 2-(tert-butylamino)-2-(4-chlorophenyl)acetate (**8e**).

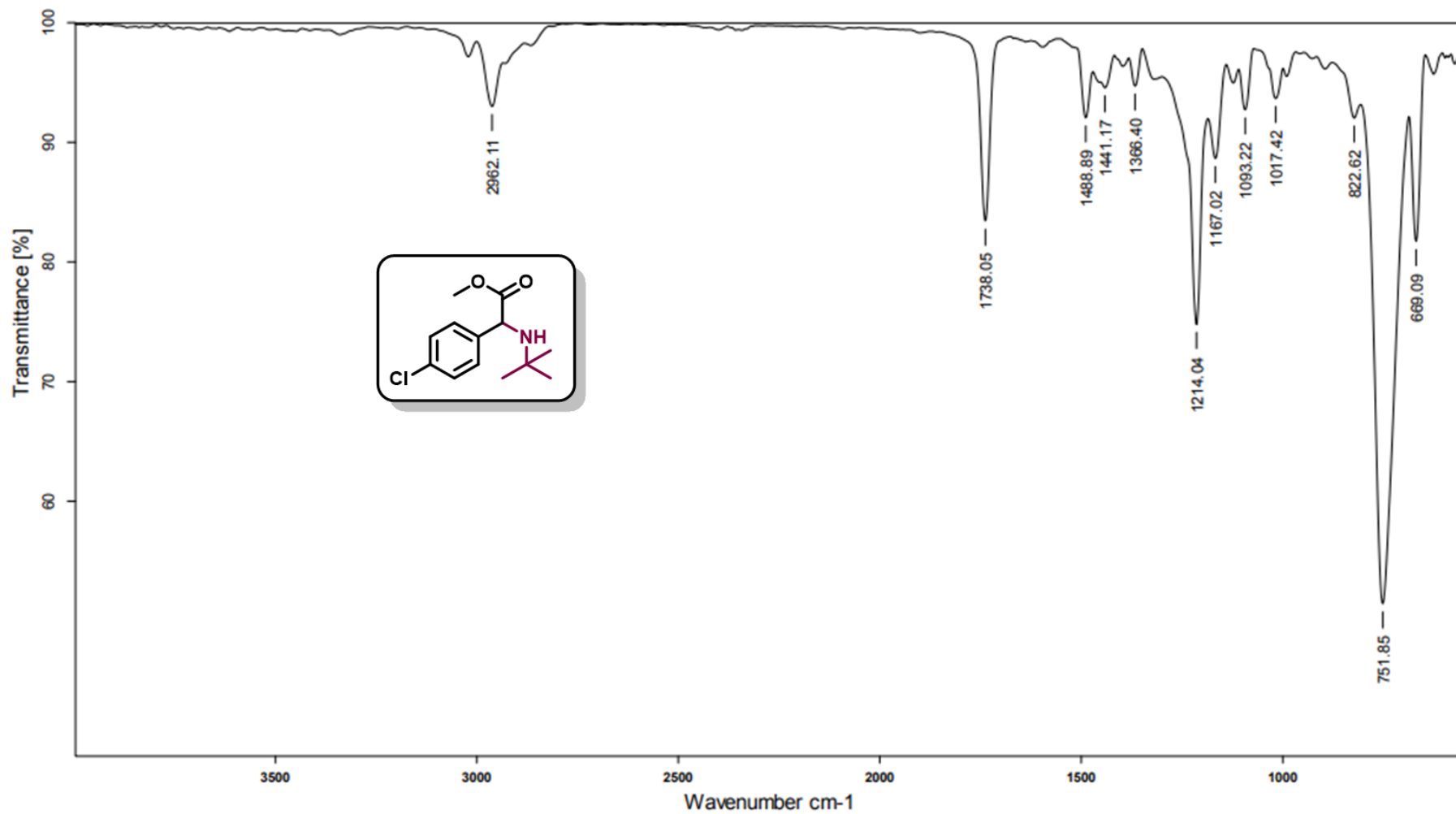


Fig. S145. IR spectra of methyl 2-(tert-butylamino)-2-(4-chlorophenyl)acetate (**8e**).

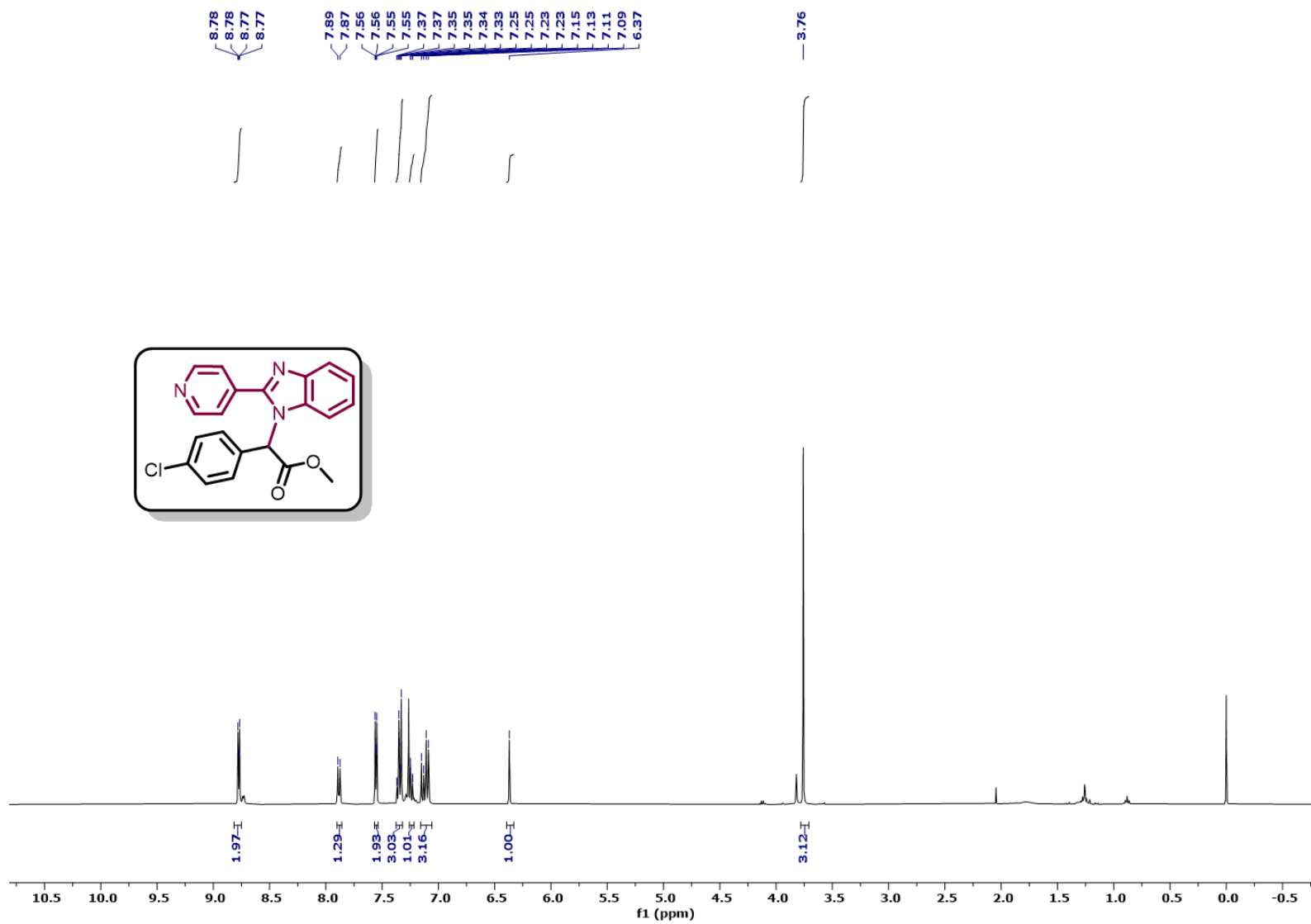


Fig. S146. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-chlorophenyl)-2-(2-(pyridin-4-yl)-1H-benzo[d]imidazol-1-yl)acetate (**8f**).

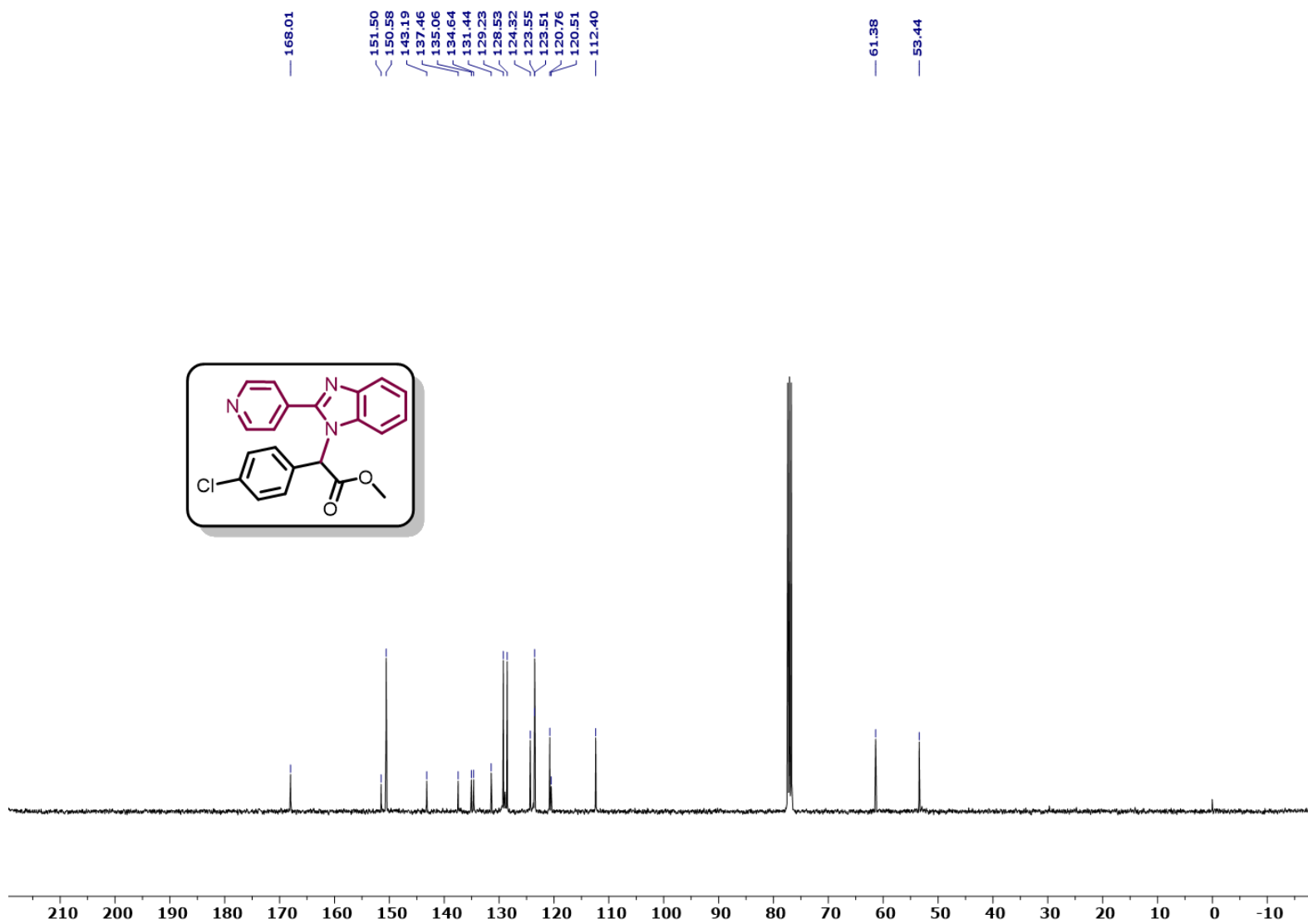


Fig. S147. ¹³C NMR (101 MHz, CDCl₃) spectra of methyl 2-(4-chlorophenyl)-2-(2-(pyridin-4-yl)-1H-benzo[d]imidazol-1-yl)acetate (**8f**).

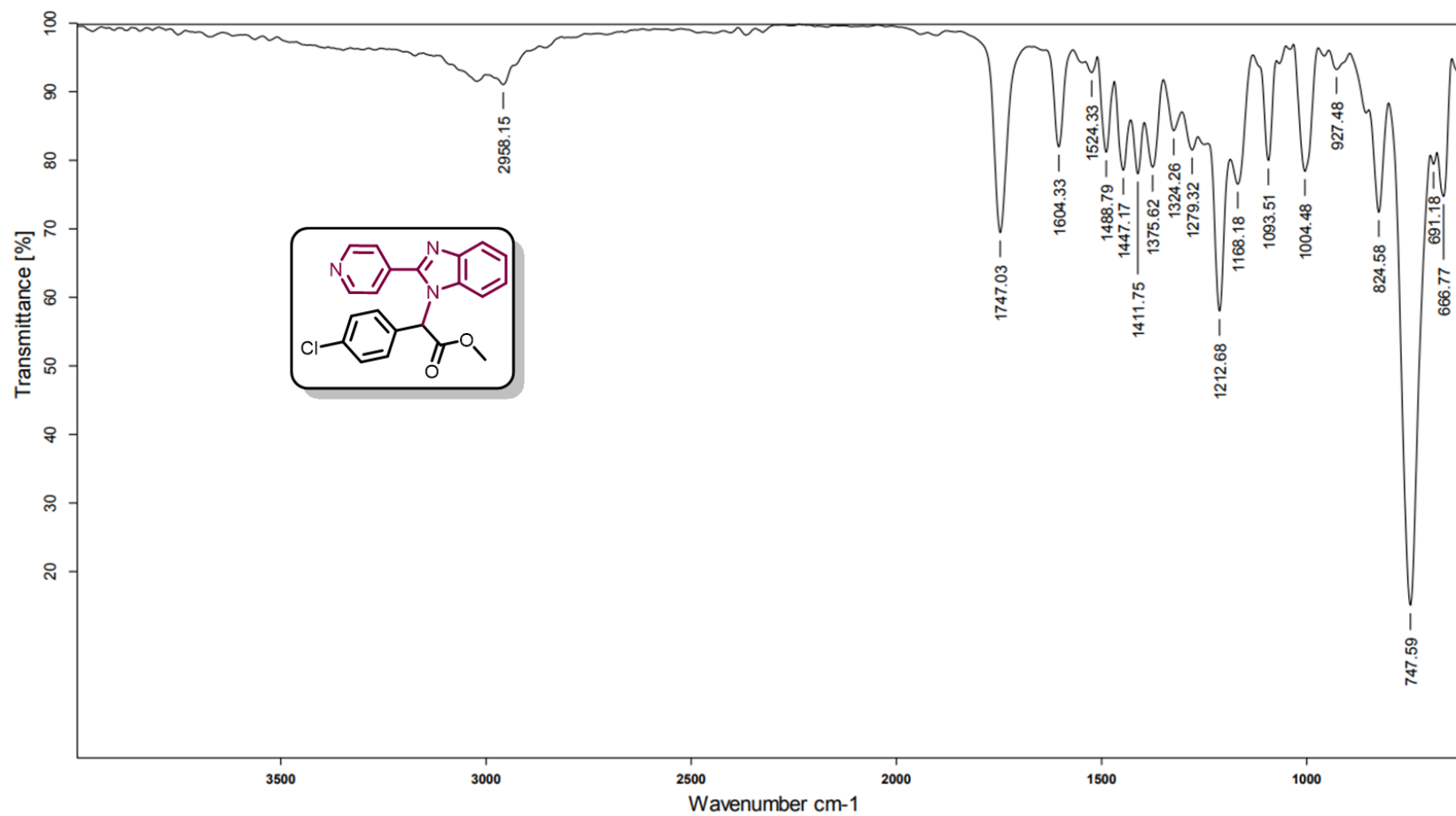


Fig. S148. IR spectra of methyl 2-(4-chlorophenyl)-2-(2-(pyridin-4-yl)-1H-benzo[d]imidazol-1-yl)acetate (**8f**).

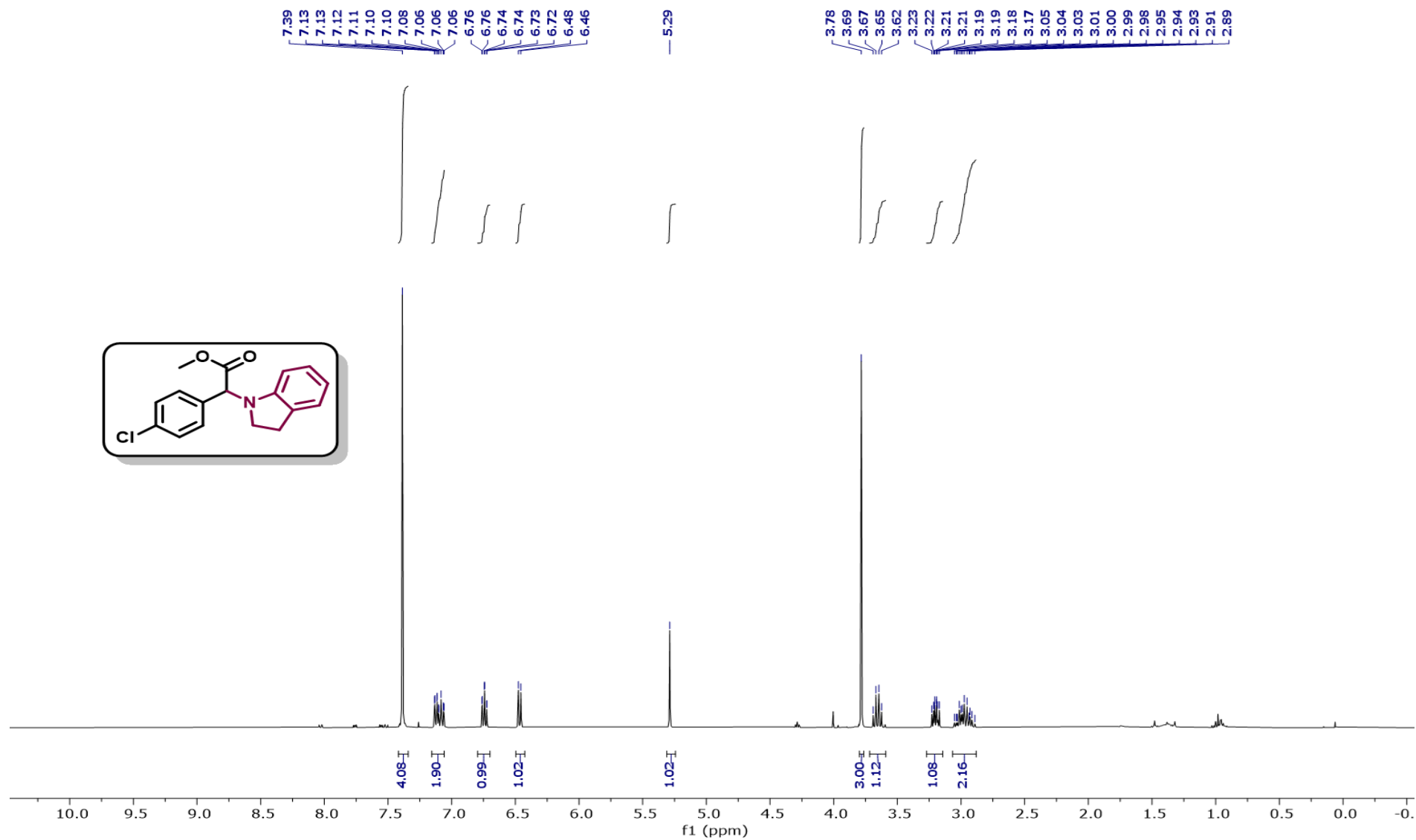


Fig. S149. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-chlorophenyl)-2-(indolin-1-yl)acetate (**8g**).

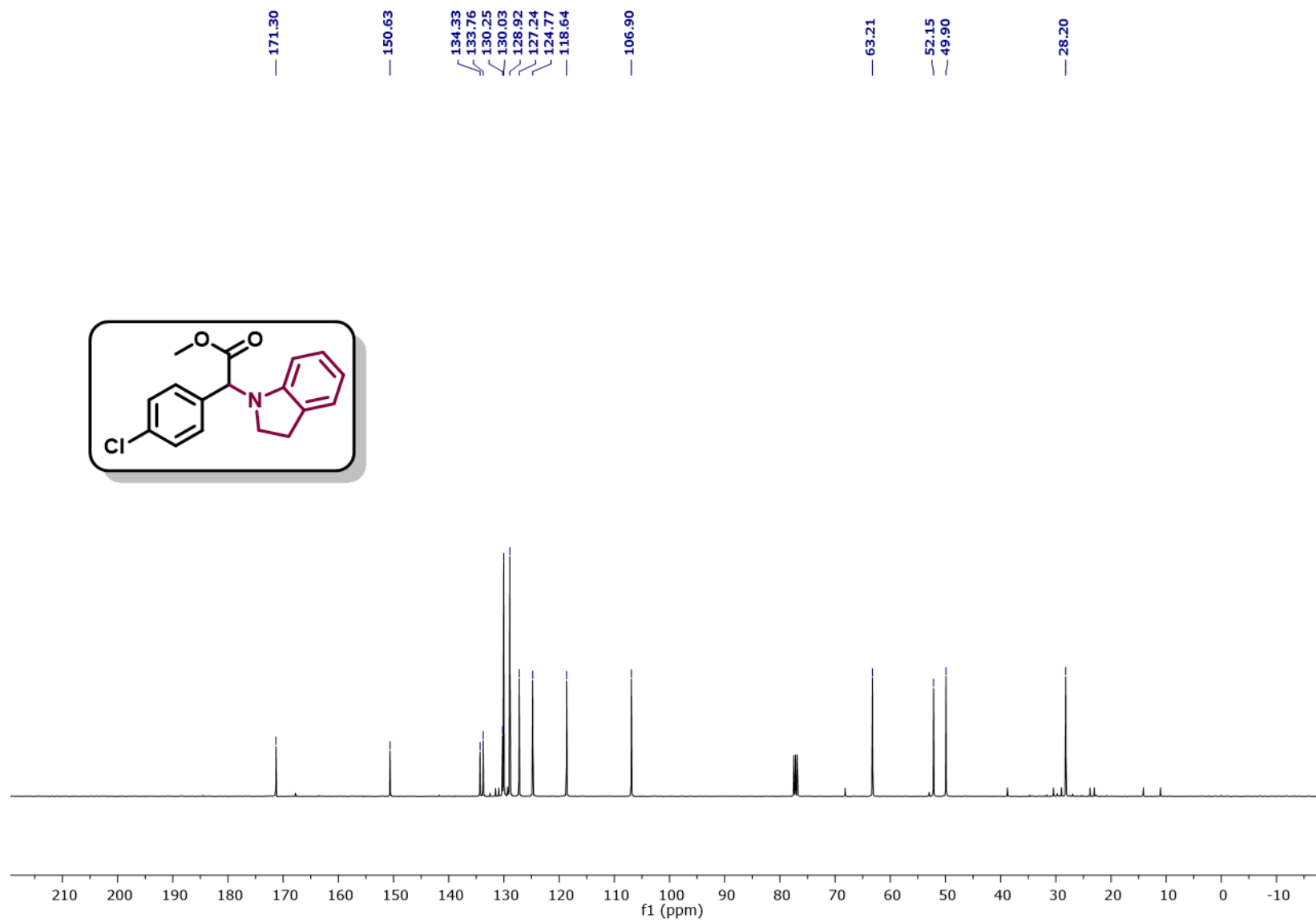


Fig. S150. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 2-(4-chlorophenyl)-2-(indolin-1-yl)acetate (**8g**).

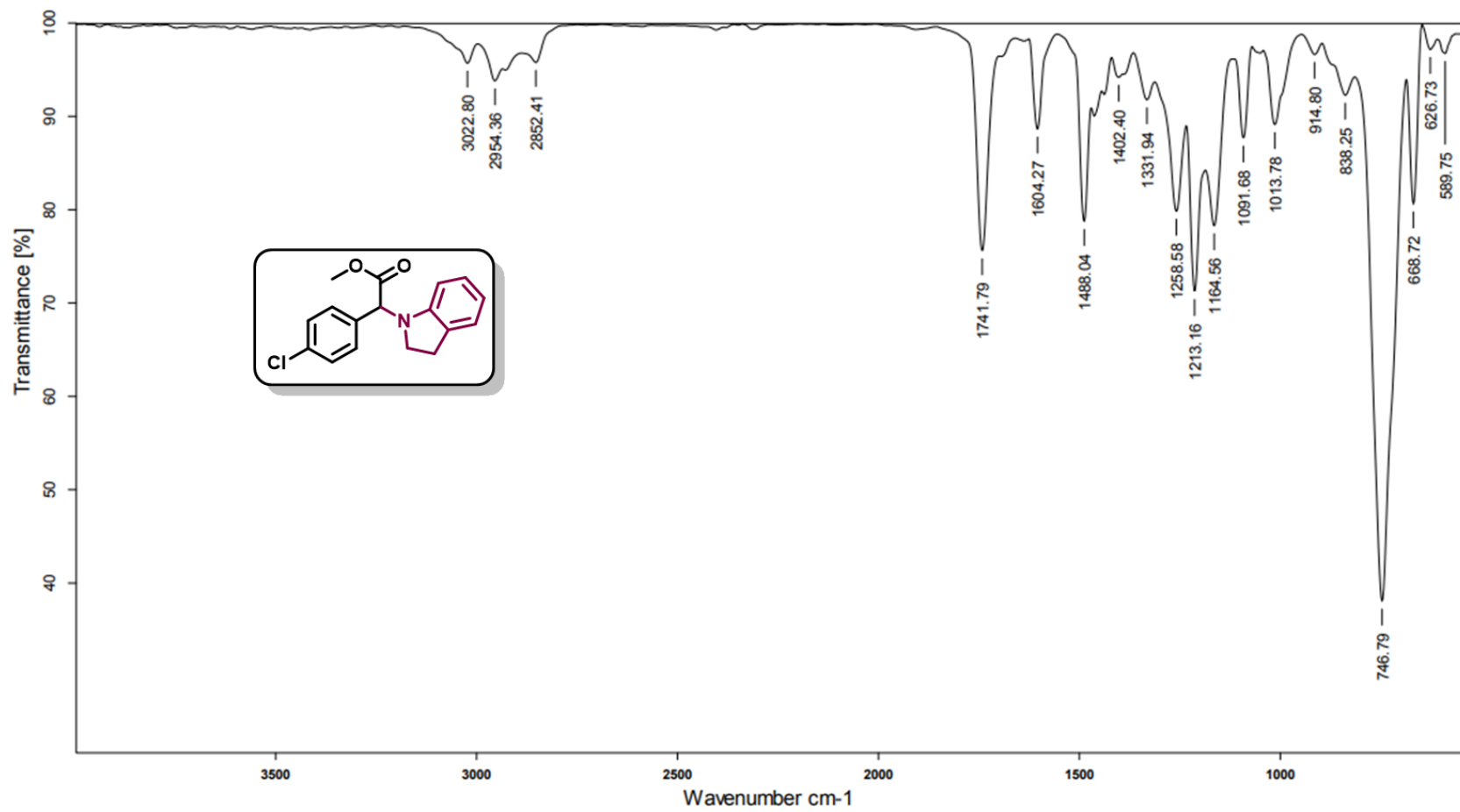


Fig. S151. IR spectra of methyl 2-(4-chlorophenyl)-2-(indolin-1-yl)acetate (**8g**).

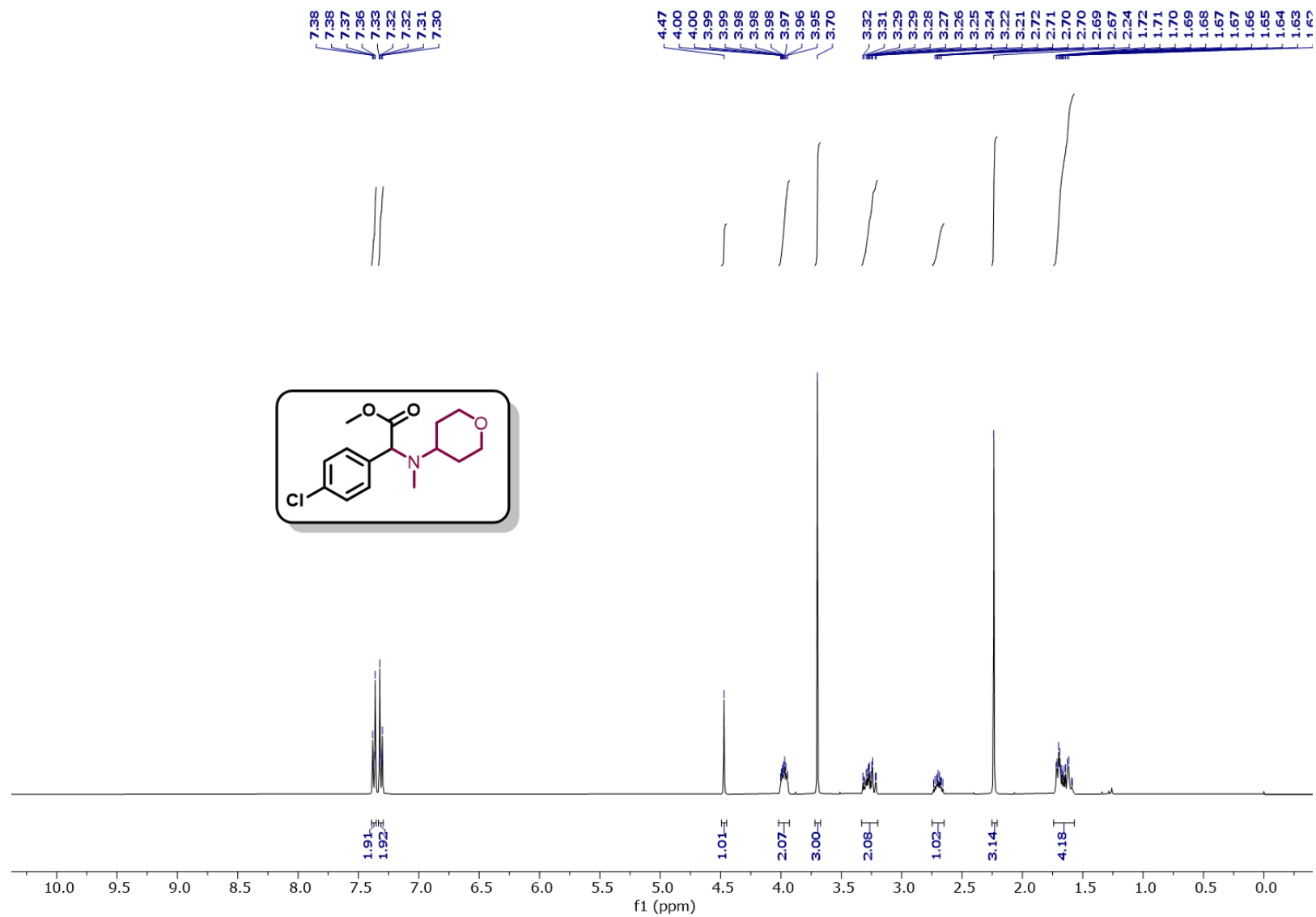


Fig. S152. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-chlorophenyl)-2-(methyl(tetrahydro-2H-pyran-4-yl)amino)acetate (**8h**).

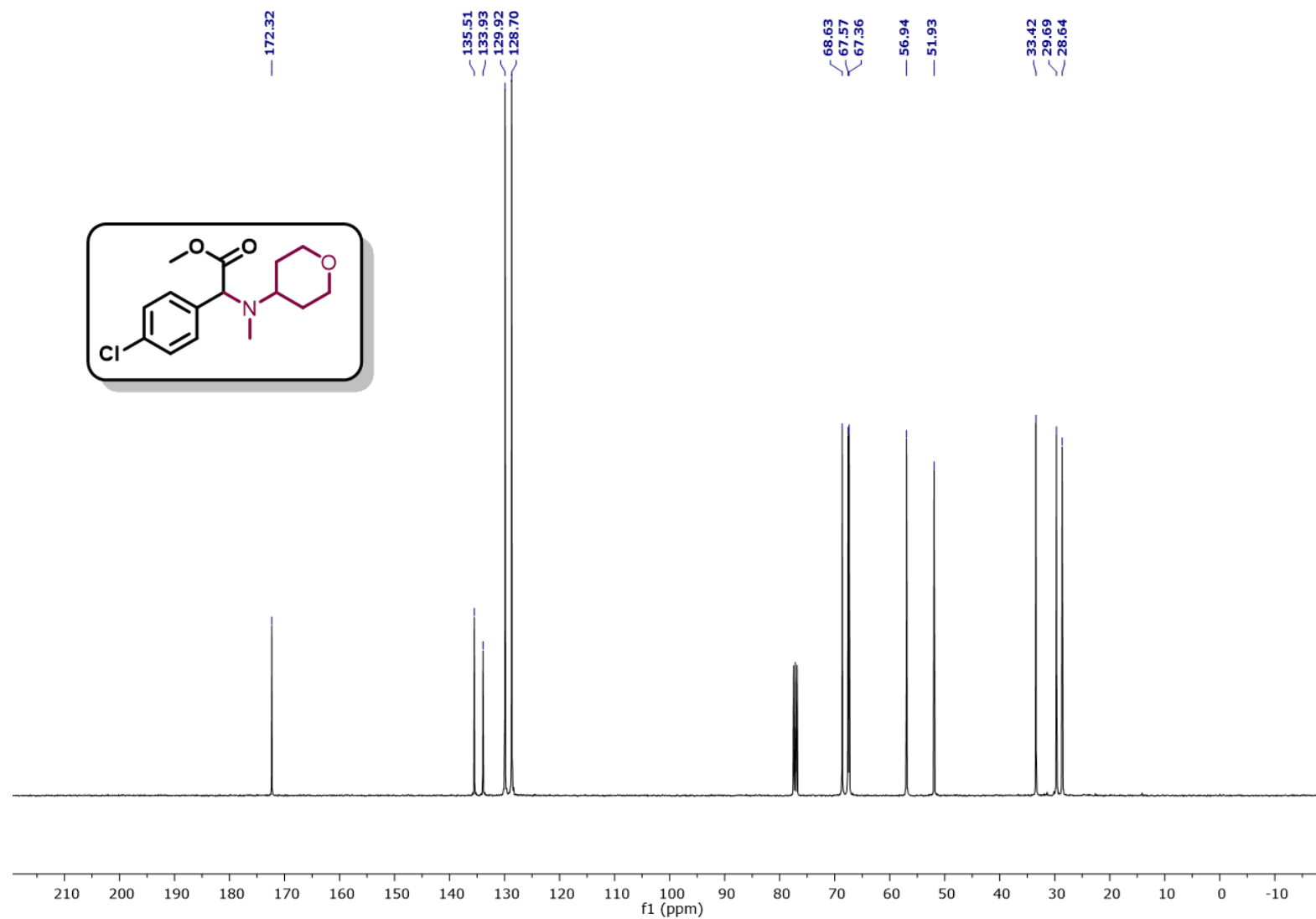


Fig. S153. ¹³C NMR (101 MHz, CDCl₃) spectra of Methyl 2-(4-chlorophenyl)-2-(methyl(tetrahydro-2H-pyran-4-yl)amino)acetate (**8h**).

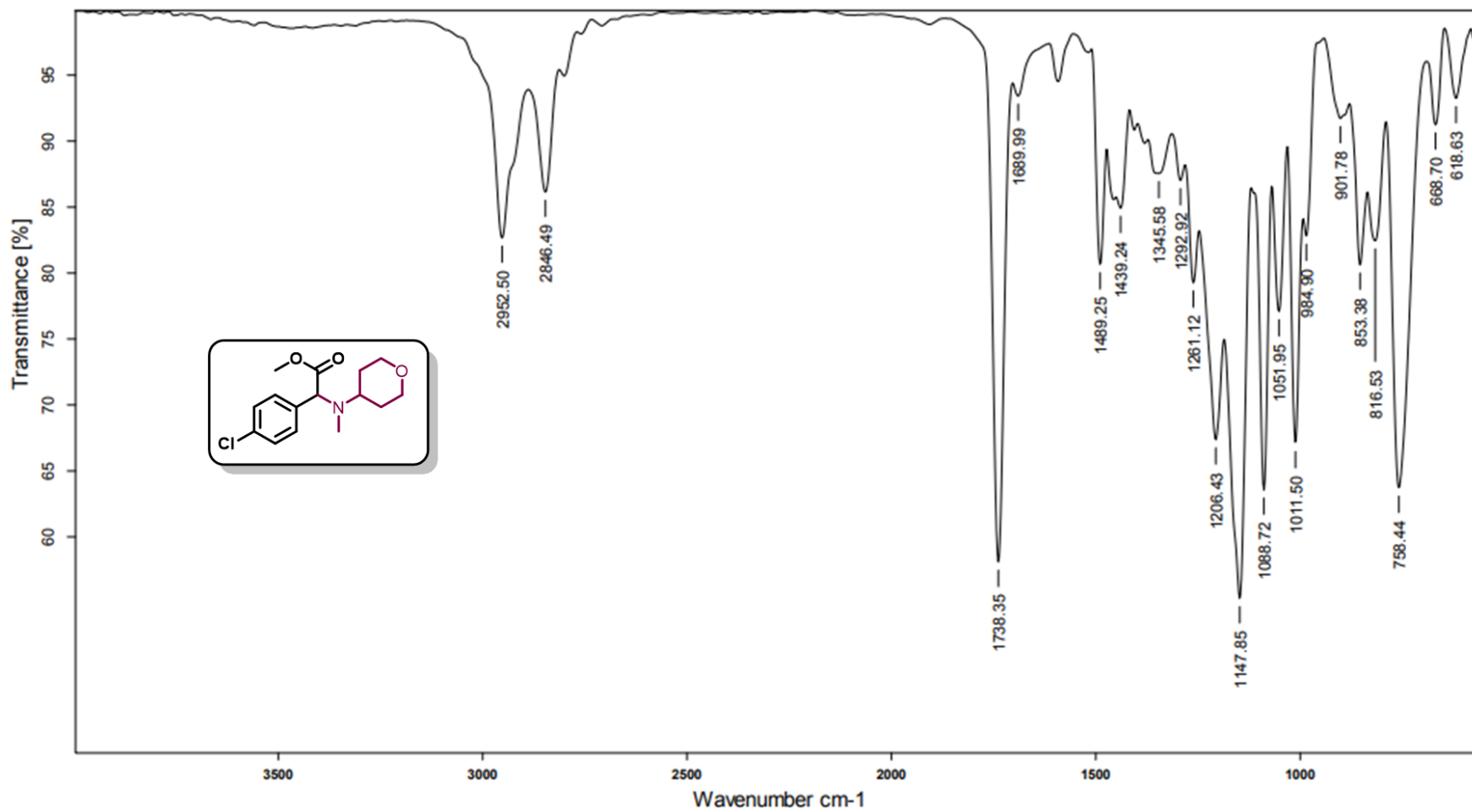


Fig. S154. IR spectra of Methyl 2-(4-chlorophenyl)-2-(methyl(tetrahydro-2H-pyran-4-yl)amino)acetate (**8h**).

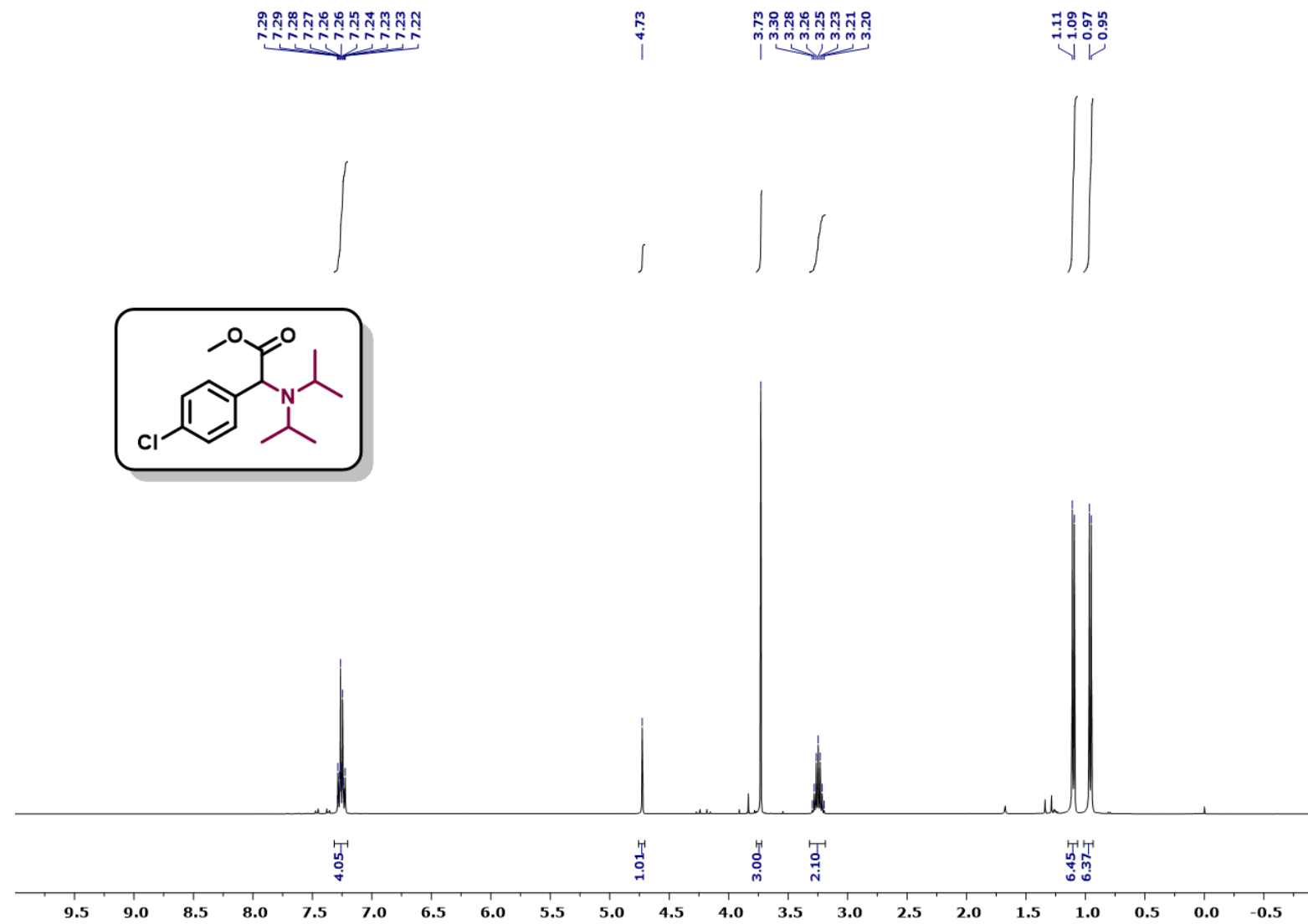


Fig. S155. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-chlorophenyl)-2-(diisopropylamino)acetate (**8i**).

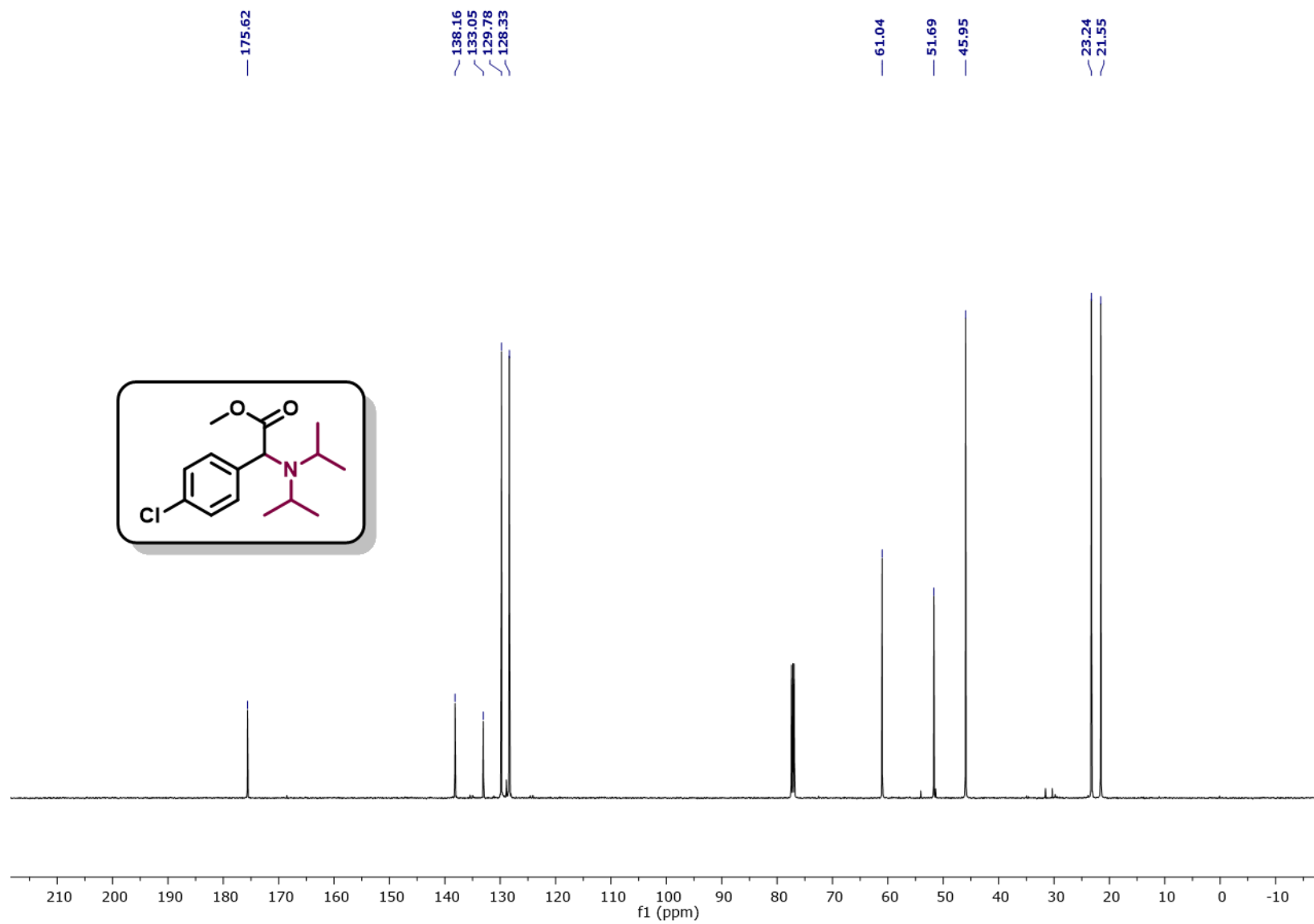


Fig. S156. ¹³C NMR (126 MHz, CDCl₃) spectra of methyl 2-(4-chlorophenyl)-2-(diisopropylamino)acetate (**8i**).

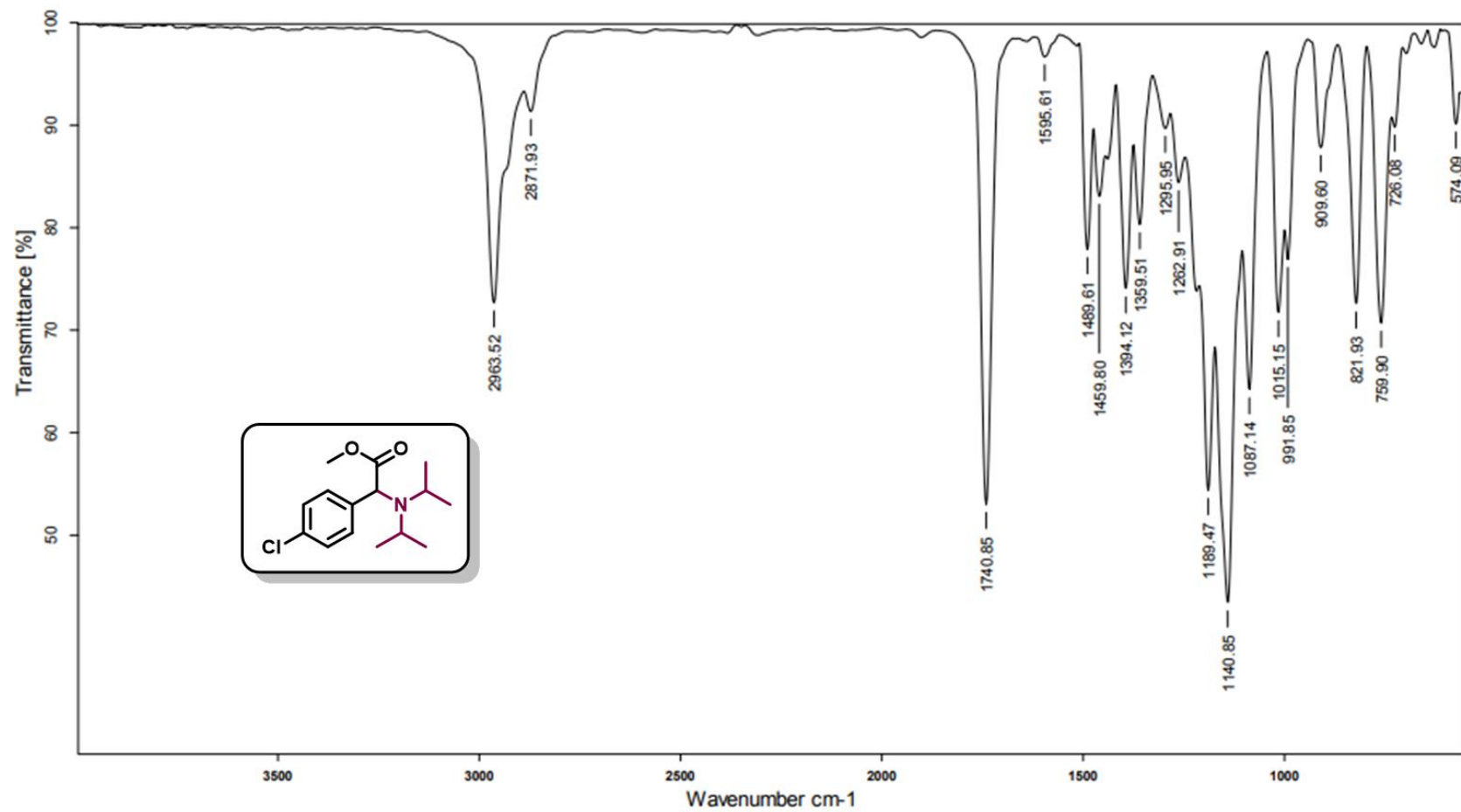


Fig. S157. IR spectra of methyl 2-(4-chlorophenyl)-2-(diisopropylamino)acetate (**8i**).

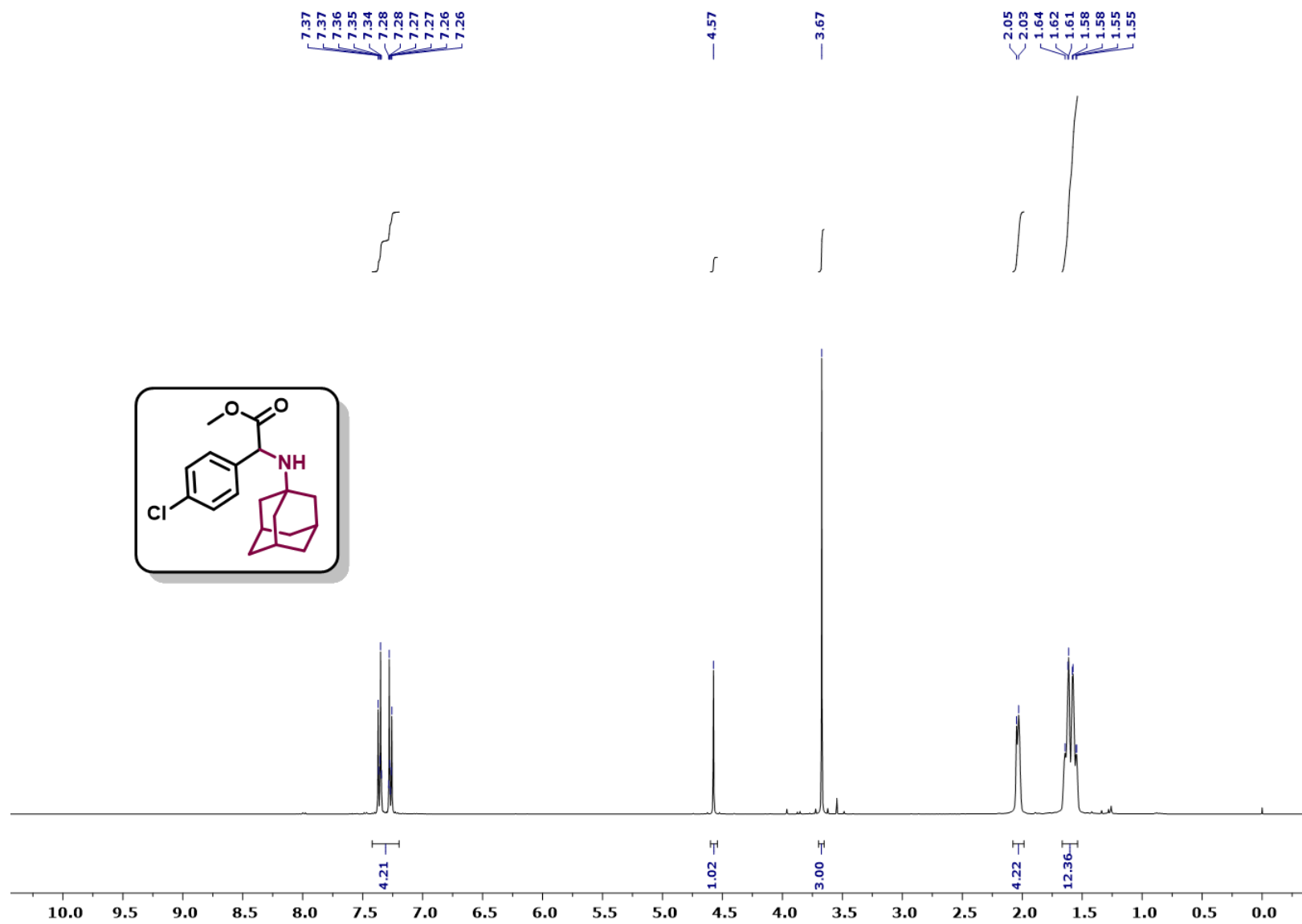


Fig. S158. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(((3s,5s,7s)-adamantan-1-yl)amino)-2-(4-chlorophenyl)acetate (**8j**).

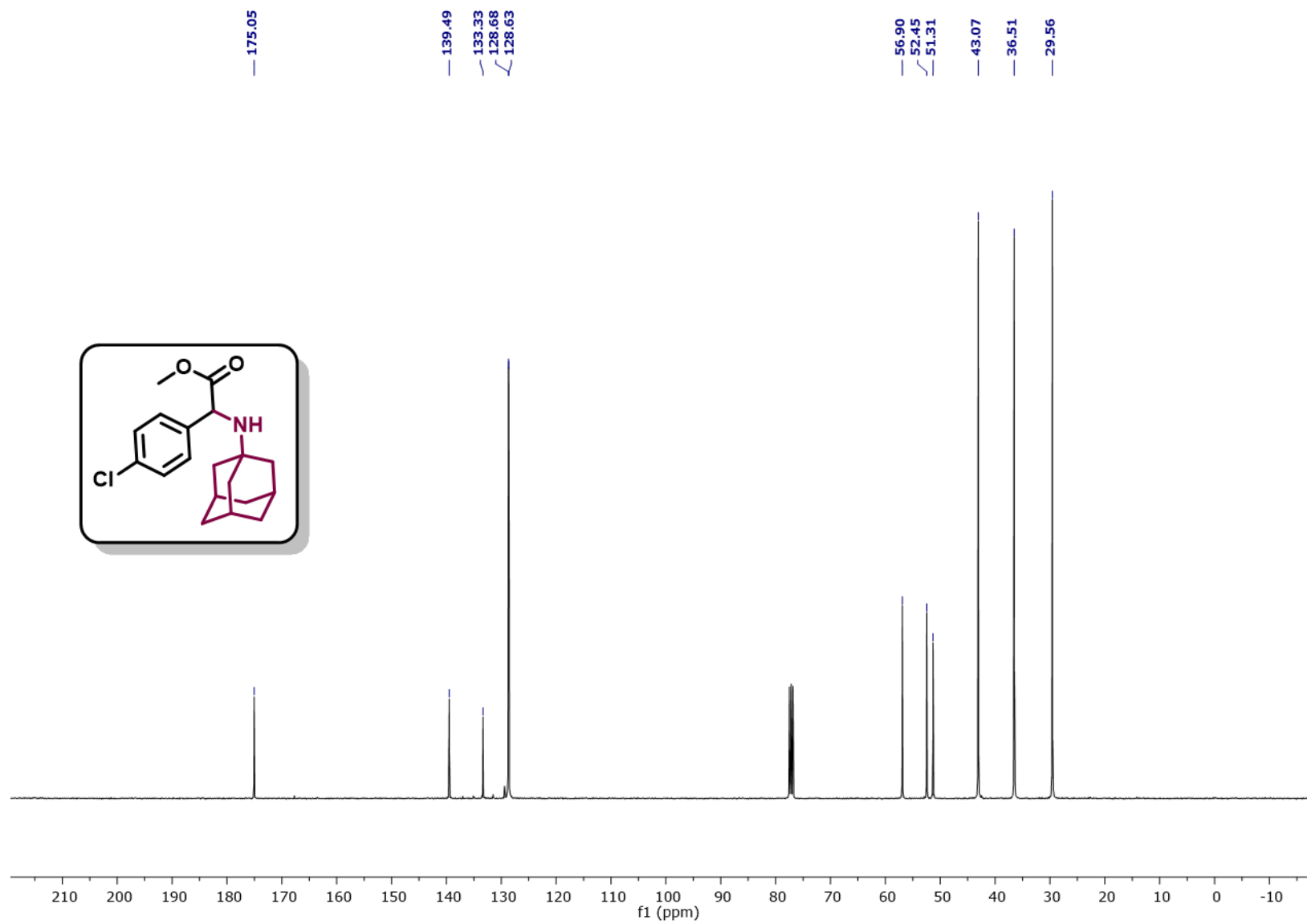


Fig. S159. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 2-(((3s,5s,7s)-adamantan-1-yl)amino)-2-(4-chlorophenyl)acetate (**8j**).

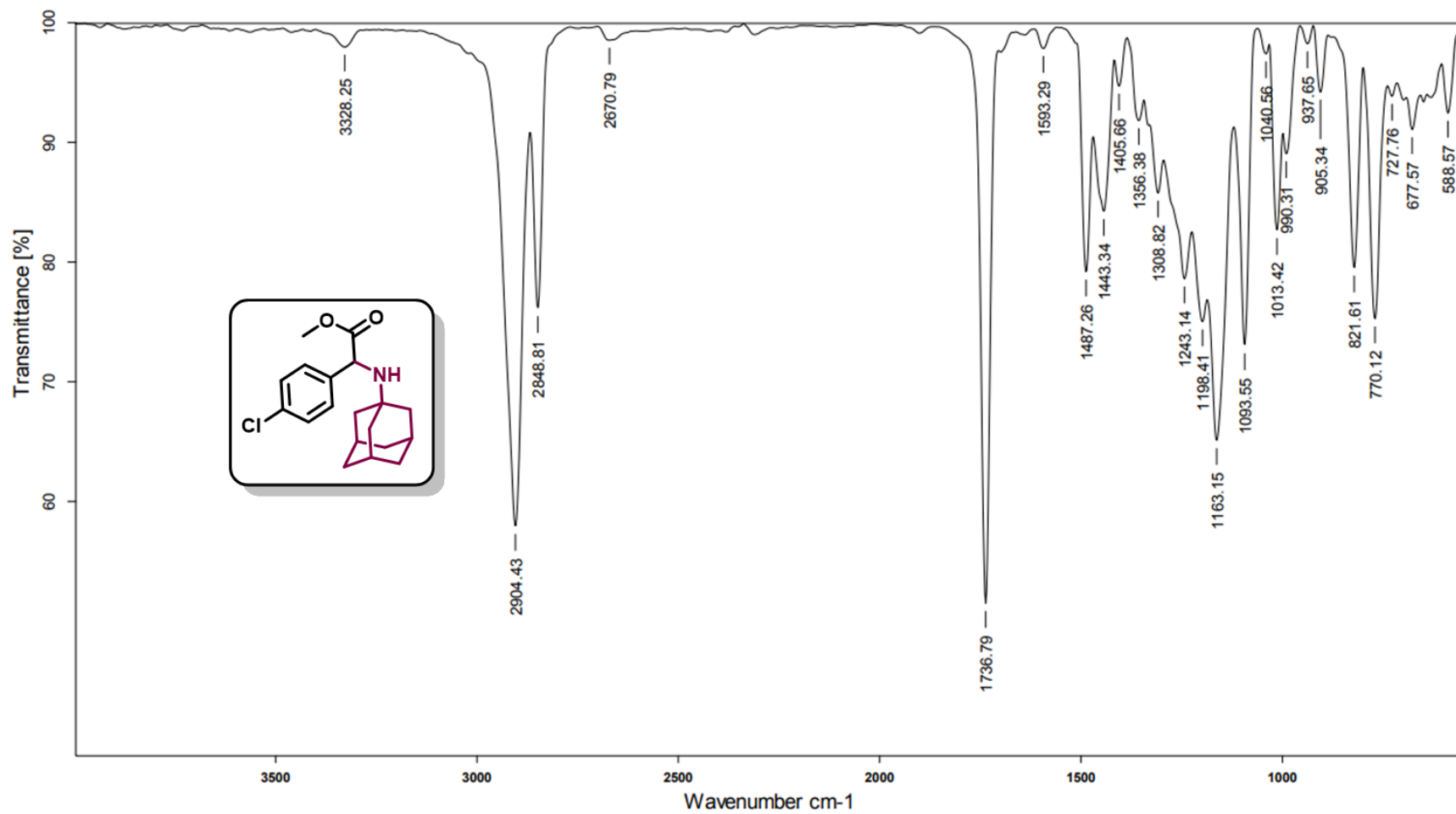


Fig. S160. IR spectra of methyl 2-(((3s,5s,7s)-adamantan-1-yl)amino)-2-(4-chlorophenyl)acetate (**8j**).

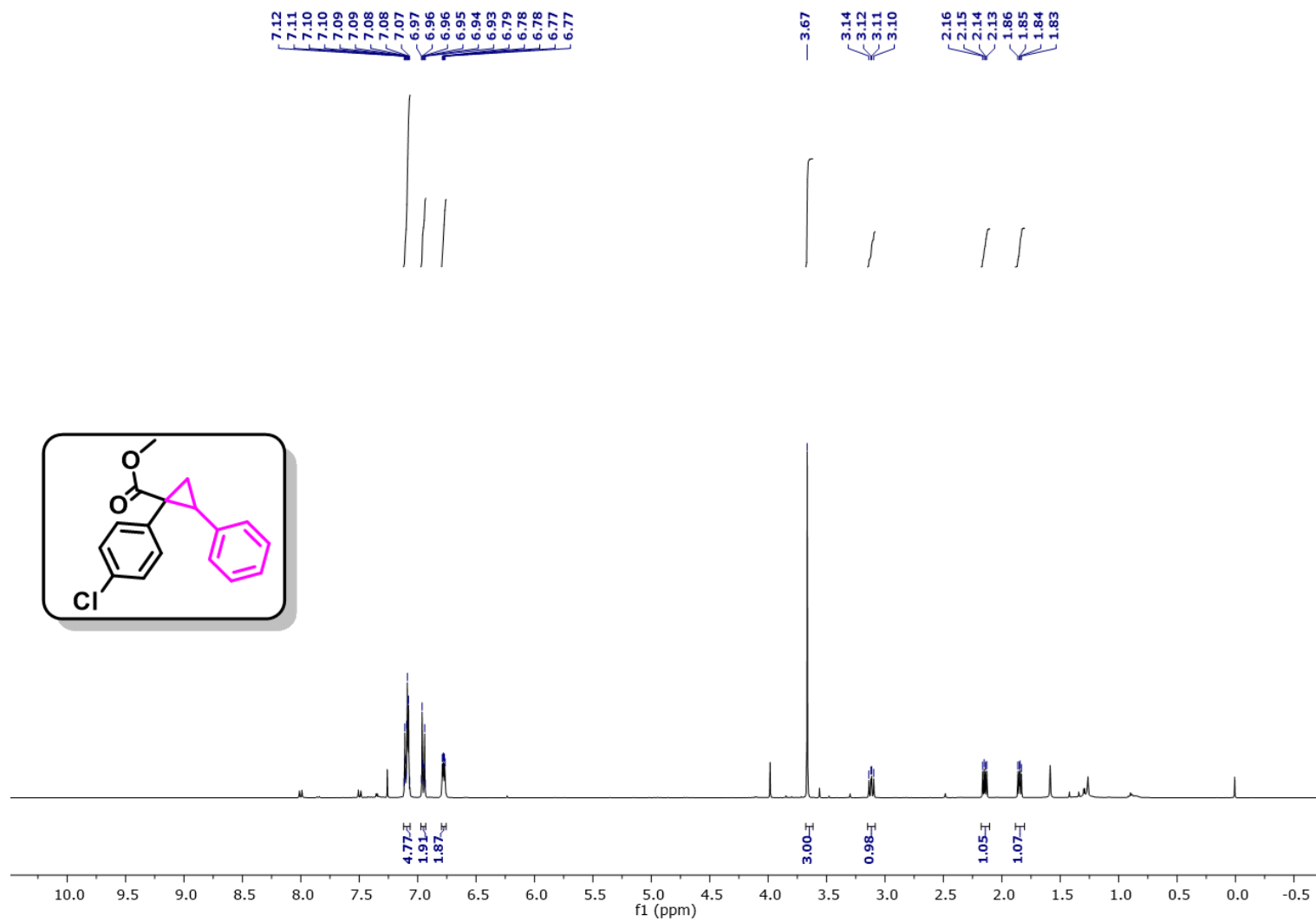


Fig. S161. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 1-(4-chlorophenyl)-2-phenylcyclopropane-1-carboxylate (**10a**).

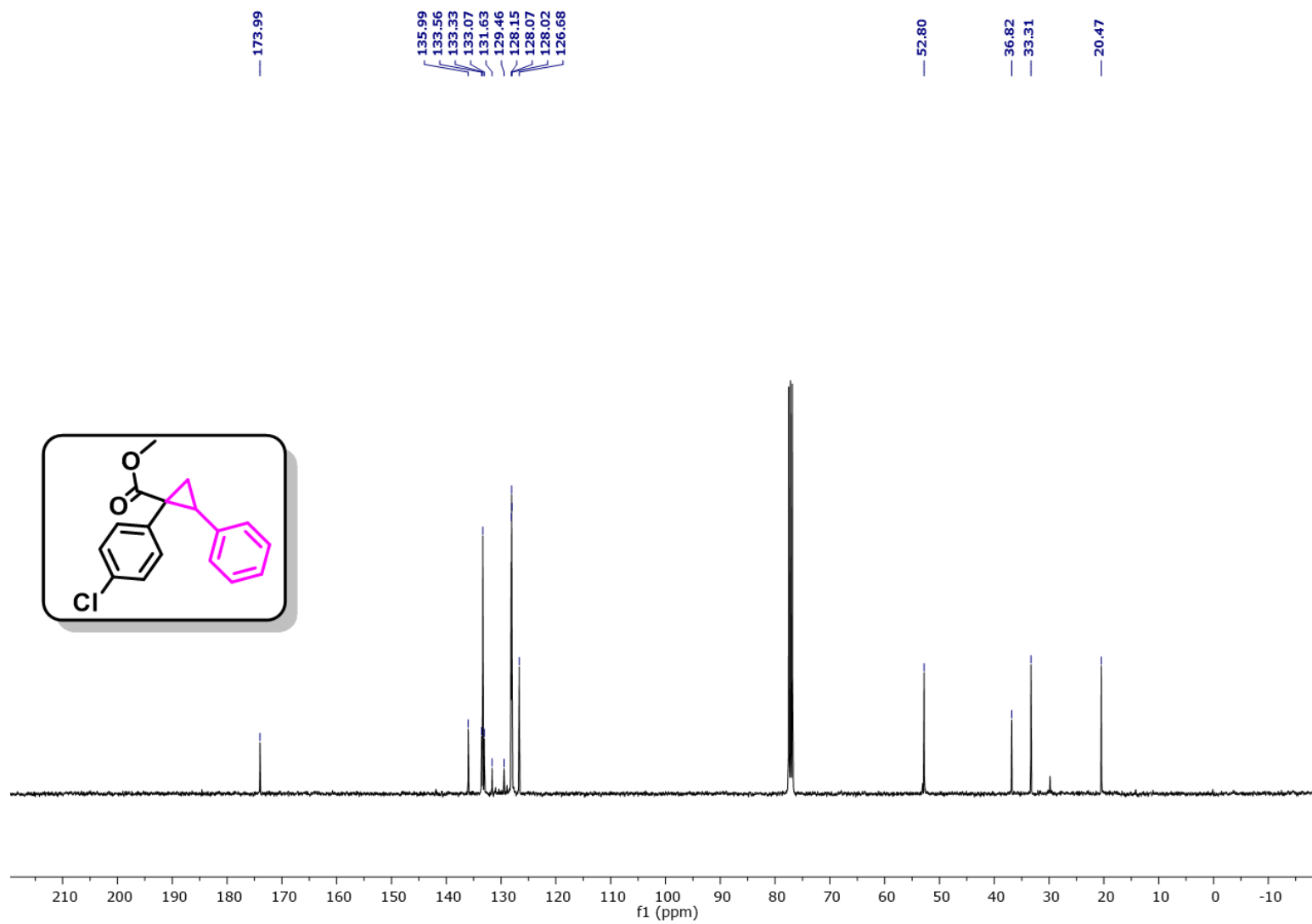


Fig. S162. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 1-(4-chlorophenyl)-2-phenylcyclopropane-1-carboxylate (**10a**).

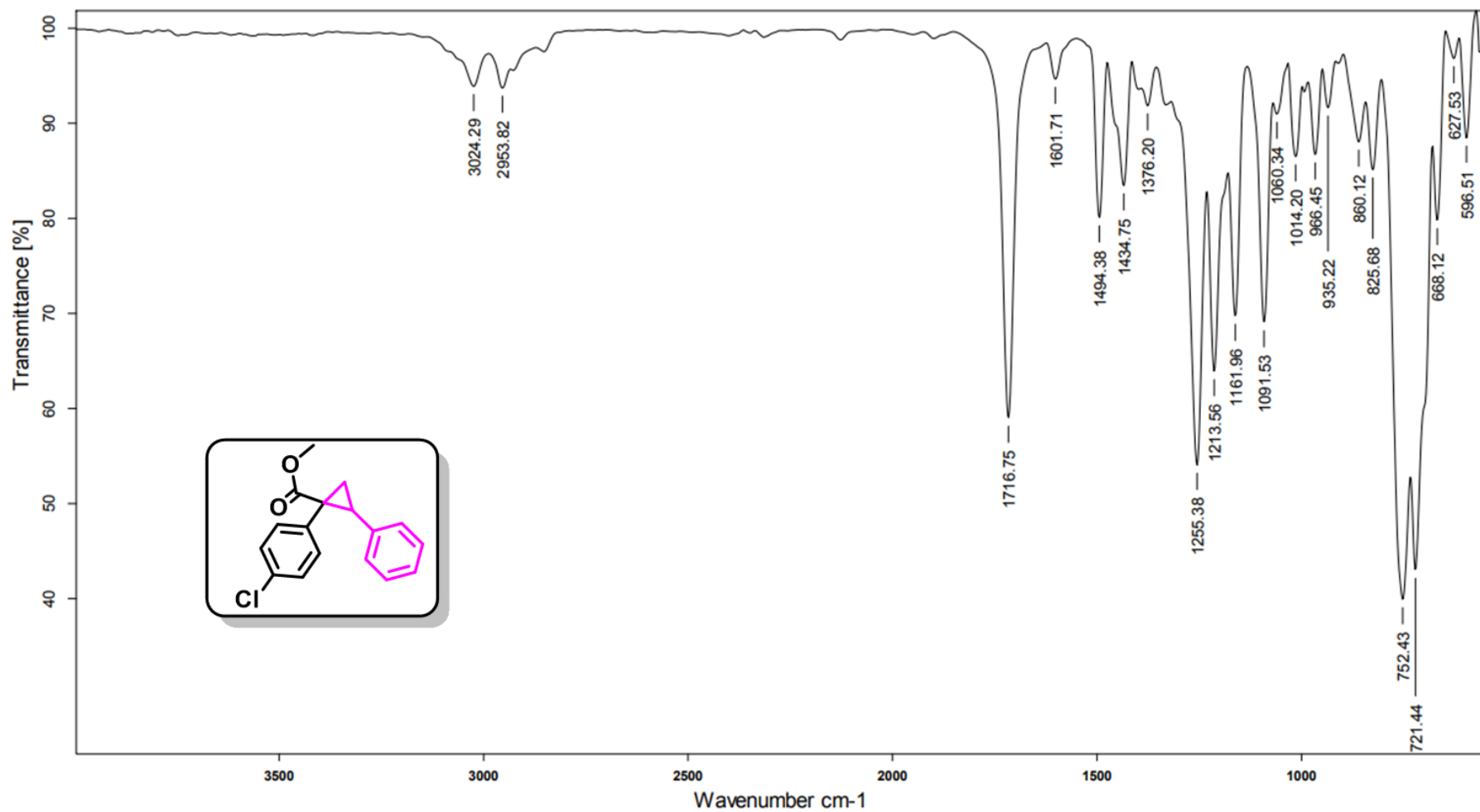


Fig. S163. IR spectra of spectra of methyl 1-(4-chlorophenyl)-2-phenylcyclopropane-1-carboxylate (**10a**).

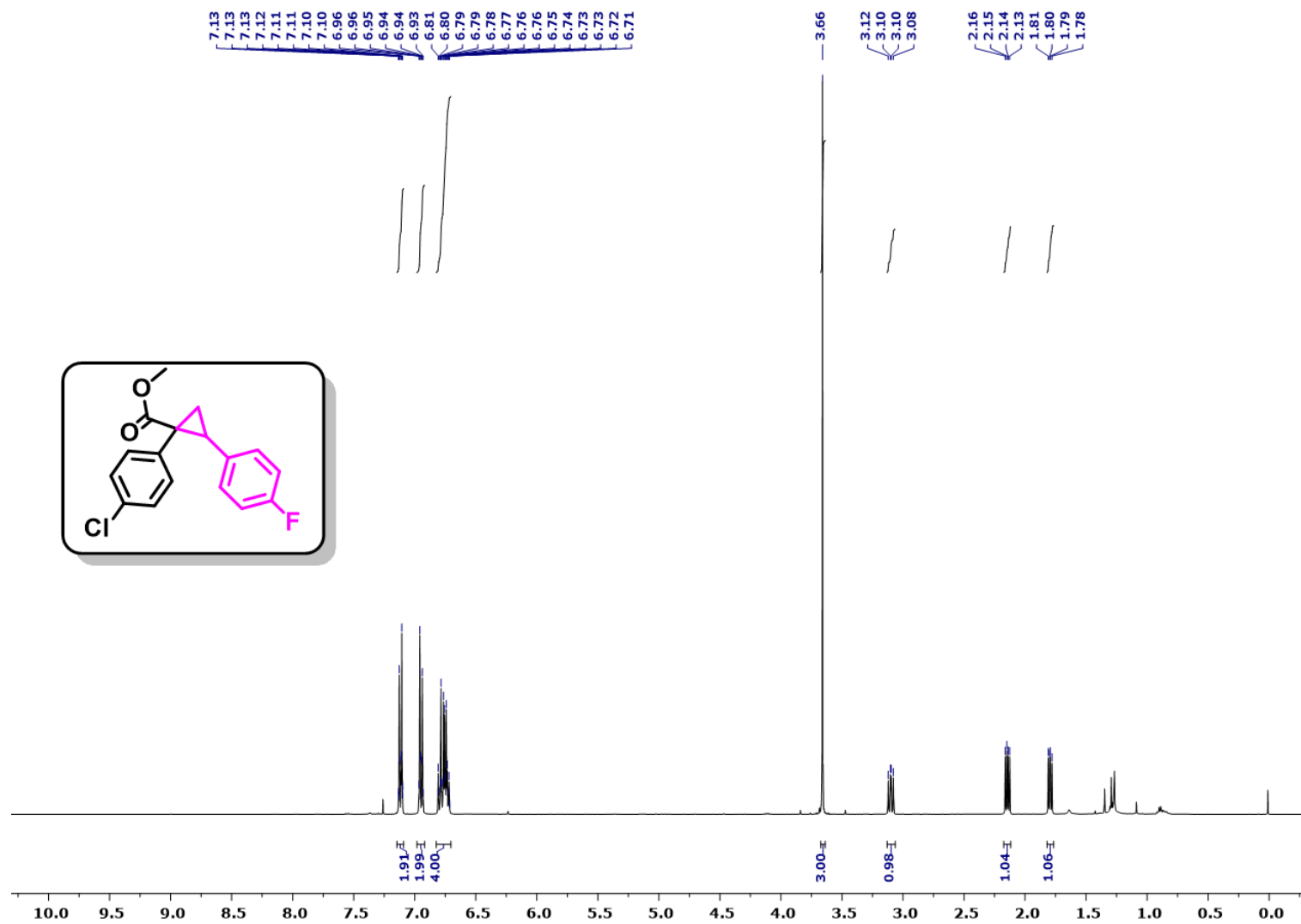


Fig. S164. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 1-(4-chlorophenyl)-2-(4-fluorophenyl)cyclopropane-1-carboxylate (**10b**).

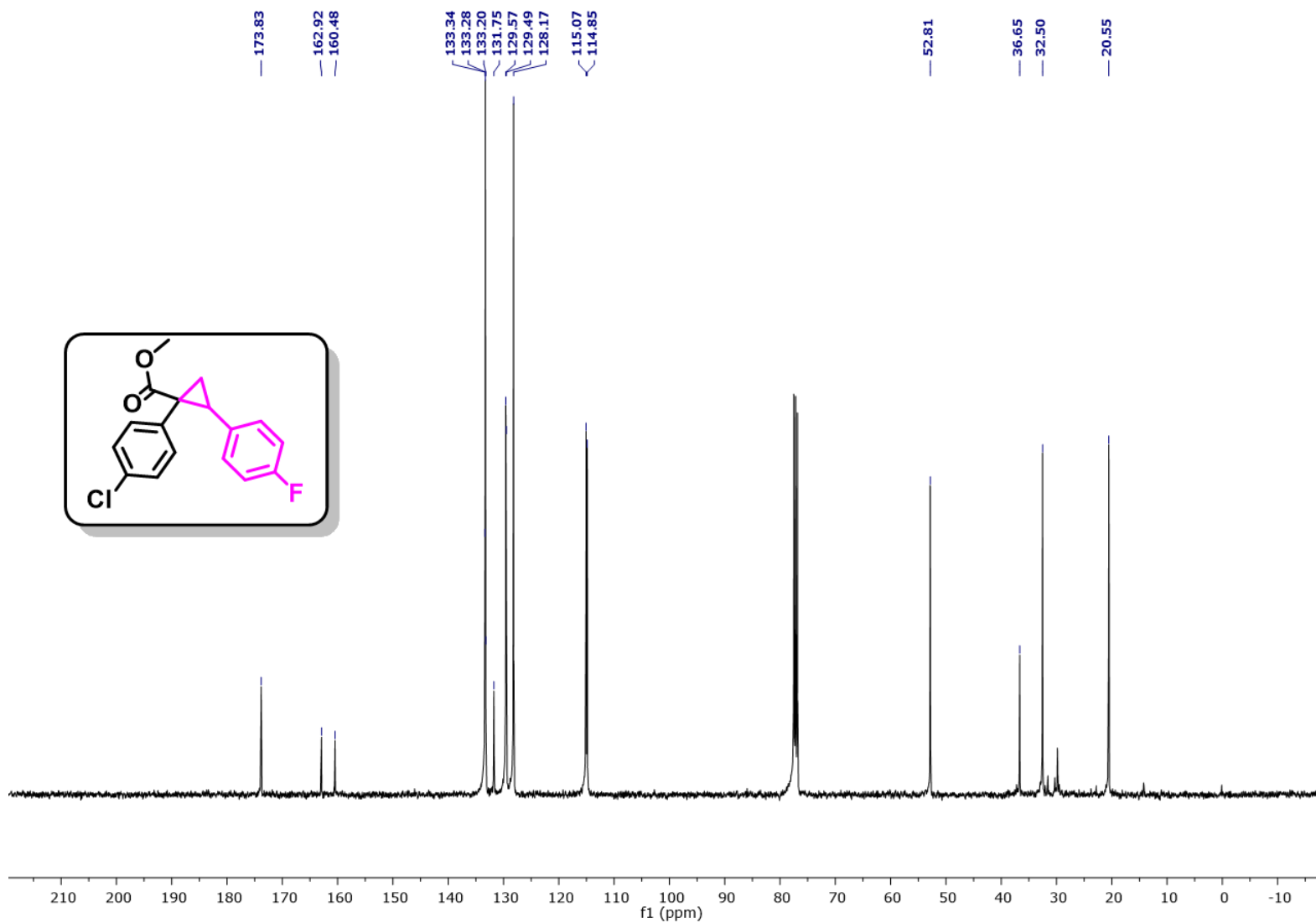


Fig. S165. ¹³C NMR (101 MHz, CDCl₃) spectra of methyl 1-(4-chlorophenyl)-2-(4-fluorophenyl)cyclopropane-1-carboxylate (**10b**).

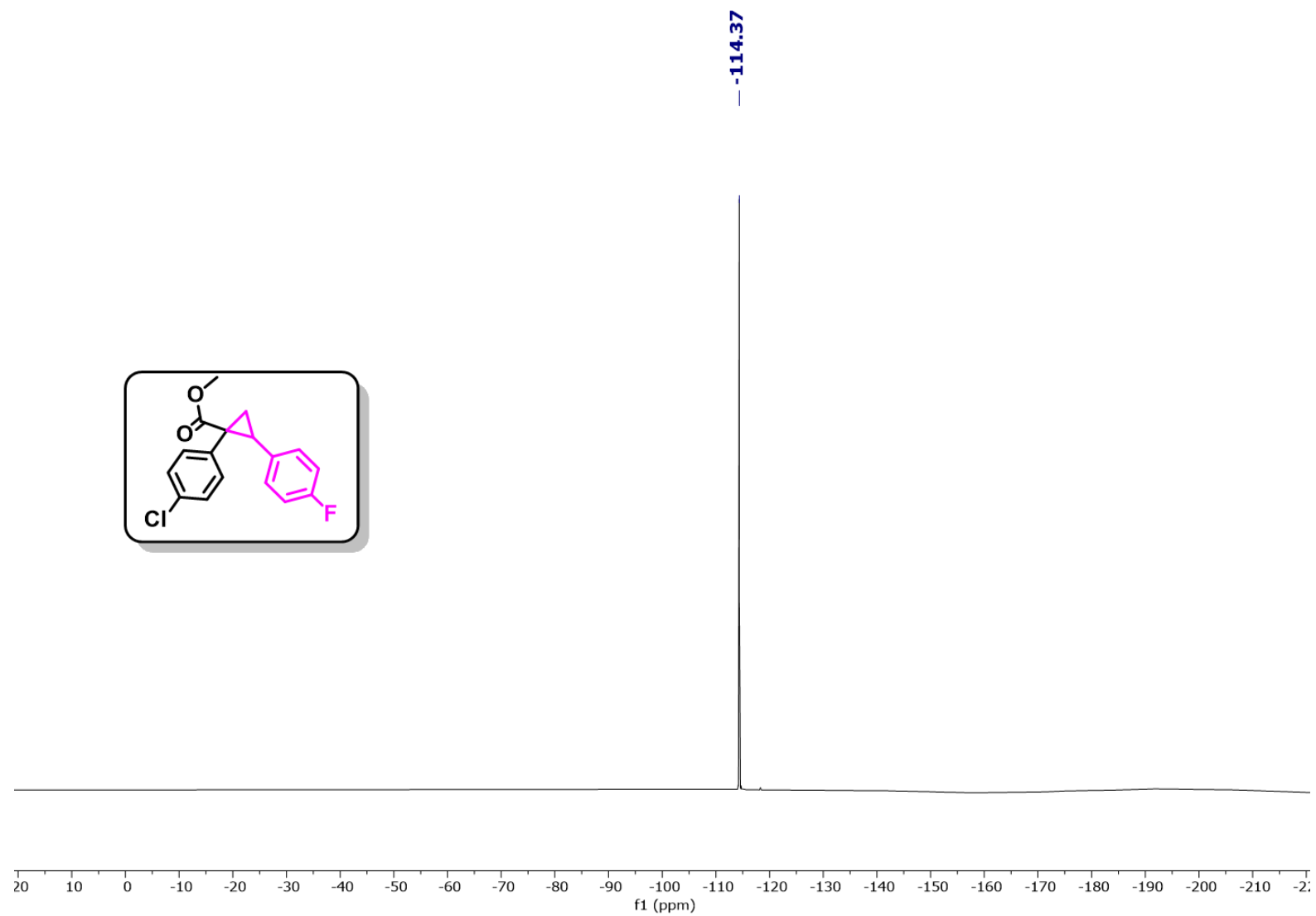


Fig. S166. ^{19}F NMR (471 MHz, CDCl_3) spectra of methyl 1-(4-chlorophenyl)-2-(4-fluorophenyl)cyclopropane-1-carboxylate (**10b**).

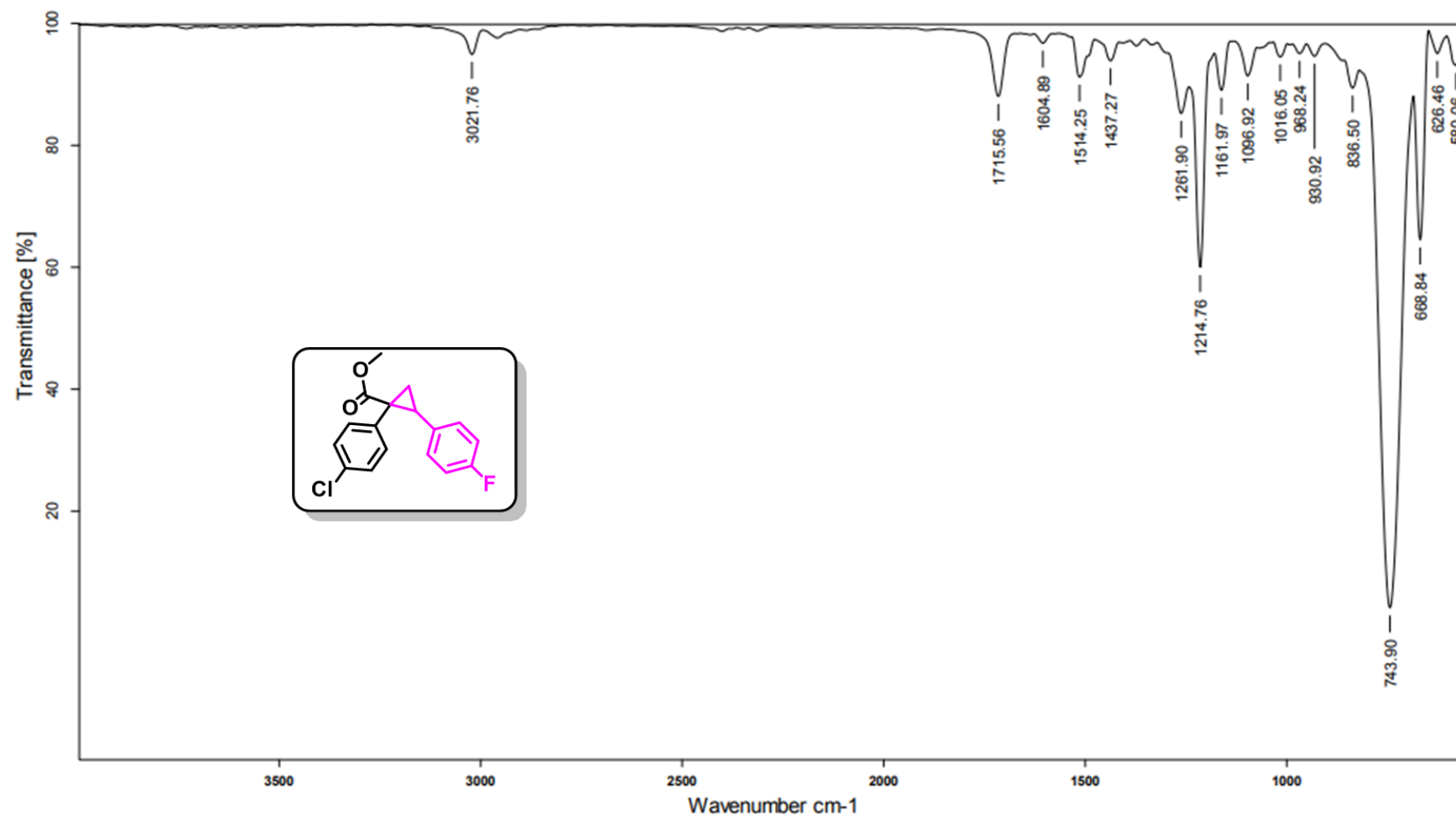


Fig. S167. IR spectra of spectra of methyl 1-(4-chlorophenyl)-2-(4-fluorophenyl)cyclopropane-1-carboxylate (**10b**).

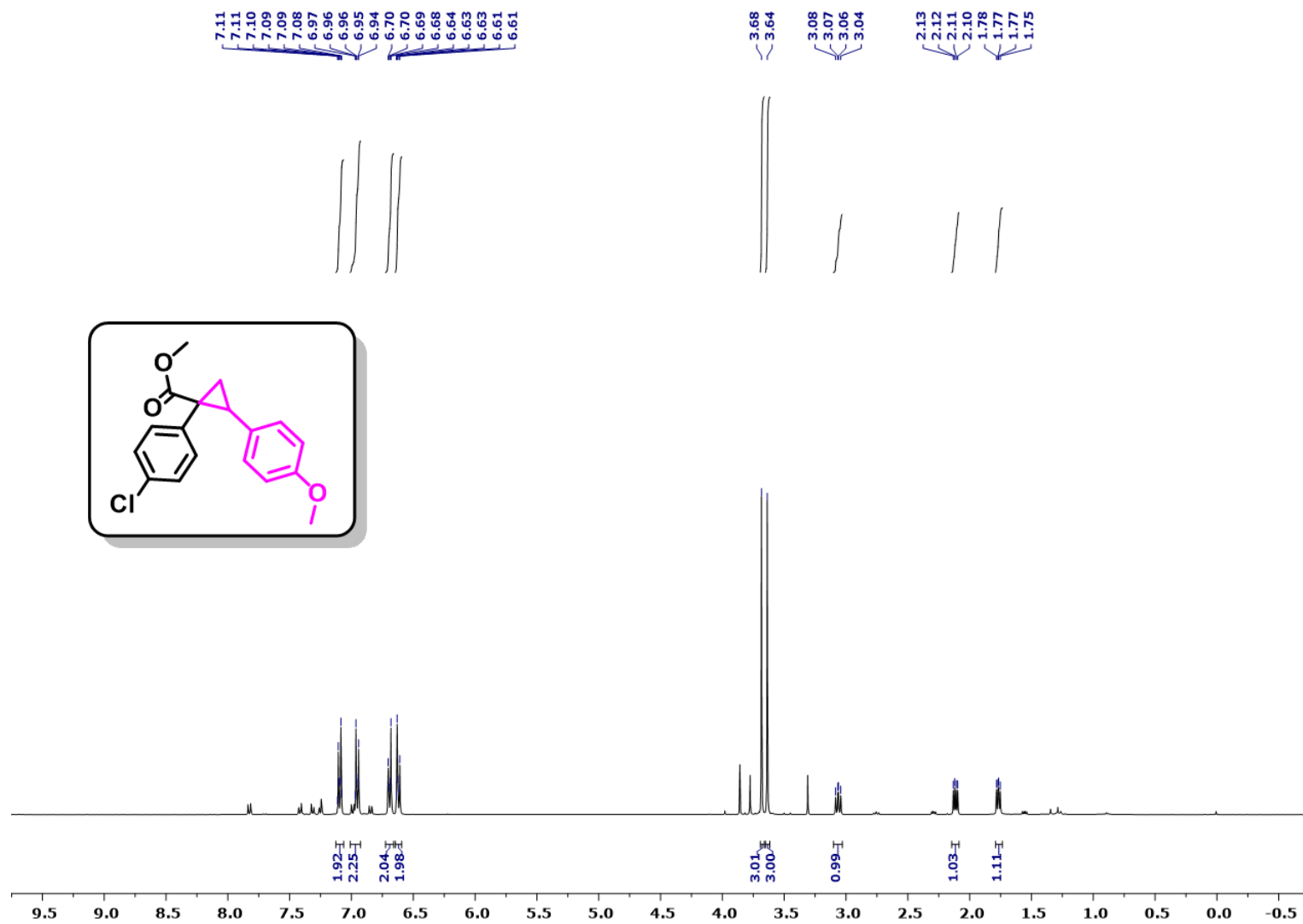


Fig. S168. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 1-(4-chlorophenyl)-2-(4-methoxyphenyl)cyclopropane-1-carboxylate (**10c**).

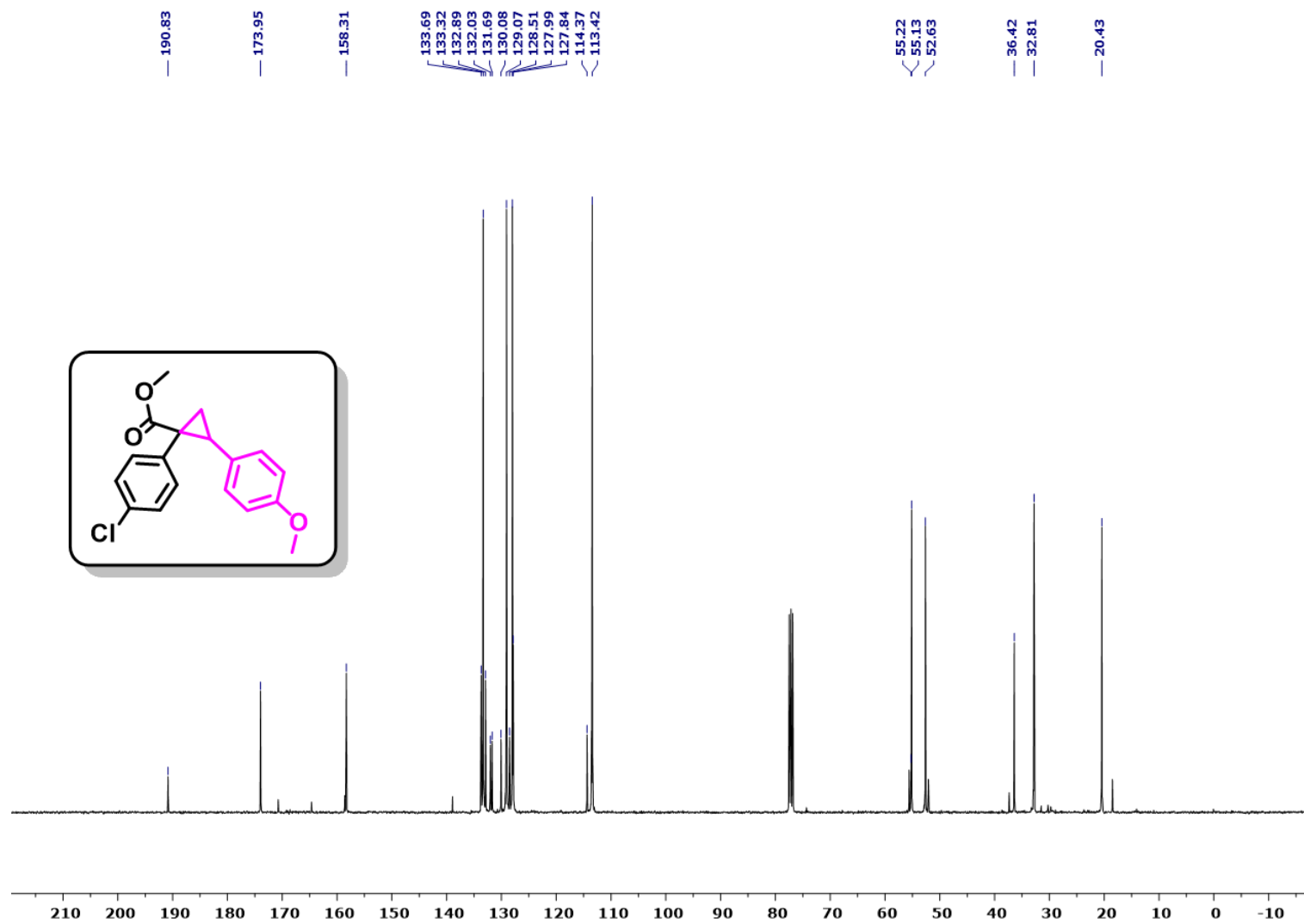


Fig. S169. ¹³C NMR (101 MHz, CDCl₃) spectra of methyl 1-(4-chlorophenyl)-2-(4-methoxyphenyl)cyclopropane-1-carboxylate (**10c**).

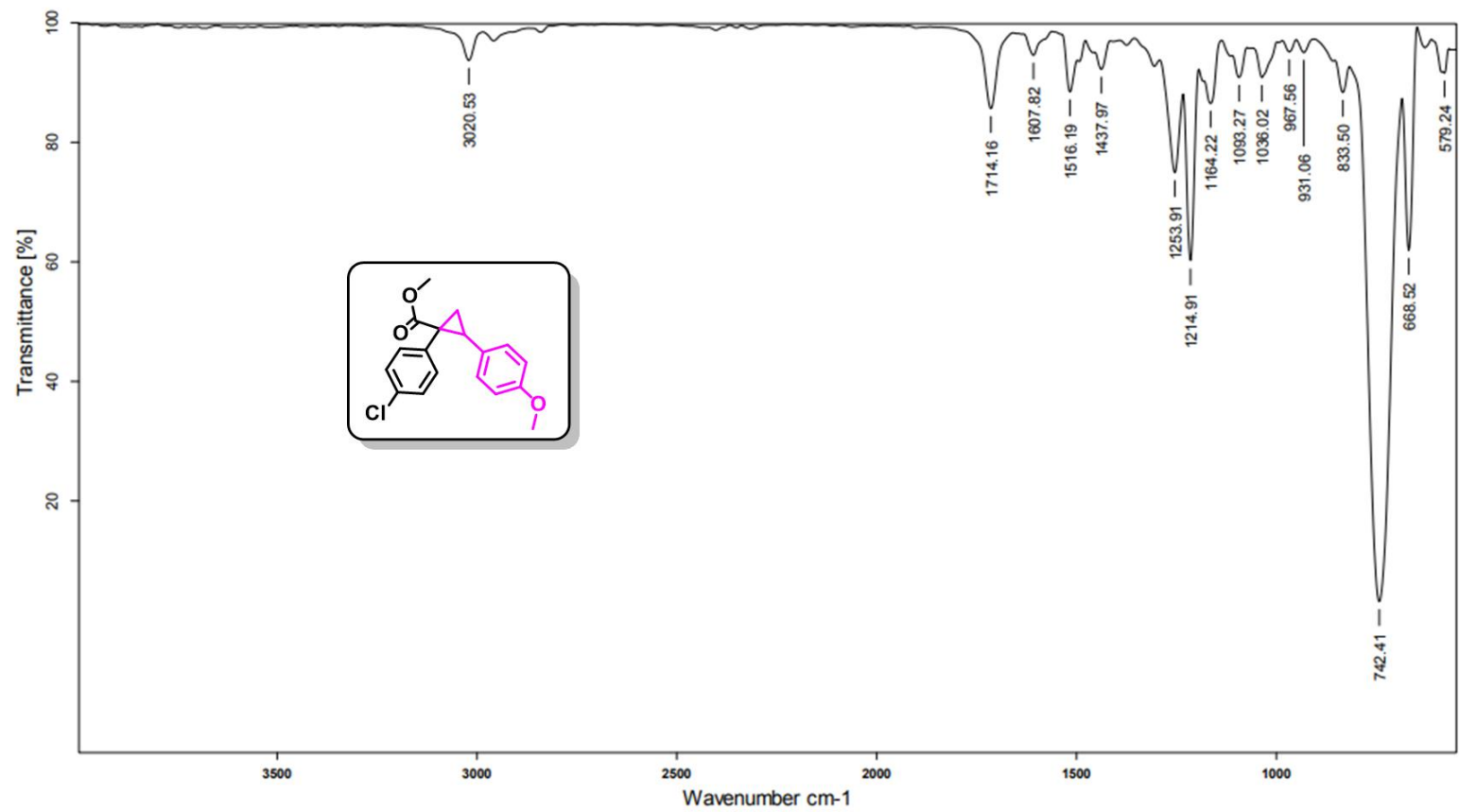


Fig. S170. IR spectra of spectra of methyl 1-(4-chlorophenyl)-2-(4-methoxyphenyl)cyclopropane-1-carboxylate (**10c**).

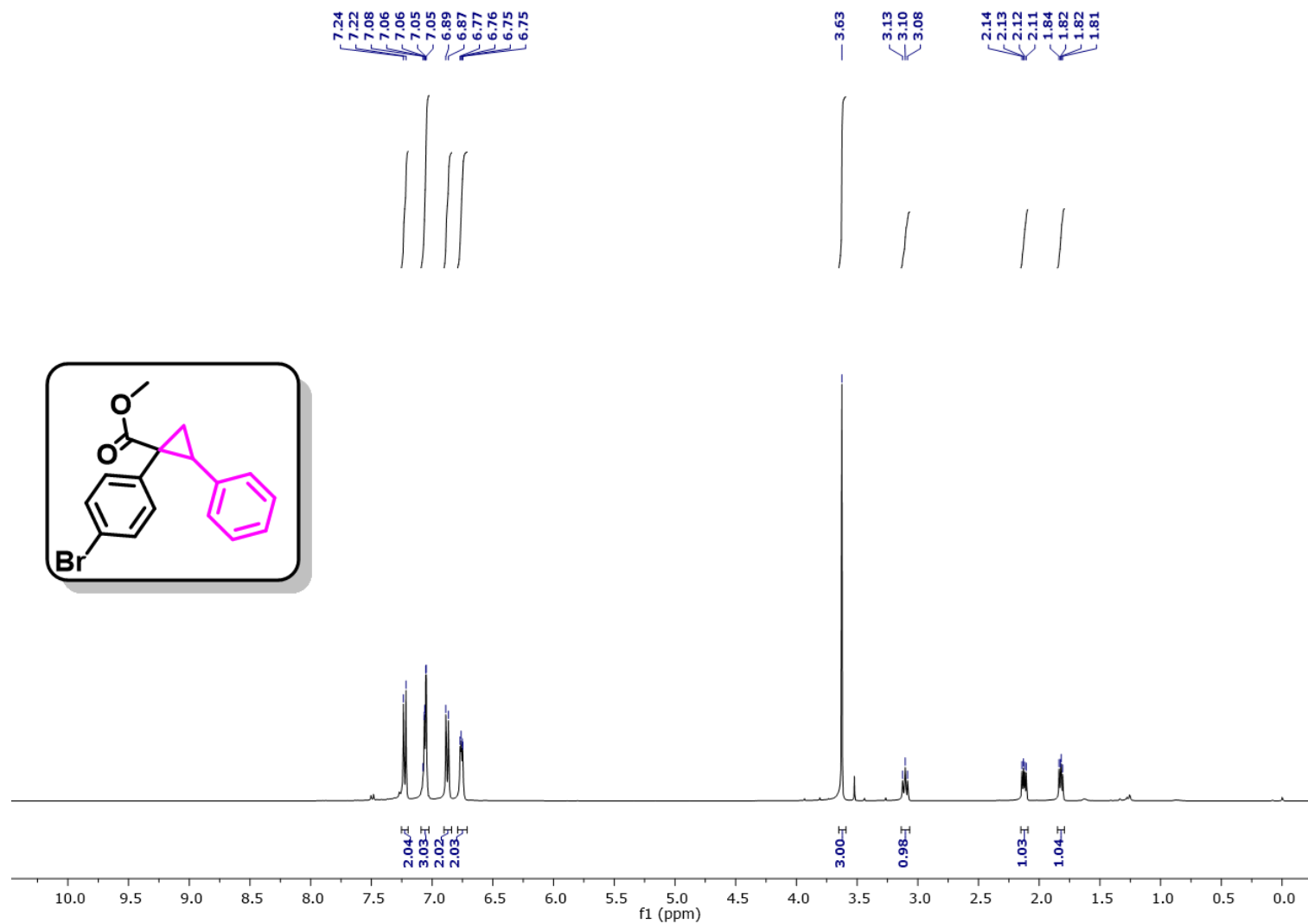


Fig. S171. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 1-(4-bromophenyl)-2-phenylcyclopropane-1-carboxylate (**10d**).

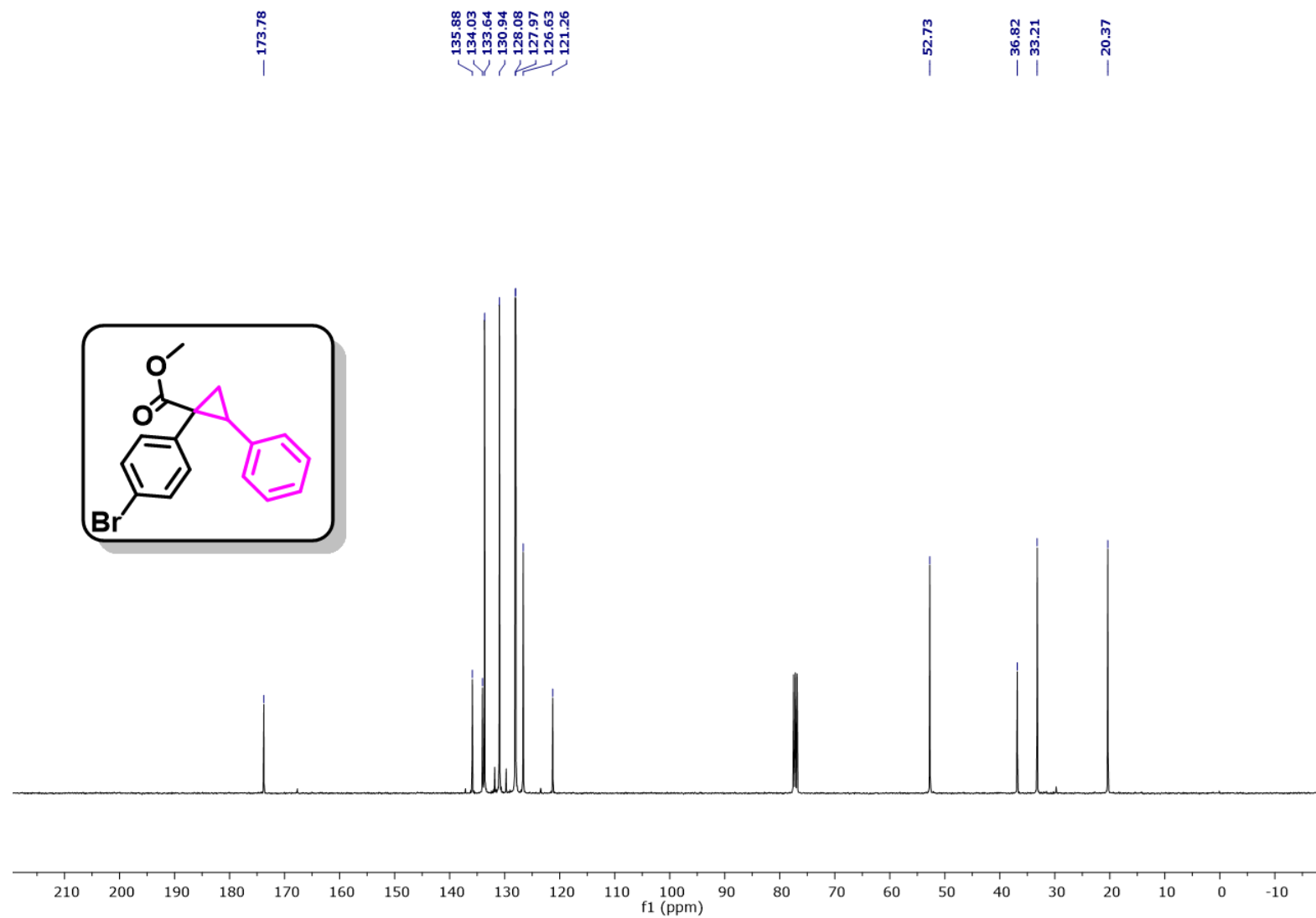


Fig. S172. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 1-(4-bromophenyl)-2-phenylcyclopropane-1-carboxylate (**10d**).

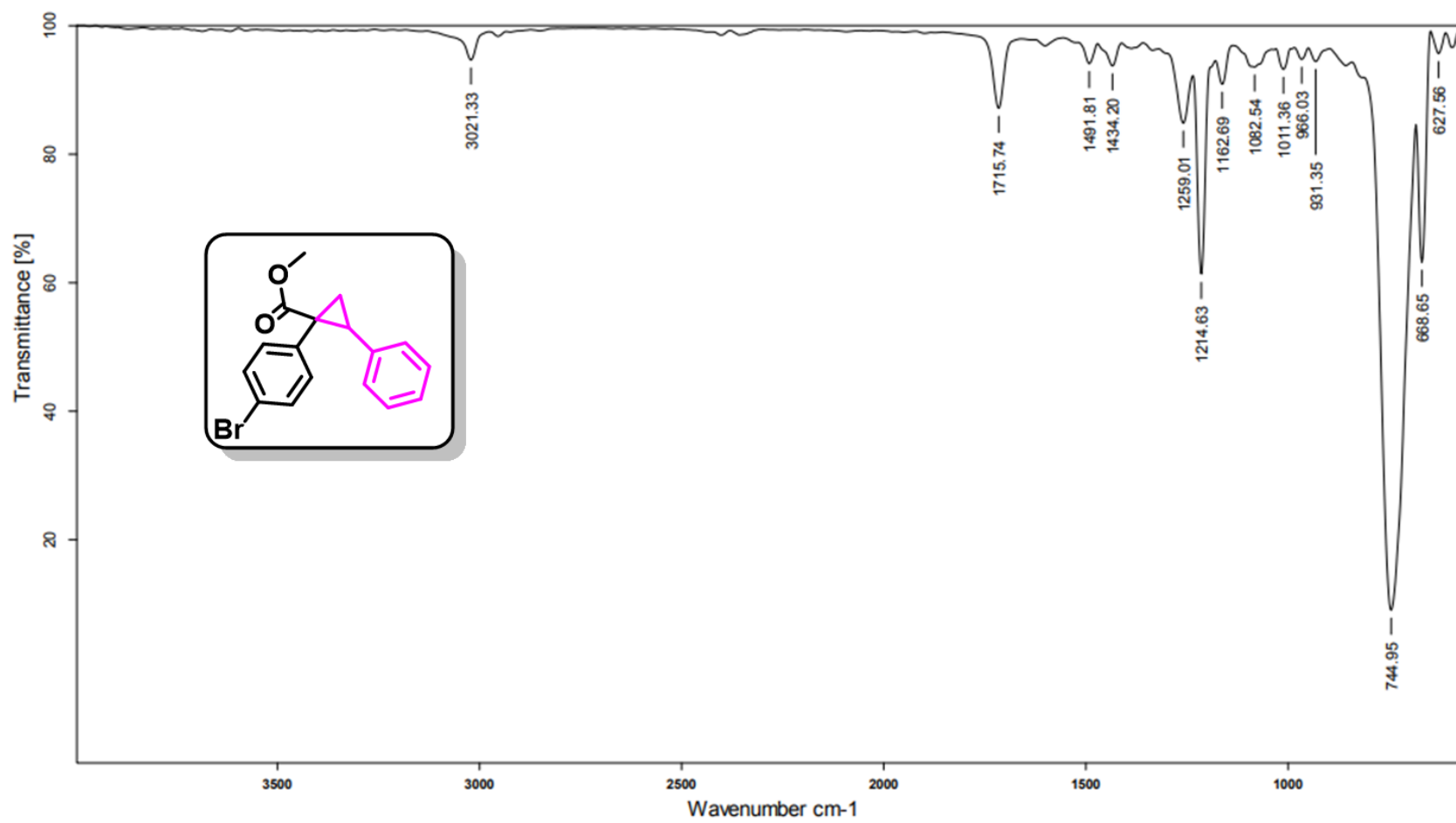


Fig. S173. IR spectra of spectra of methyl 1-(4-bromophenyl)-2-phenylcyclopropane-1-carboxylate (**10d**).

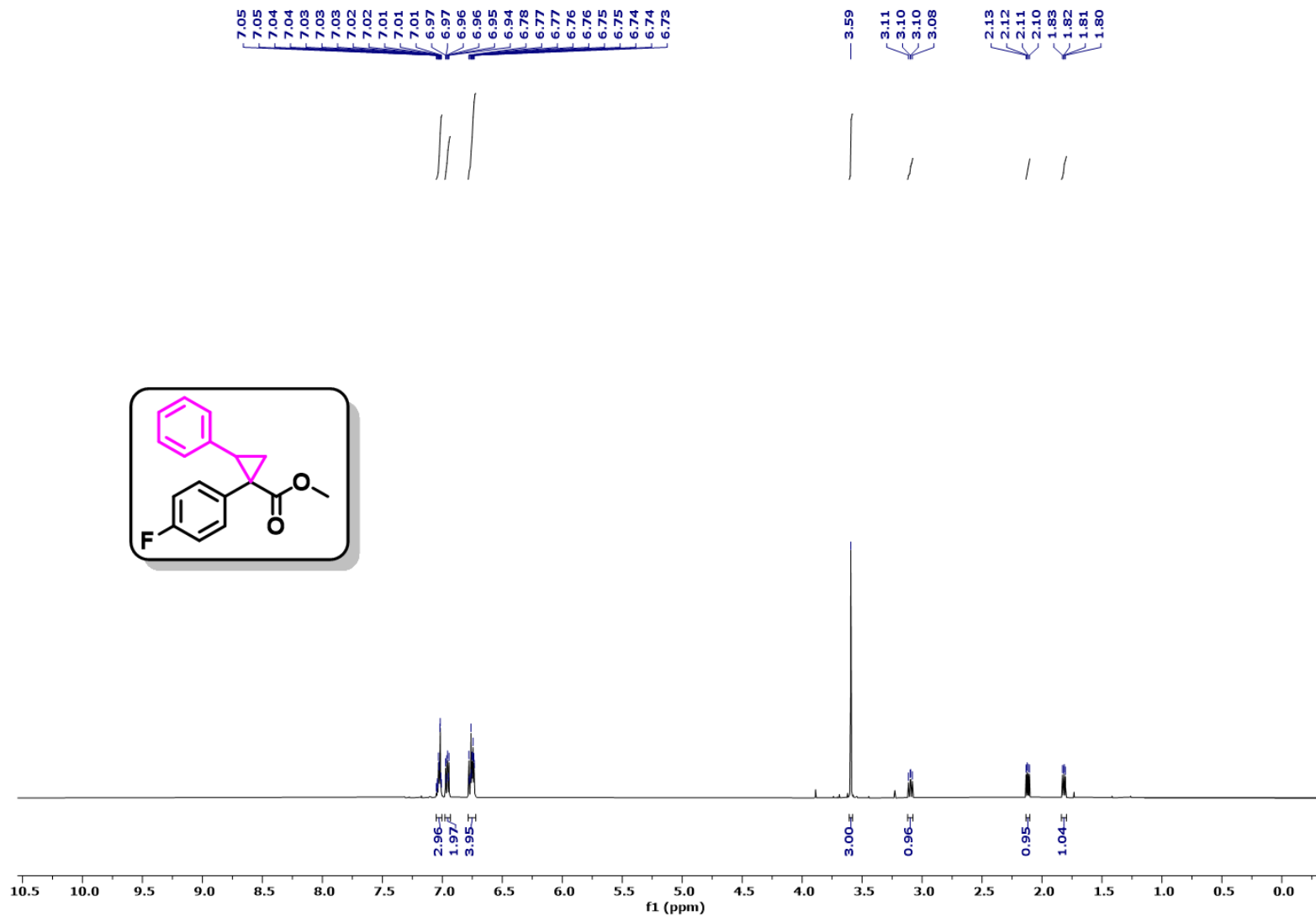


Fig. S174. ¹H NMR (500 MHz, CDCl₃) spectra of methyl 1-(4-fluorophenyl)-2-phenylcyclopropane-1-carboxylate (**10e**).

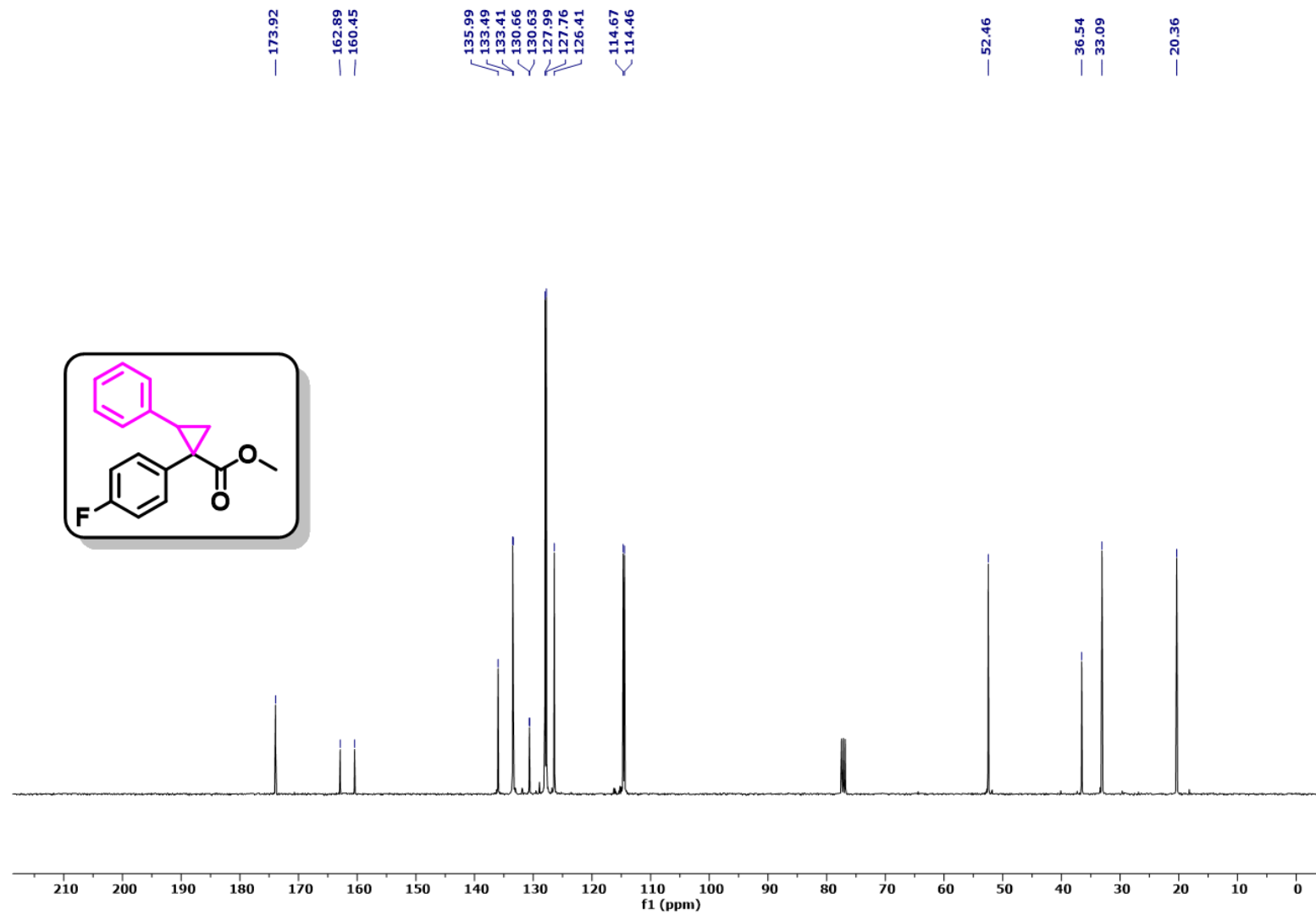


Fig. S175. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 1-(4-fluorophenyl)-2-phenylcyclopropane-1-carboxylate (**10e**).

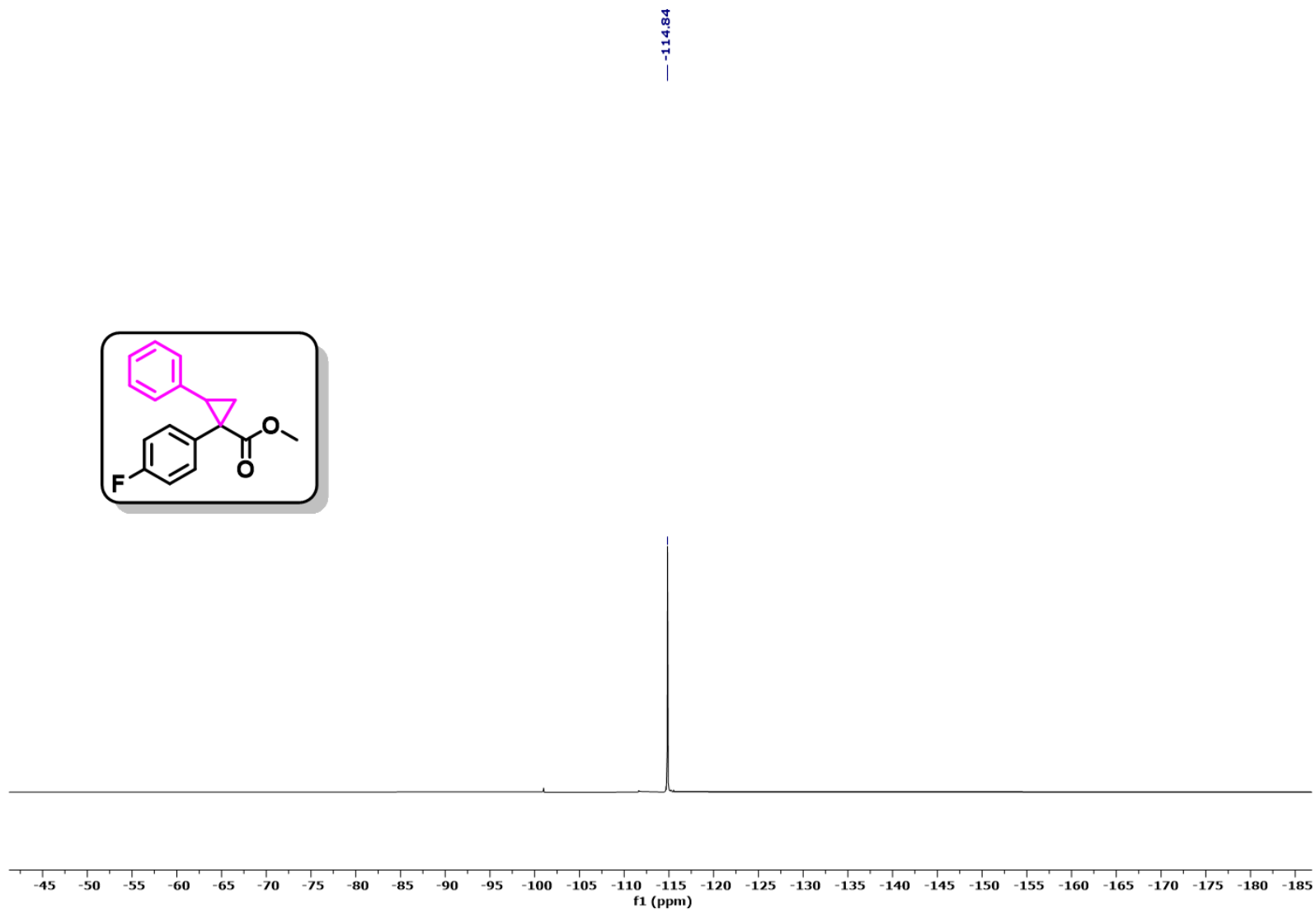


Fig. S176. ^{19}F NMR (377 MHz, CDCl_3) spectra of methyl 1-(4-fluorophenyl)-2-phenylcyclopropane-1-carboxylate (**10e**).

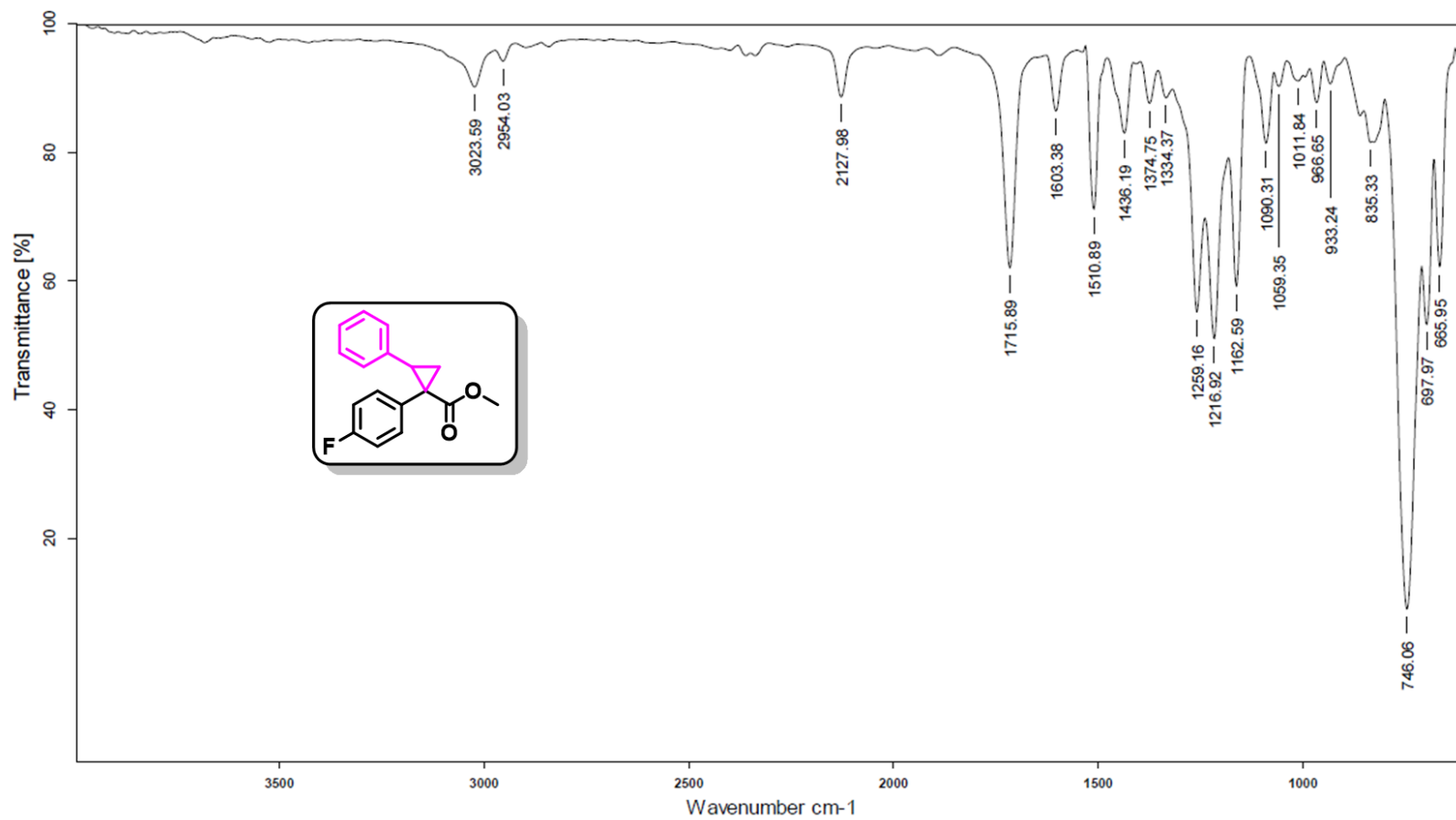


Fig. S177. IR spectra of spectra of methyl 1-(4-fluorophenyl)-2-phenylcyclopropane-1-carboxylate (**10e**).

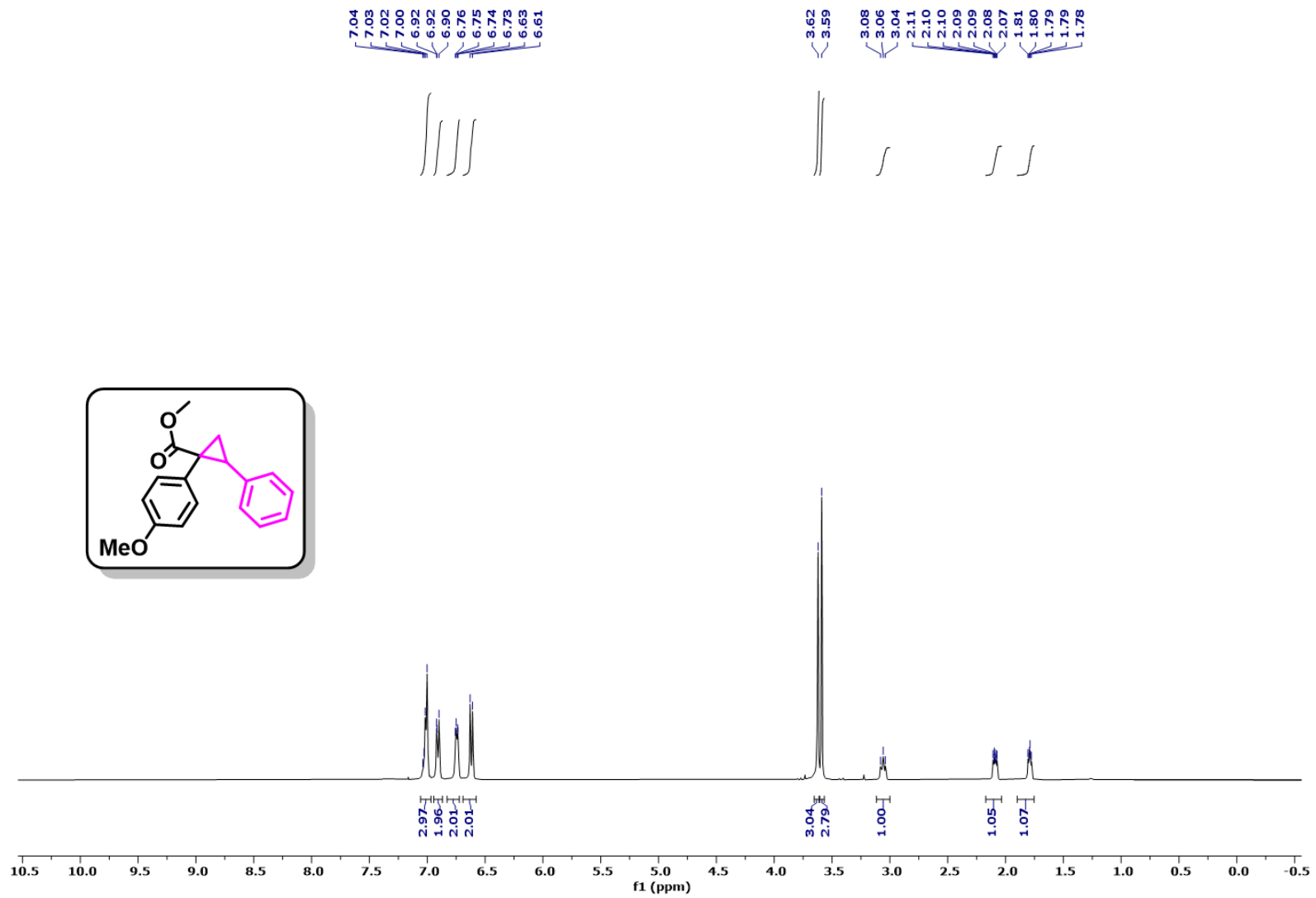


Fig. S178. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 1-(4-methoxyphenyl)-2-phenylcyclopropane-1-carboxylate (**10f**).

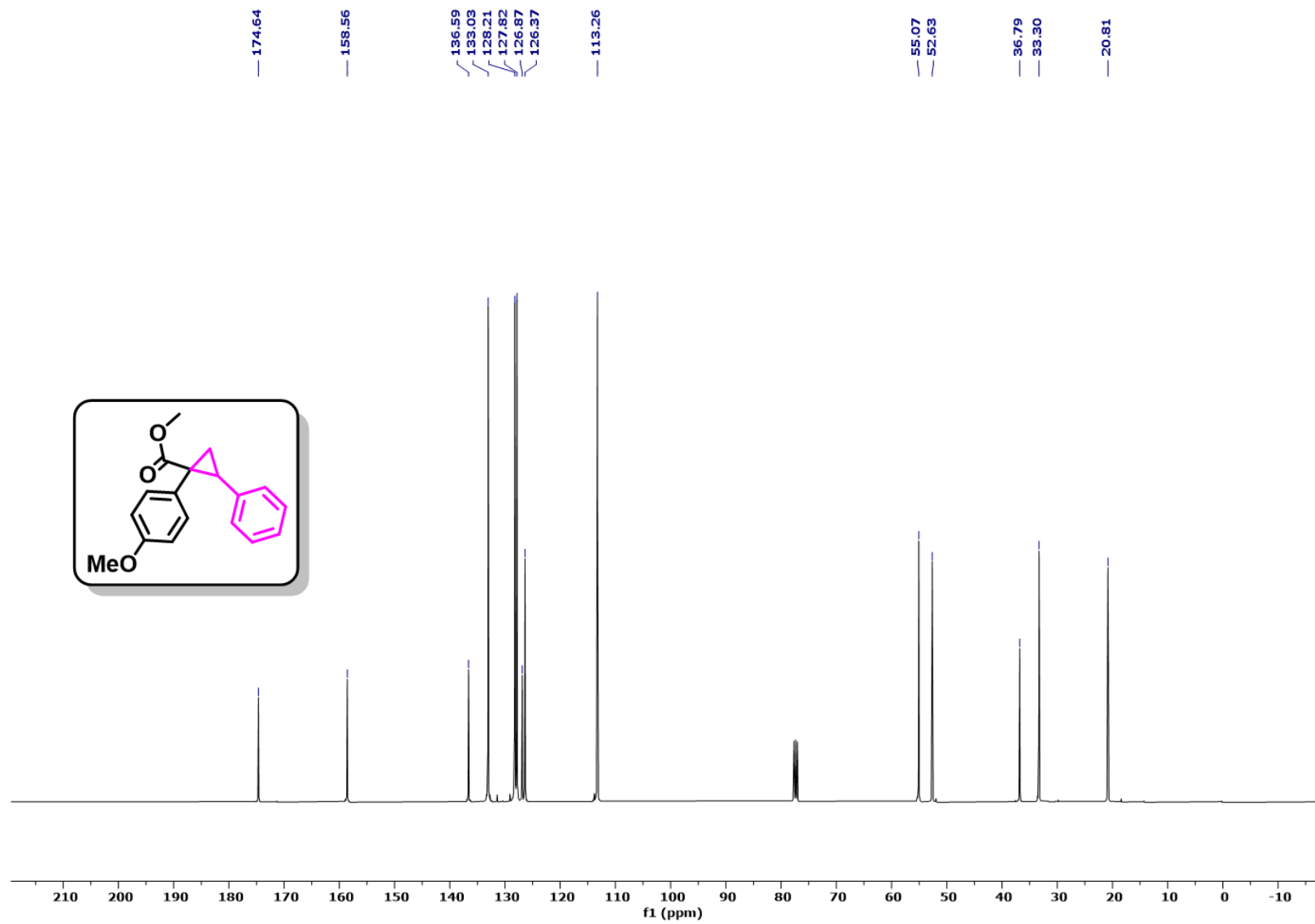


Fig. S179. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 1-(4-methoxyphenyl)-2-phenylcyclopropane-1-carboxylate (**10f**).

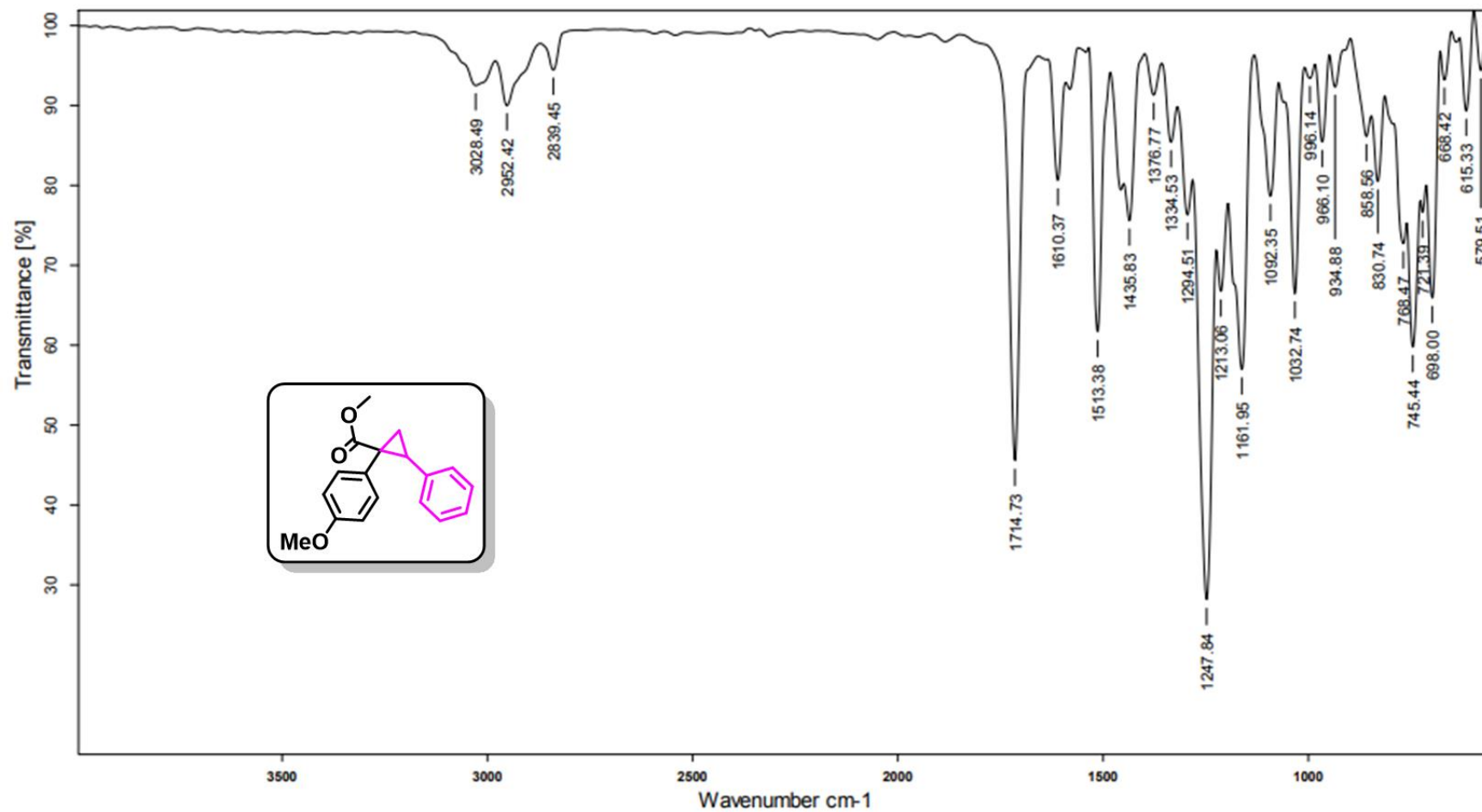


Fig. S180. IR spectra of spectra of methyl 1-(4-methoxyphenyl)-2-phenylcyclopropane-1-carboxylate (10f).

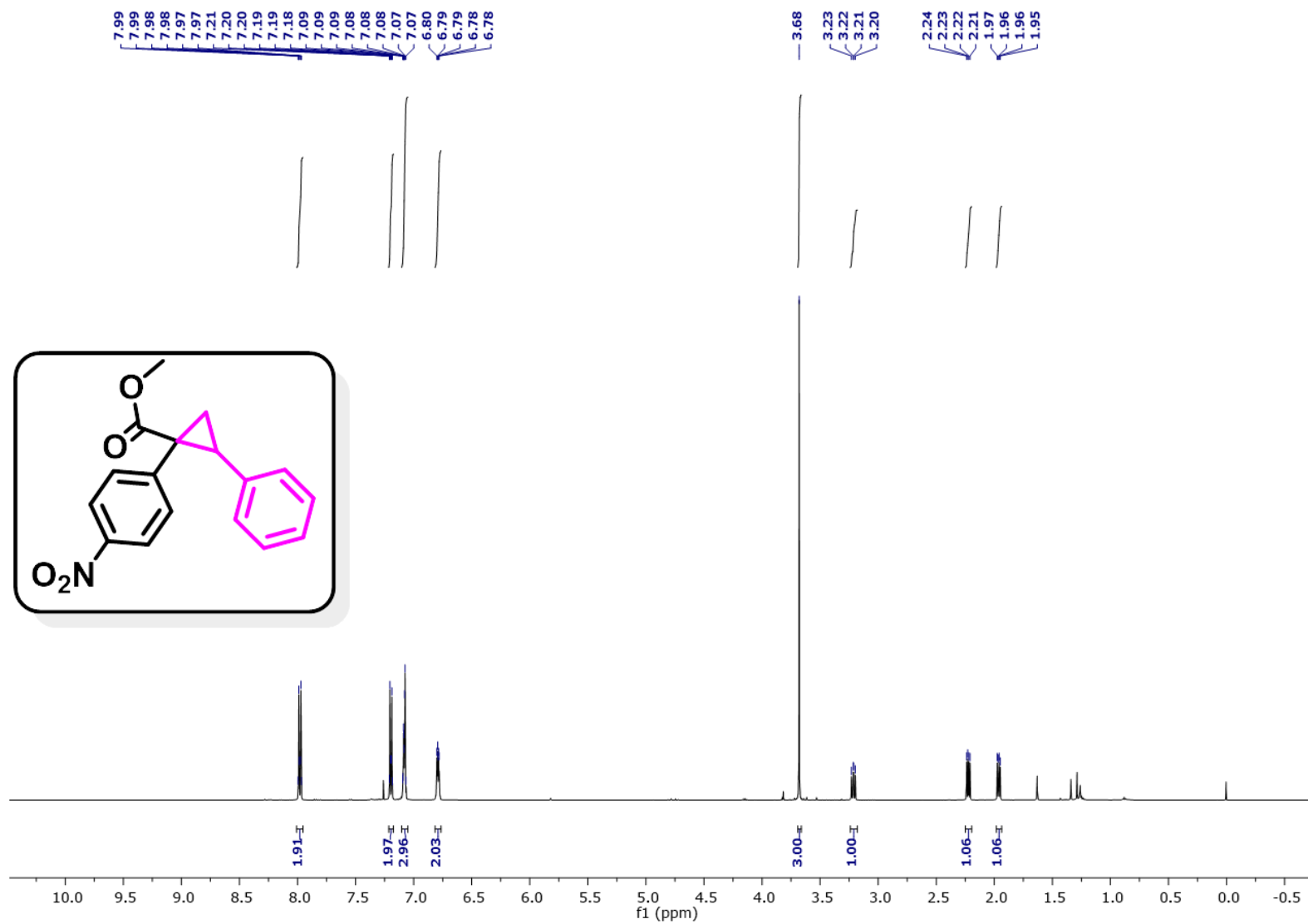


Fig. S181. ¹H NMR (500 MHz, CDCl₃) spectra of methyl 1-(4-nitrophenyl)-2-phenylcyclopropane-1-carboxylate (**10g**).

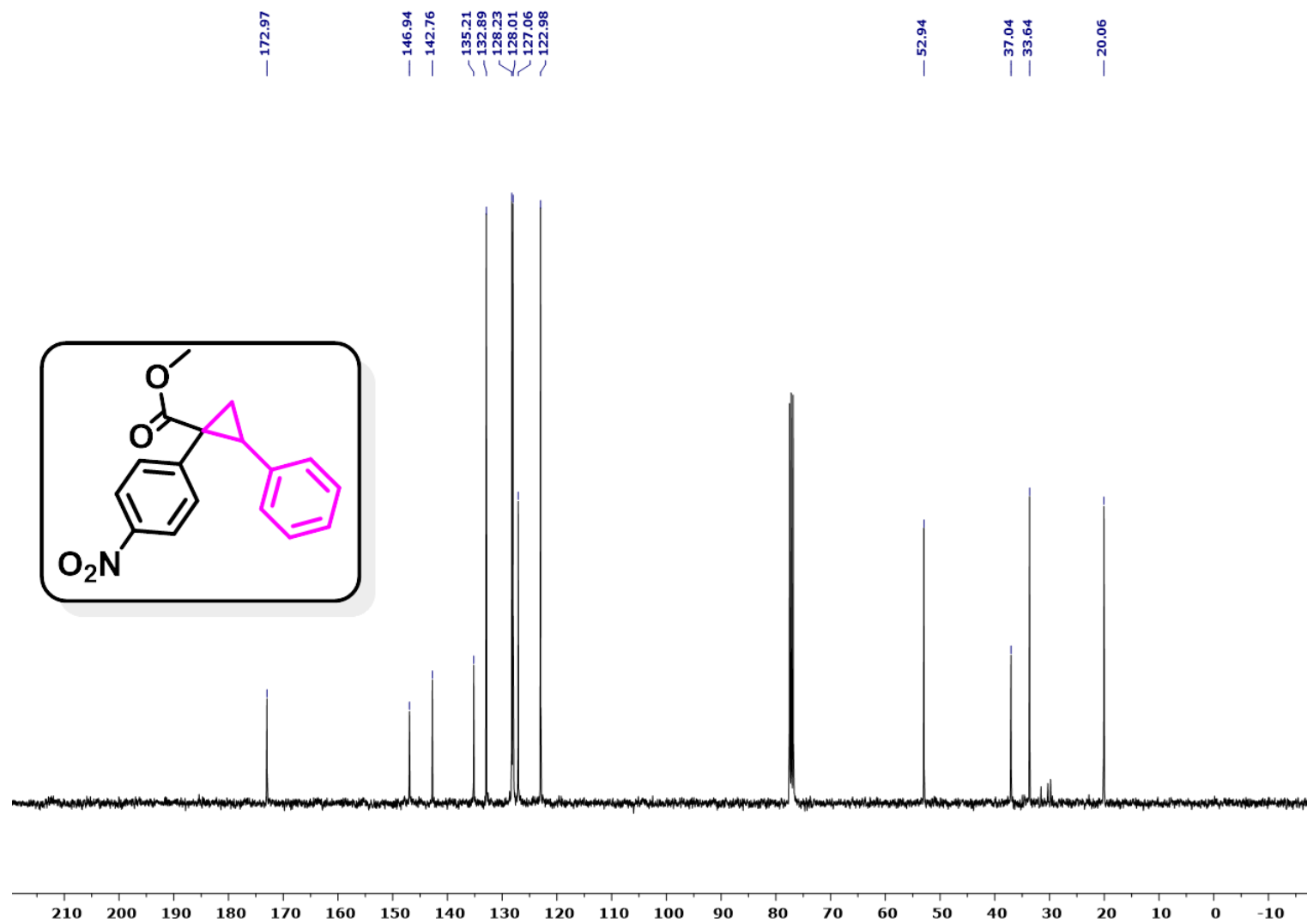


Fig. S182. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 1-(4-nitrophenyl)-2-phenylcyclopropane-1-carboxylate (**10g**).

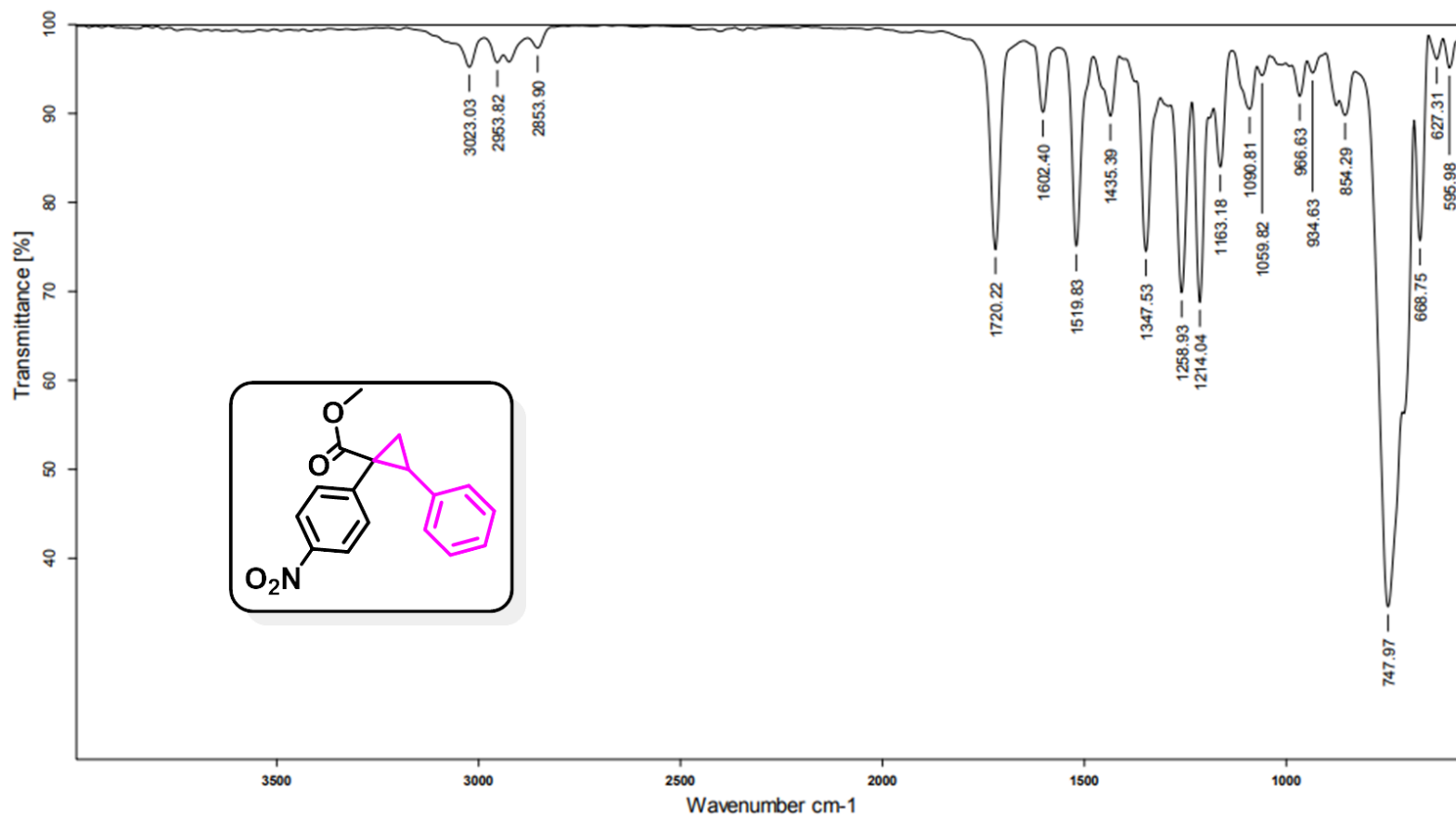


Fig. S183. IR spectra of spectra of methyl 1-(4-nitrophenyl)-2-phenylcyclopropane-1-carboxylate (**10g**).

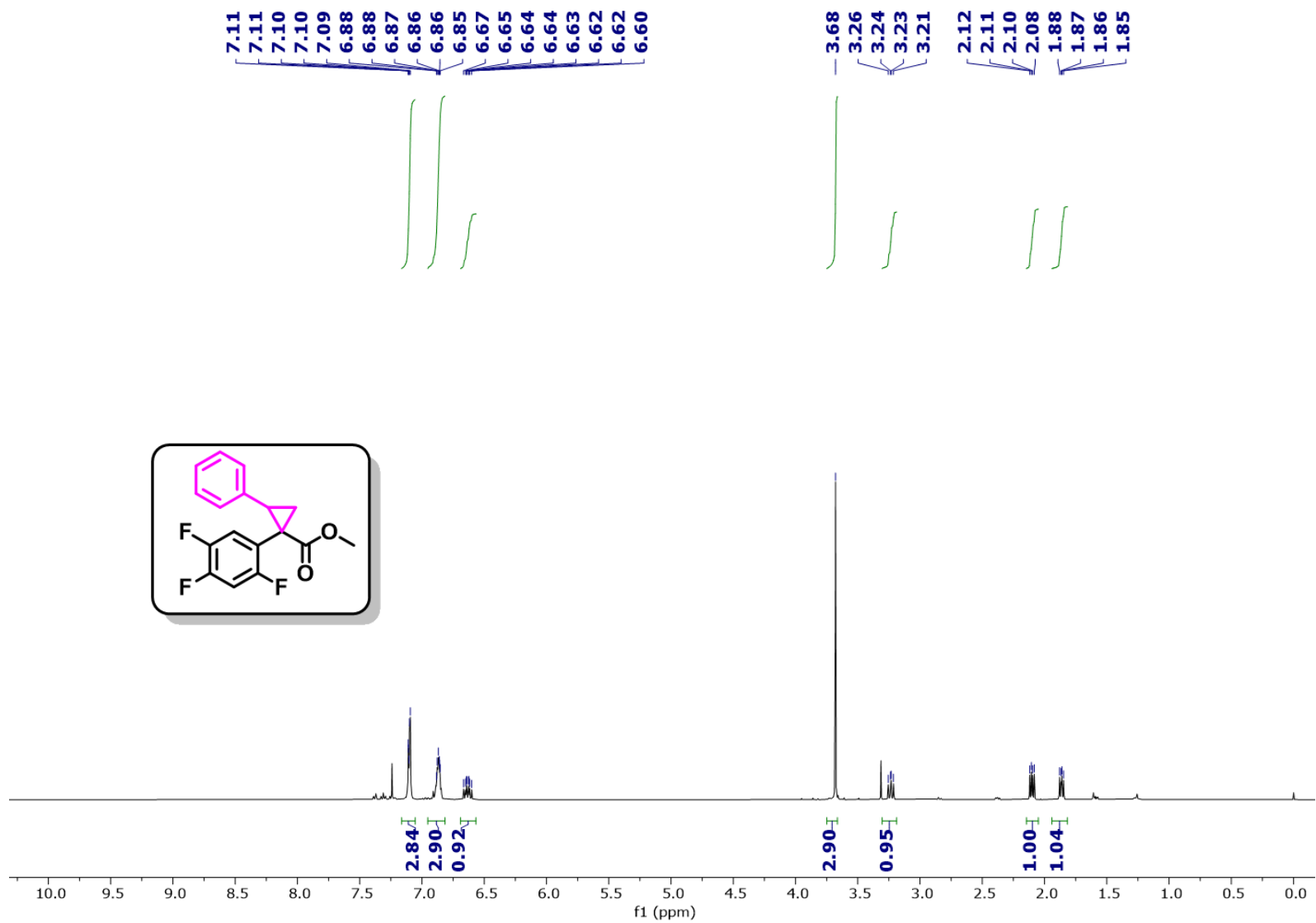


Fig. S184. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-phenyl-1-(2,4,5-trifluorophenyl)cyclopropane-1-carboxylate (**10h**).

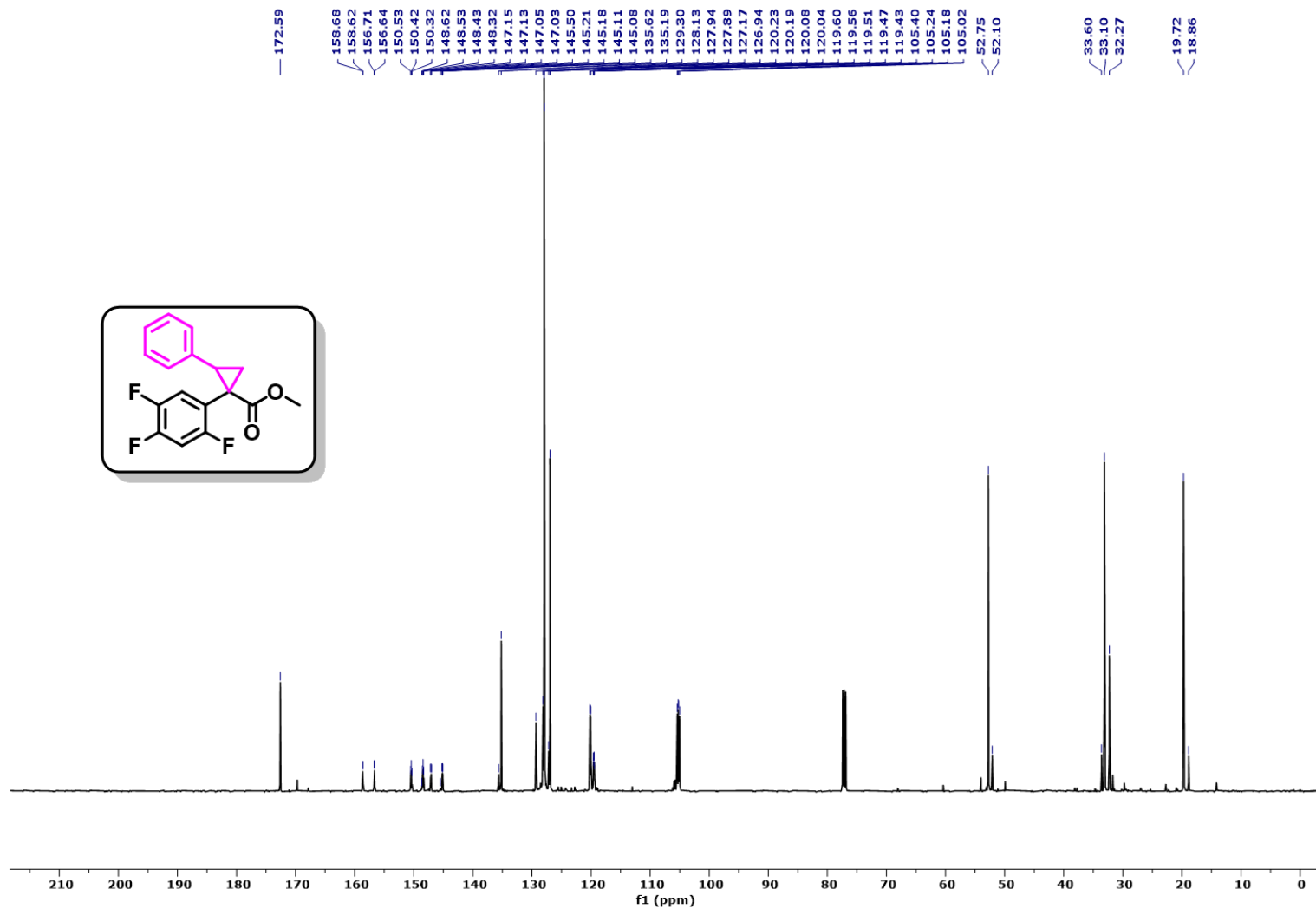


Fig. S185. ¹³C NMR (126 MHz, CDCl₃) spectra of methyl methyl 2-phenyl-1-(2,4,5-trifluorophenyl)cyclopropane-1-carboxylate (**10h**).

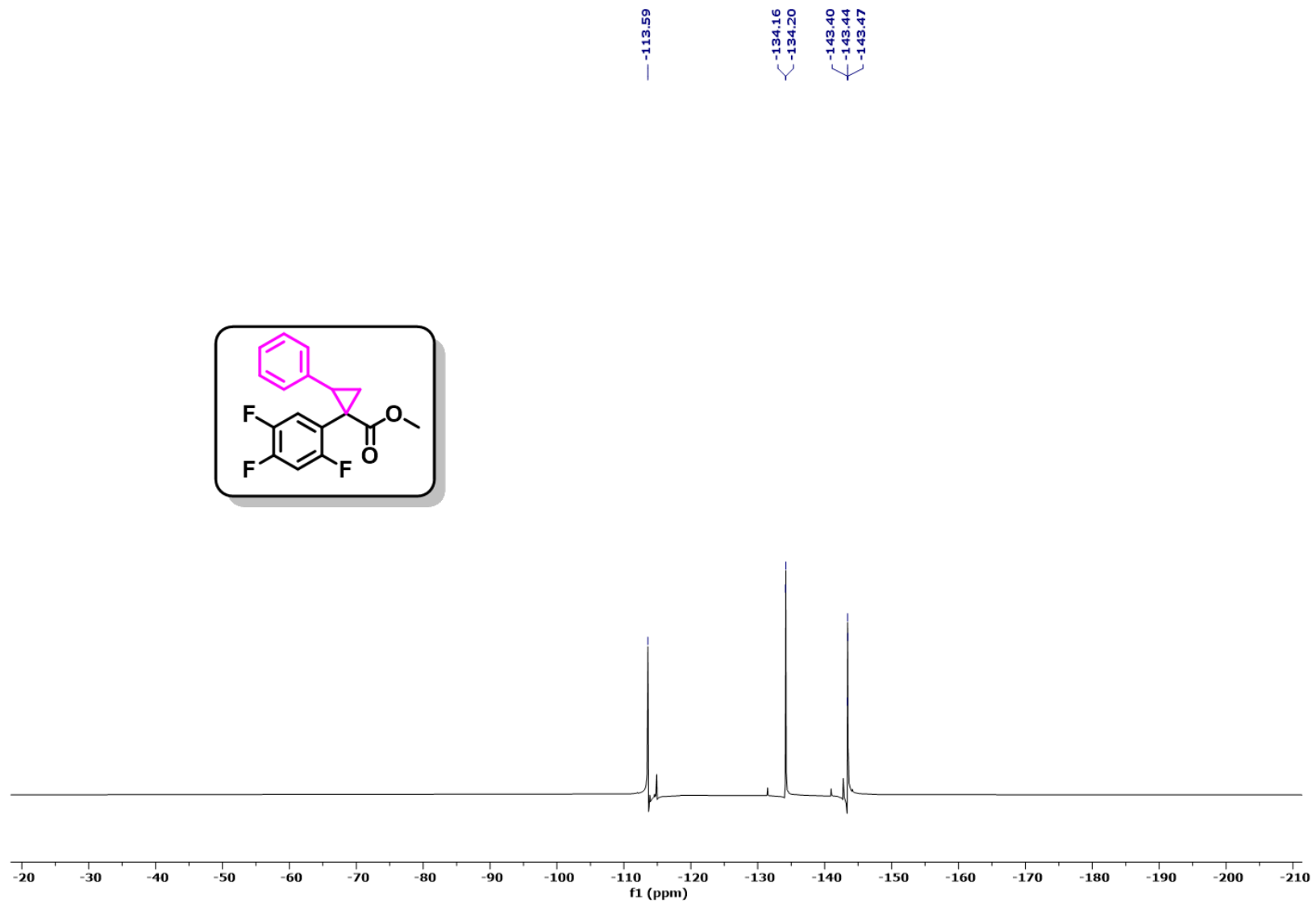


Fig. S186. ^{19}F NMR (471 MHz, CDCl_3) spectra of methyl 2-phenyl-1-(2,4,5-trifluorophenyl)cyclopropane-1-carboxylate (**10h**).

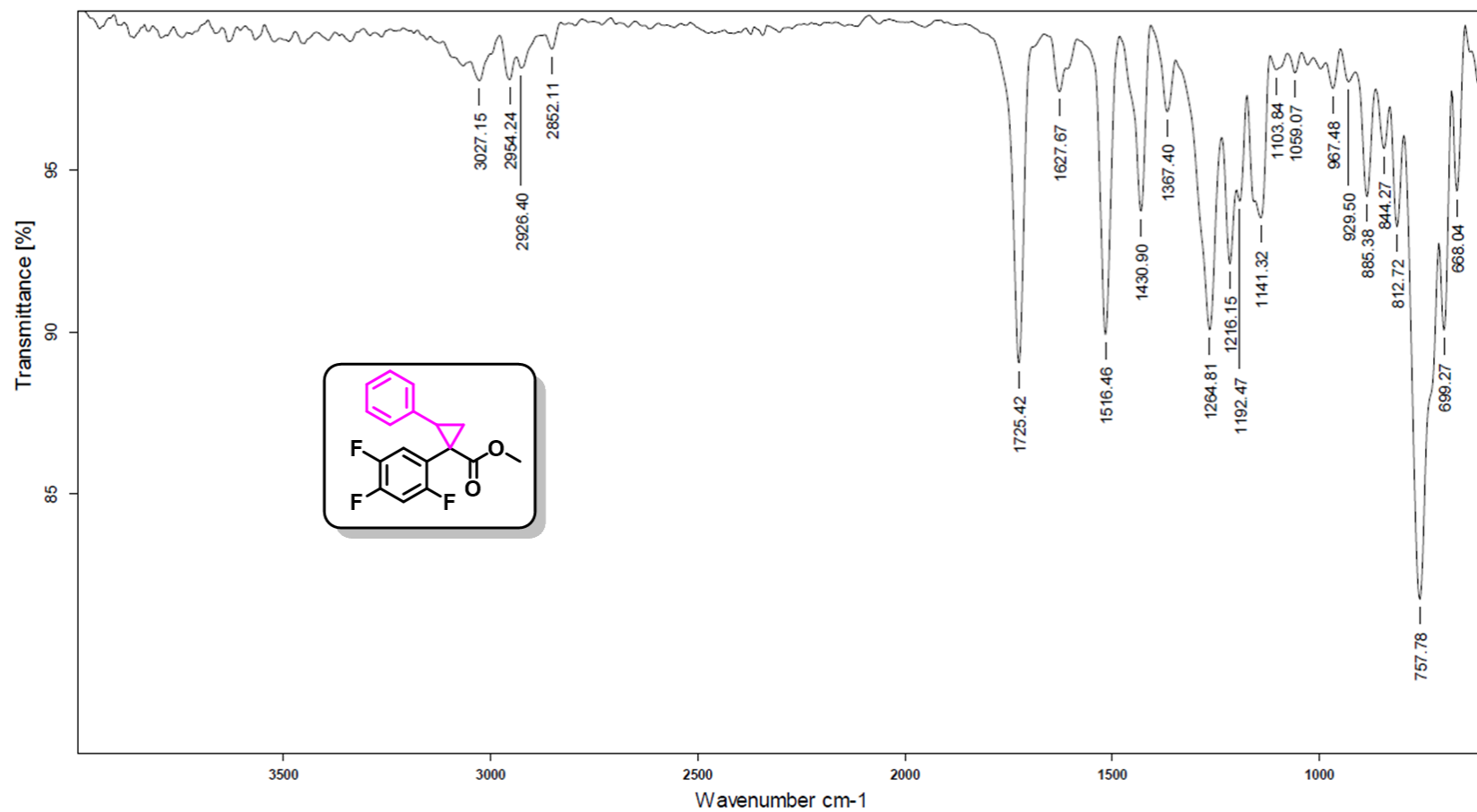


Fig. S187. IR spectra of spectra of methyl 2-phenyl-1-(2,4,5-trifluorophenyl)cyclopropane-1-carboxylate (**10h**).



Fig. S188. ¹H NMR (300 MHz, CDCl₃) spectra of ethyl 1,2-diphenylcyclopropane-1-carboxylate (**10i**).

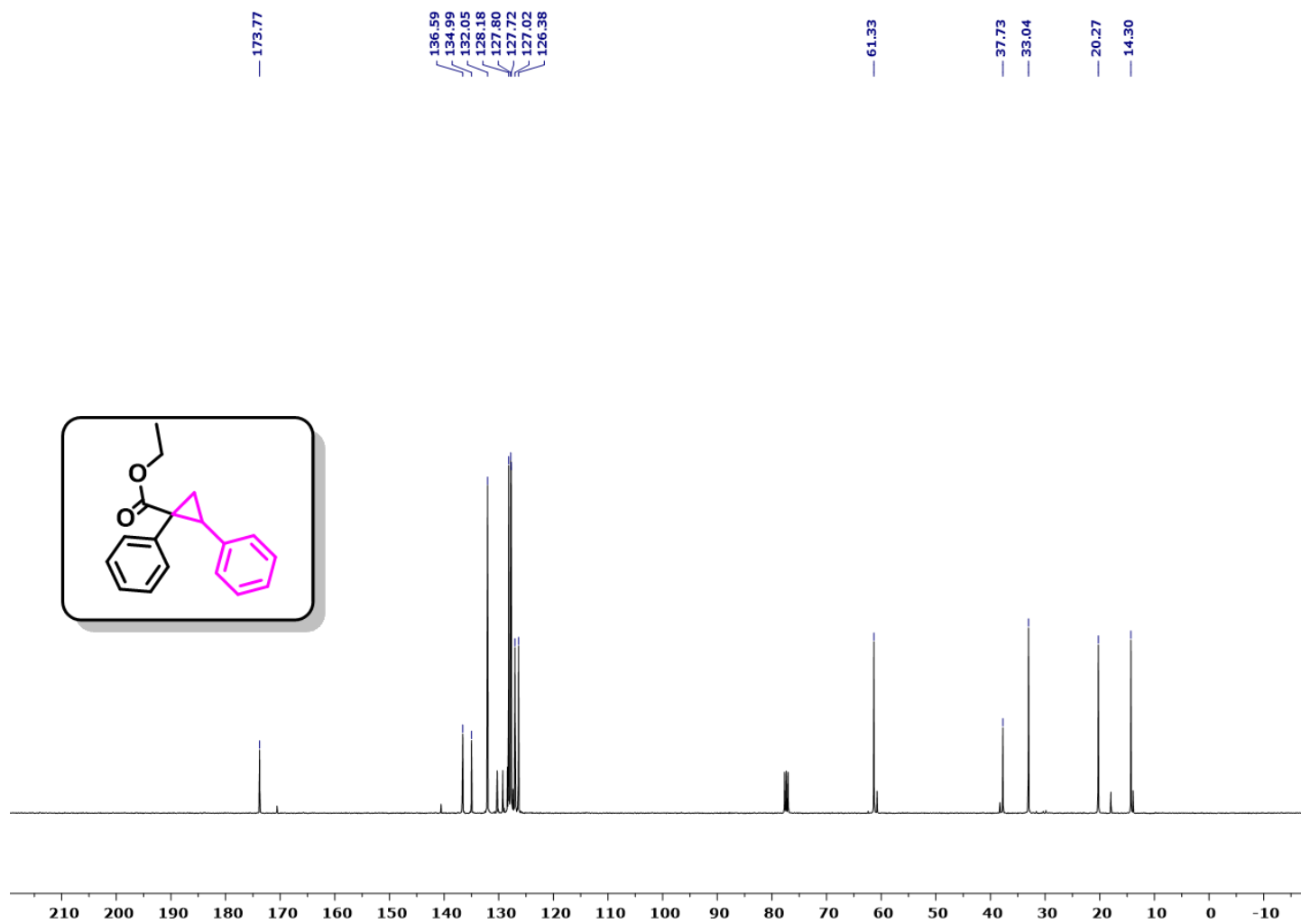


Fig. S189. ^{13}C NMR (101 MHz, CDCl_3) spectra of ethyl 1,2-diphenylcyclopropane-1-carboxylate (**10i**).

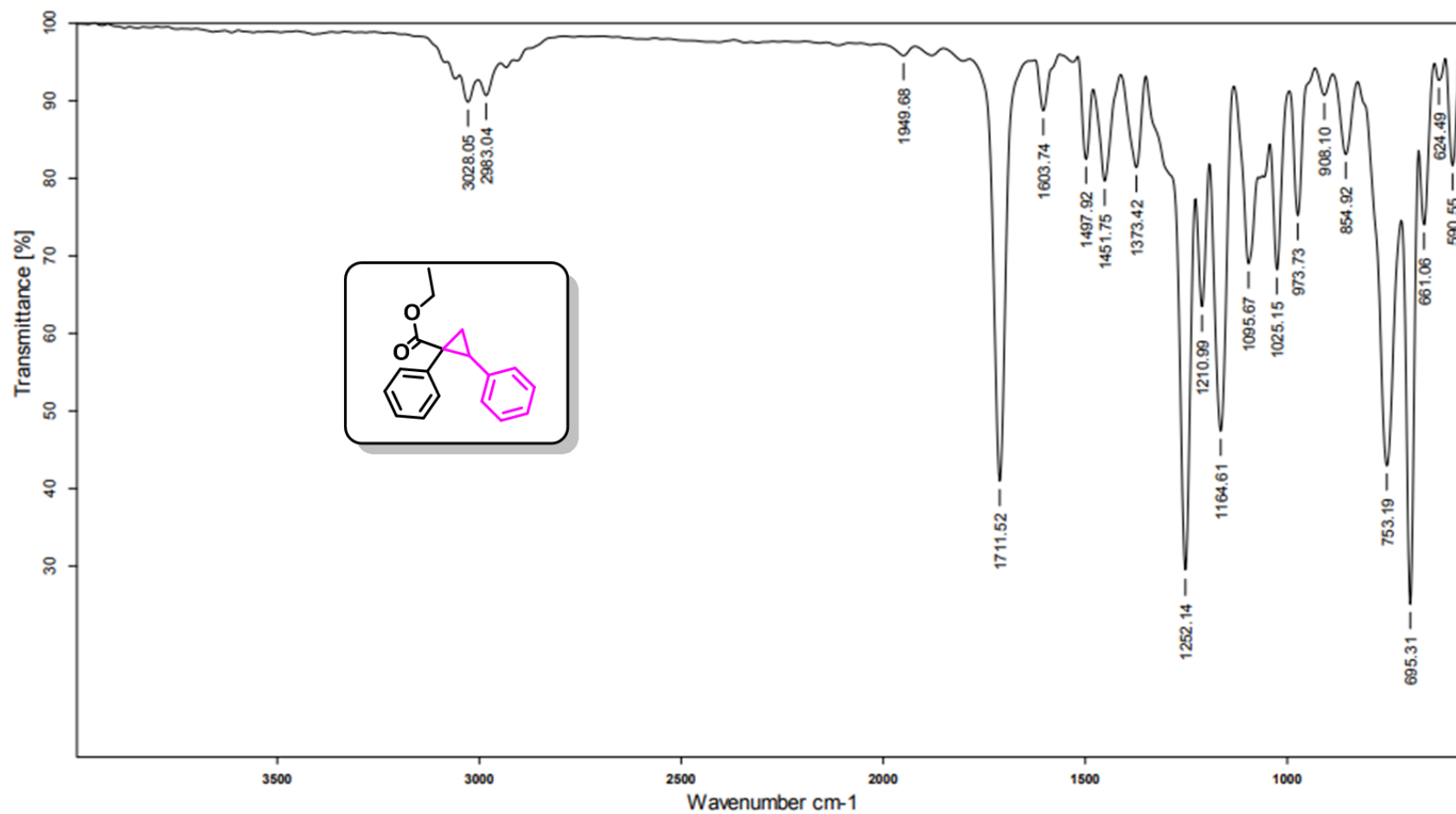


Fig. S190. IR spectra of spectra of ethyl 1,2-diphenylcyclopropane-1-carboxylate (**10i**).

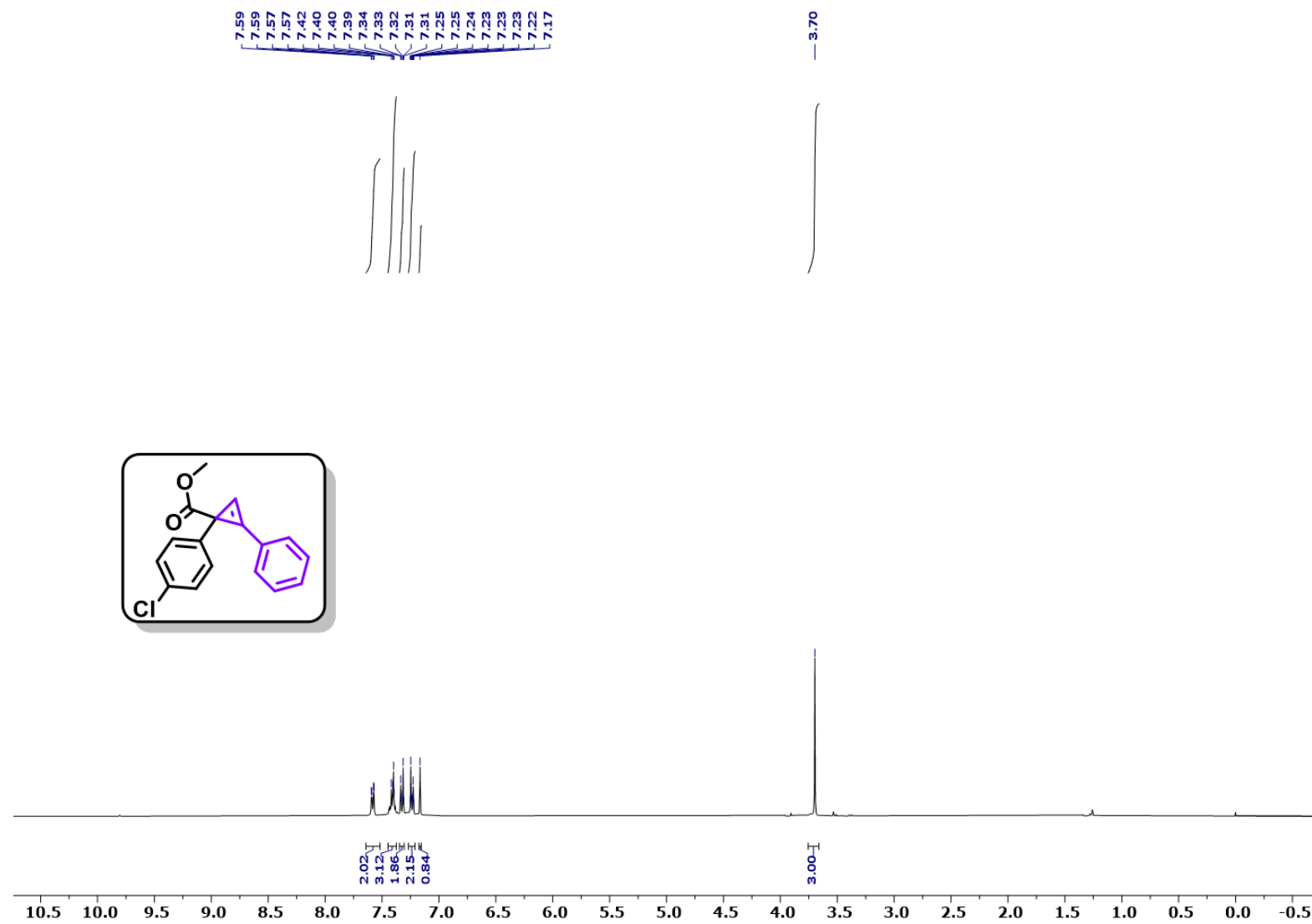


Fig. S191. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 1-(4-chlorophenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**12a**).

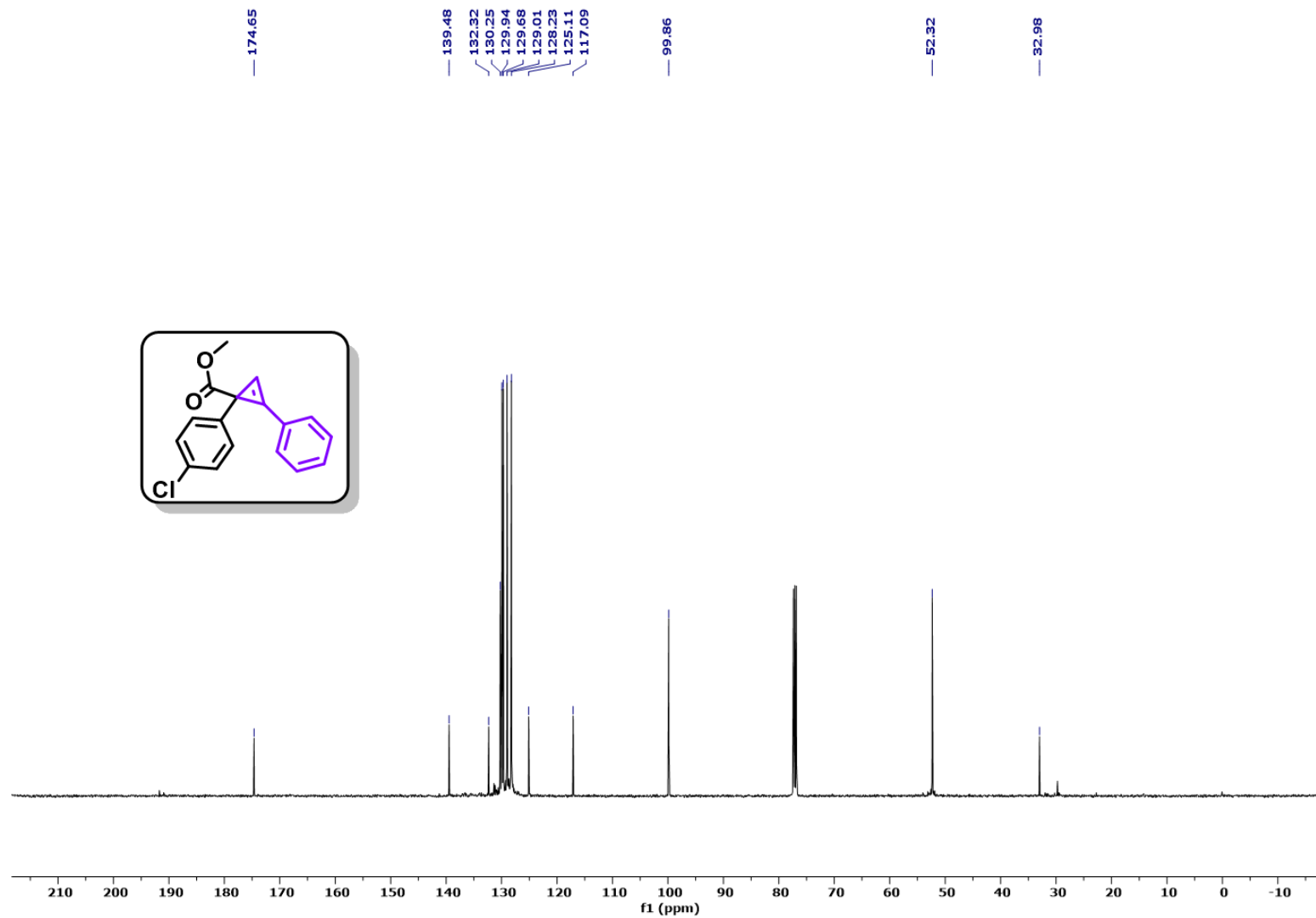


Fig. S192. ¹³C NMR (126 MHz, CDCl₃) spectra of methyl 1-(4-chlorophenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**12a**).

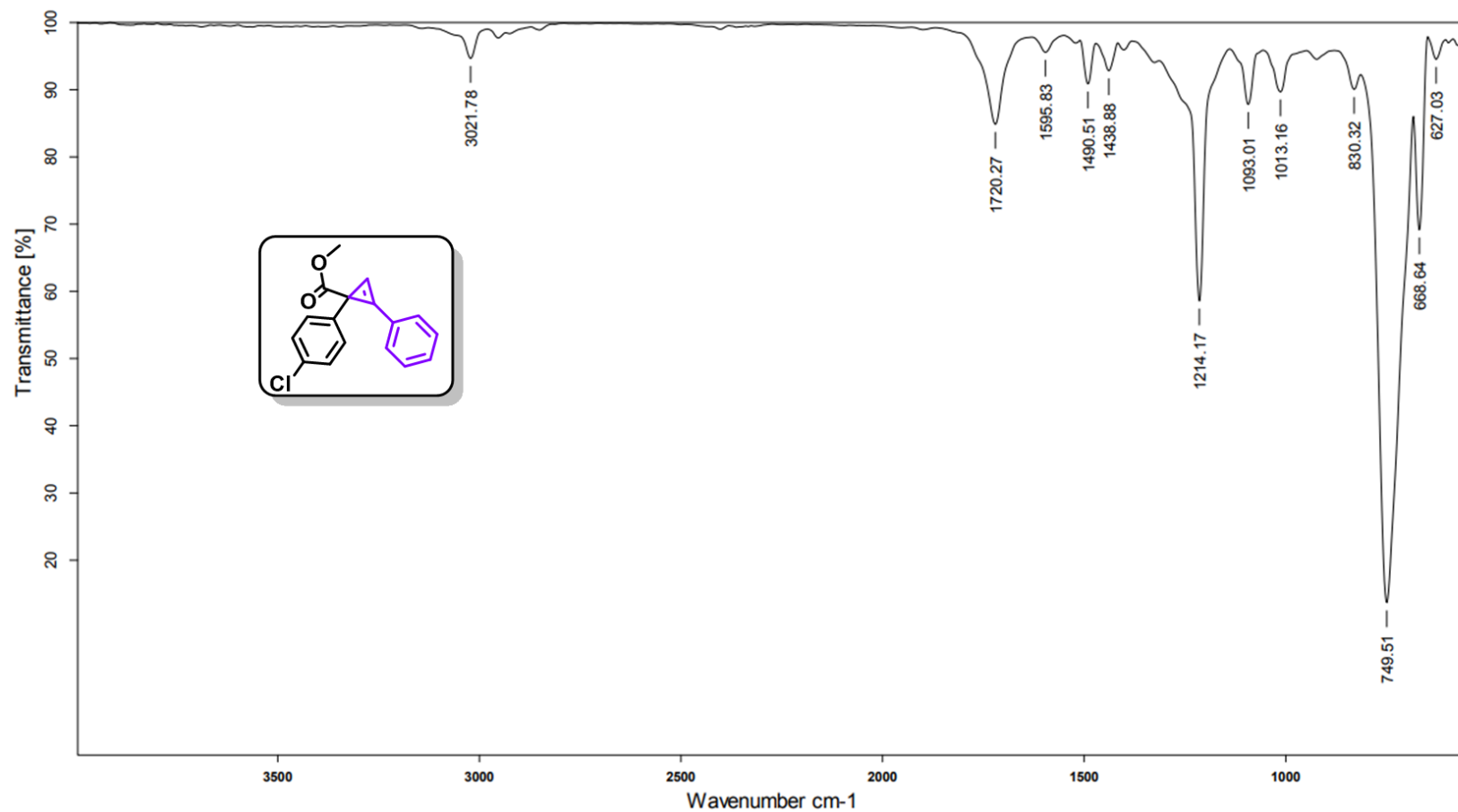


Fig. S193. IR spectra of spectra of methyl 1-(4-chlorophenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**12a**).

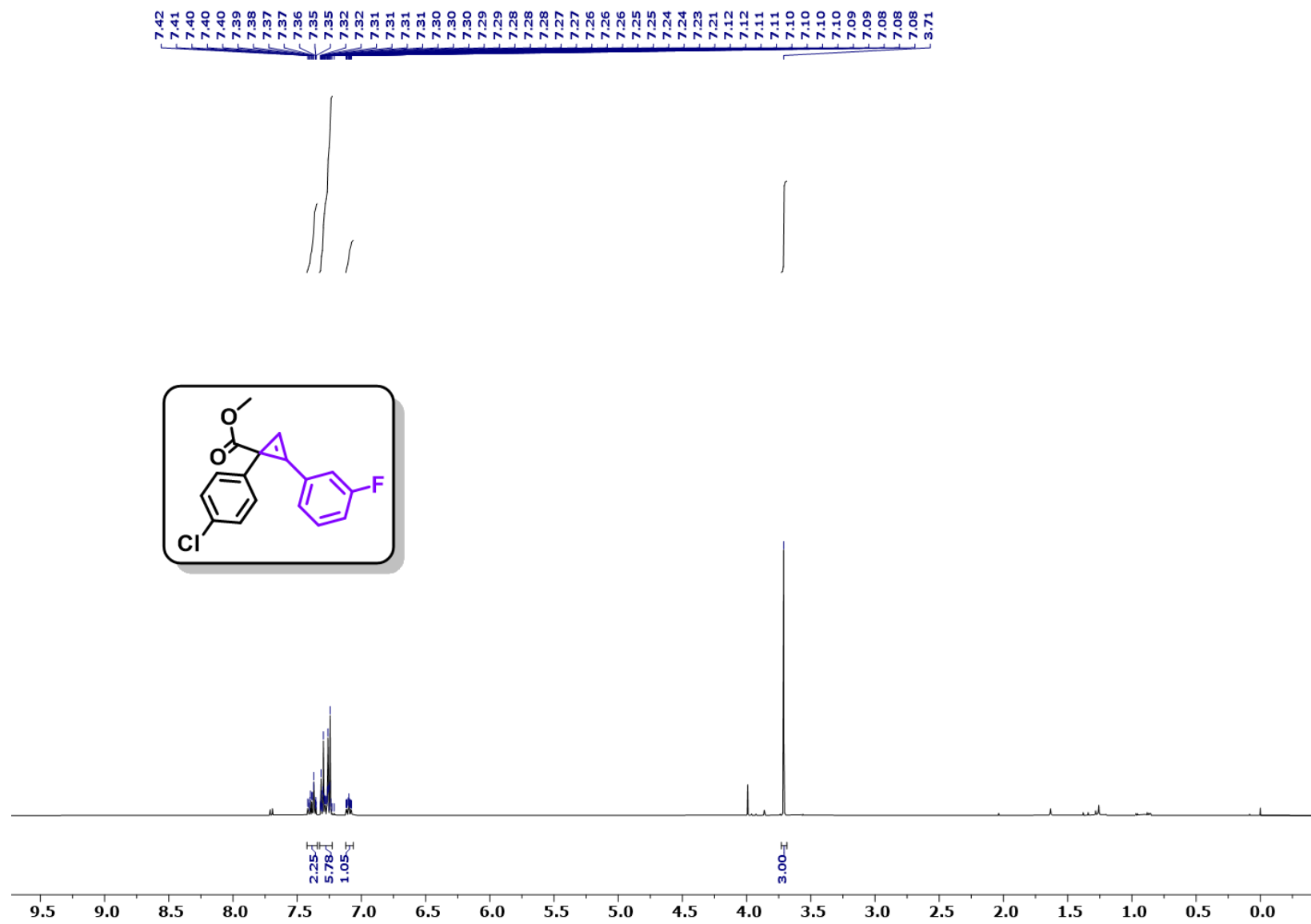


Fig. S194. ¹H NMR (500 MHz, CDCl₃) spectra of methyl 1-(4-chlorophenyl)-2-(3-fluorophenyl)cycloprop-2-ene-1-carboxylate (**12b**).

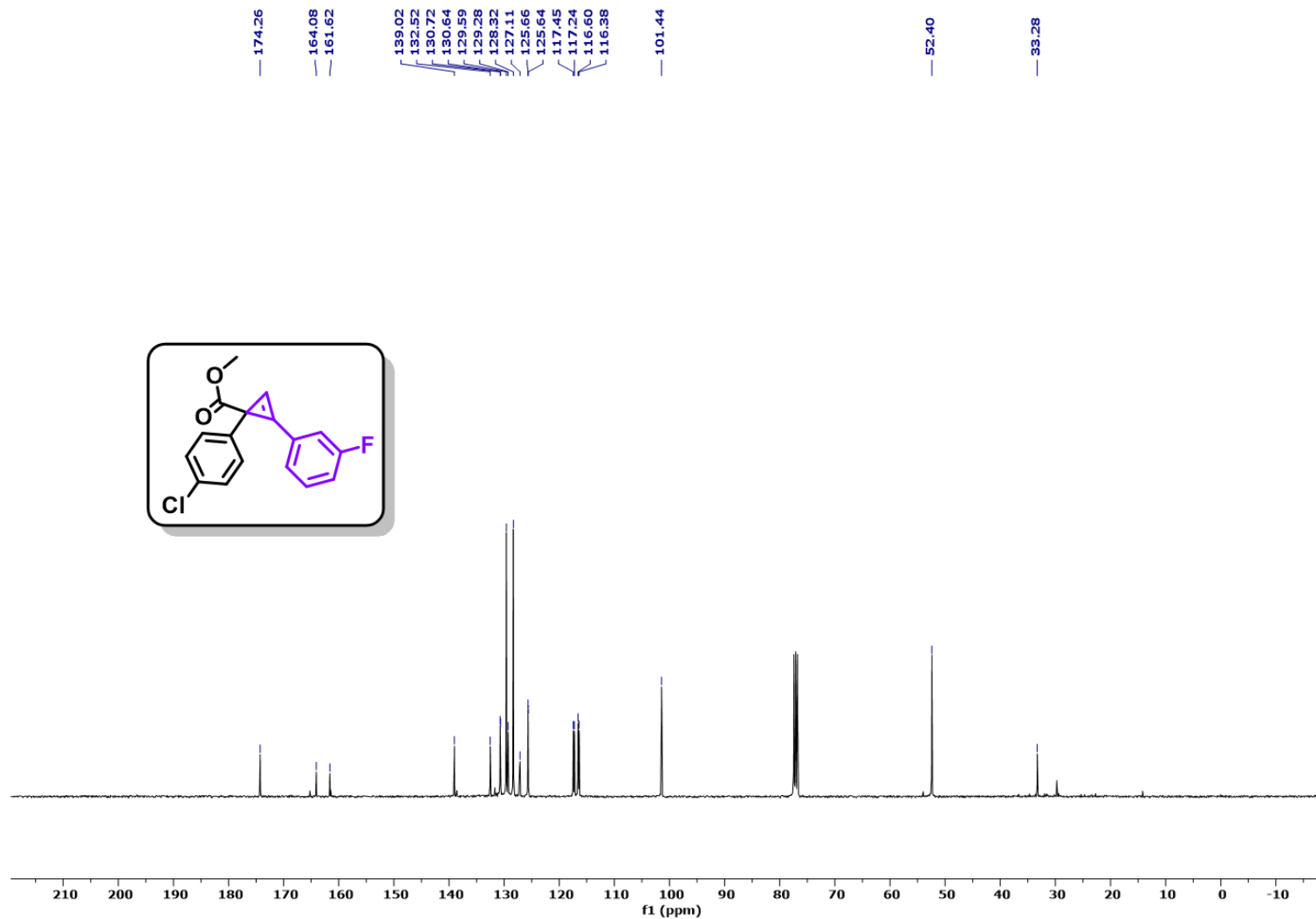


Fig. S195. ¹³C NMR (101 MHz, CDCl₃) spectra of methyl 1-(4-chlorophenyl)-2-(3-fluorophenyl)cycloprop-2-ene-1-carboxylate (**12b**).

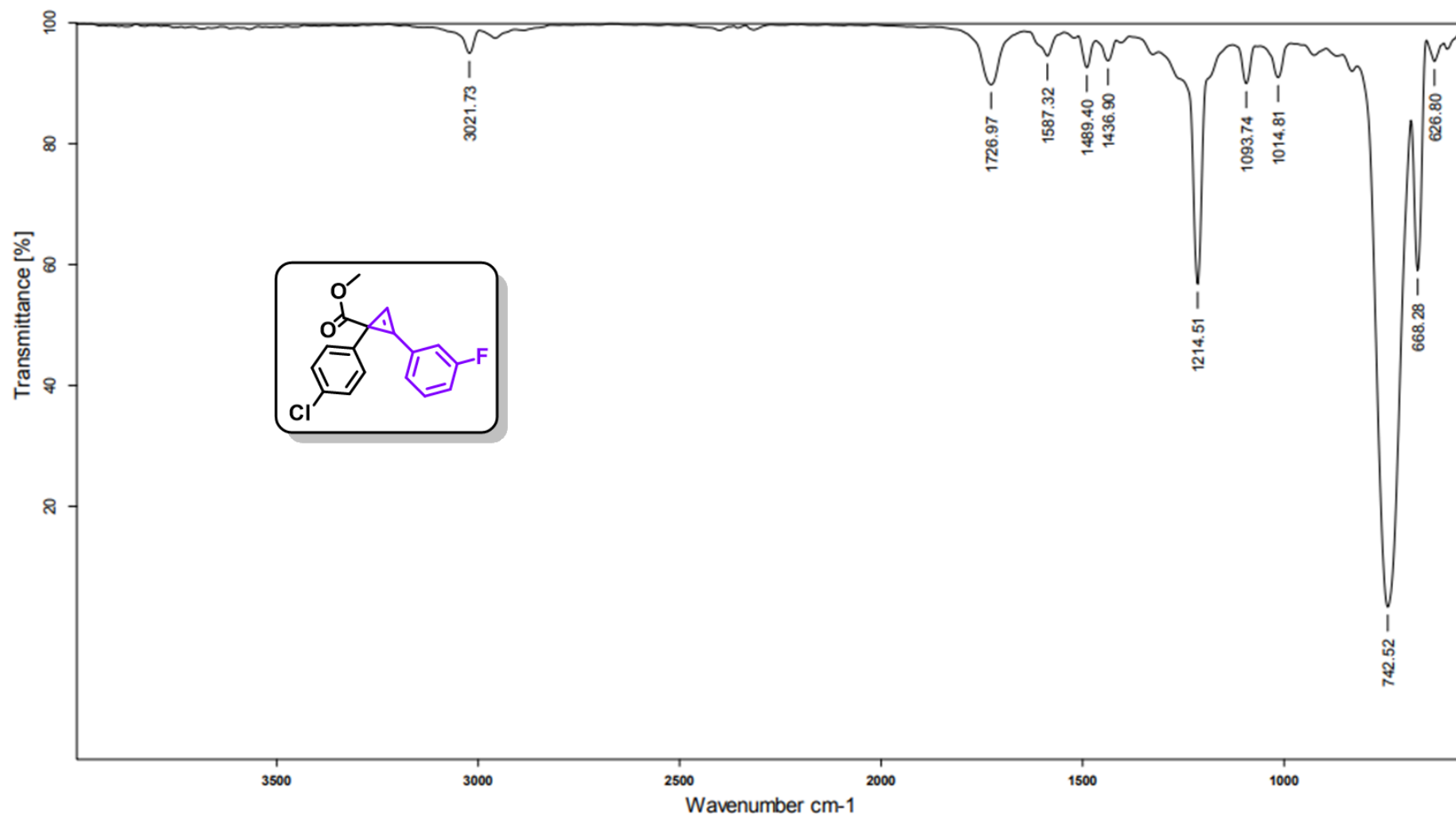


Fig. S196. IR spectra of spectra of methyl 1-(4-chlorophenyl)-2-(3-fluorophenyl)cycloprop-2-ene-1-carboxylate (**12b**).

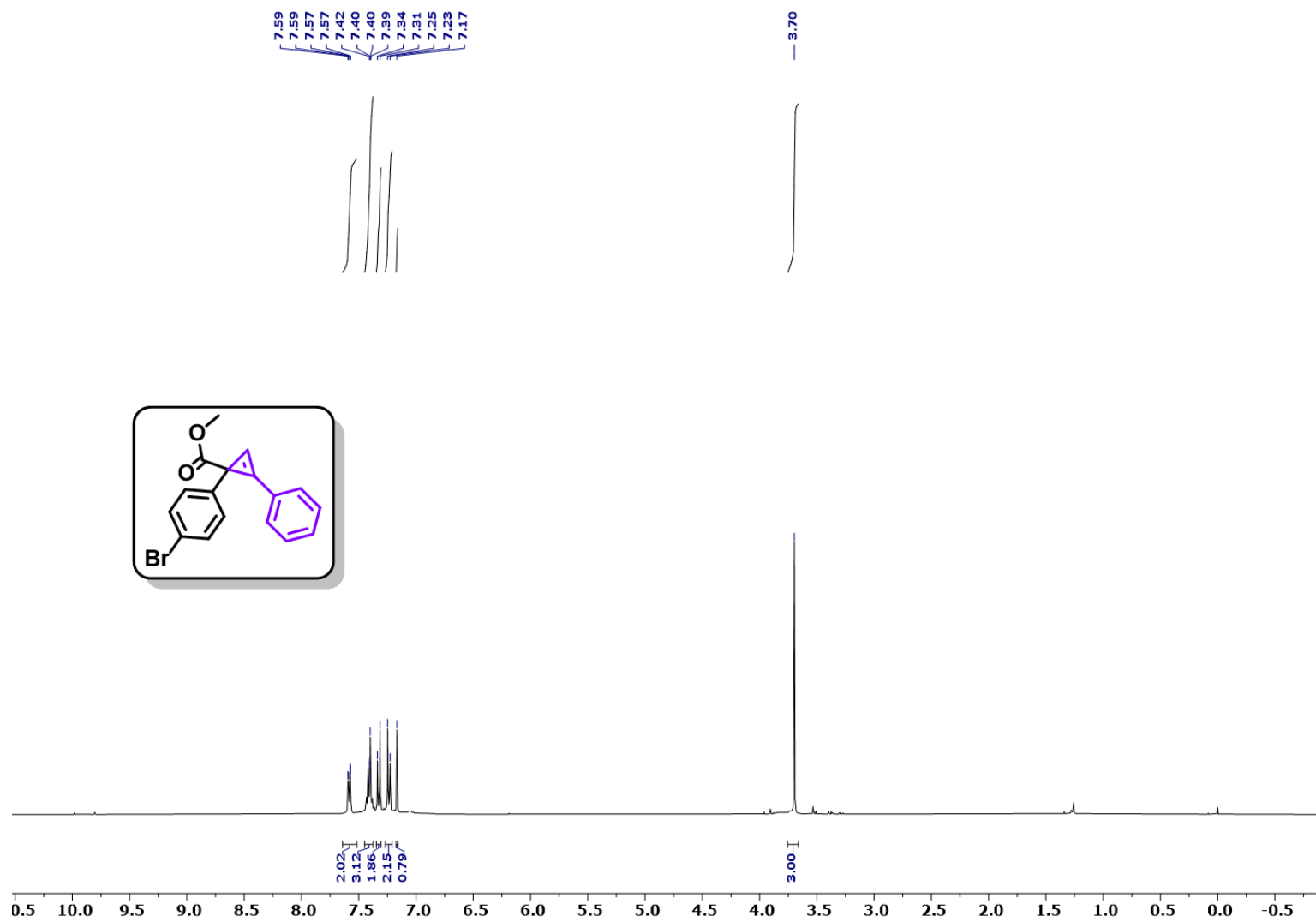


Fig. S197. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 1-(4-bromophenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**12c**).

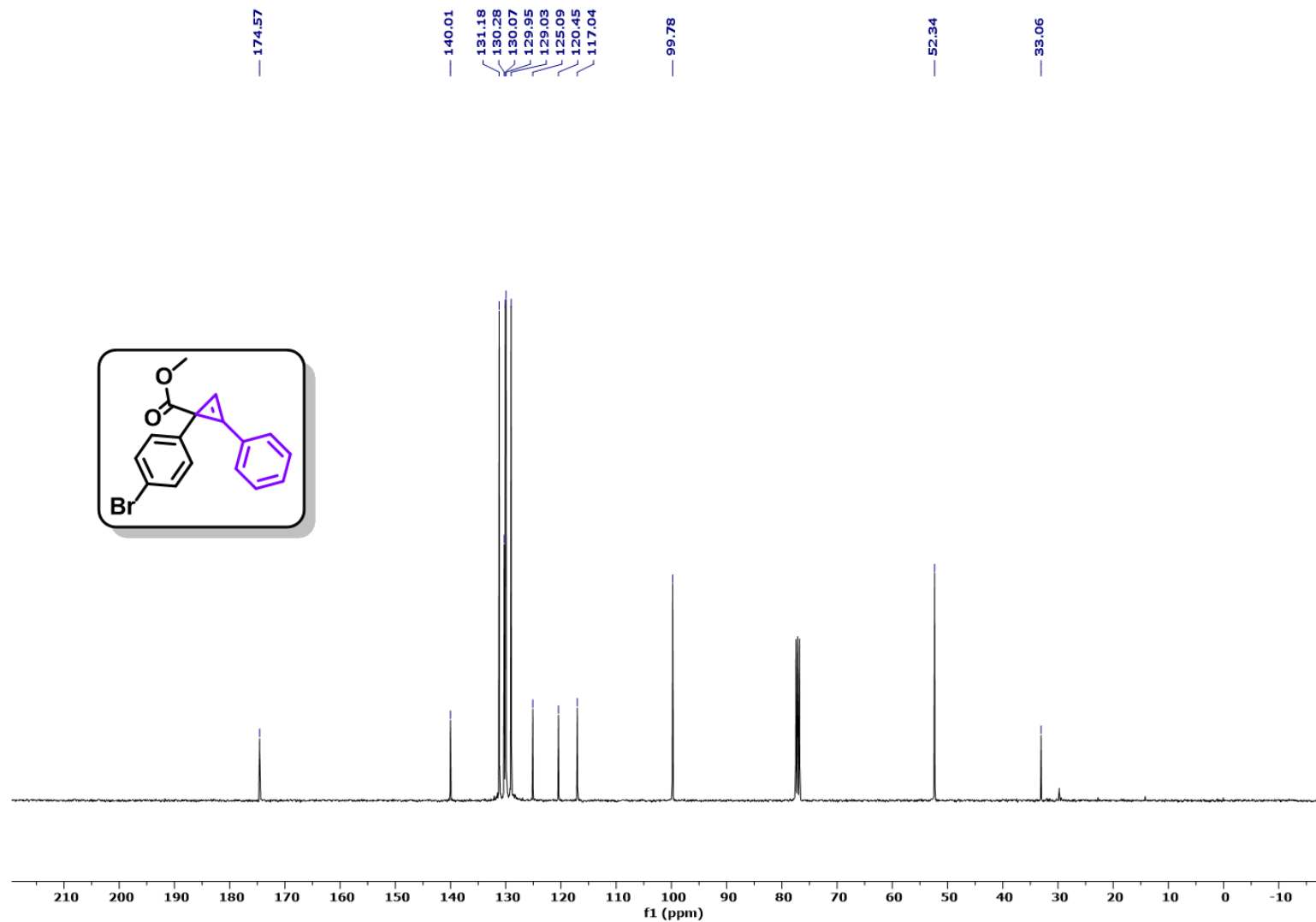


Fig. S198. ^{13}C NMR (101 MHz, CDCl_3) spectra of methyl 1-(4-bromophenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**12c**).

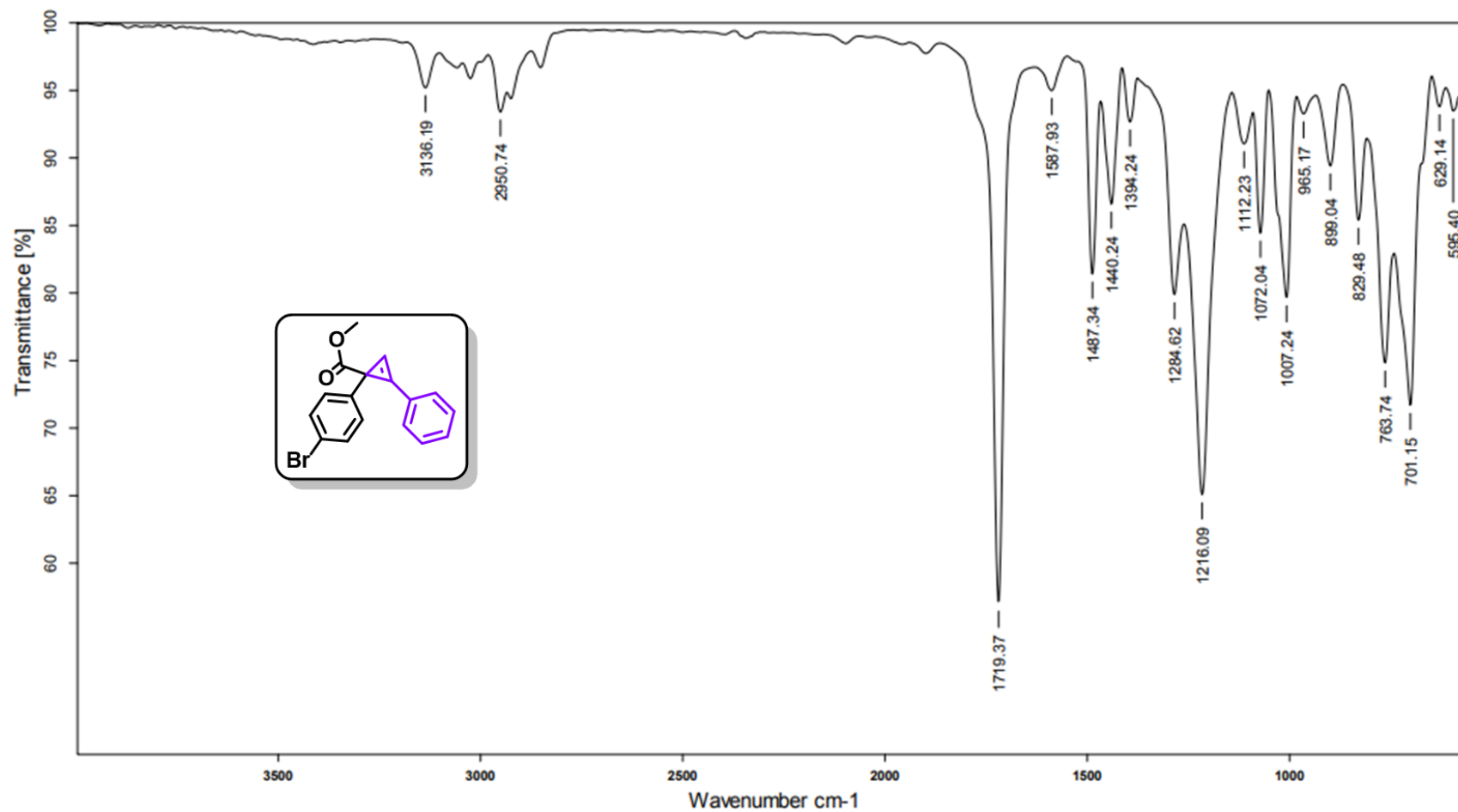


Fig. S199. IR spectra of spectra of methyl 1-(4-bromophenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**12c**).

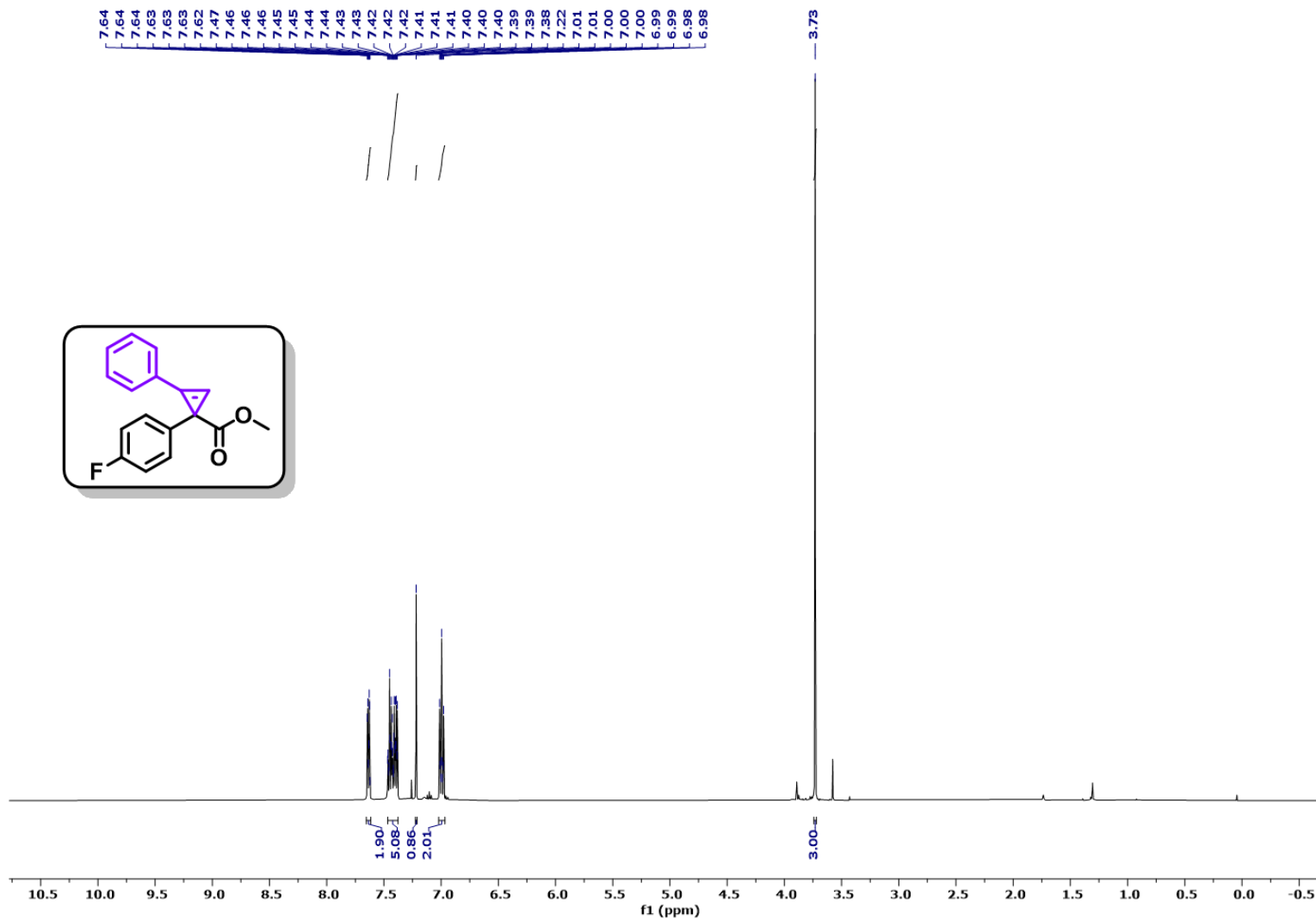


Fig. S200. ¹H NMR (500 MHz, CDCl₃) spectra of methyl 1-(4-fluorophenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**12d**).

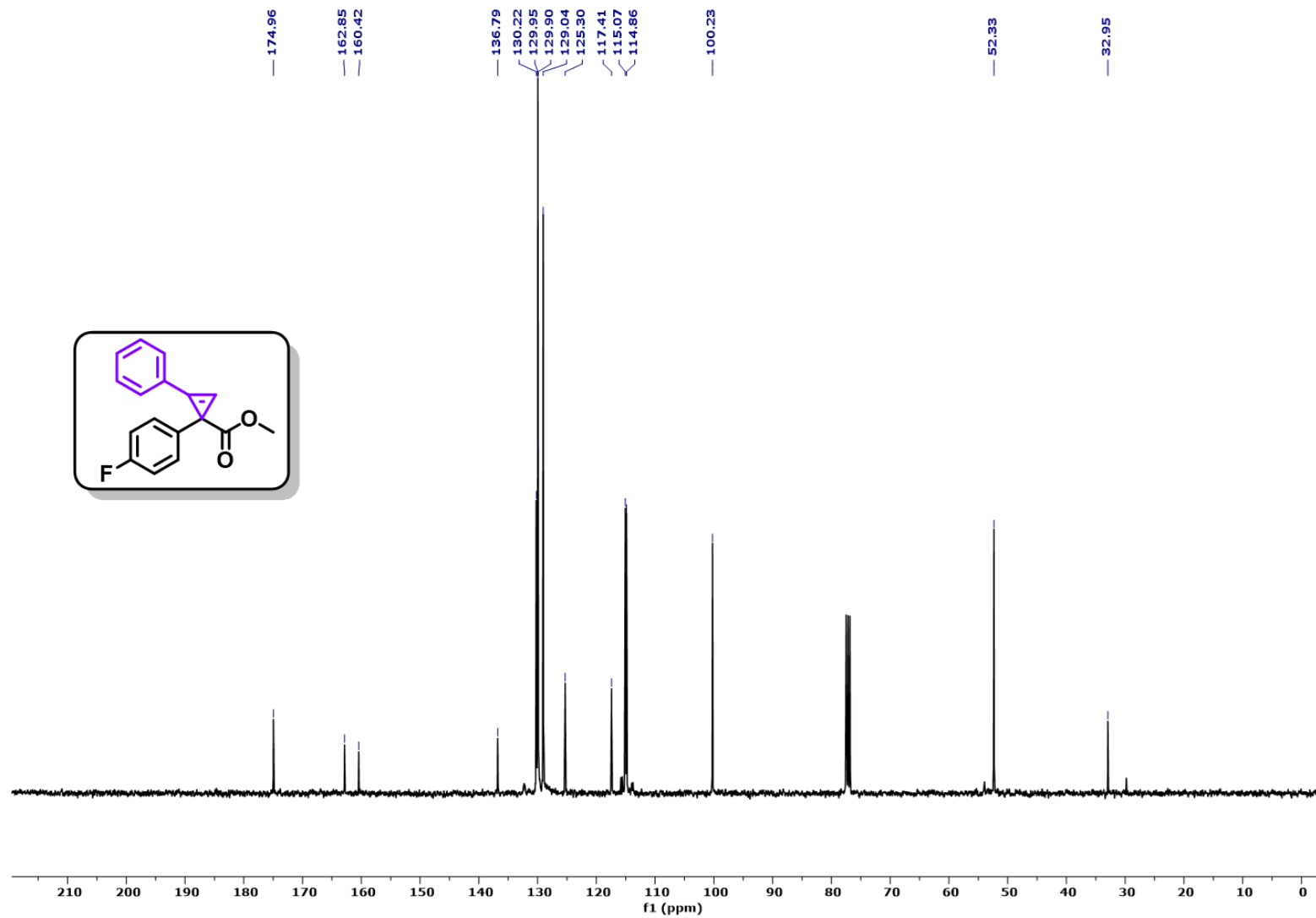


Fig. S201. ¹³C NMR (101 MHz, CDCl₃) spectra of methyl 1-(4-fluorophenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**12d**).

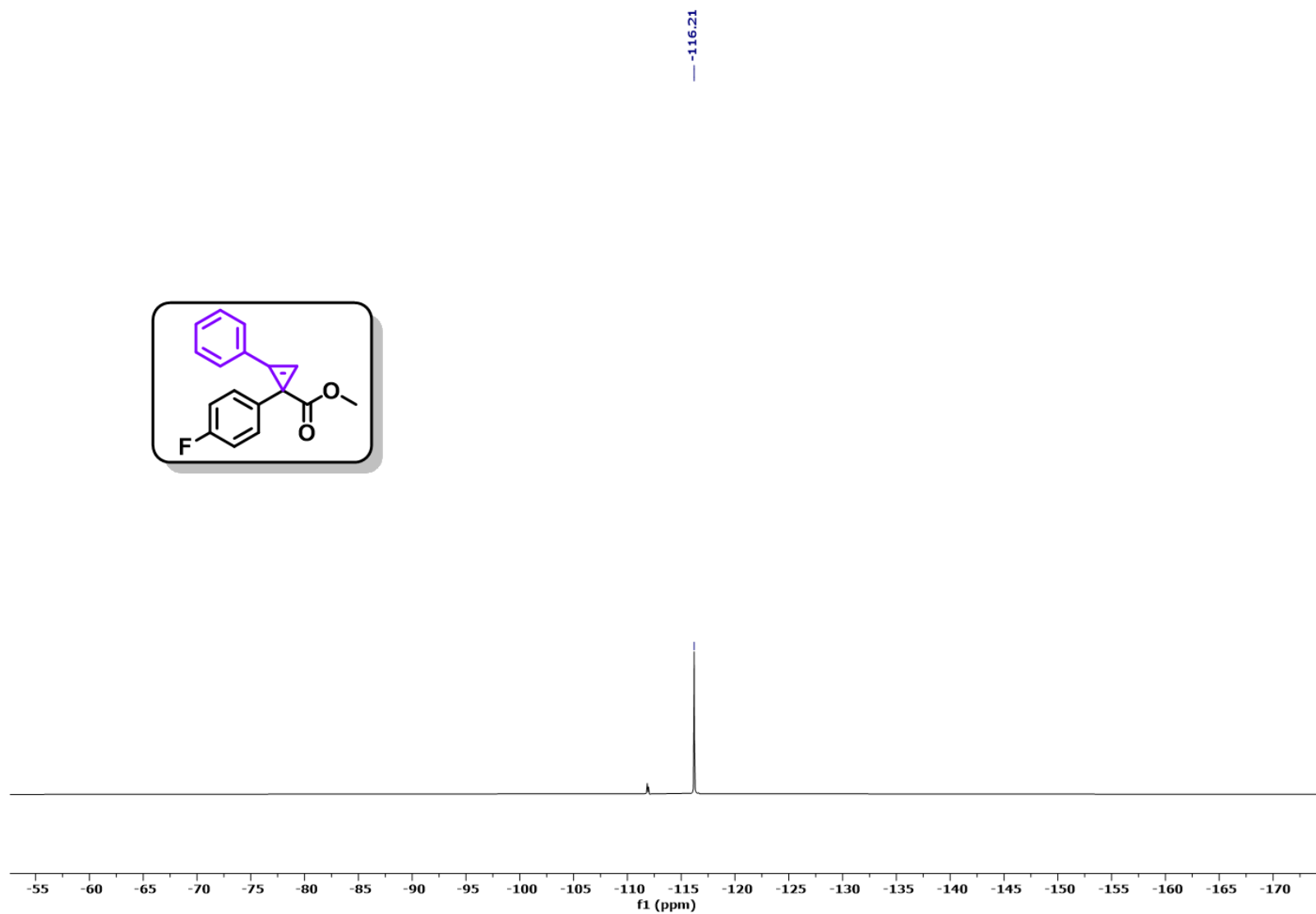


Fig. S202. ^{19}F NMR (377 MHz, CDCl_3) spectra of methyl 1-(4-fluorophenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**3c**).

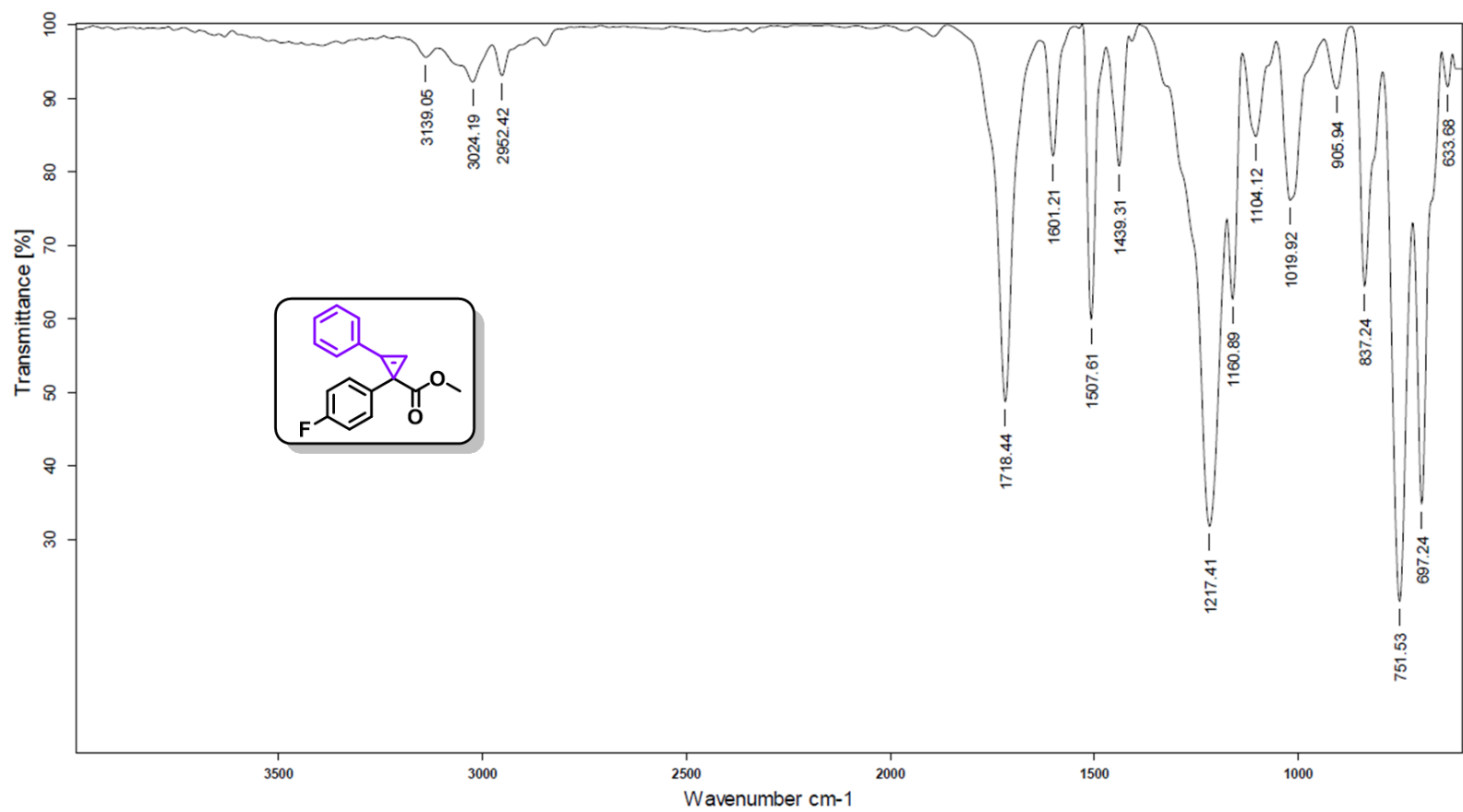


Fig. S203. IR spectra of spectra of methyl 1-(4-fluorophenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**3c**).

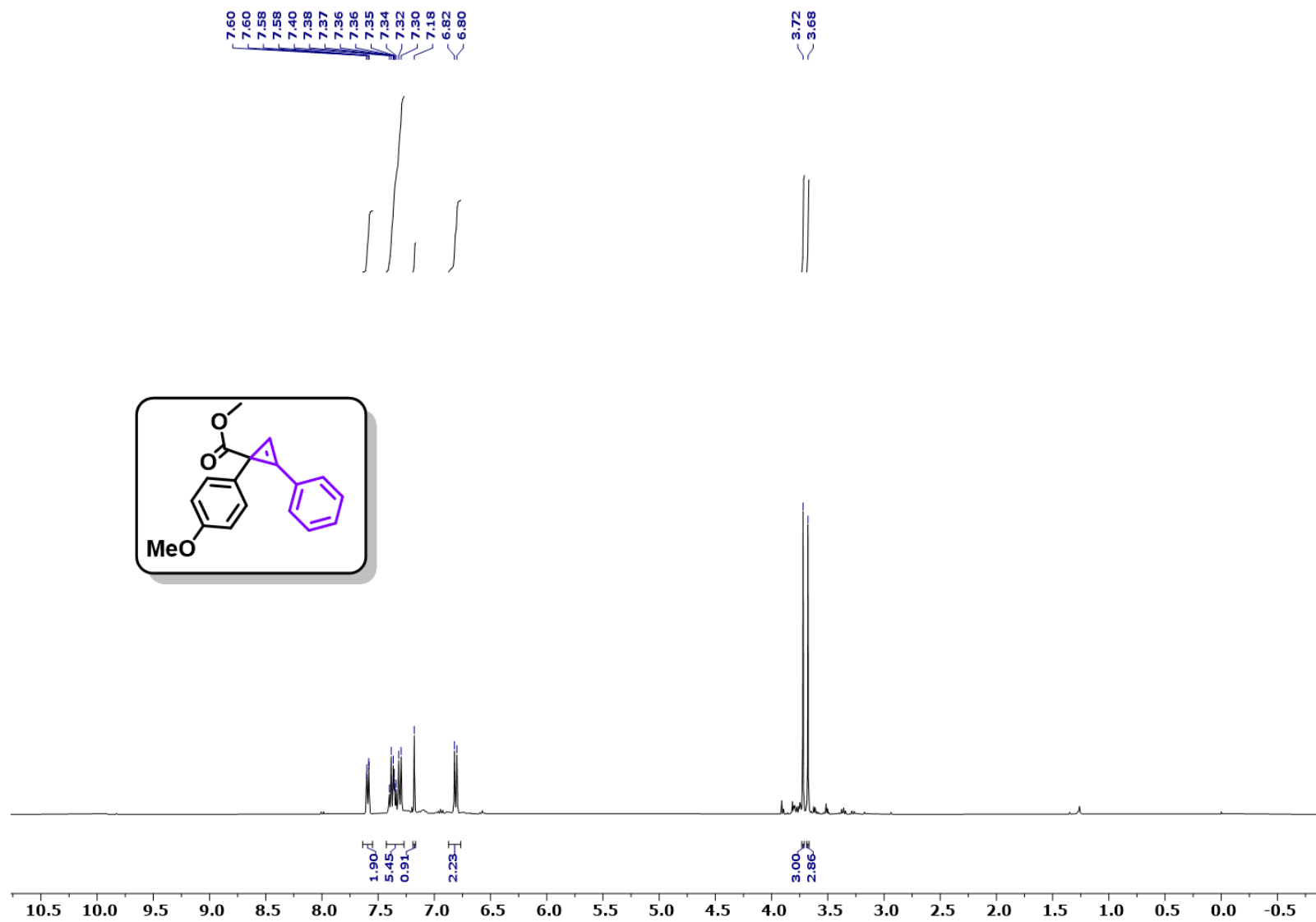


Fig. S204. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 1-(4-methoxyphenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**12e**).

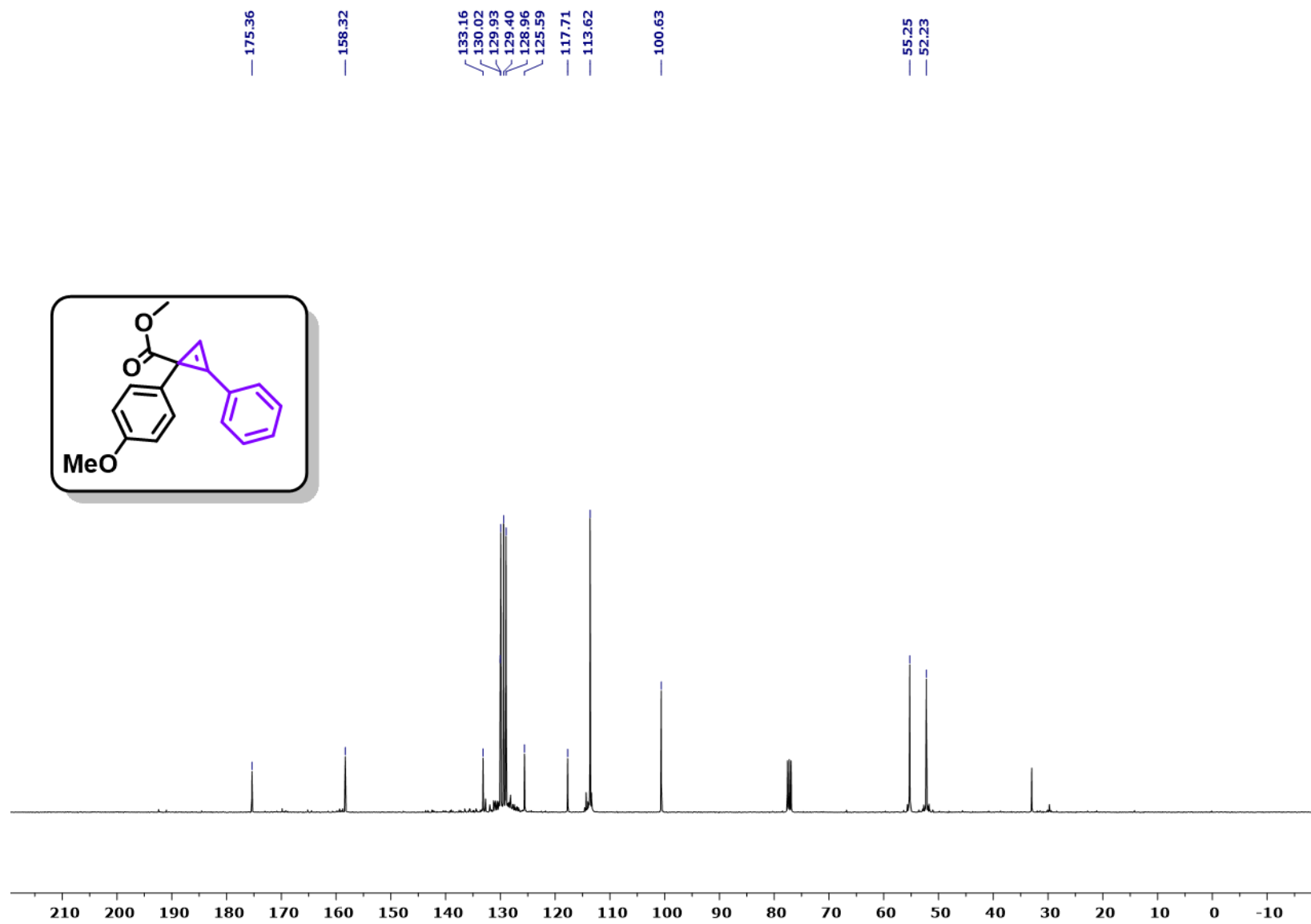


Fig. S205. ¹³C NMR (101 MHz, CDCl₃) spectra of methyl 2-(4-fluorophenyl)-1-(4-methoxyphenyl)cycloprop-2-ene-1-carboxylate (**12e**).

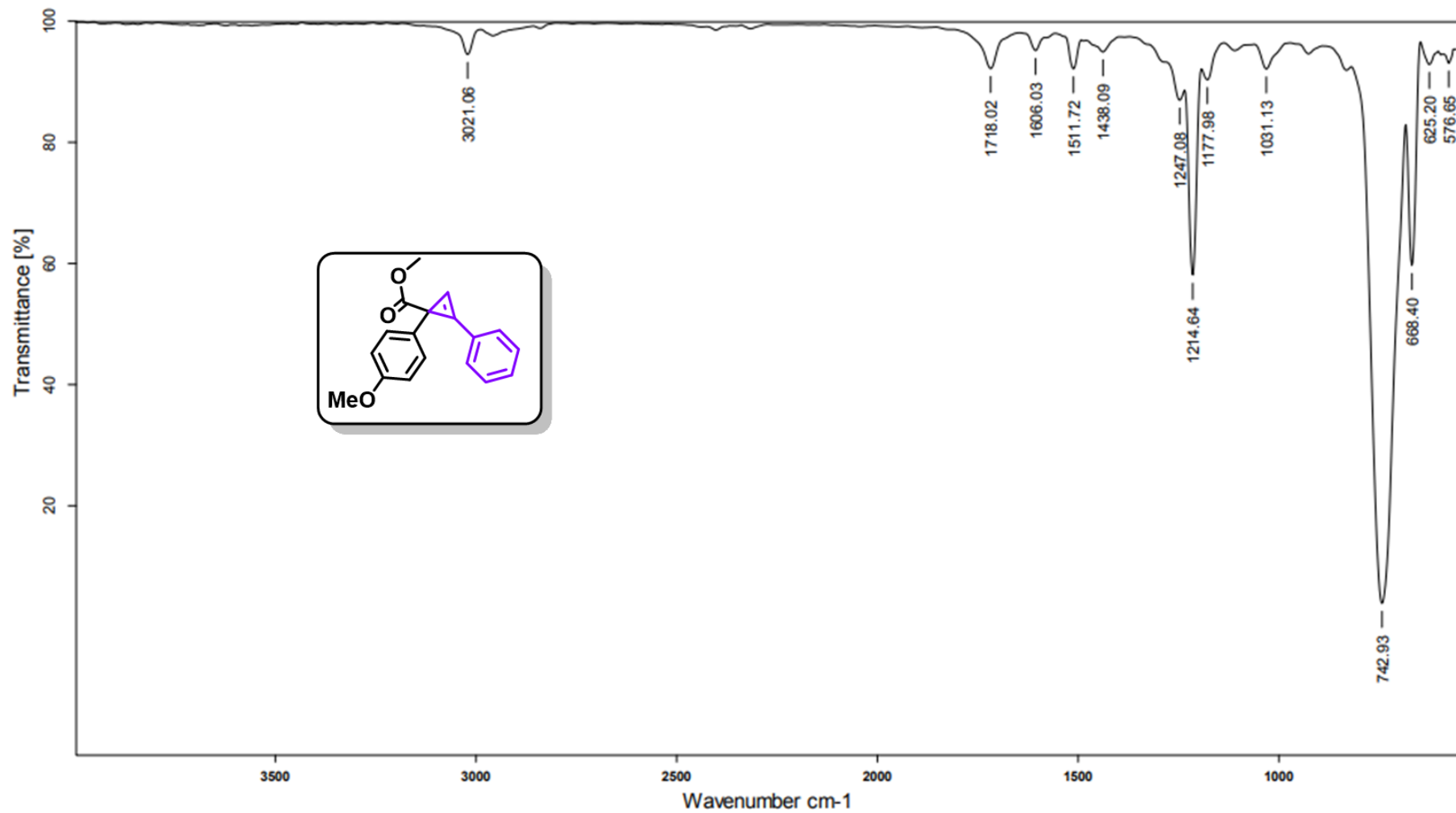


Fig. S206. IR spectra of spectra of methyl 2-(4-fluorophenyl)-1-(4-methoxyphenyl)cycloprop-2-ene-1-carboxylate (**12e**).

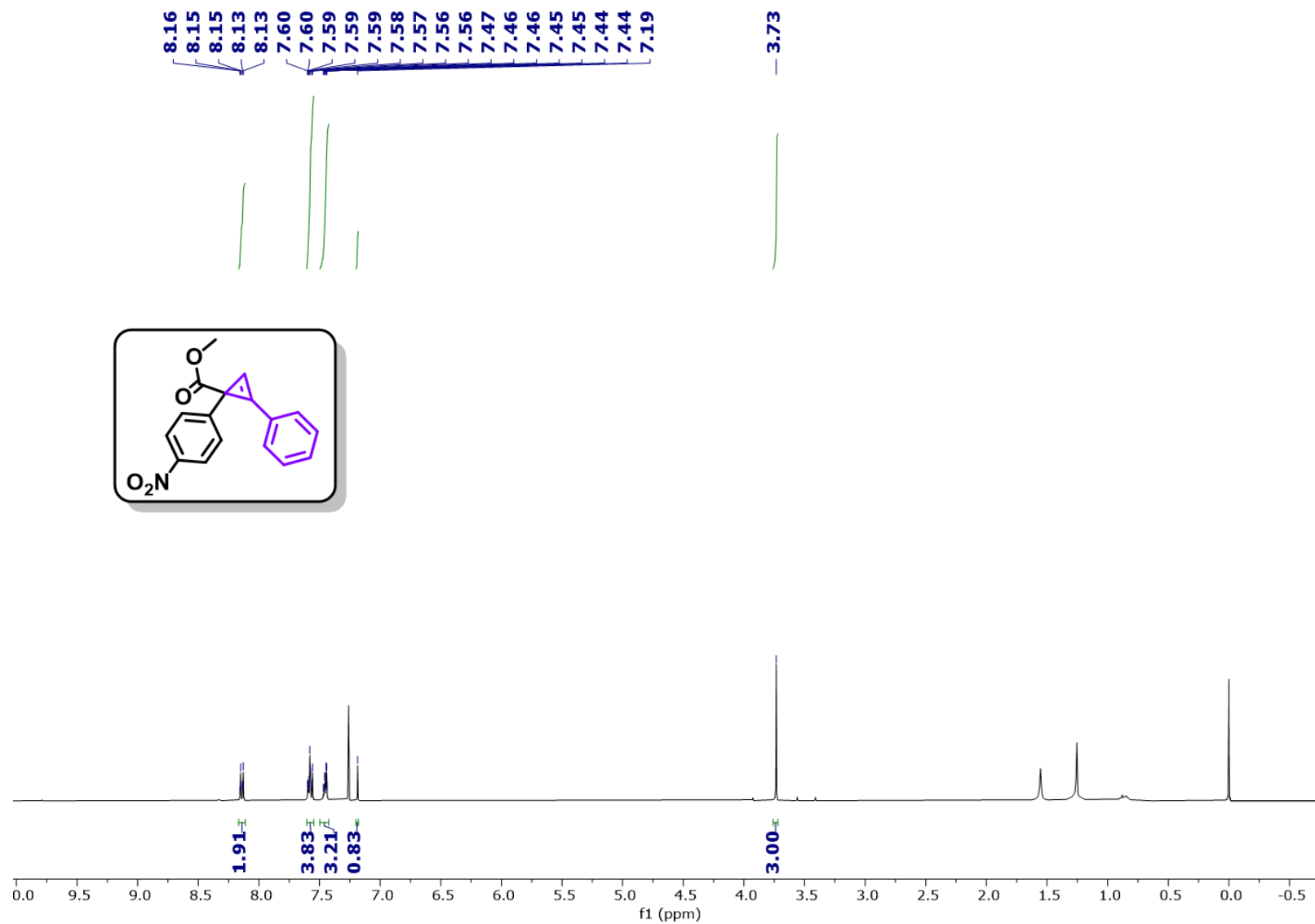


Fig. S207. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 1-(4-nitrophenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**12f**).

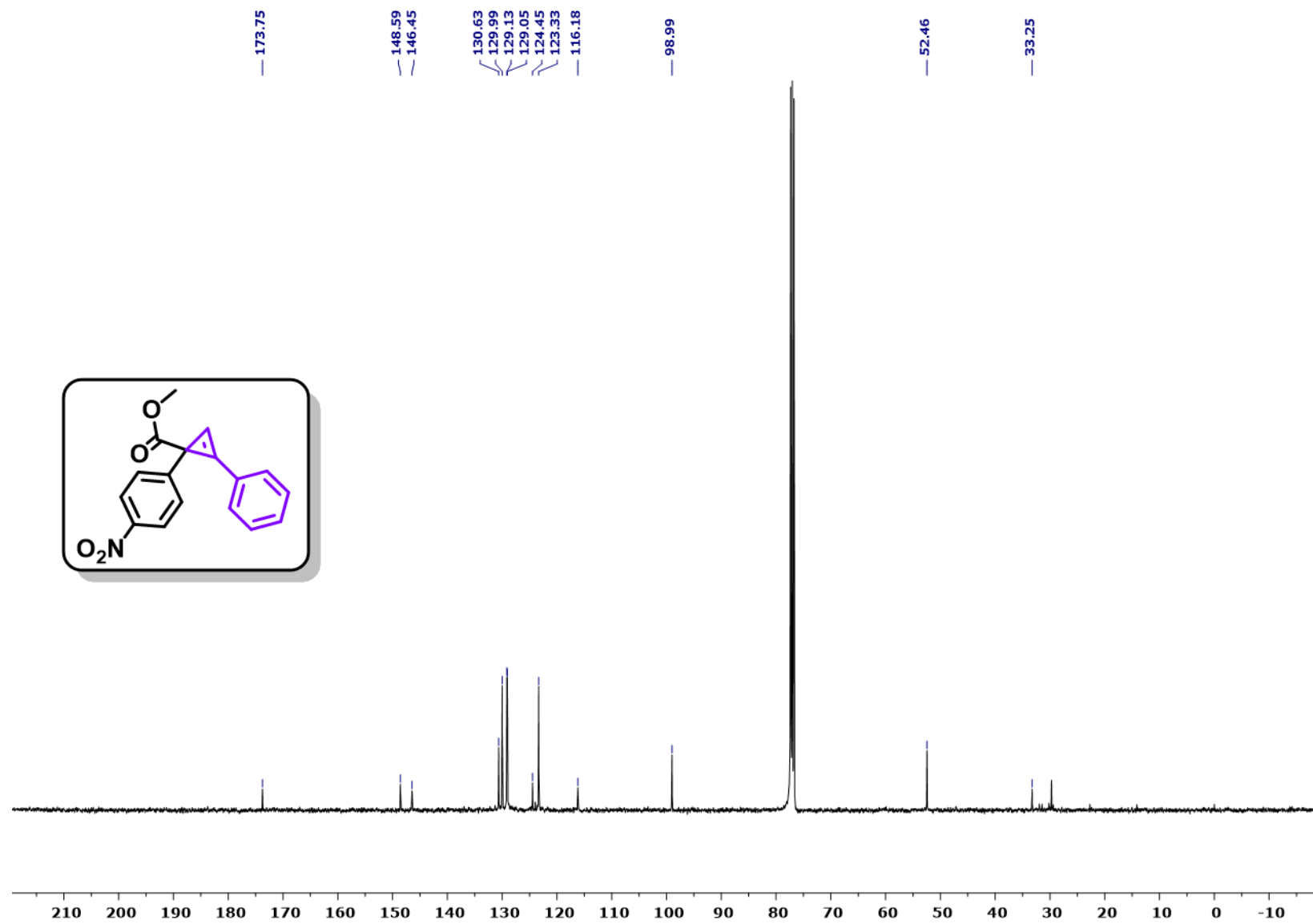


Fig. S208. ¹³C NMR (101 MHz, CDCl₃) spectra of methyl 1-(4-nitrophenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**12f**).

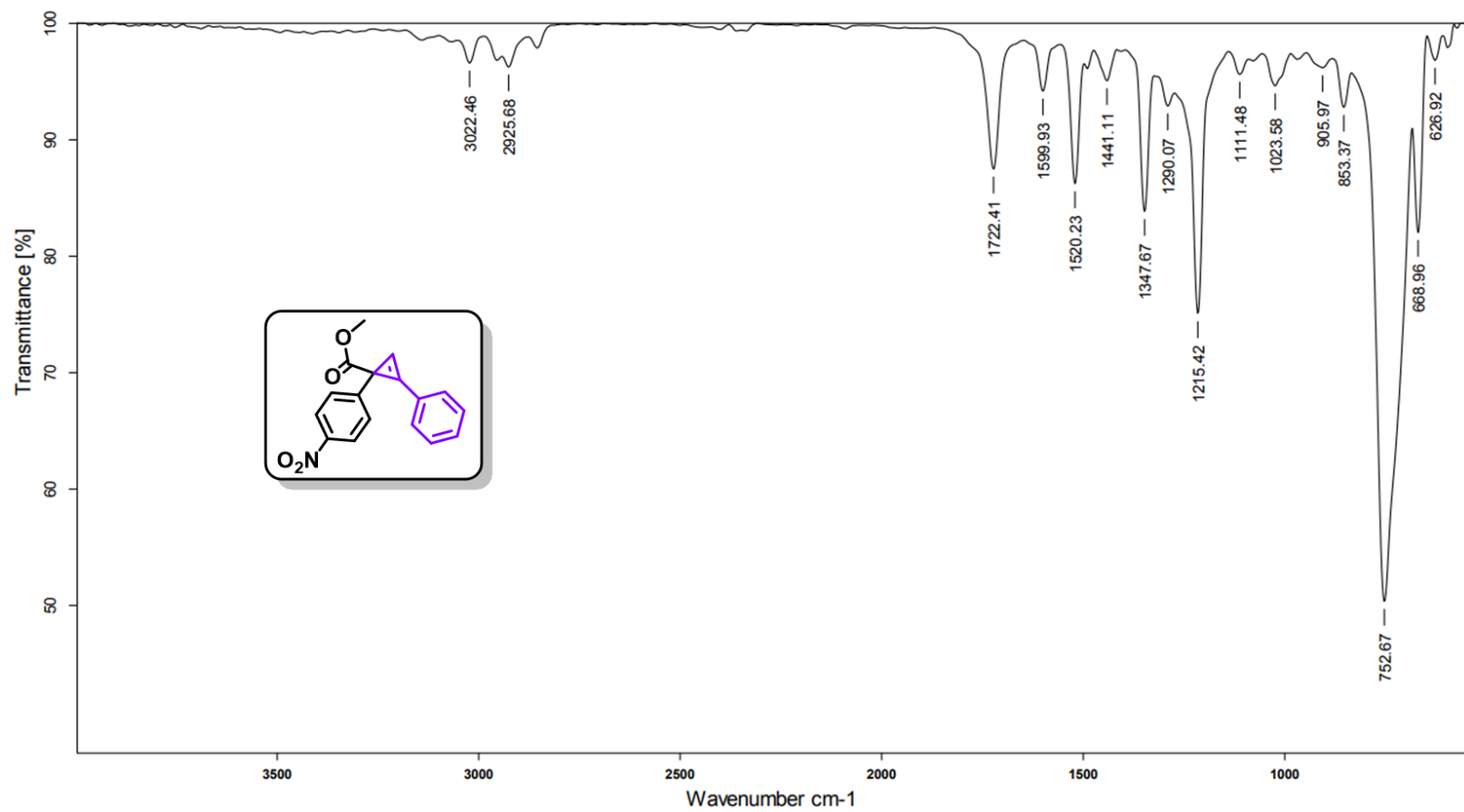


Fig. S209. IR spectra of spectra of methyl 1-(4-nitrophenyl)-2-phenylcycloprop-2-ene-1-carboxylate (**12f**).

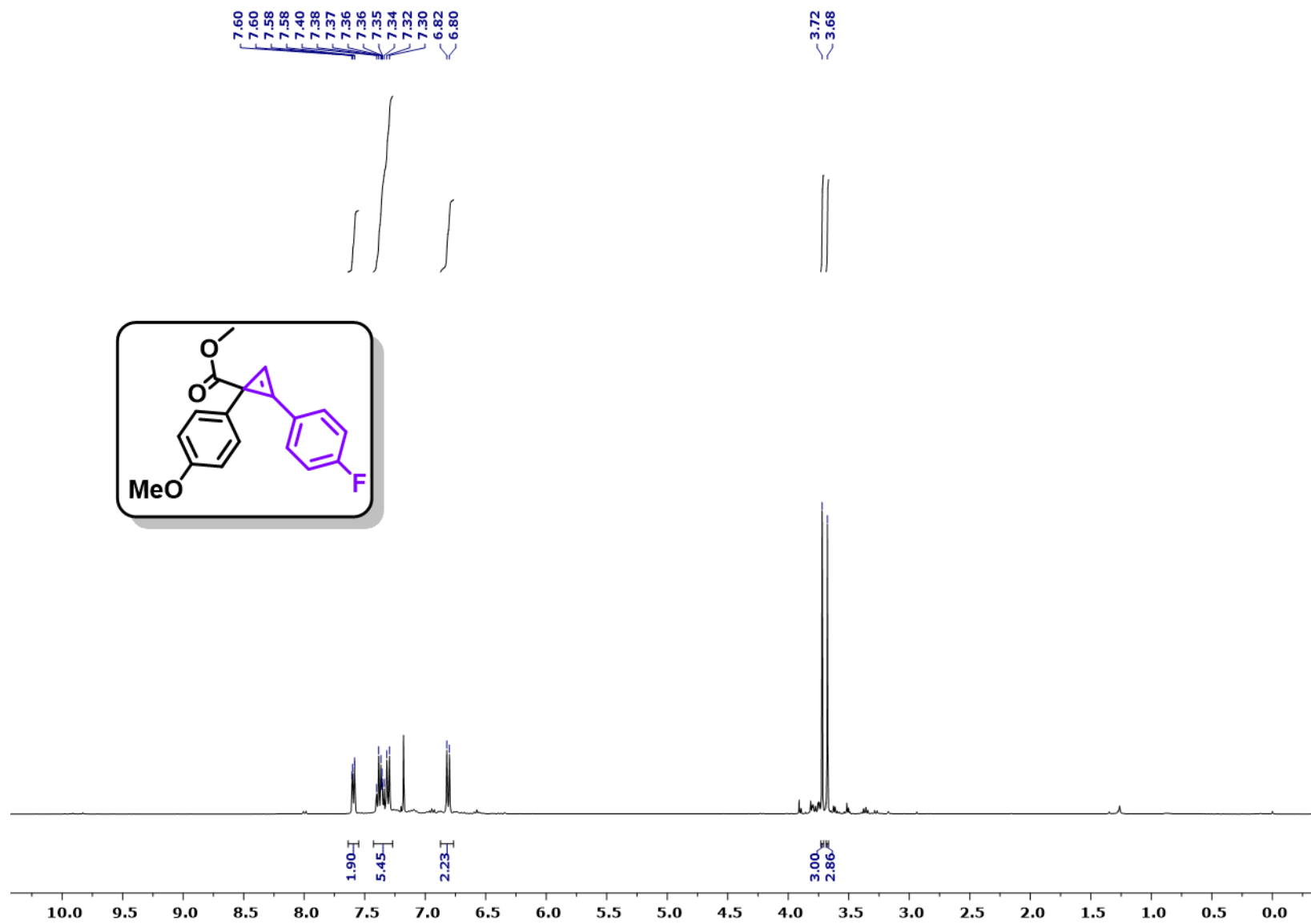


Fig. S210. ¹H NMR (400 MHz, CDCl₃) spectra of methyl 2-(4-fluorophenyl)-1-(4-methoxyphenyl)cycloprop-2-ene-1-carboxylate (**12g**).

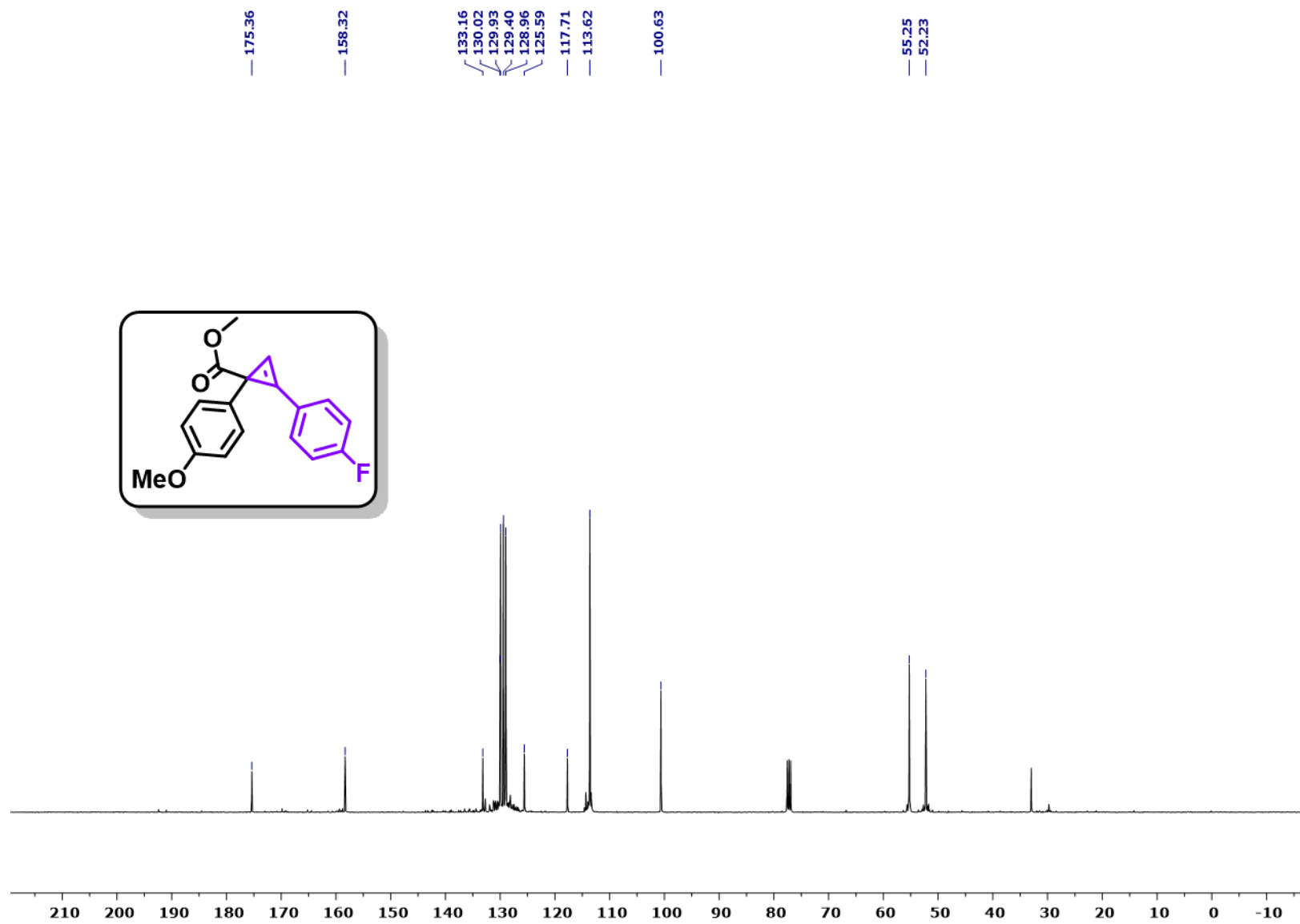


Fig. S211. ¹³C NMR (101 MHz, CDCl₃) spectra of methyl 2-(4-fluorophenyl)-1-(4-methoxyphenyl)cycloprop-2-ene-1-carboxylate (**12g**).

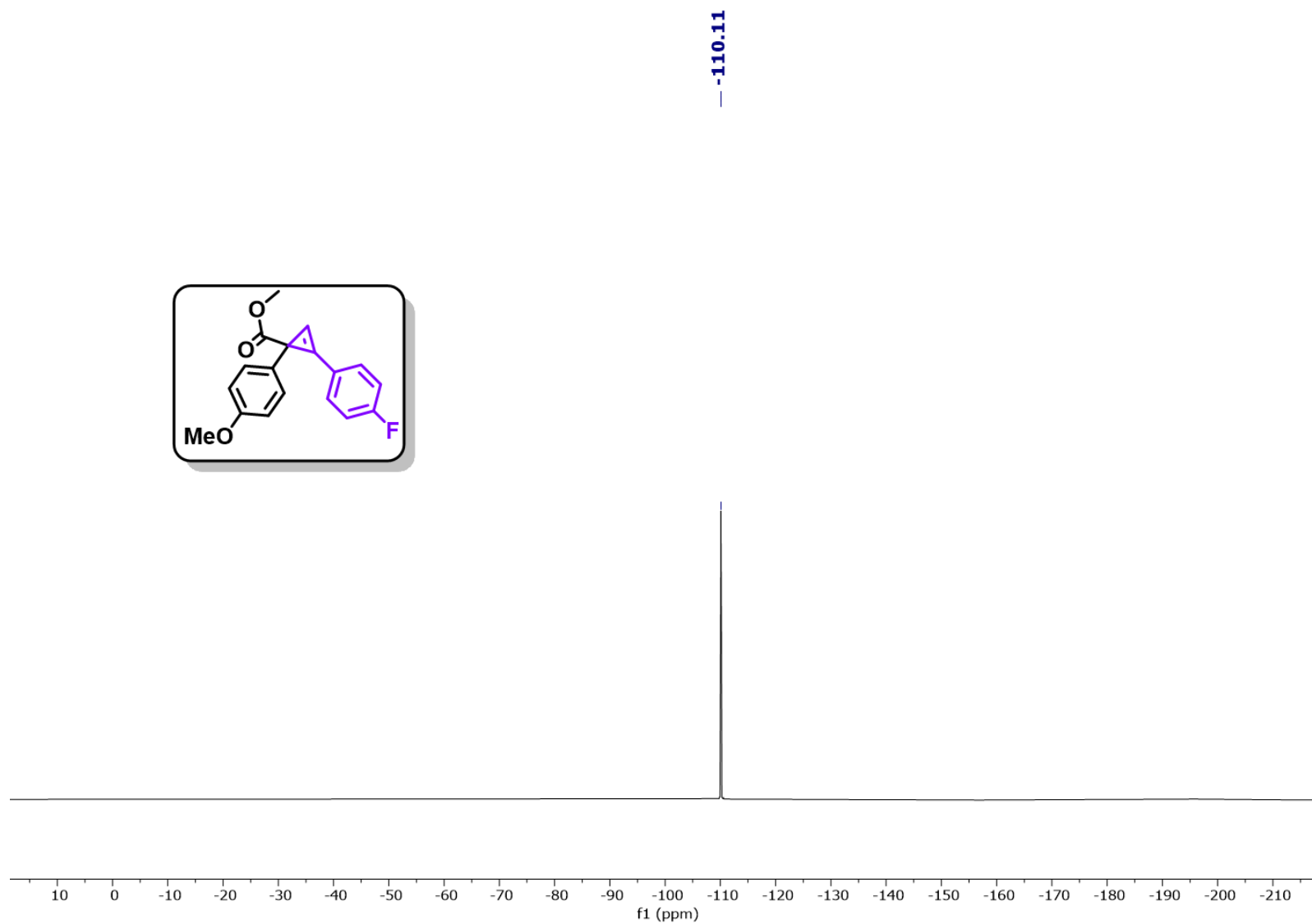


Fig. S212. ^{19}F NMR (376 MHz, CDCl_3) spectra of methyl 2-(4-fluorophenyl)-1-(4-methoxyphenyl)cycloprop-2-ene-1-carboxylate (**12g**).

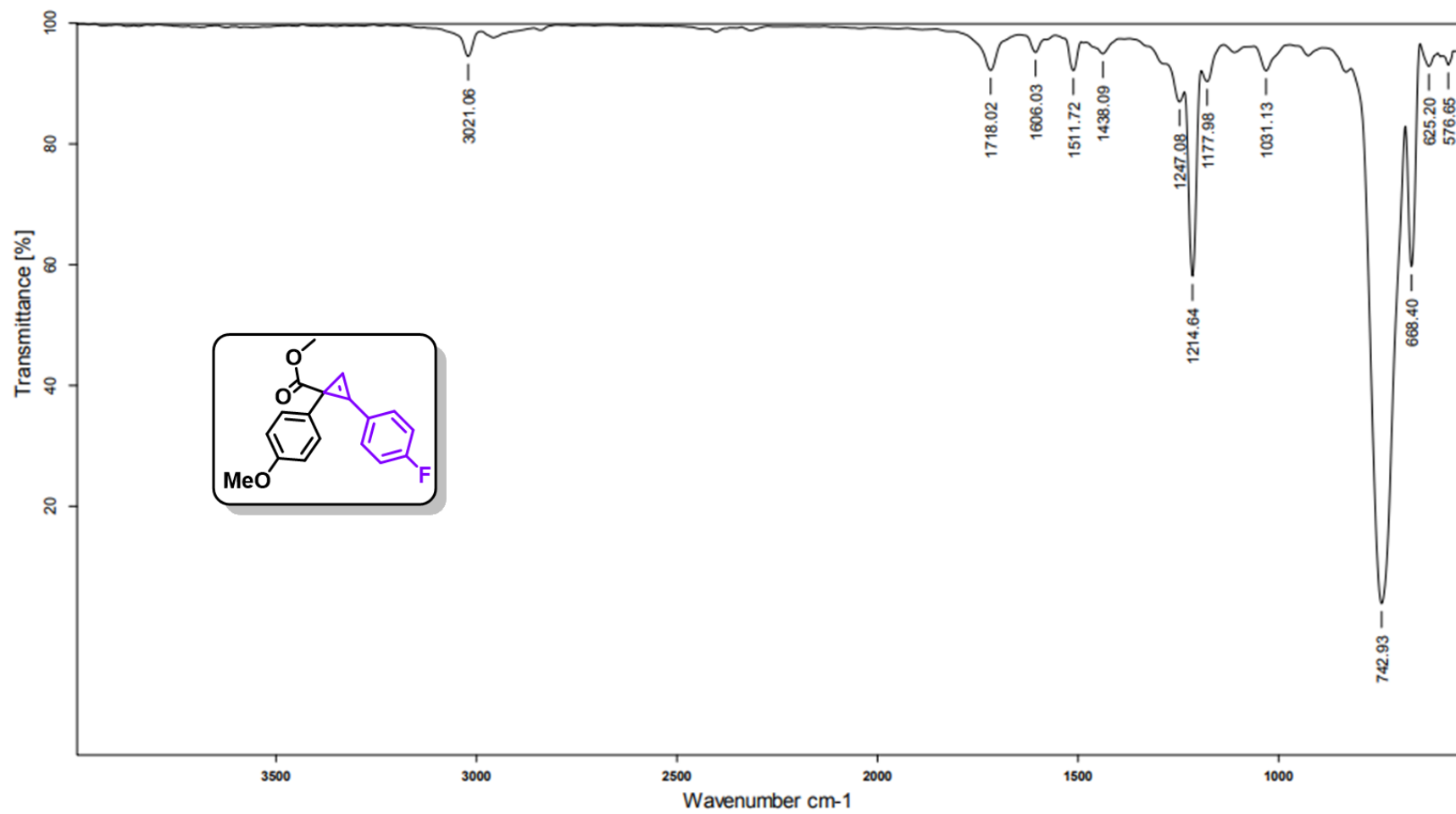


Fig. S213. IR spectra of spectra of methyl 2-(4-fluorophenyl)-1-(4-methoxyphenyl)cycloprop-2-ene-1-carboxylate (**12g**).

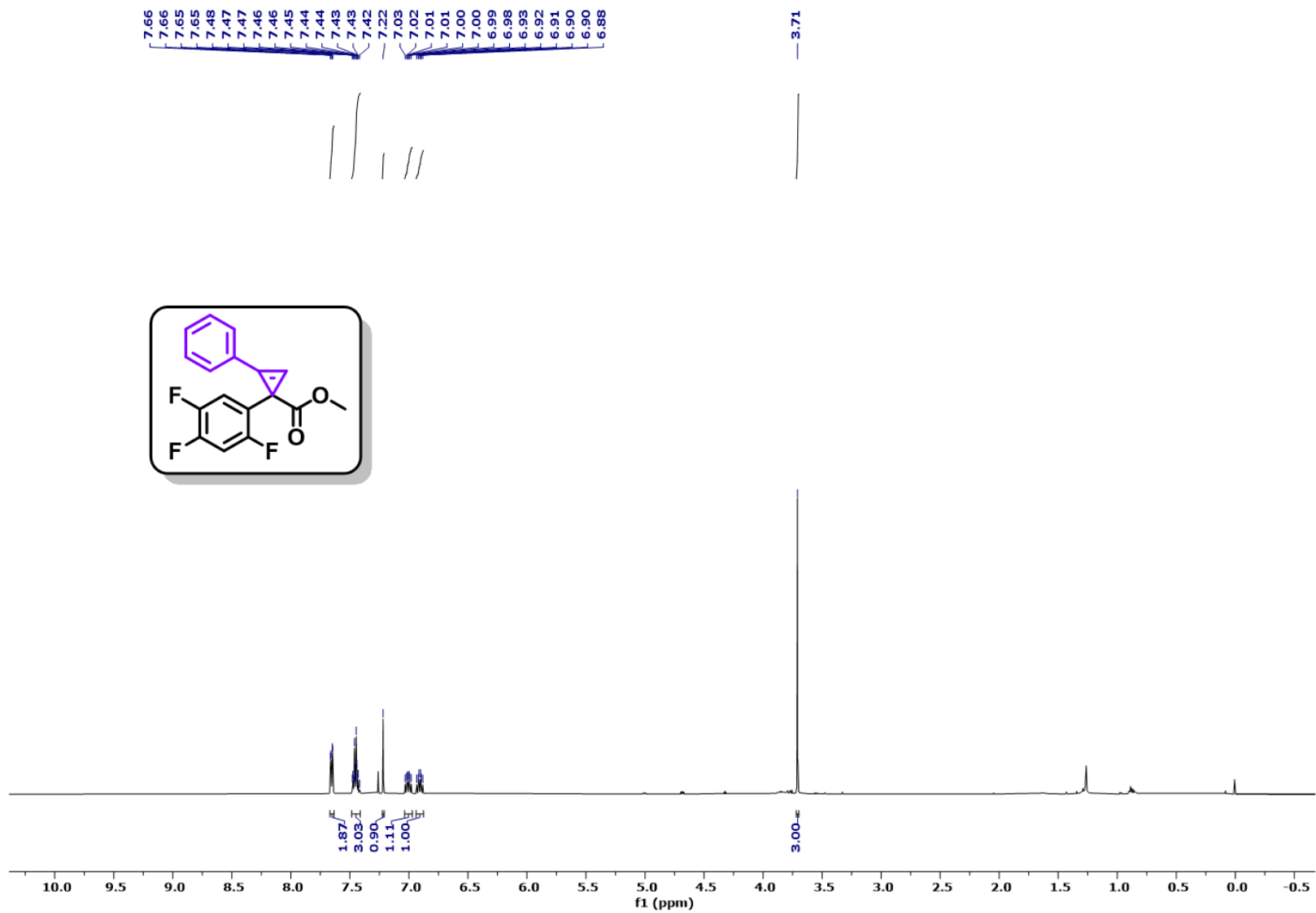


Fig. S214. ¹H NMR (500 MHz, CDCl₃) spectra of methyl 2-phenyl-1-(2,4,5-trifluorophenyl)cycloprop-2-ene-1-carboxylate (**12h**).

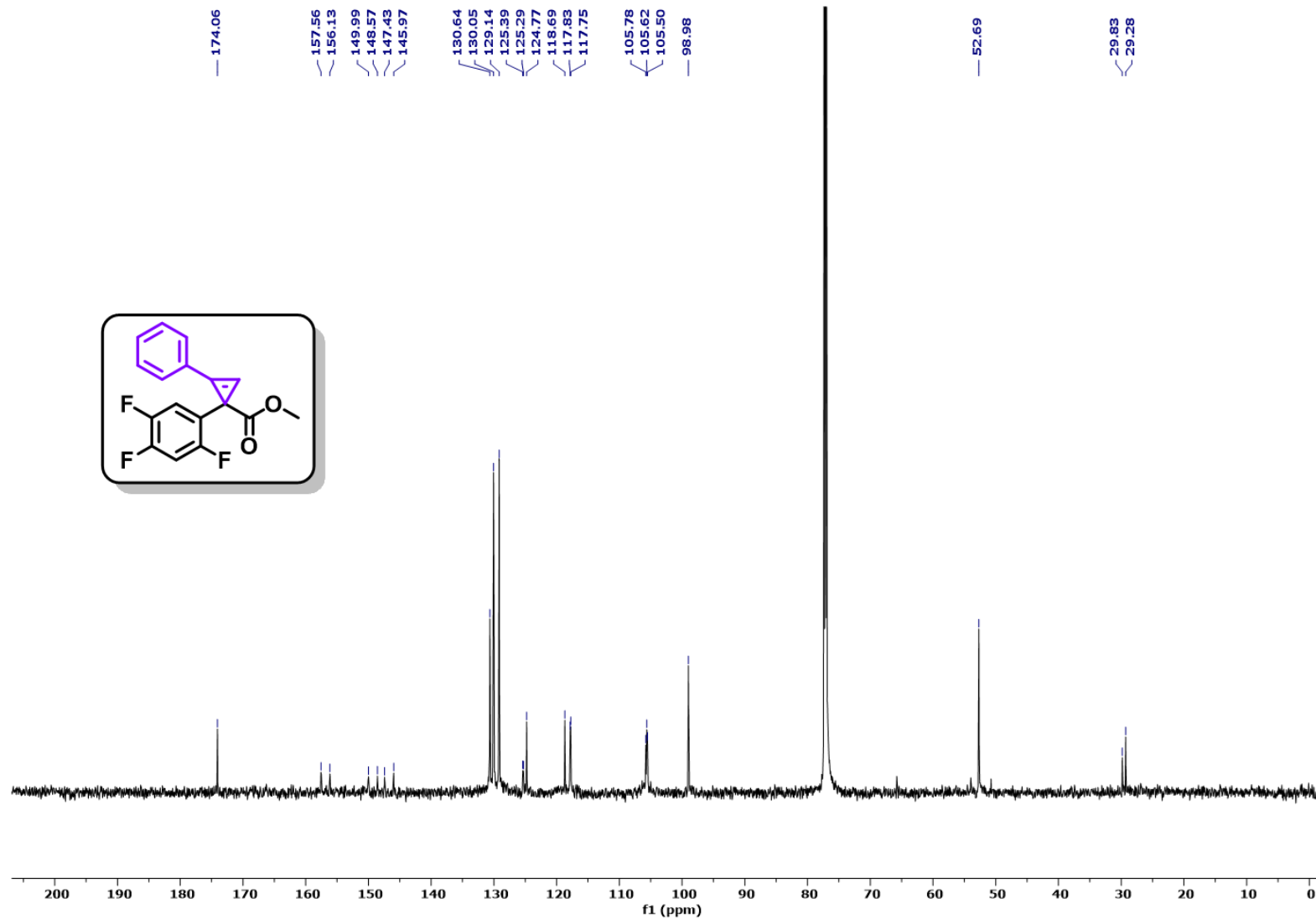


Fig. S215. ^{13}C NMR (176 MHz, CDCl_3) spectra of methyl 2-phenyl-1-(2,4,5-trifluorophenyl)cycloprop-2-ene-1-carboxylate (**12h**).

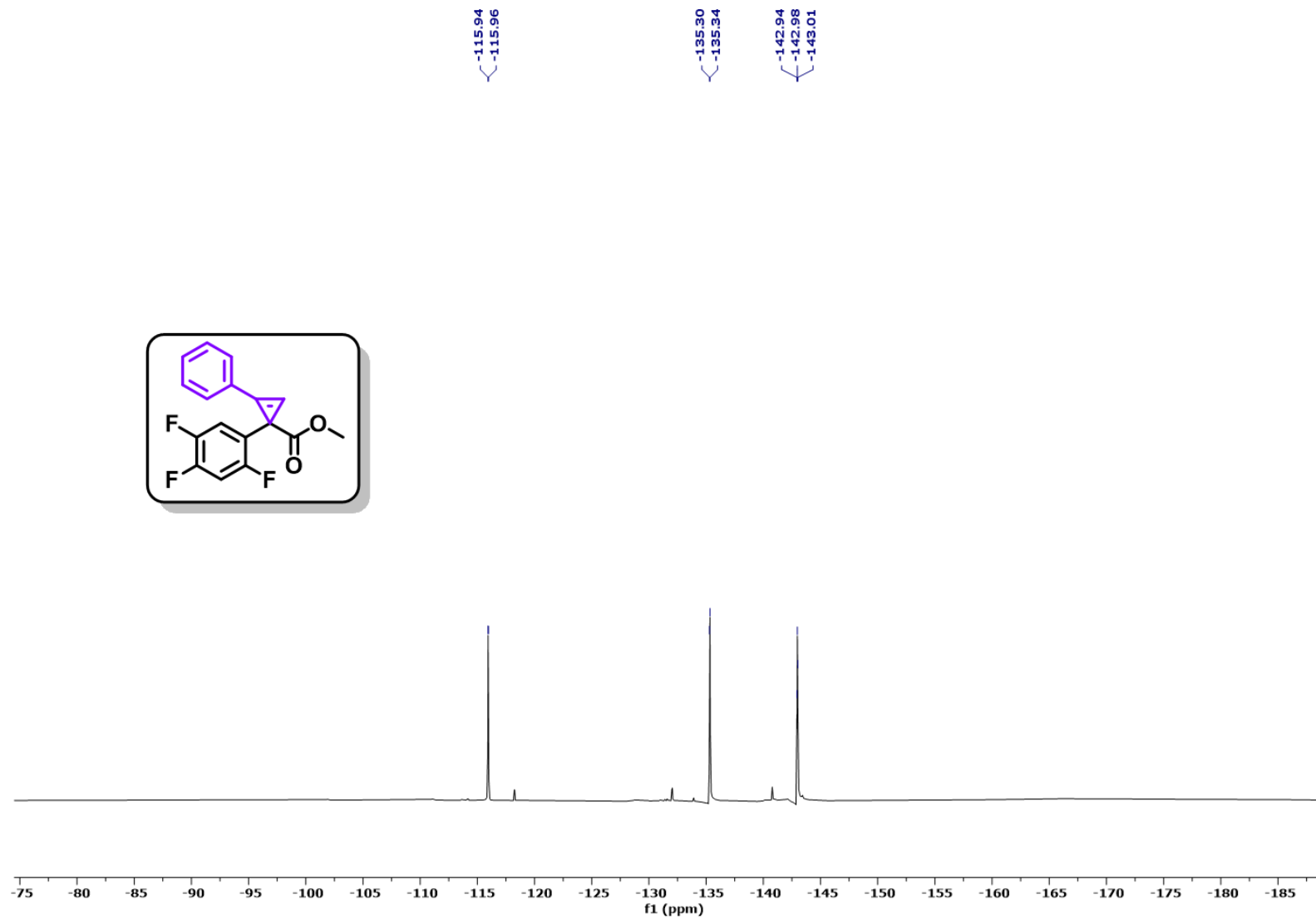


Fig. S216. ^{19}F NMR (471 MHz, CDCl_3) spectra of methyl 2-phenyl-1-(2,4,5-trifluorophenyl)cycloprop-2-ene-1-carboxylate (**12h**).

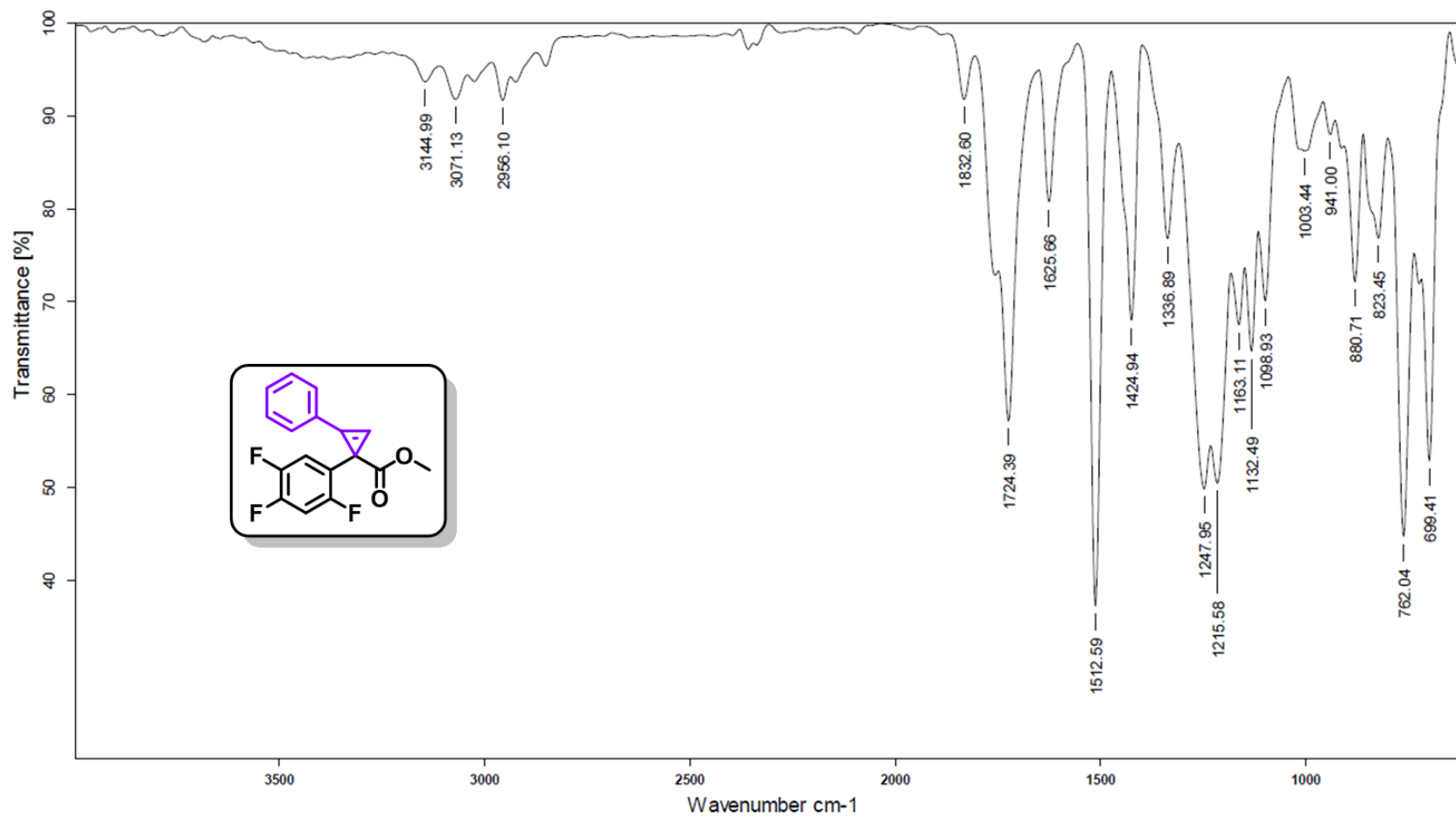


Fig. S217. IR spectra of spectra of methyl 2-phenyl-1-(2,4,5-trifluorophenyl)cycloprop-2-ene-1-carboxylate (**3h**).

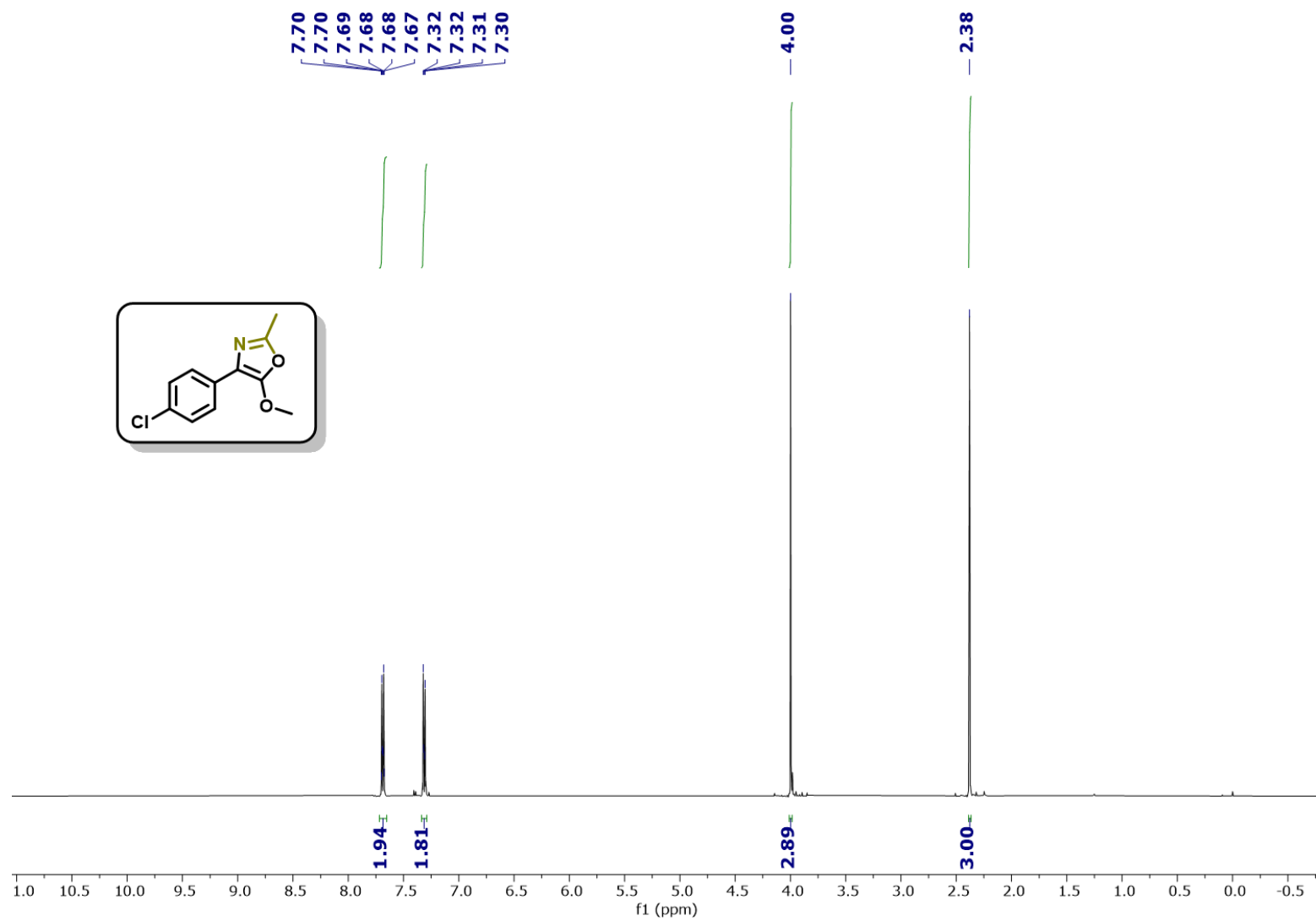


Fig. S218. ¹H NMR (500 MHz, CDCl₃) spectra of 4-(4-chlorophenyl)-5-methoxy-2-methyloxazole (**14a**).

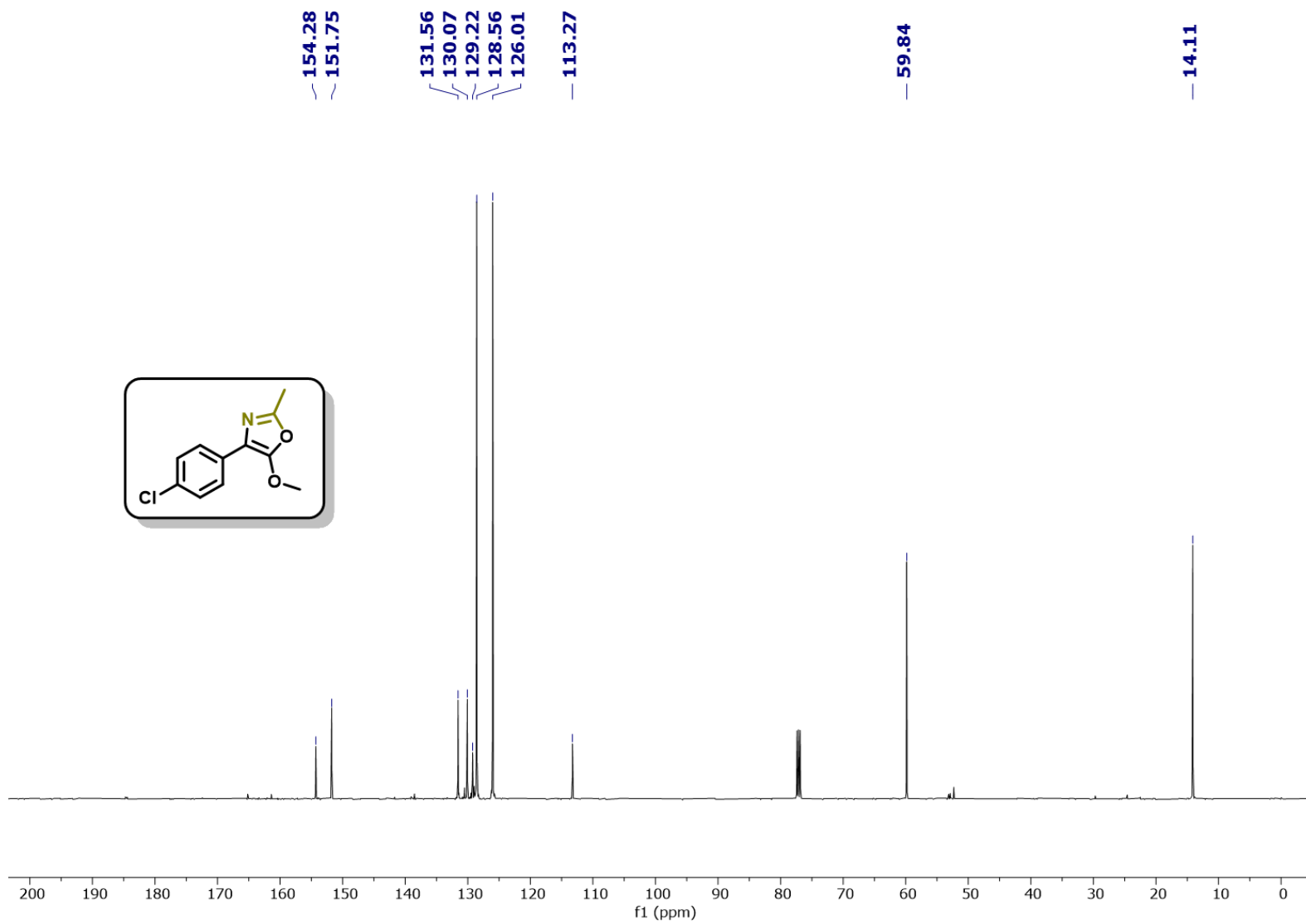


Fig. S219. ¹³C NMR (101 MHz, CDCl₃) spectra of 4-(4-chlorophenyl)-5-methoxy-2-methyl-oxazole (**14a**).

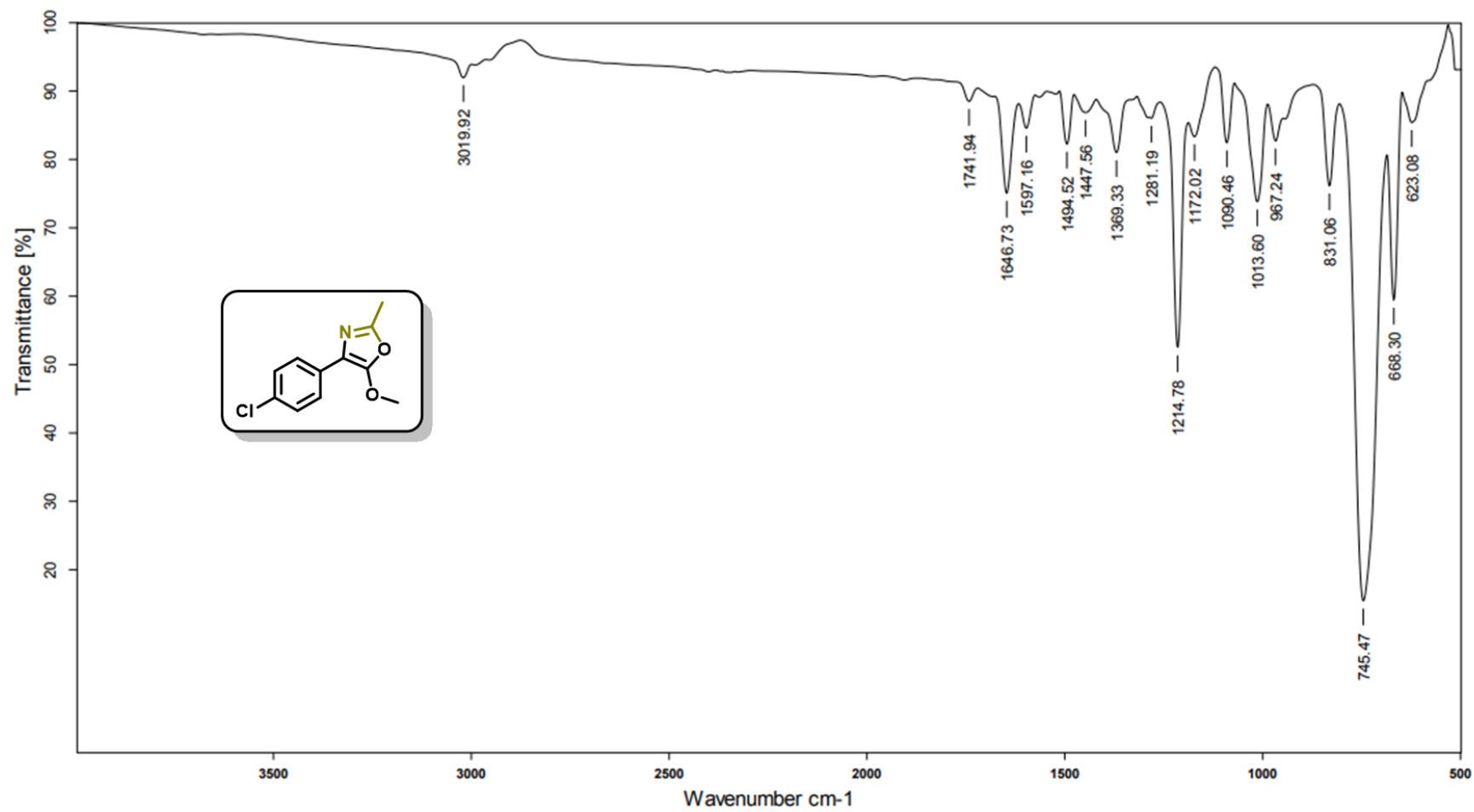


Fig. S220. IR spectra of spectra of 4-(4-chlorophenyl)-5-methoxy-2-methyloxazole (**14a**).

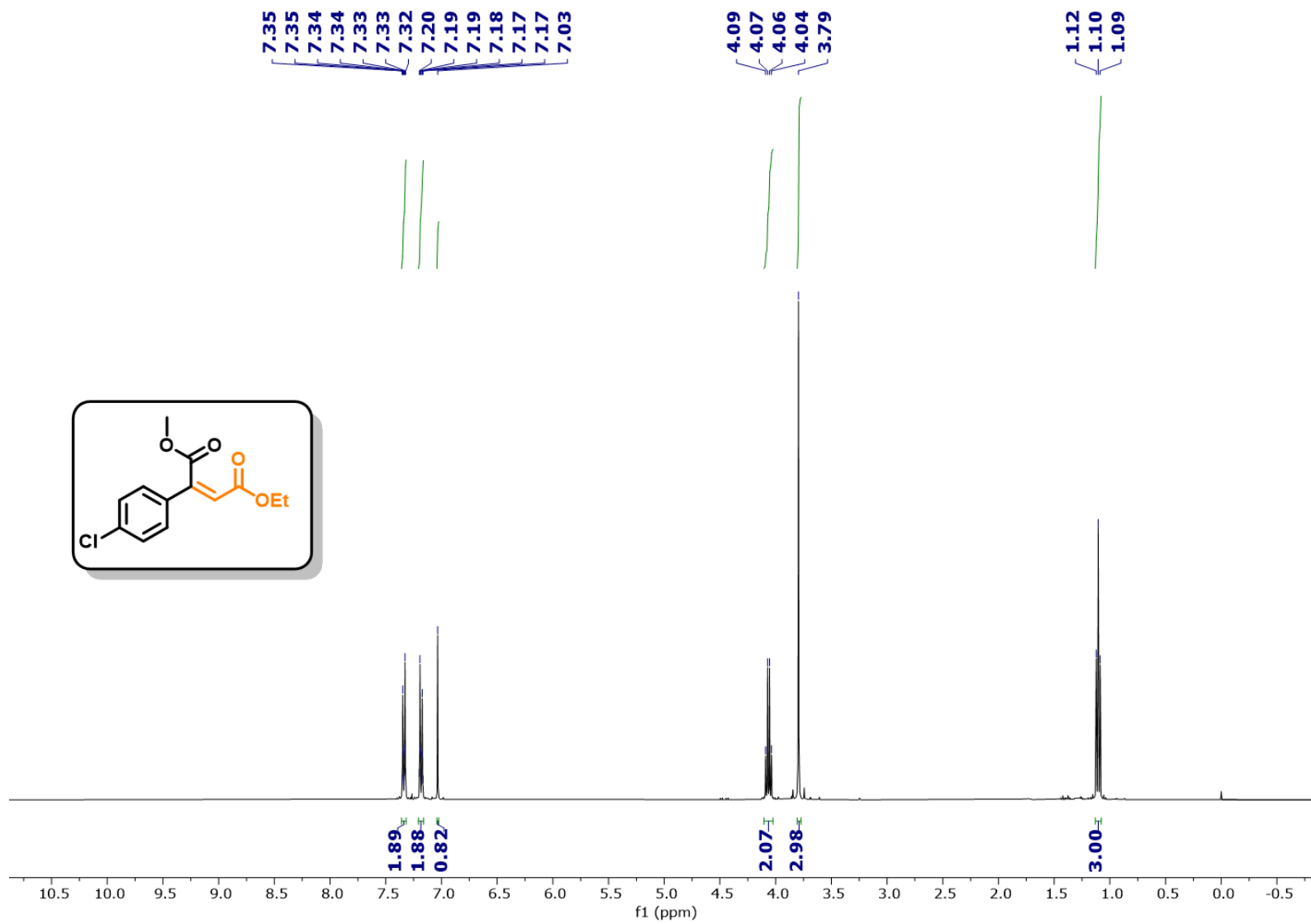


Fig. S221. ¹H NMR (400 MHz, CDCl₃) spectra of 4-ethyl 1-methyl 2-(4-chlorophenyl)maleate (**16a**).

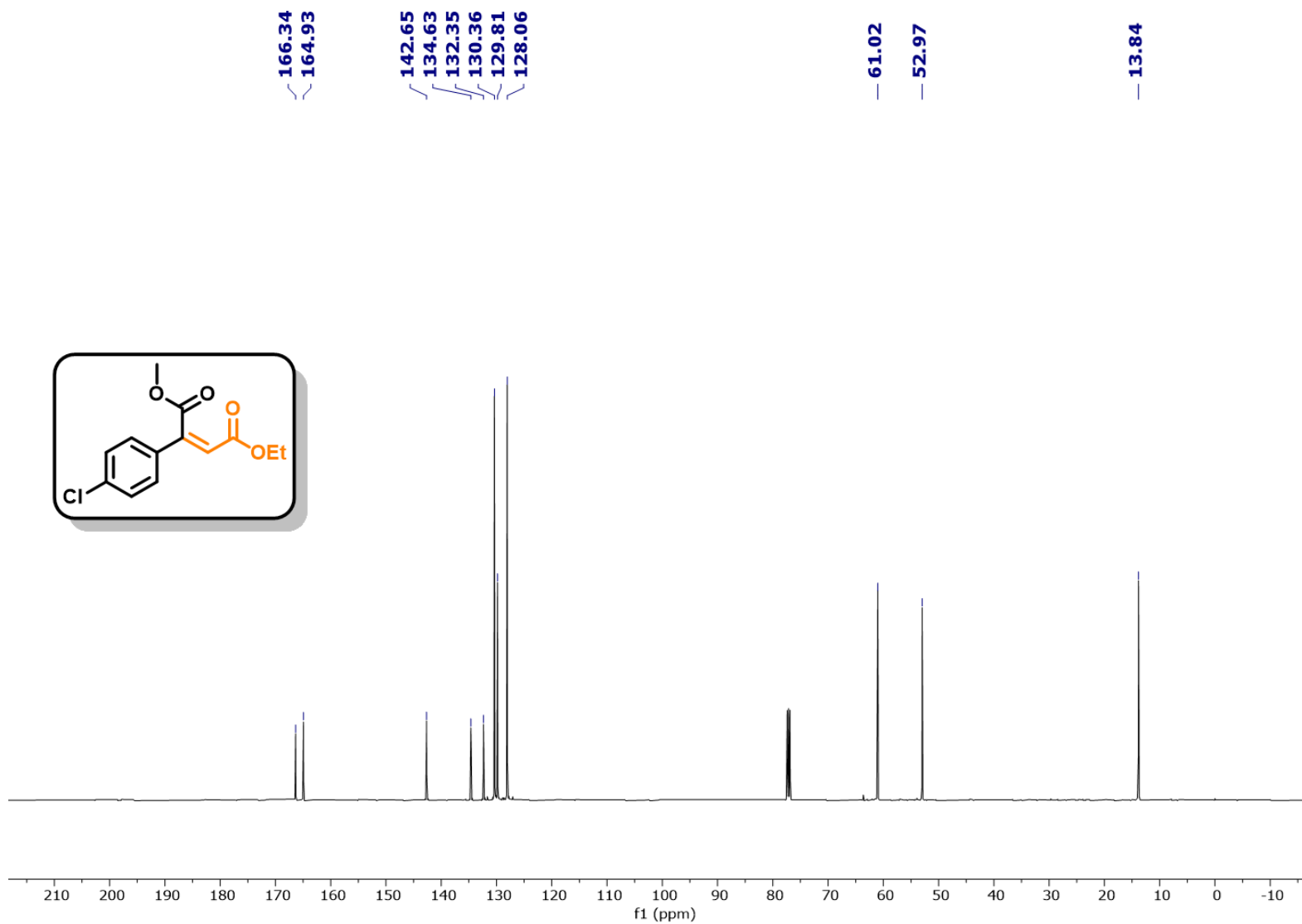


Fig. S222. ^{13}C NMR (126 MHz, CDCl_3) spectra of 4-ethyl 1-methyl 2-(4-chlorophenyl)maleate (**16a**).

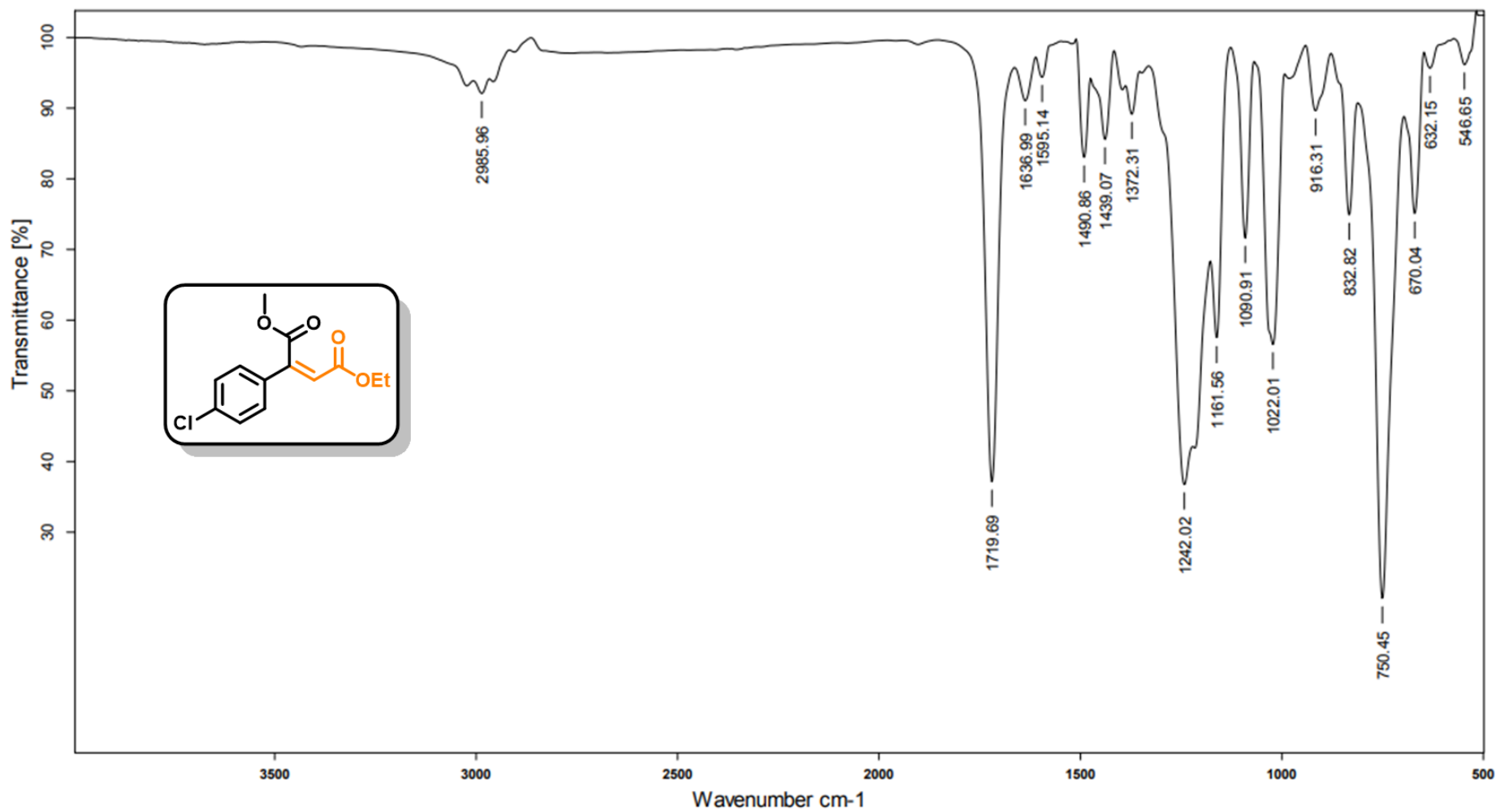


Fig. S223. IR spectra of spectra of 4-ethyl 1-methyl 2-(4-chlorophenyl)maleate (**16a**).