

Supplementary Material (ESI) for Organic & Biomolecular Chemistry

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An efficient lactamisation/*N*-acyliminium Pictet–Spengler domino strategy for the diastereoselective synthesis of polyhydroxylated quinoxalinone, β -carboline, and quinazolinone derivatives

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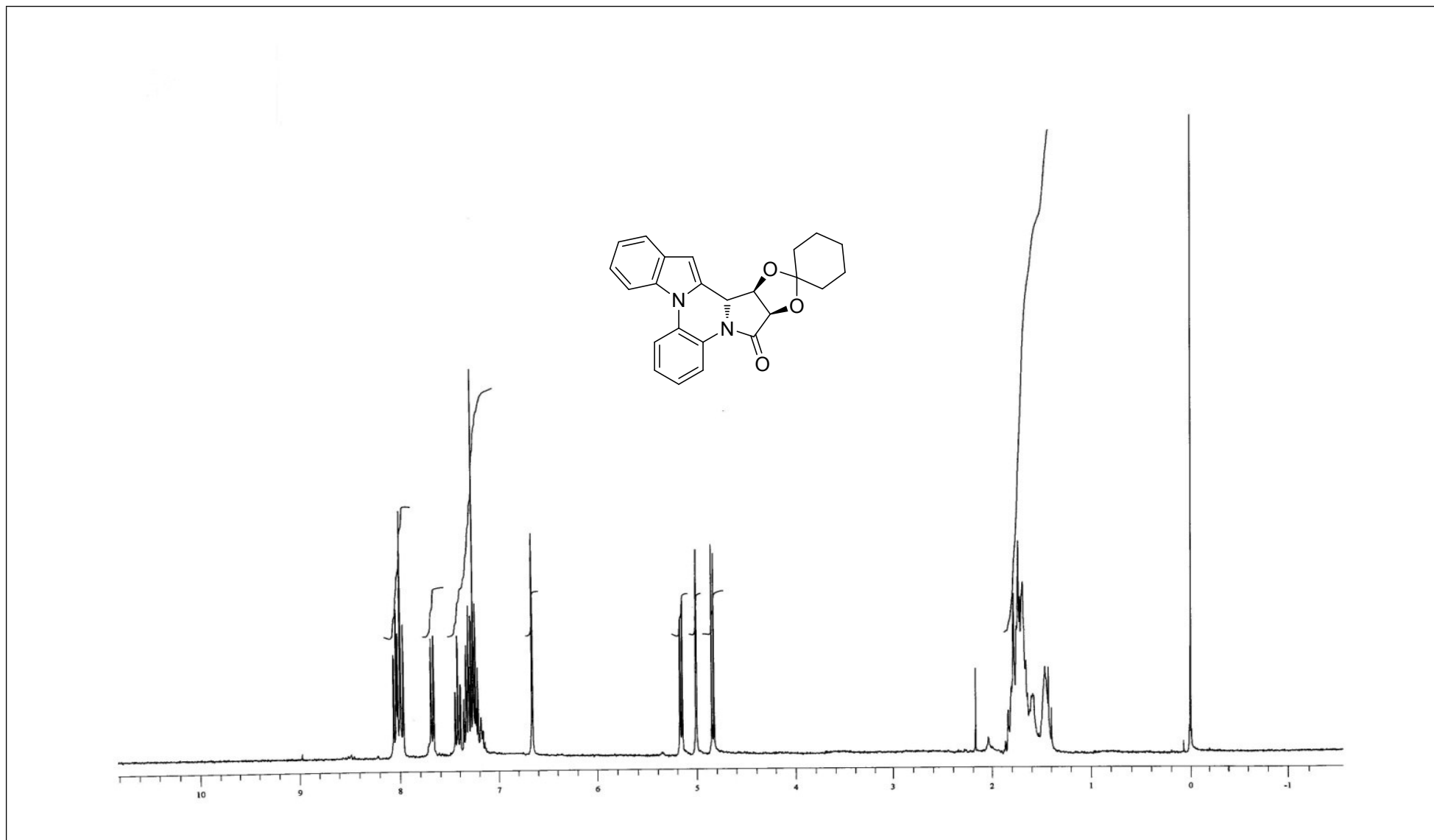
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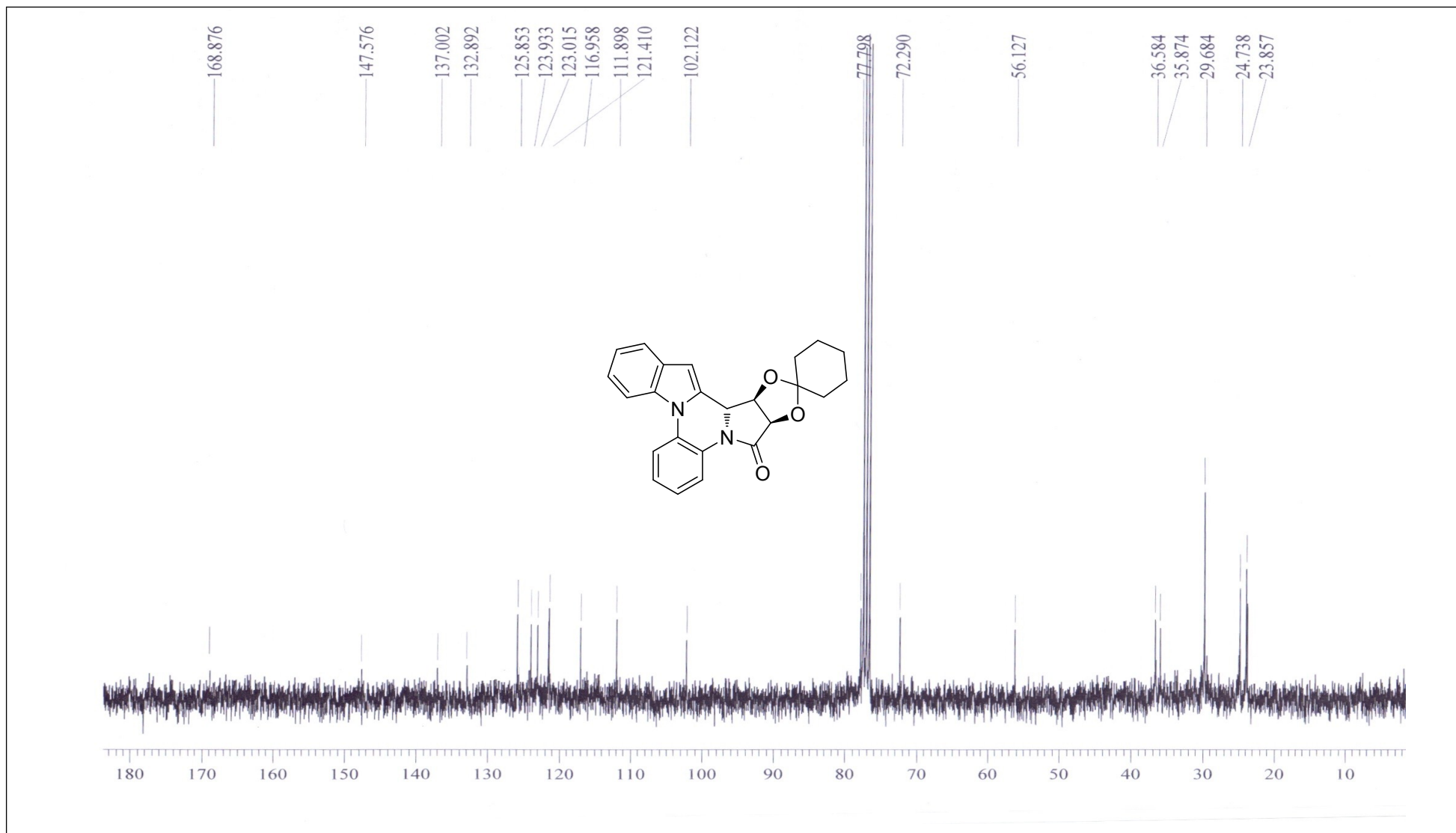
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2. Copies of COSY, TOCSY, NOESY.....S20-S22

1. Copies of ^1H & ^{13}C NMR spectra of products (3a-i)

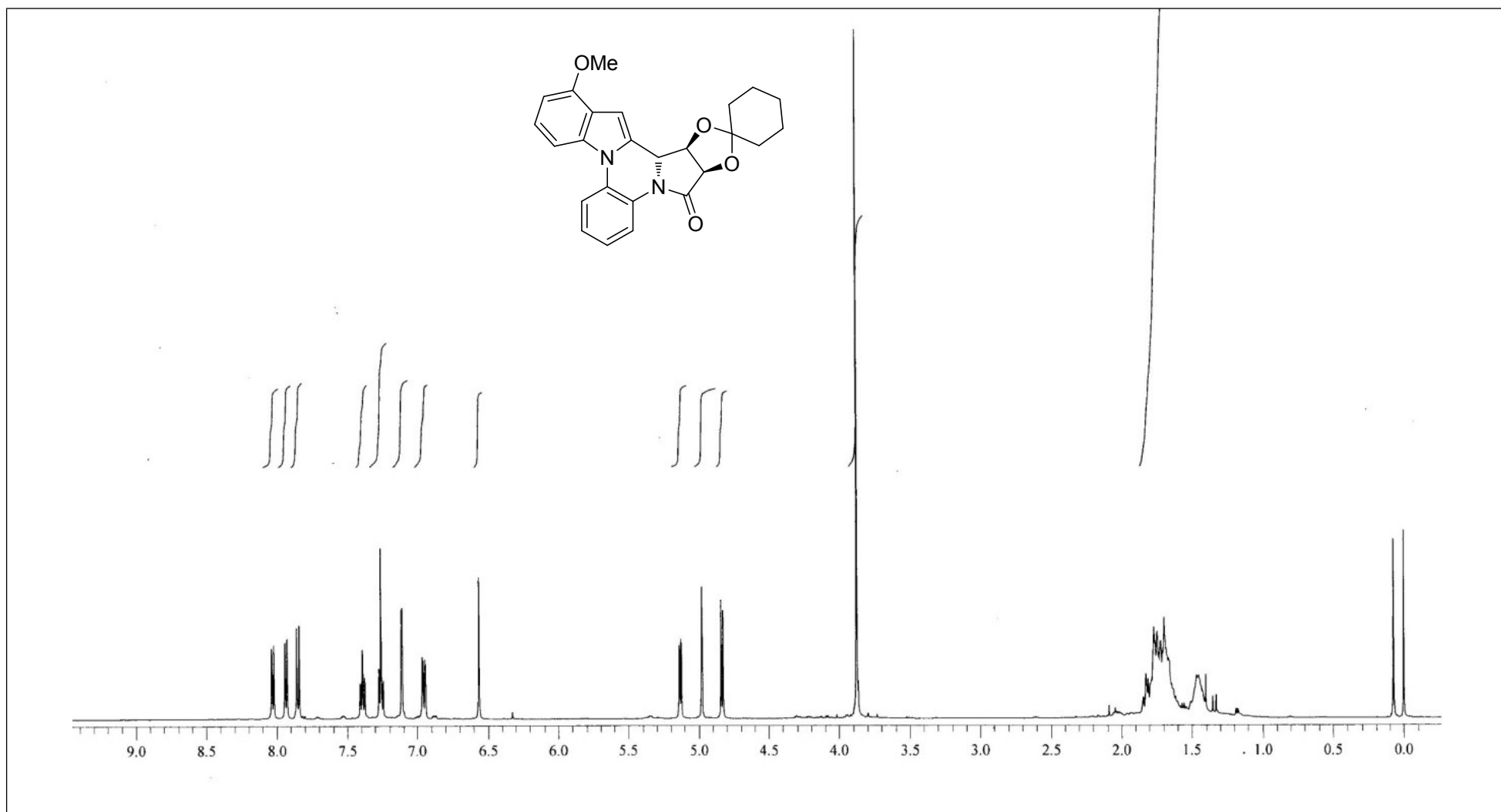
^1H NMR of Product **3a** (Table 2, entry **a**)



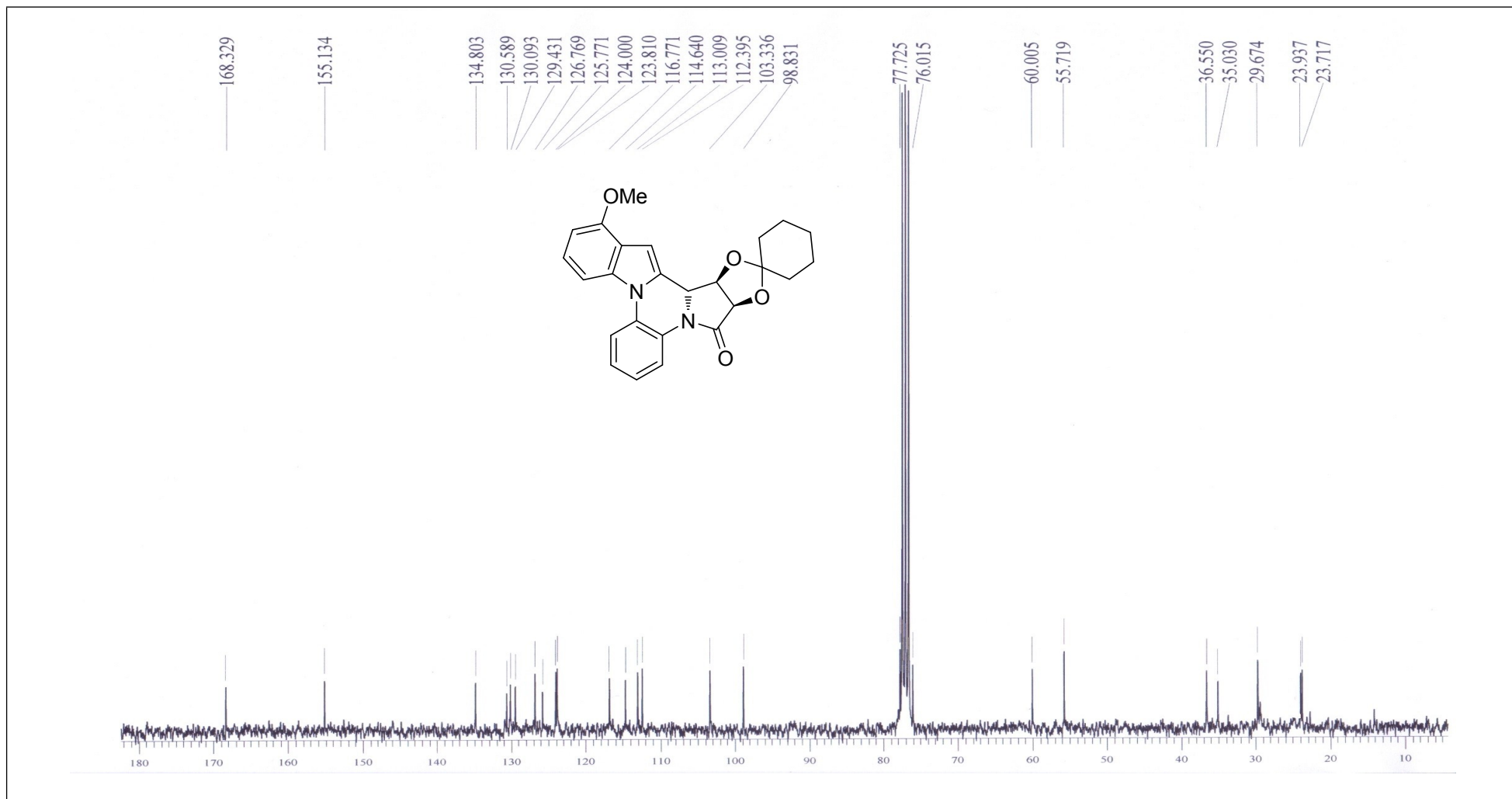
¹³C NMR of Product 3a (Table 2, entry a)



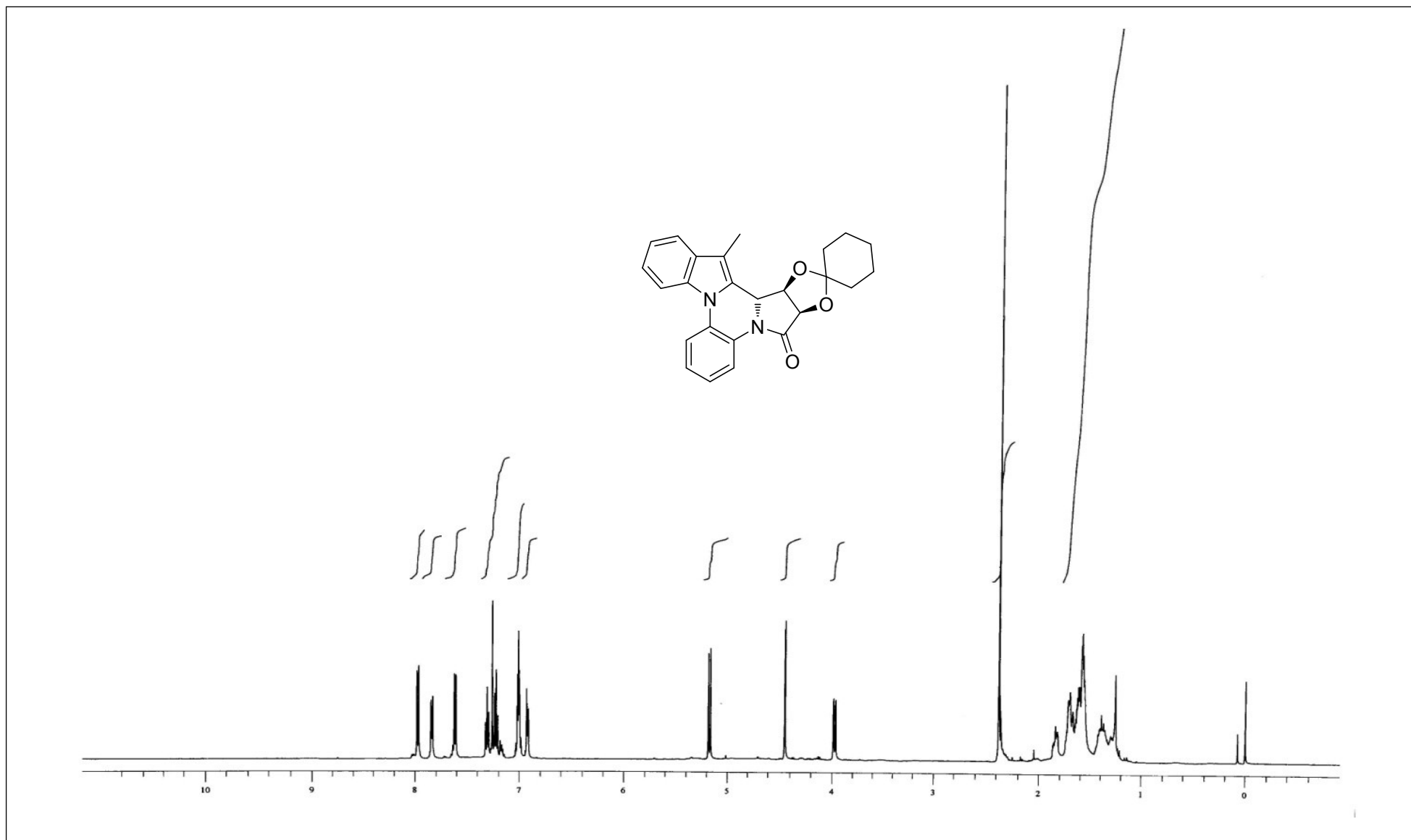
^1H NMR of Product **3b** (Table 2, entry **b**)



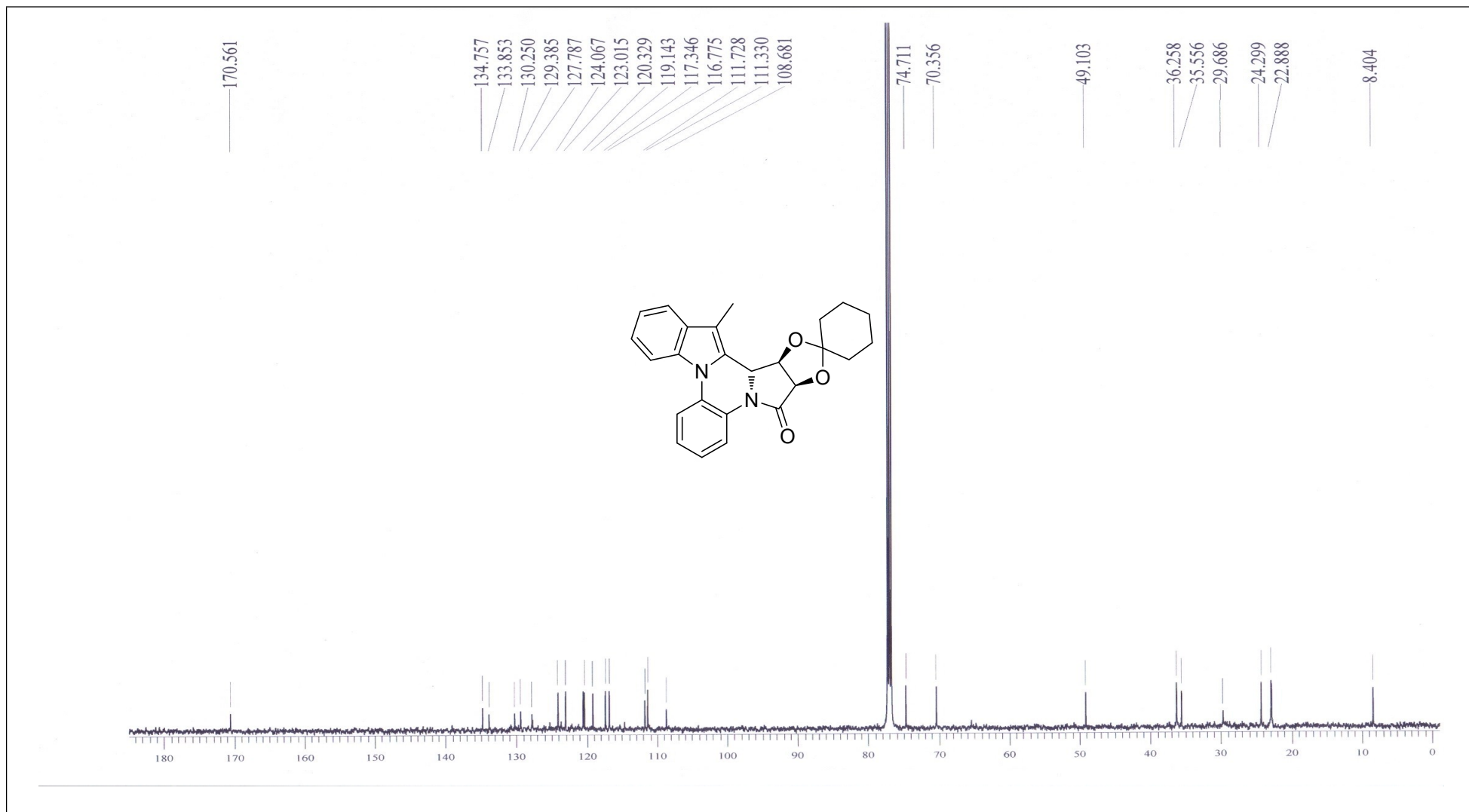
¹³C NMR of Product **3b** (Table 2, entry **b**)



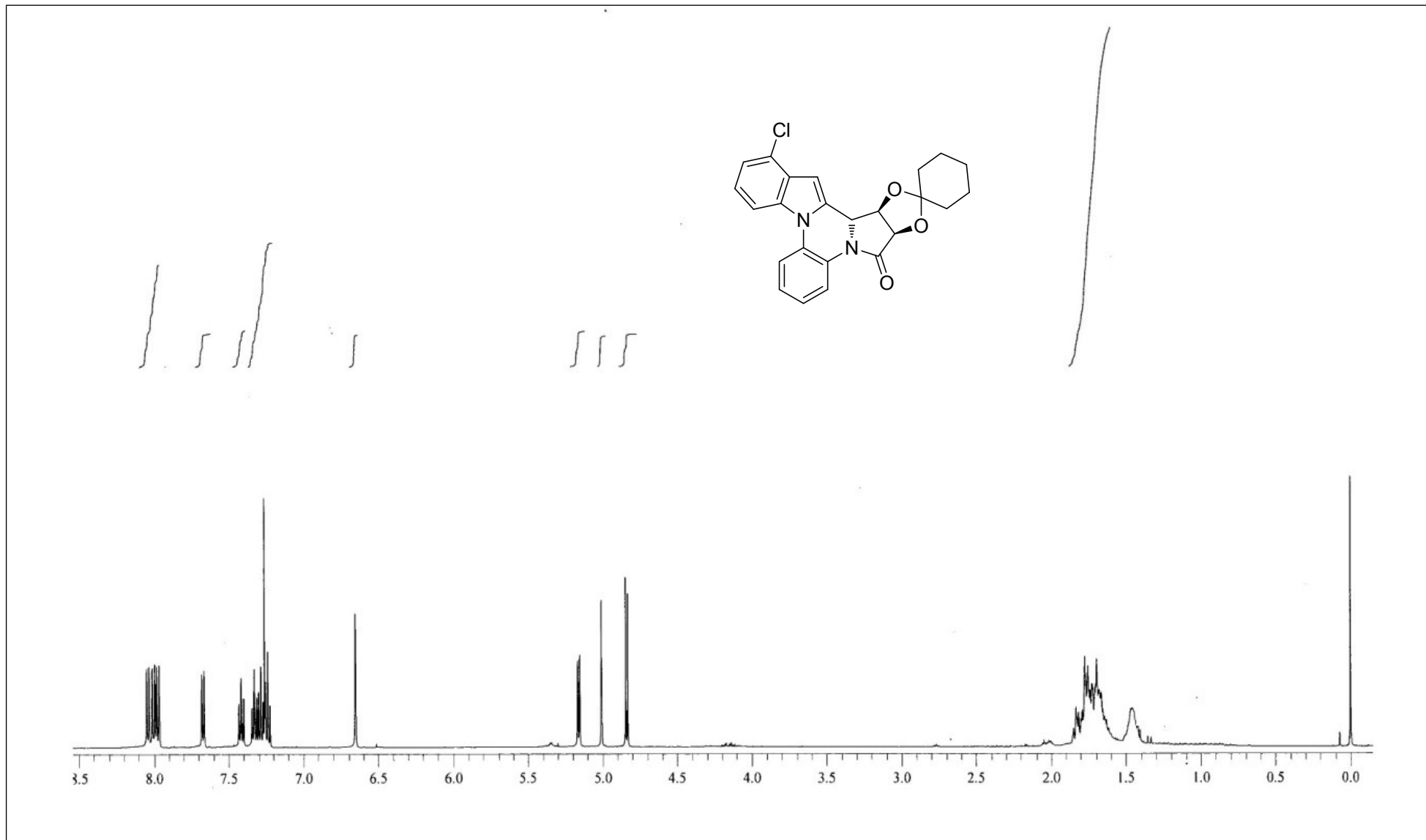
¹H NMR of Product **3c** (Table 2, entry c)



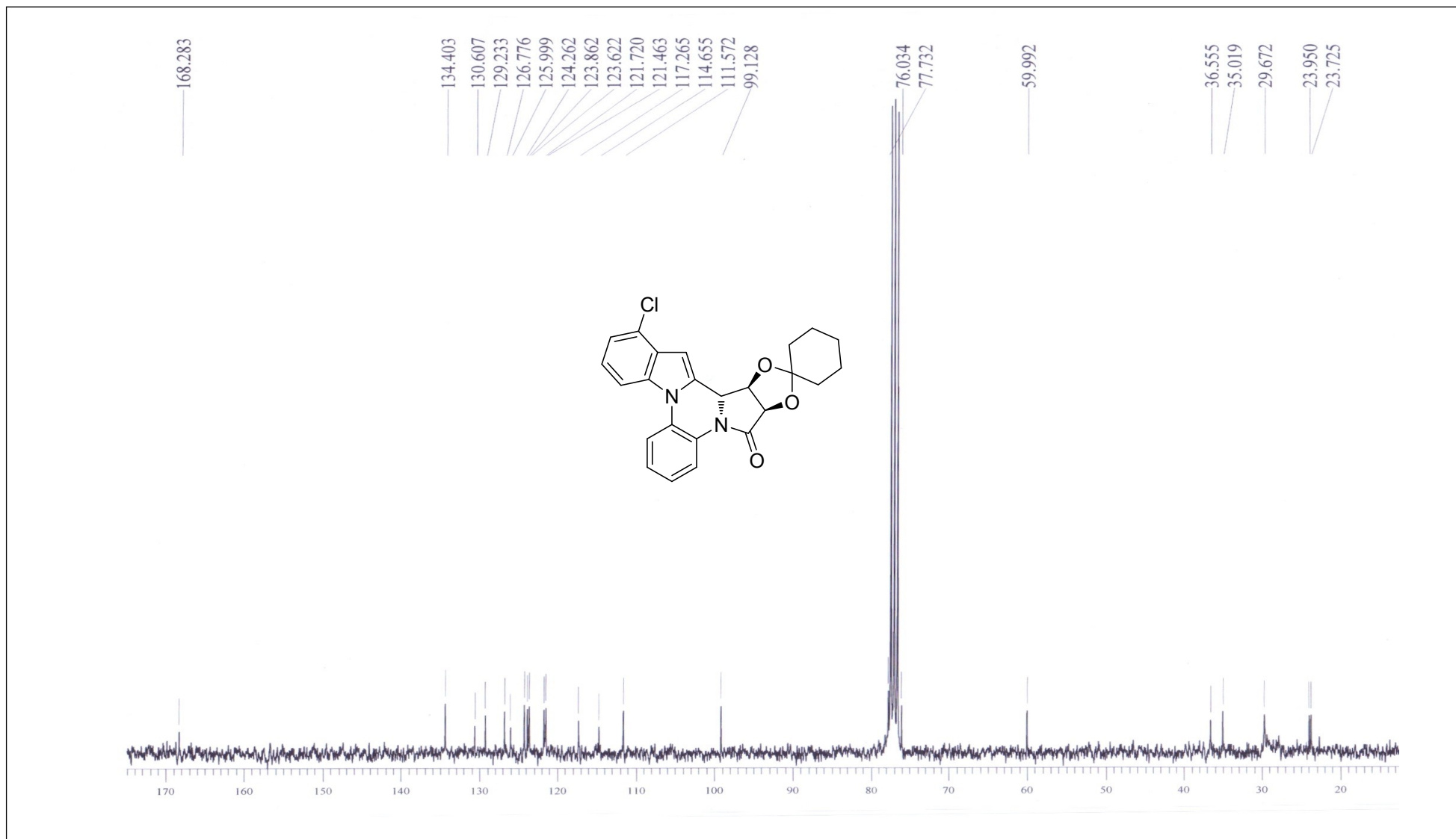
¹³C NMR of Product 3c (Table 2, entry c)



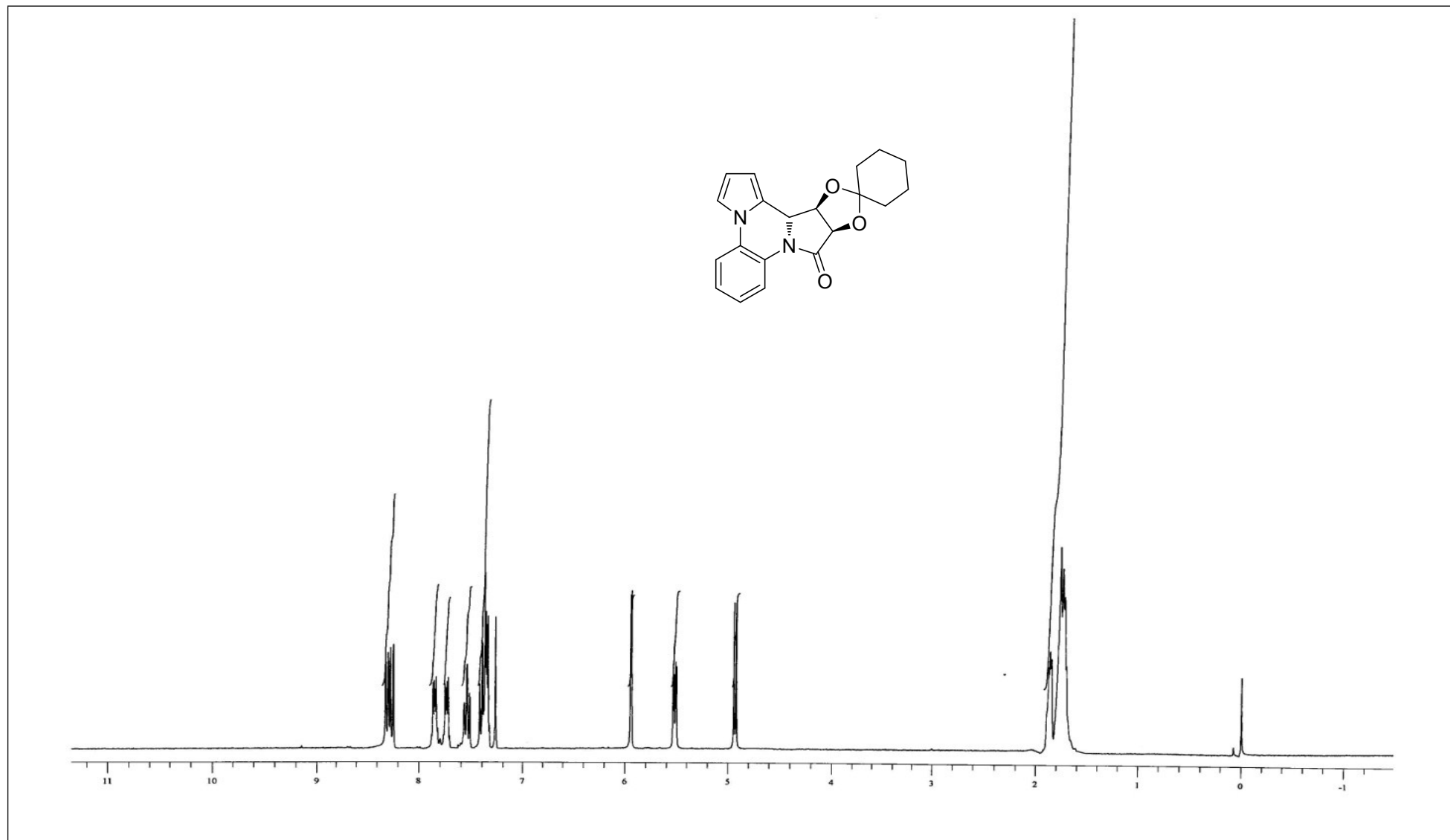
¹H NMR of Product **3d** (Table 2, entry **d**)



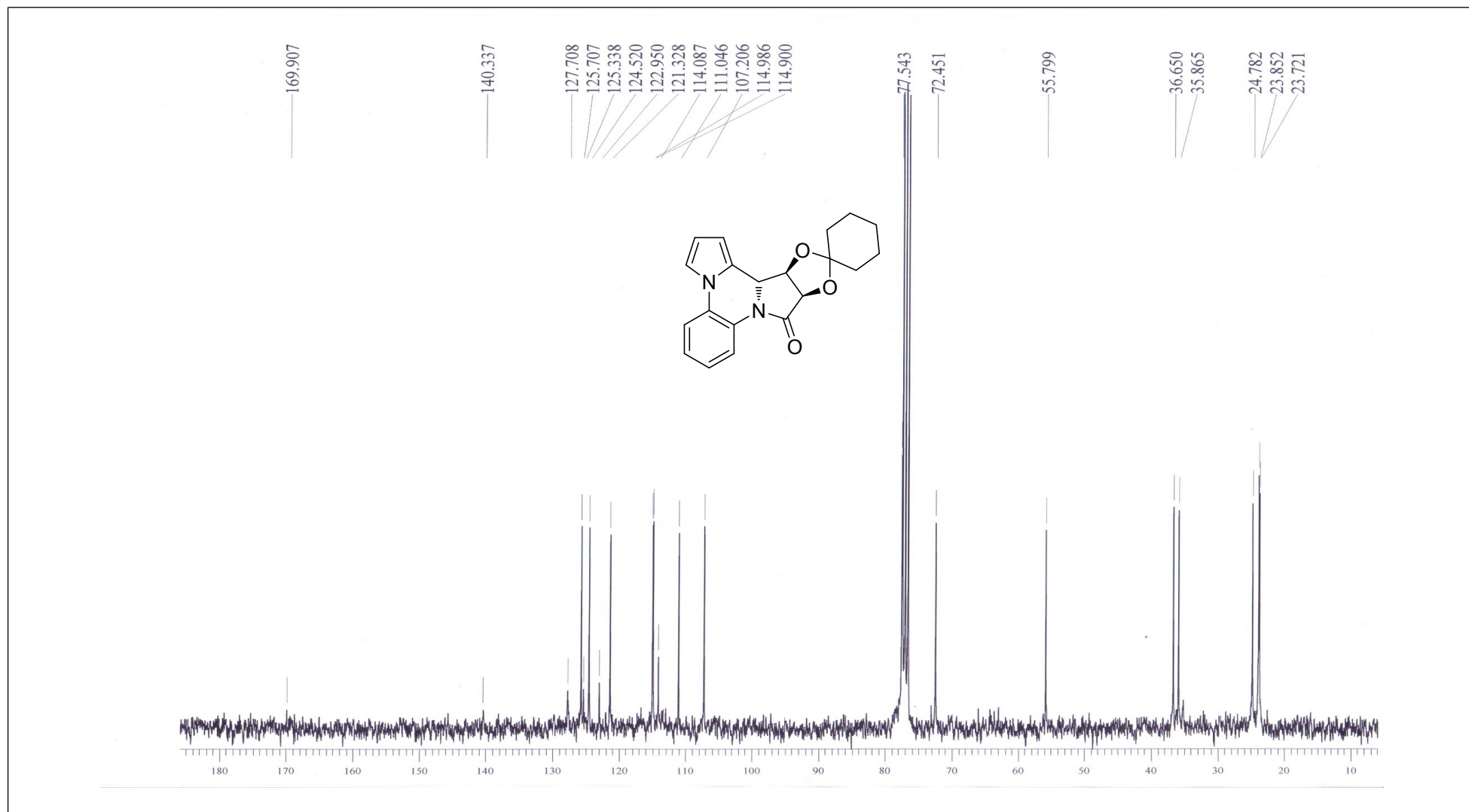
¹³C NMR of Product **3d** (Table 2, entry **d**)



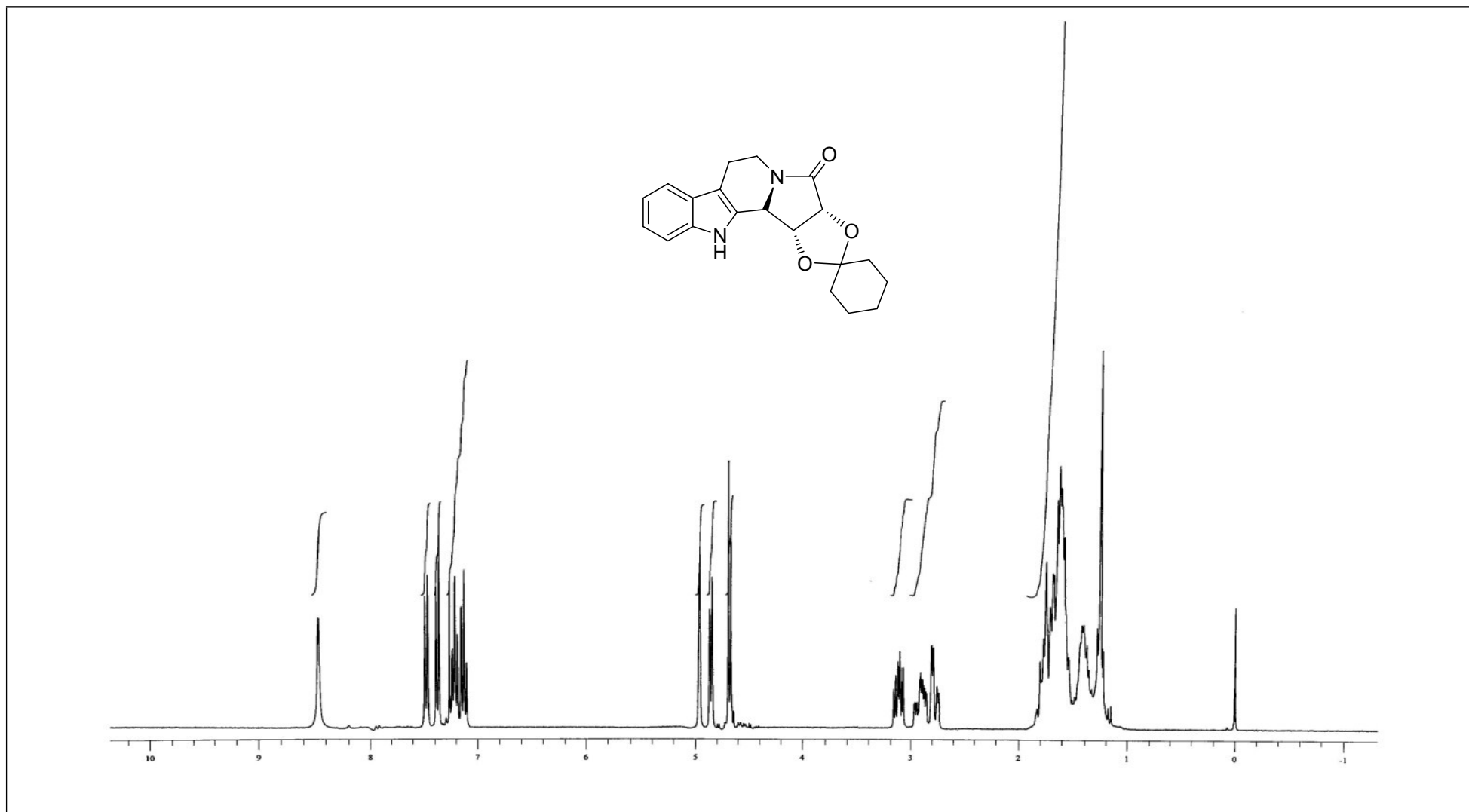
^1H NMR of Product **3e** (Table 2, entry e)



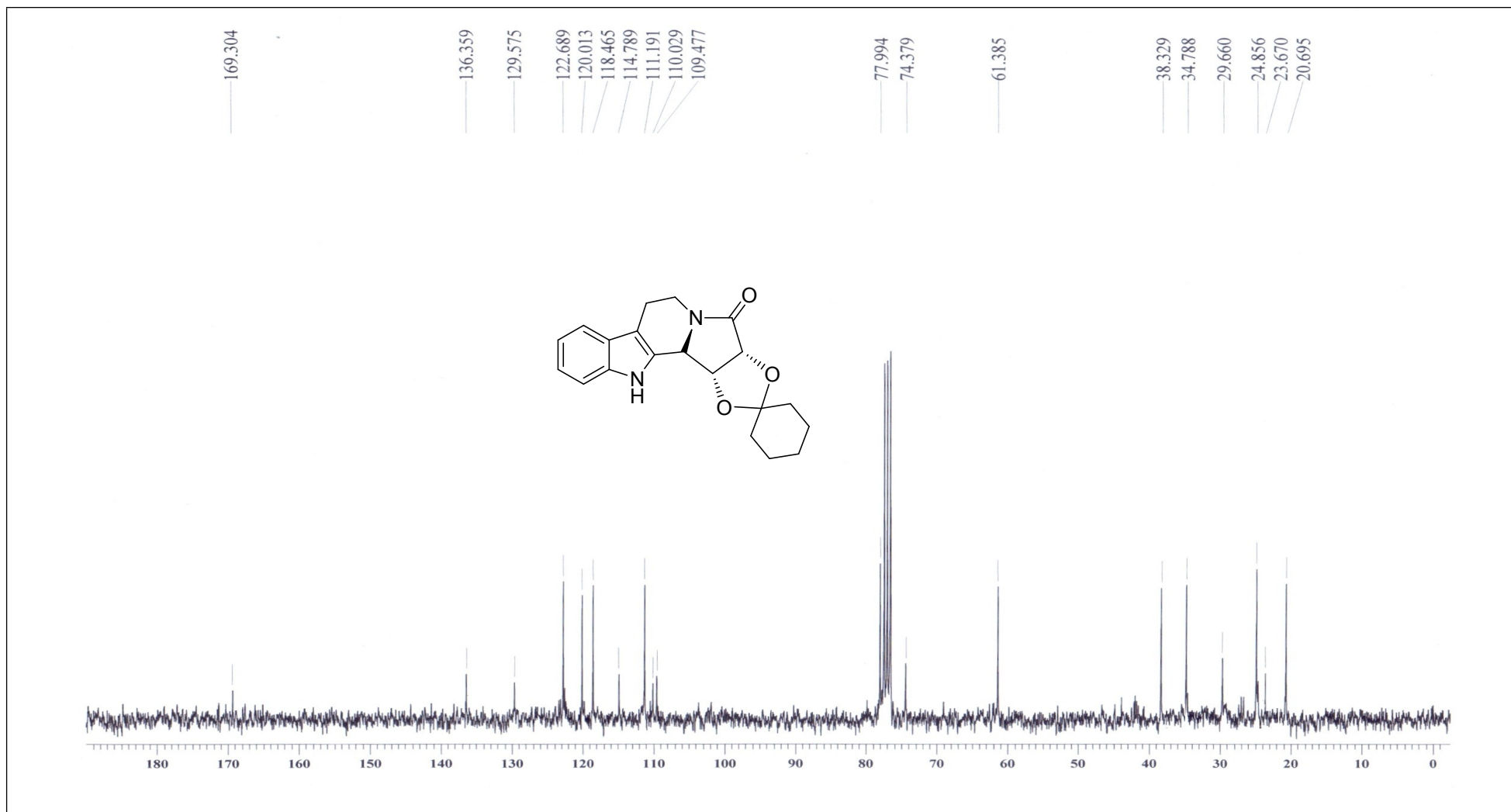
¹³C NMR of Product 3e (Table 2, entry e)



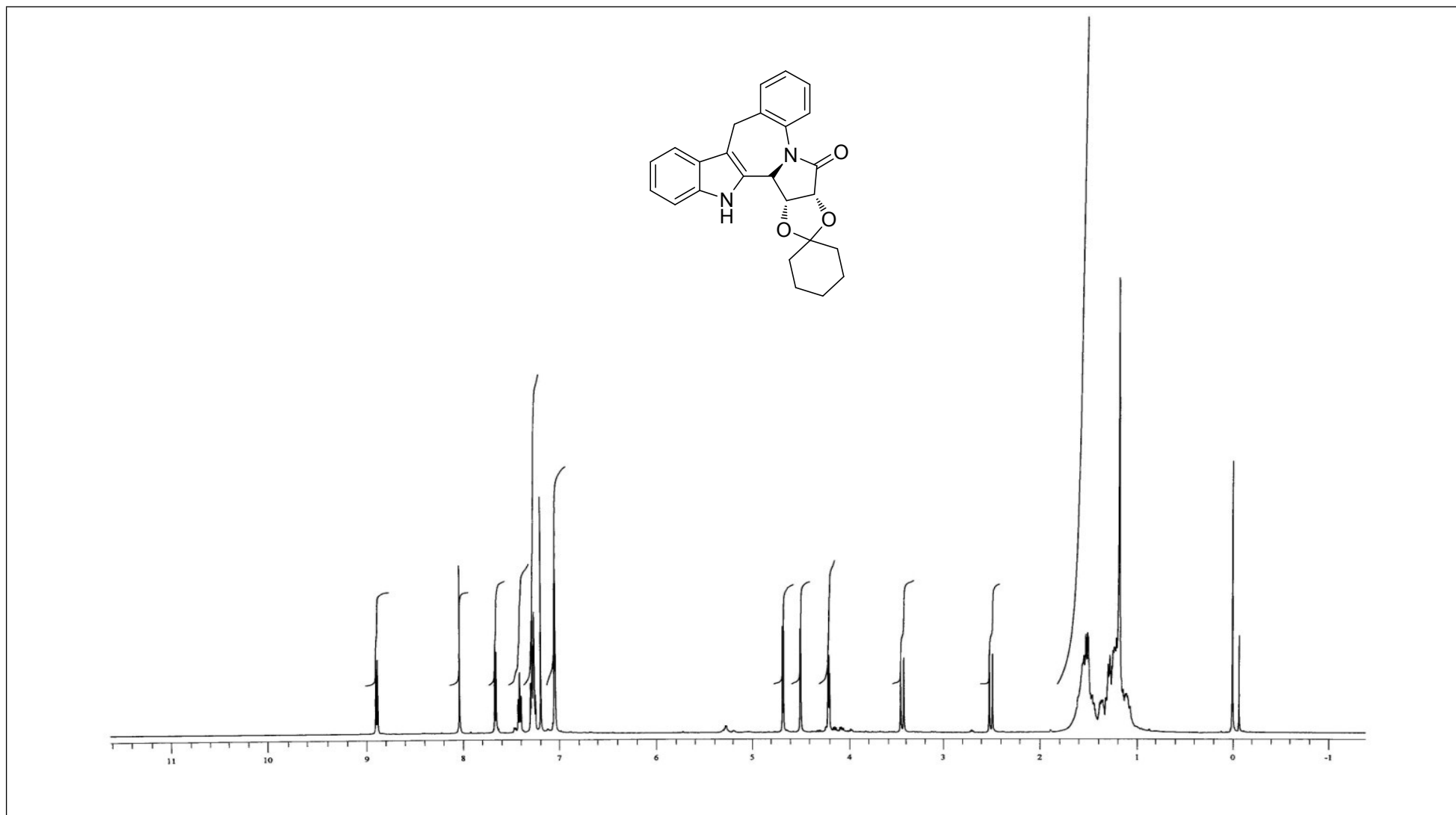
¹H NMR of Product **3f** (Table 2, entry **f**)



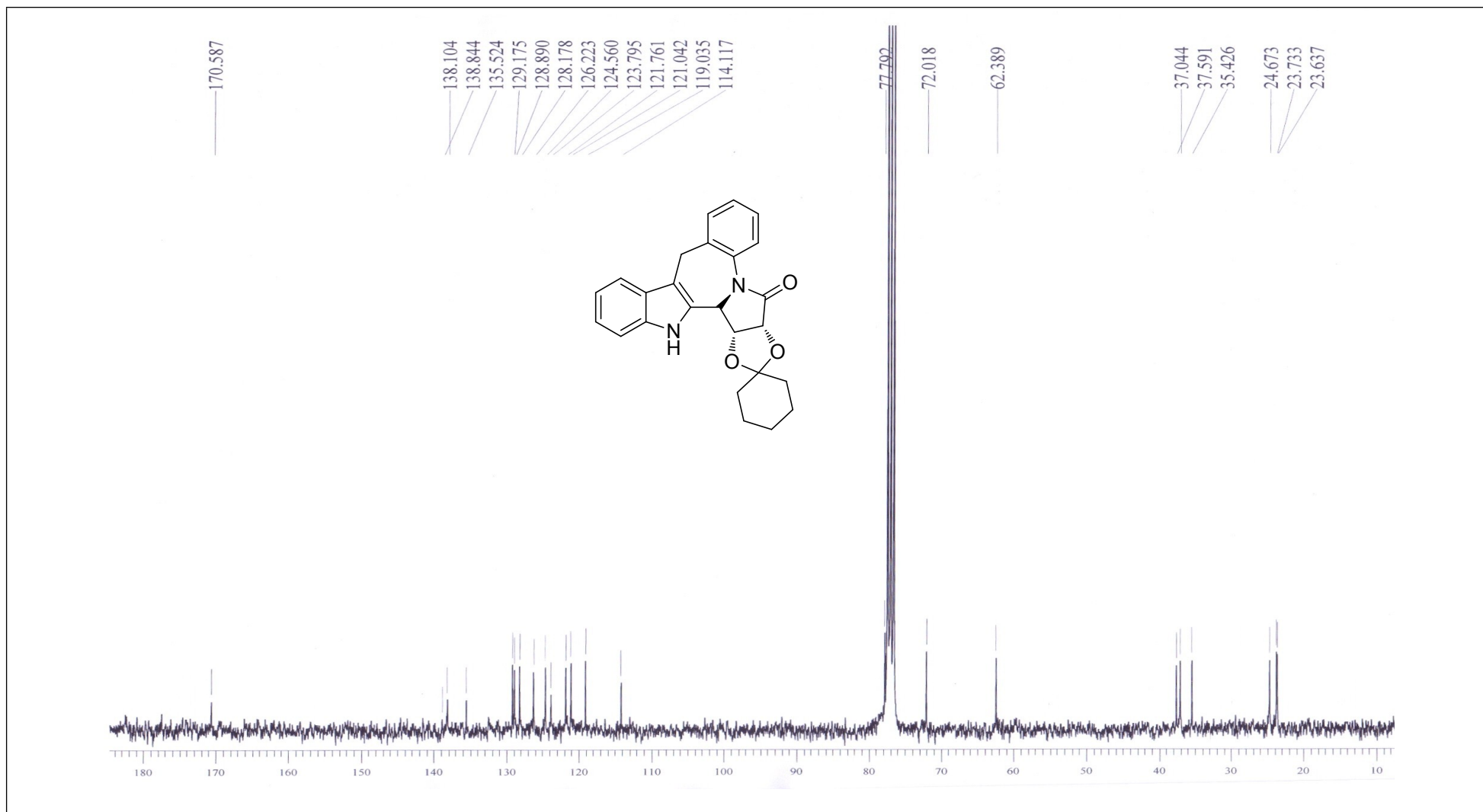
¹³C NMR of Product **3f** (Table 2, entry **f**)



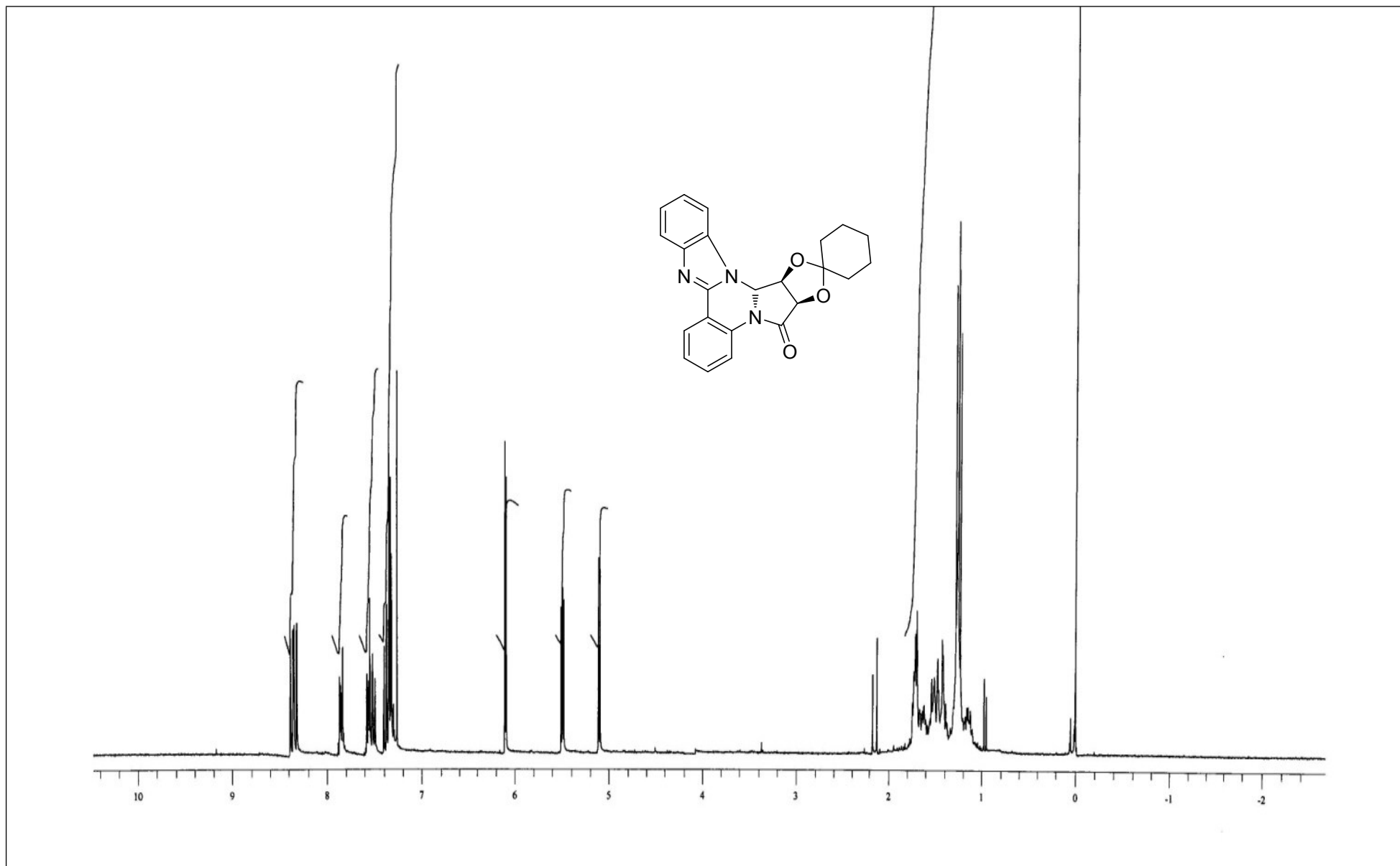
¹H NMR of Product **3g** (Table 2, entry **g**)



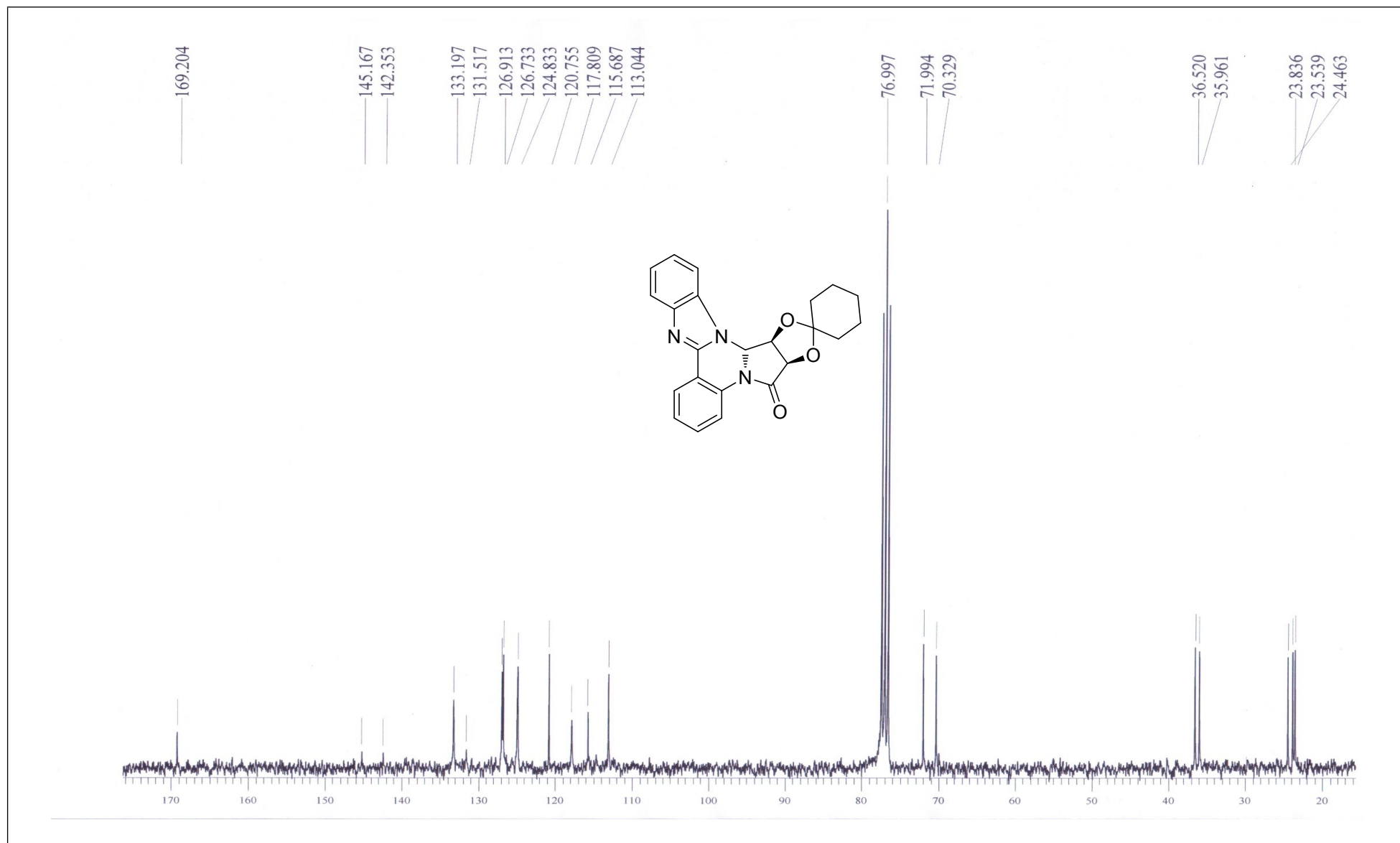
¹³C NMR of Product **3g** (Table 2, entry **g**)



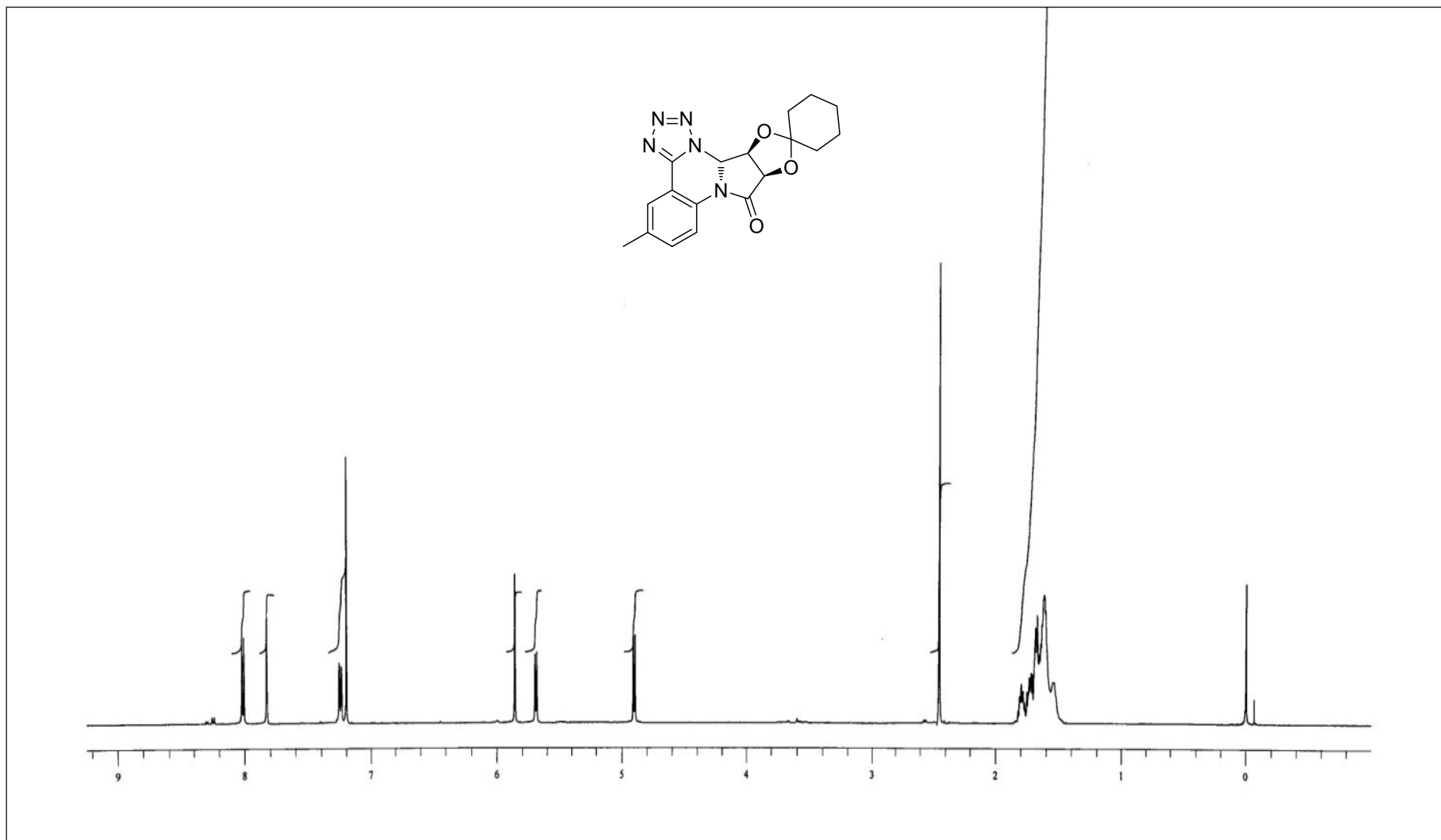
¹H NMR of Product **3h** (Table 2, entry **h**)



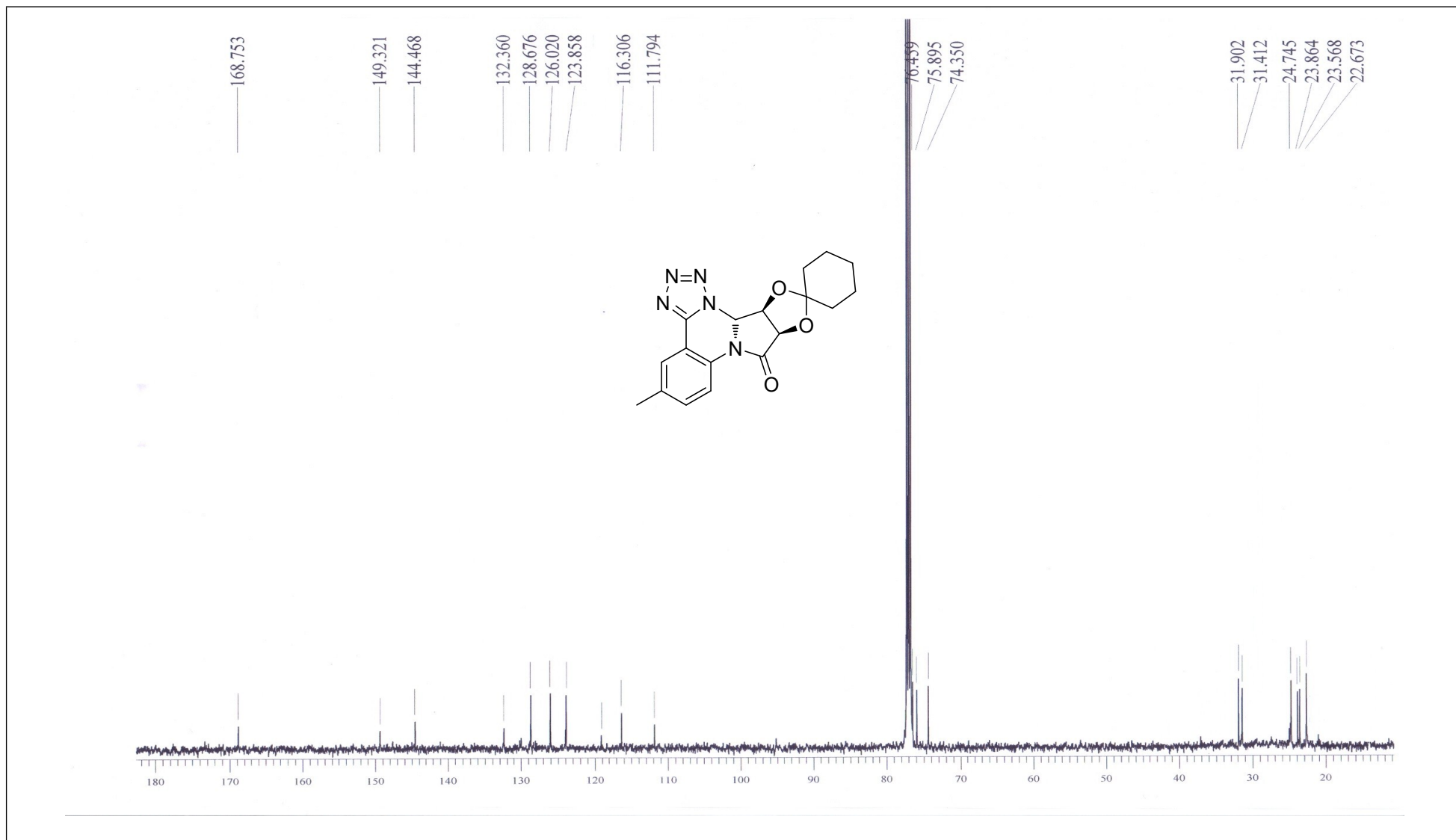
¹³C NMR of Product **3h** (Table 2, entry **h**)

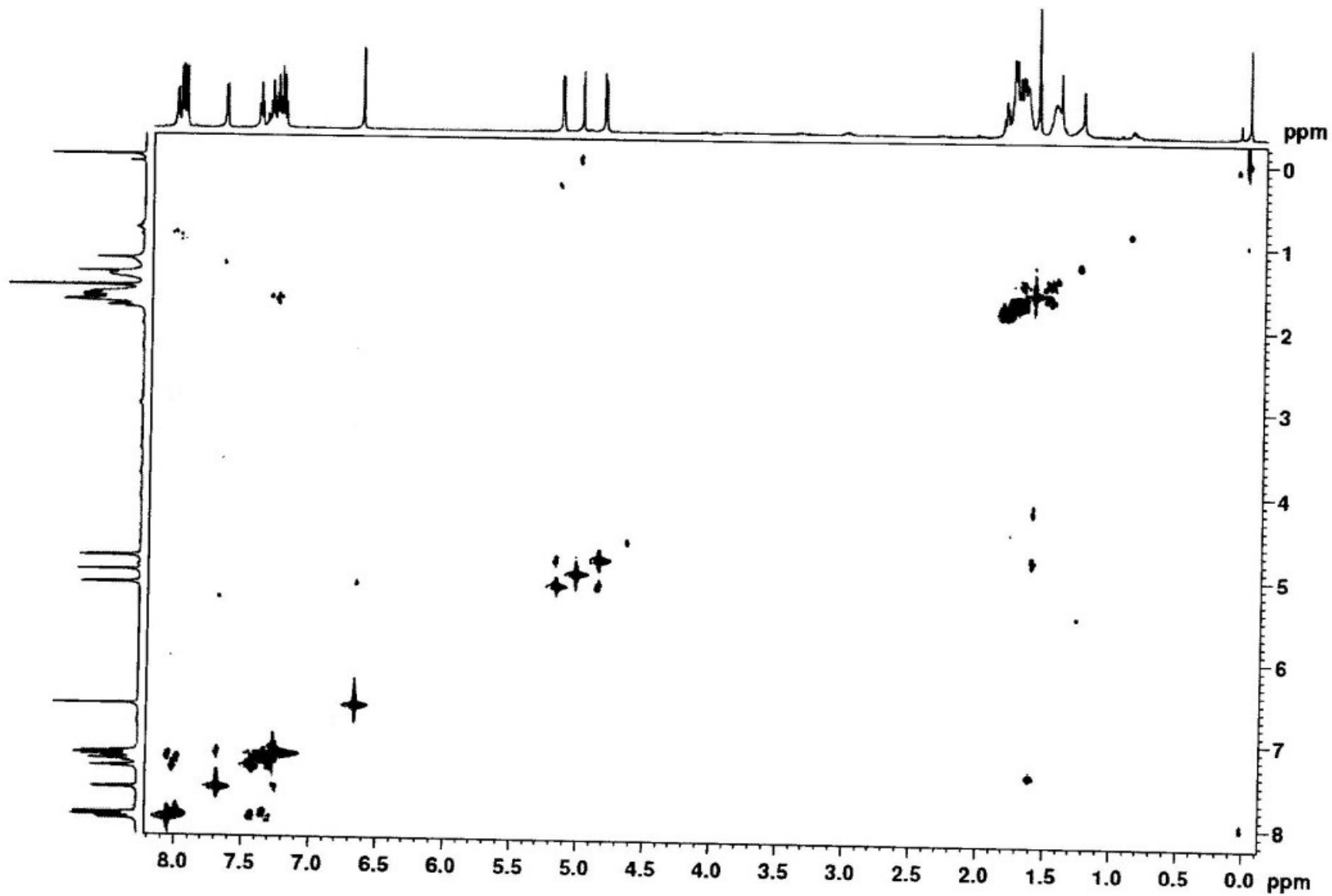


^1H NMR of Product **3i** (Table 2, entry **i**)

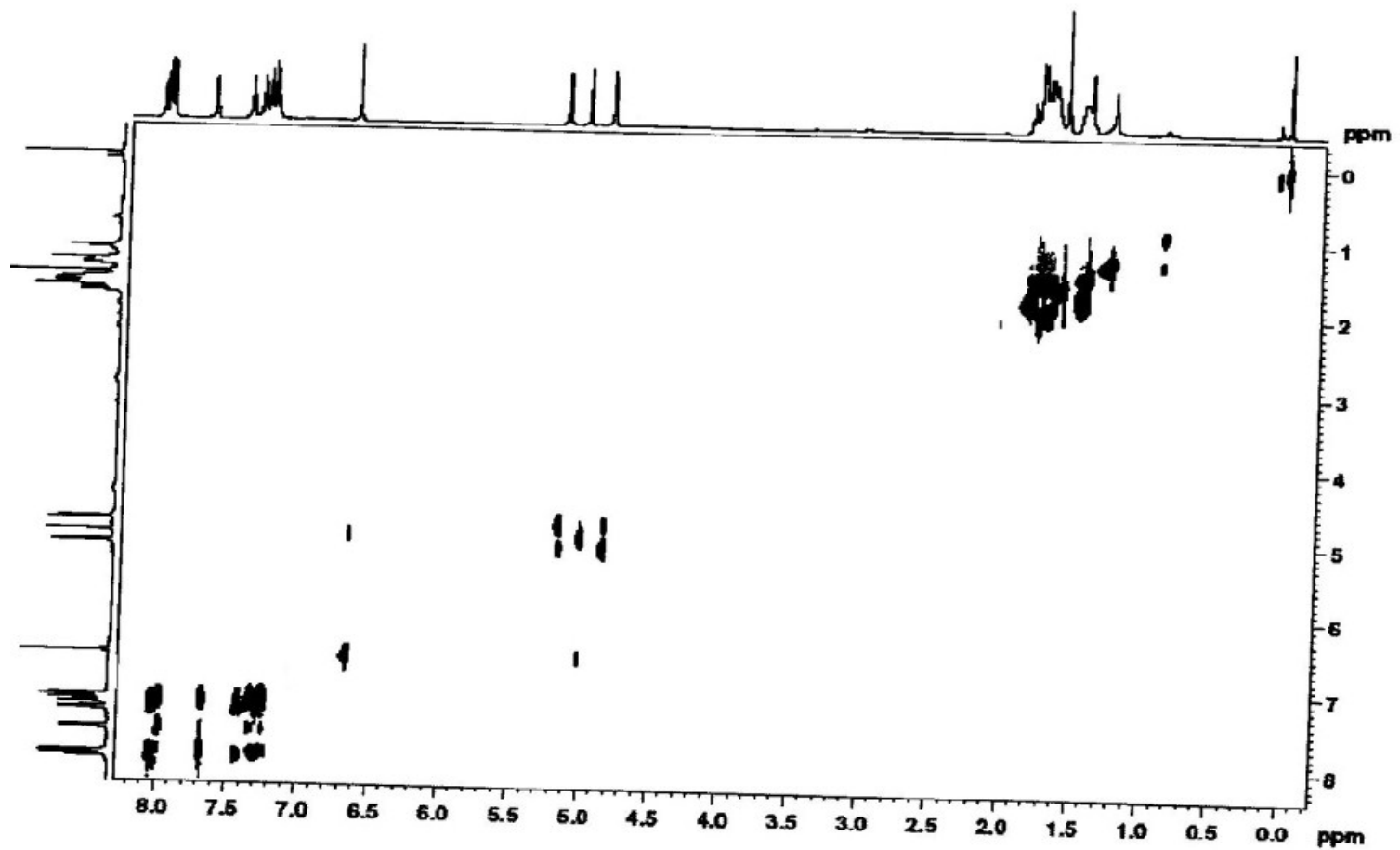


¹³C NMR of Product **3i** (Table 2, entry **i**)

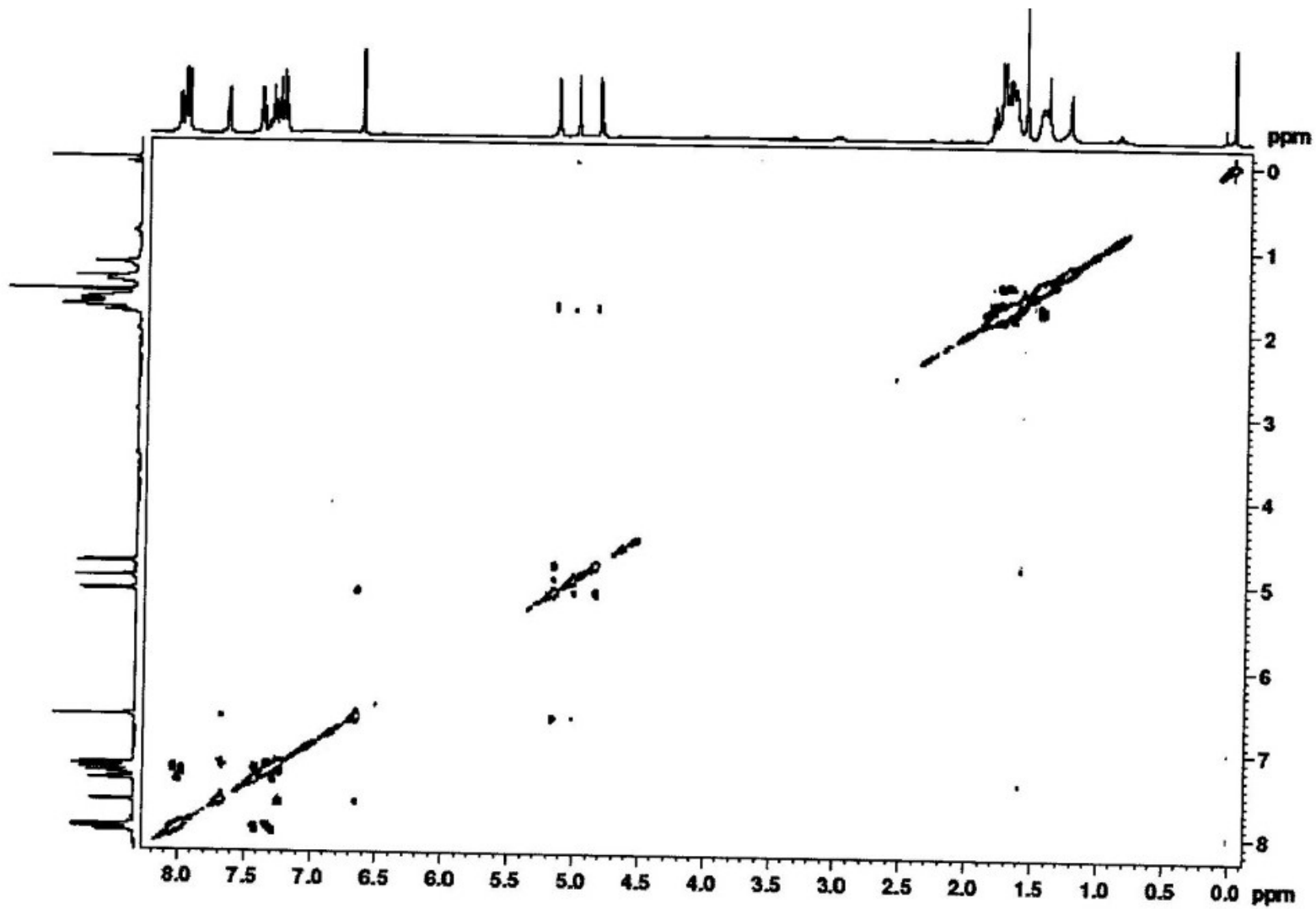




DAF-COSY spectrum of **3a** (Avance 600 MHz, CDCl₃, 298 K)



TOCSY spectrum of **3a** (Avance 600 MHz, CDCl₃, 298 K)



NOESY spectrum of 3a (Avance 600 MHz, CDCl₃, 298 K)