

Supporting information

Zn(OTf)₂-Catalyzed Access to Symmetrical and Unsymmetrical Bisindoles from α -Keto Amides

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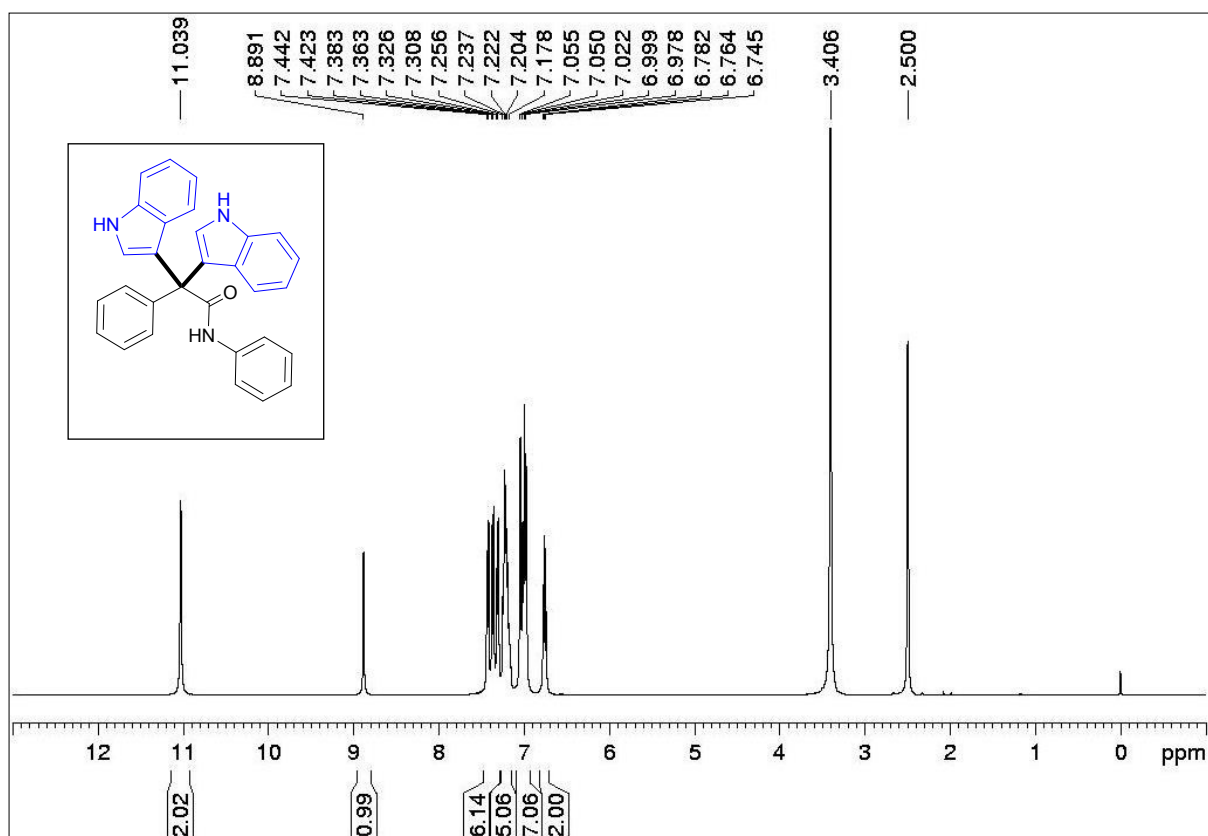
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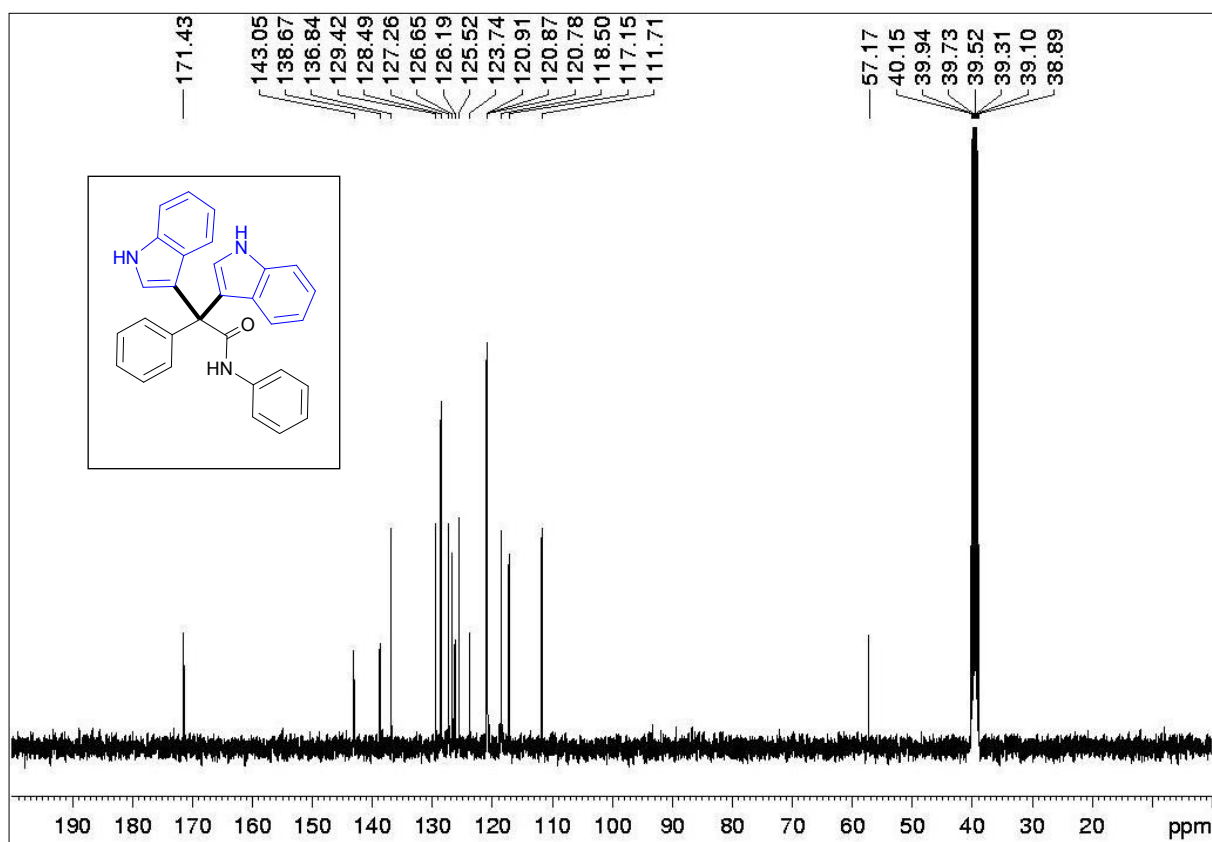
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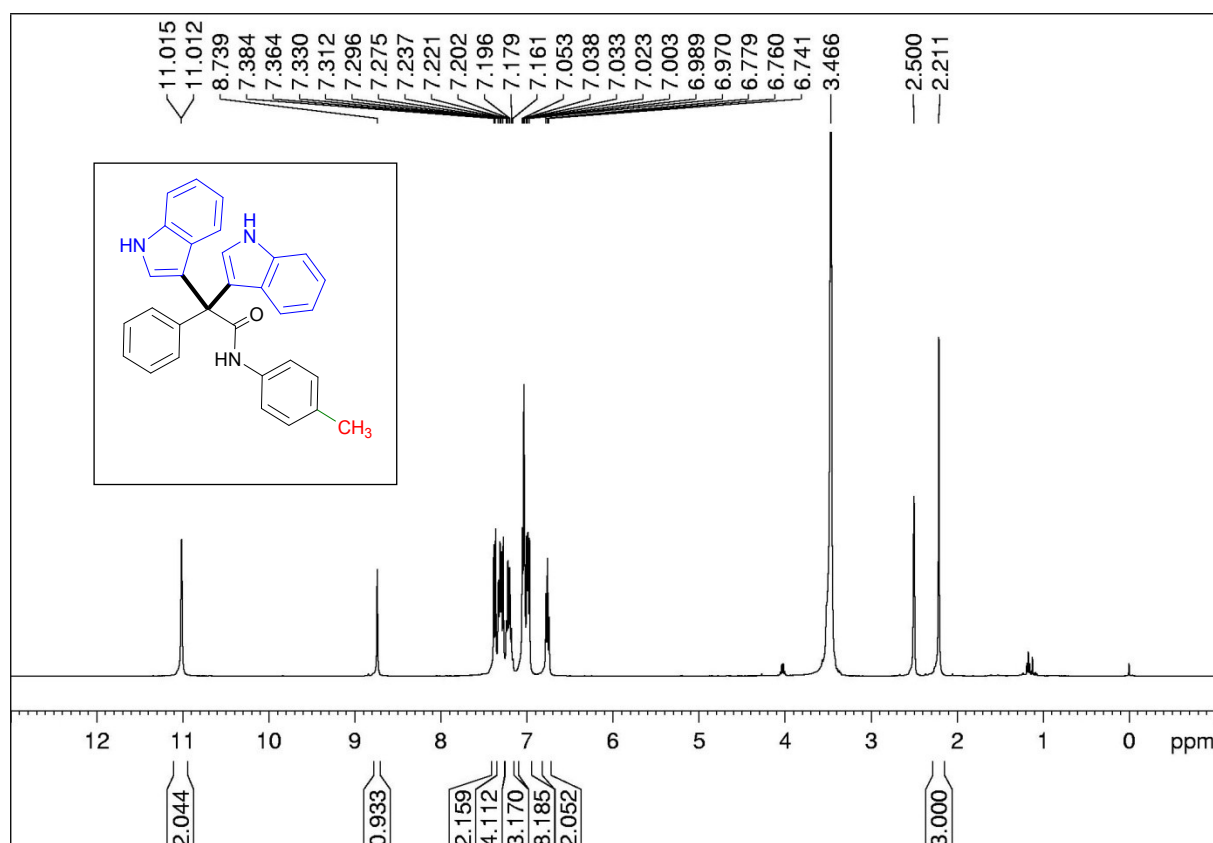
**Copies of ^1H and ^{13}C spectra for symmetrical 3,3'-bisindolyl
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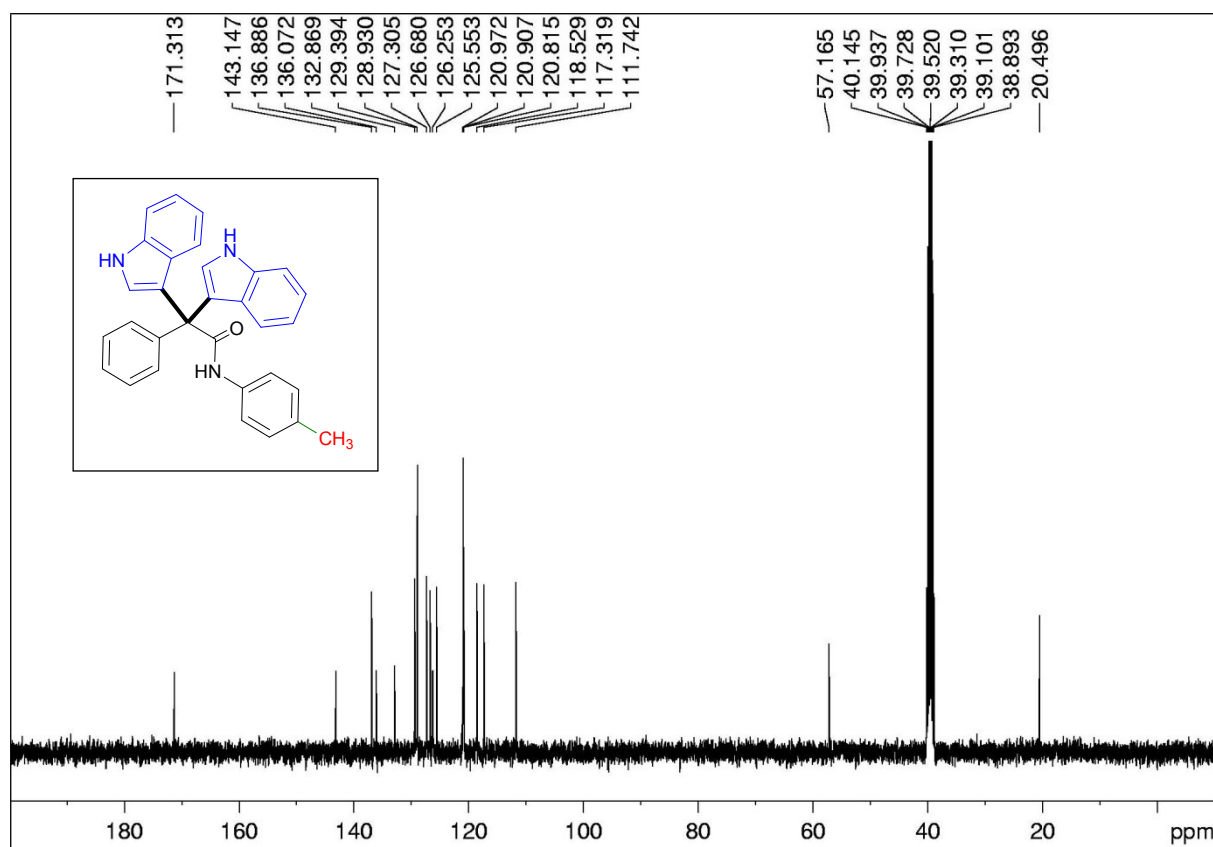
400 MHz ¹H-NMR spectra of **3a** in DMSO-d₆



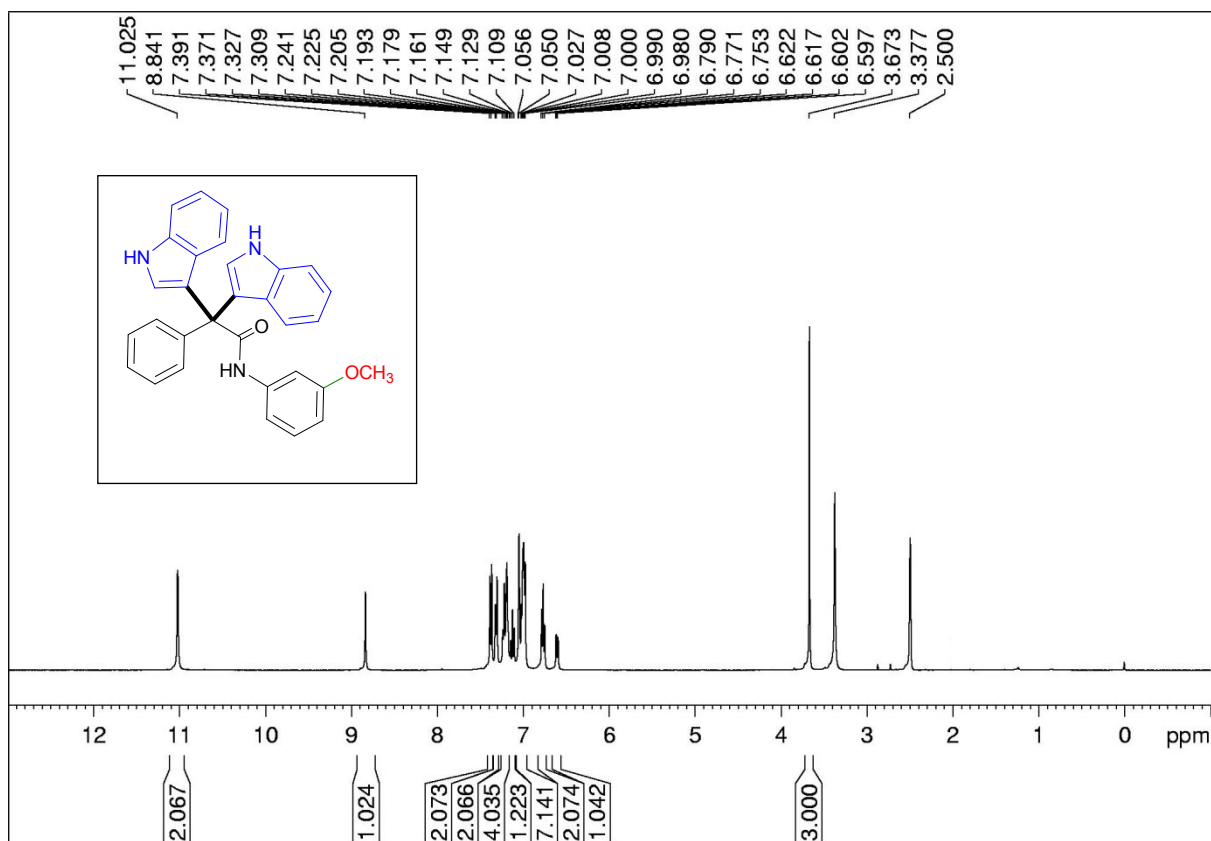
100 MHz ¹³C-NMR spectra of **3a** in DMSO-d₆



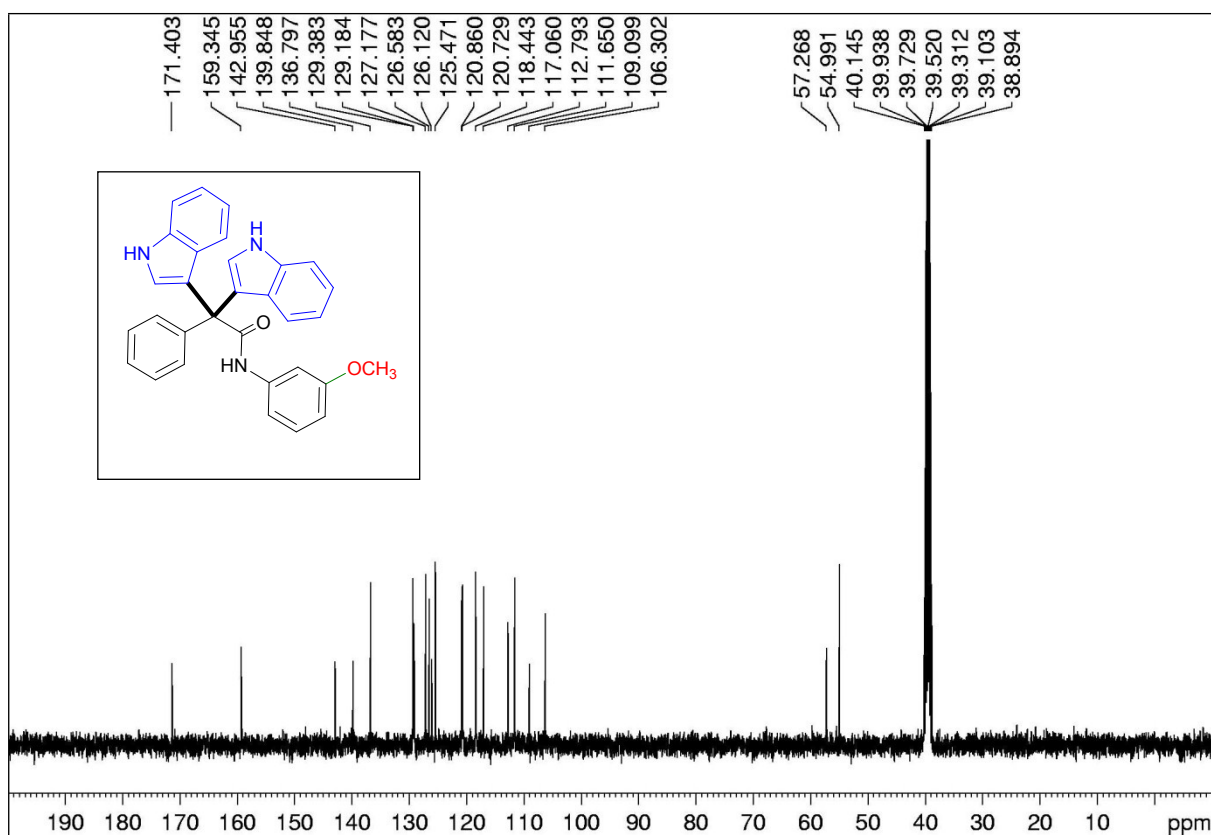
400 MHz ¹H-NMR spectra of **3b** in DMSO-d₆



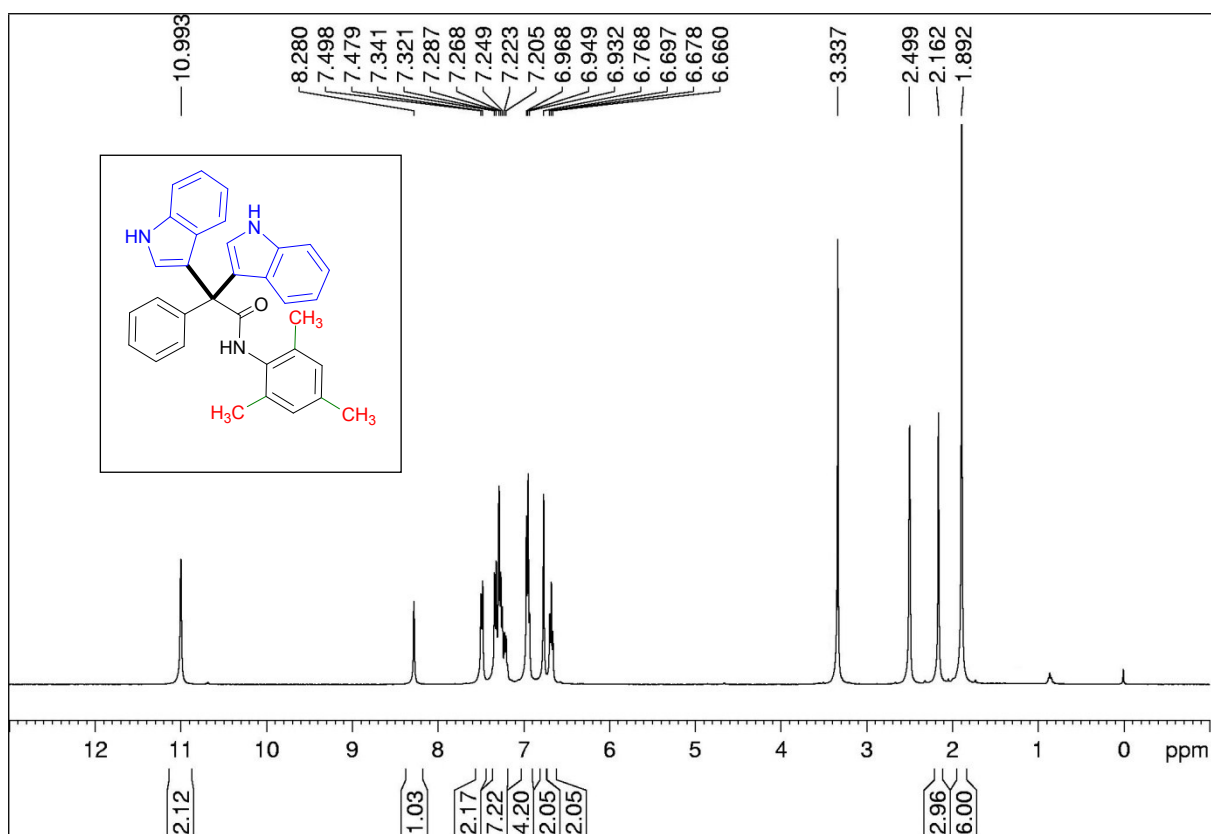
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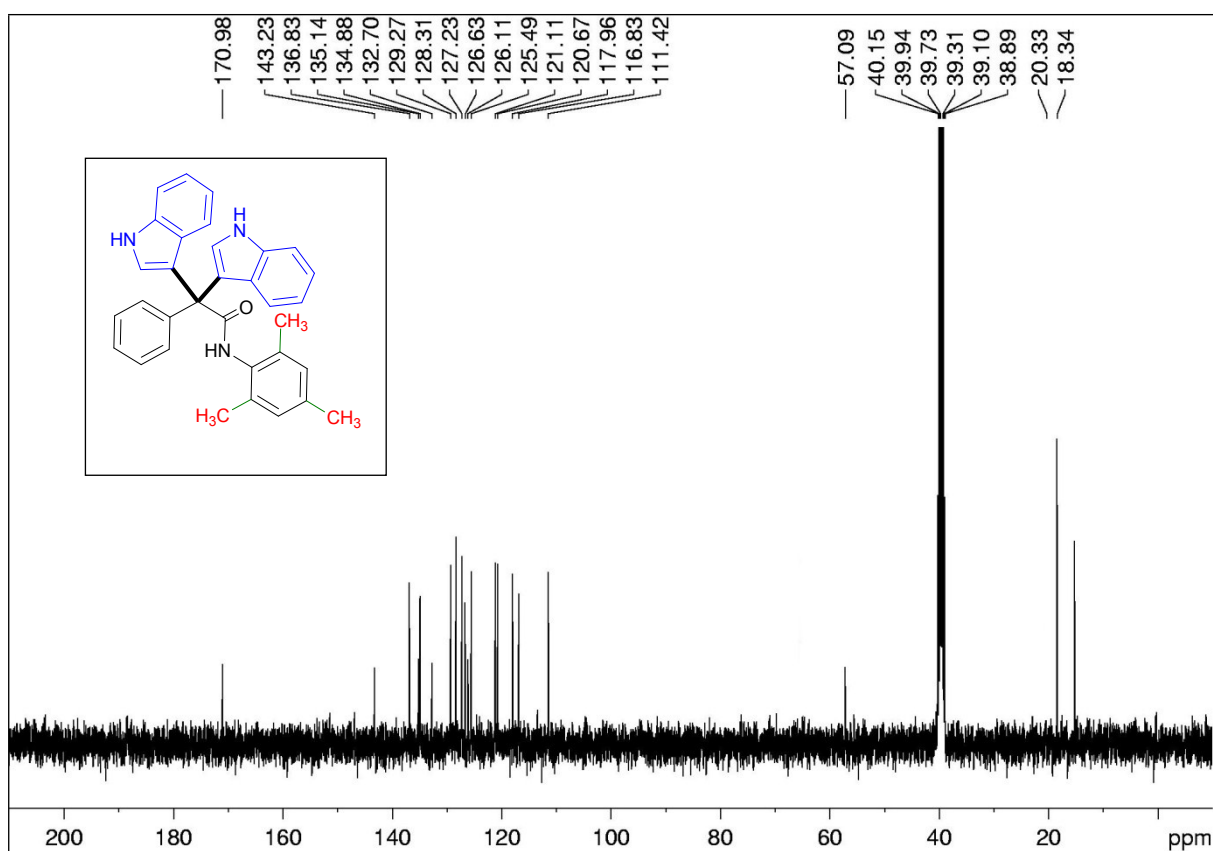
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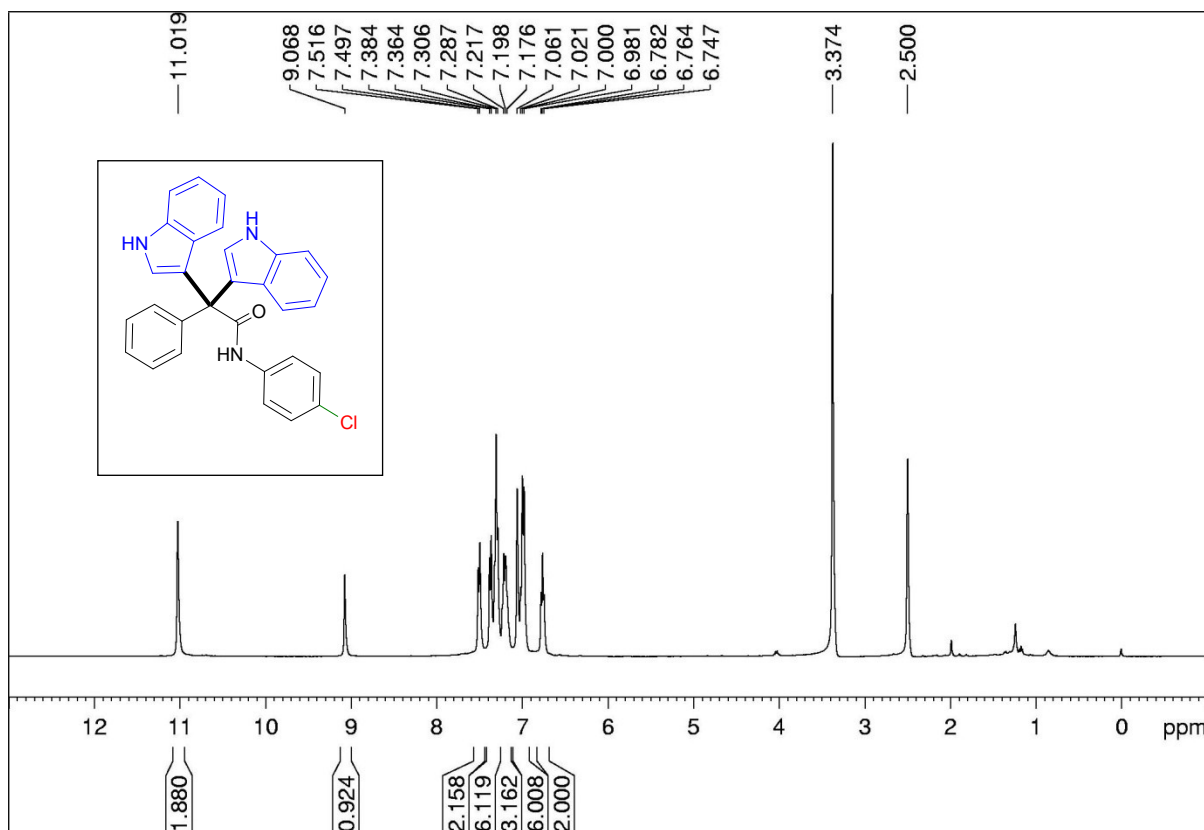
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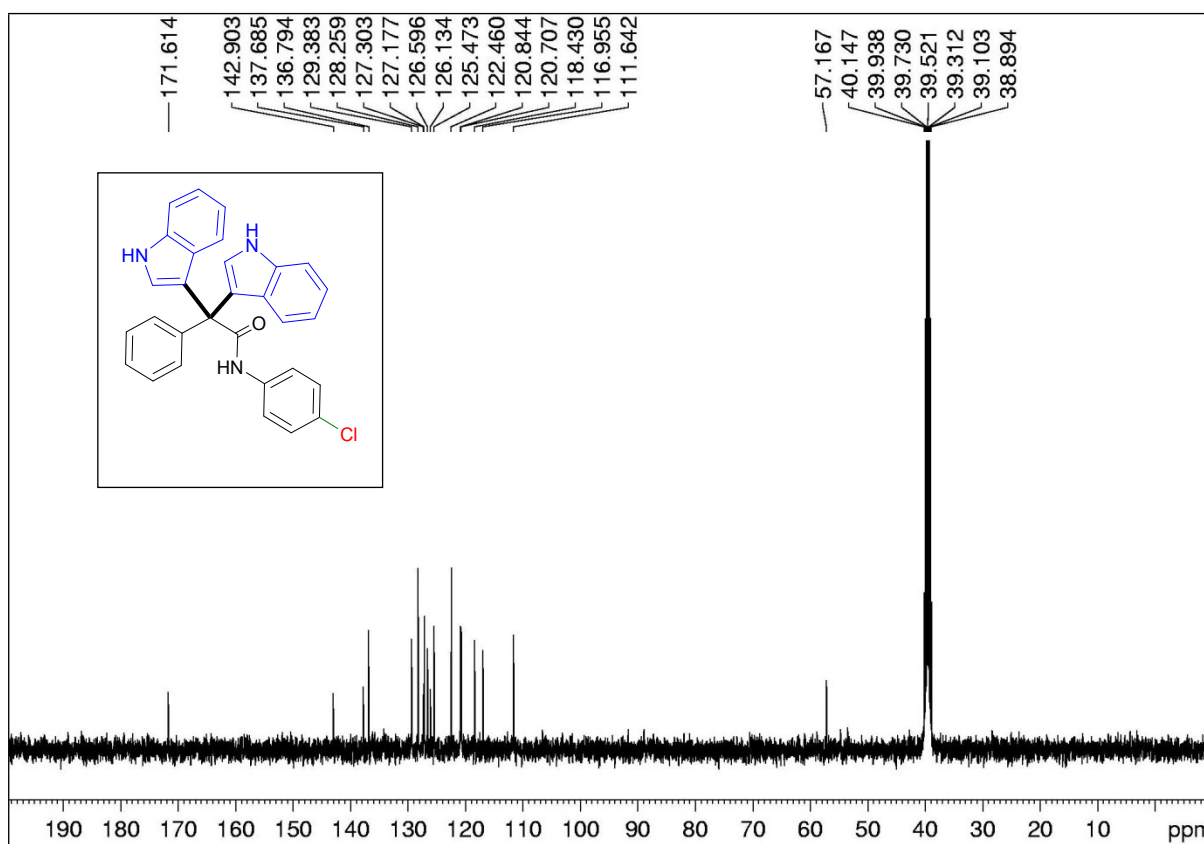
400 MHz ¹H-NMR spectra of **3d** in DMSO-d₆



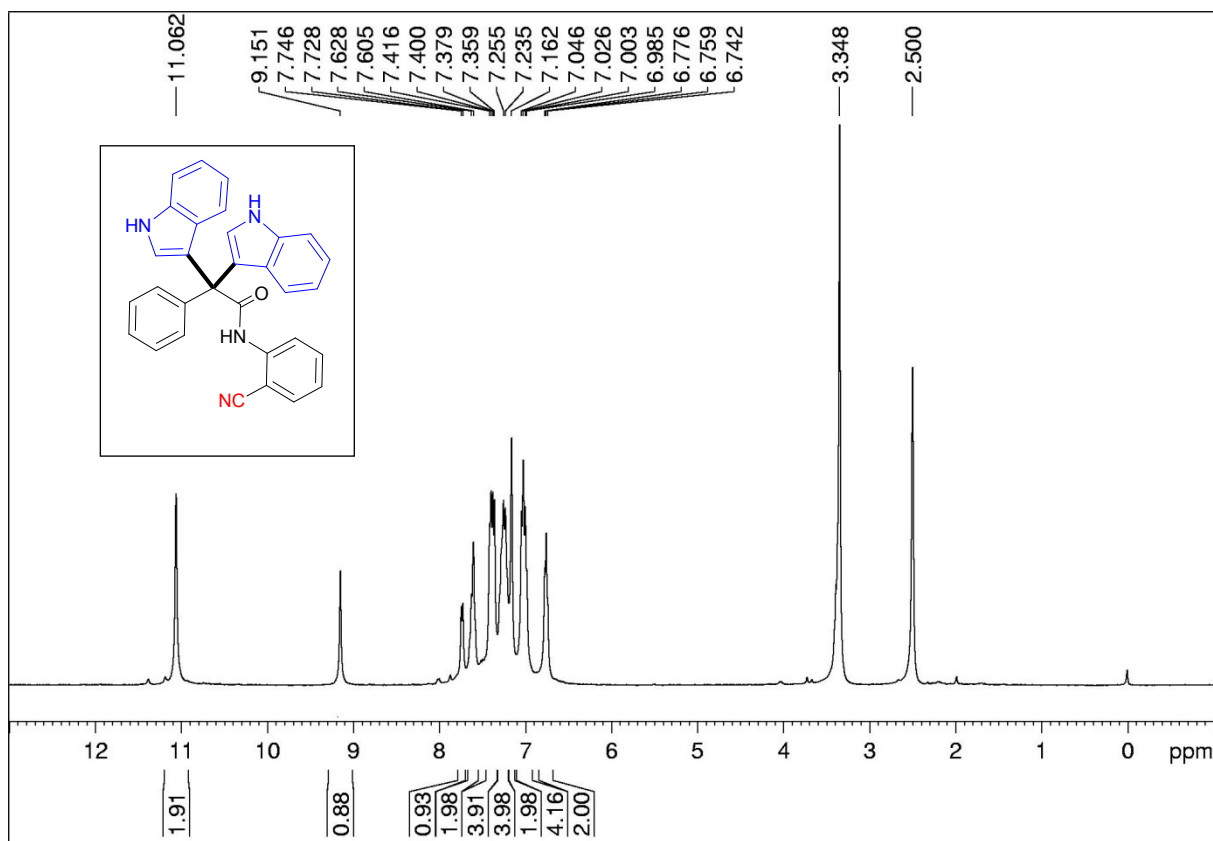
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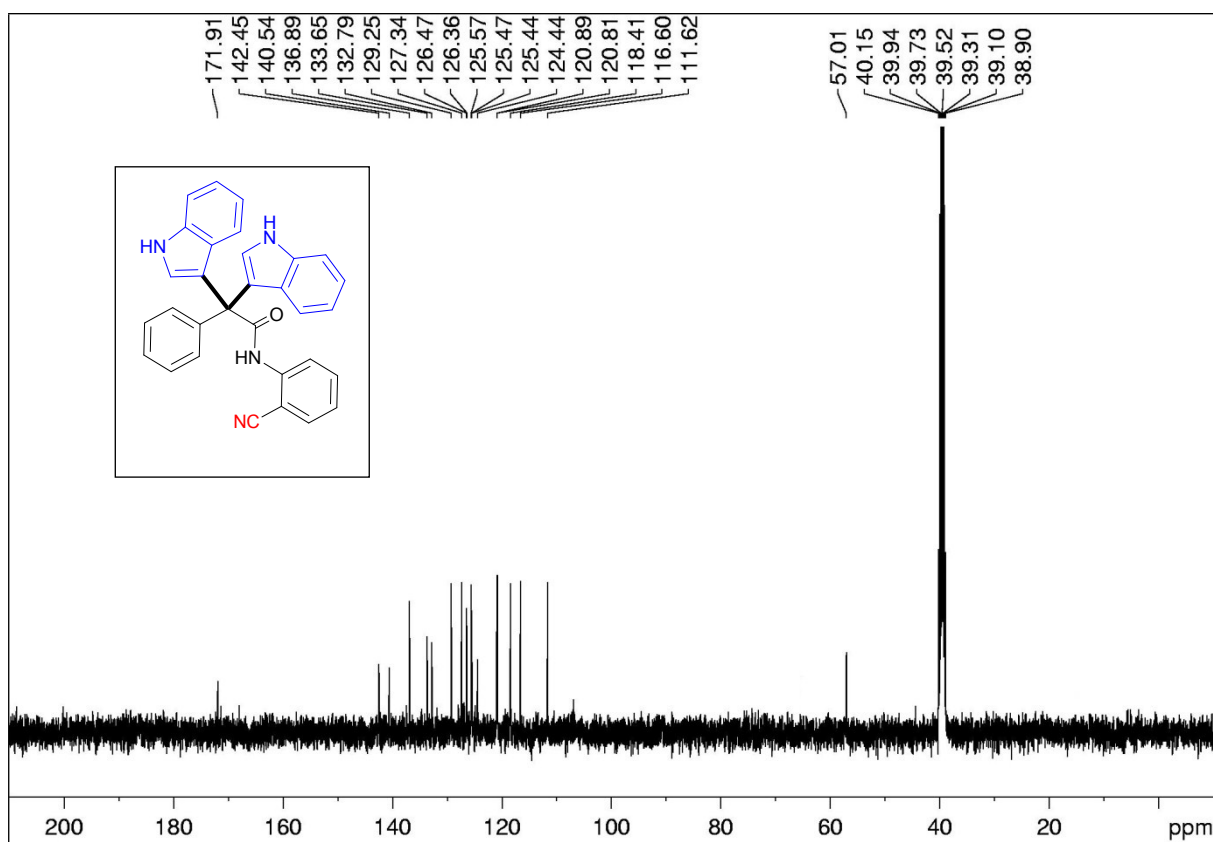
400 MHz ¹H-NMR spectra of **3e** in DMSO-d₆



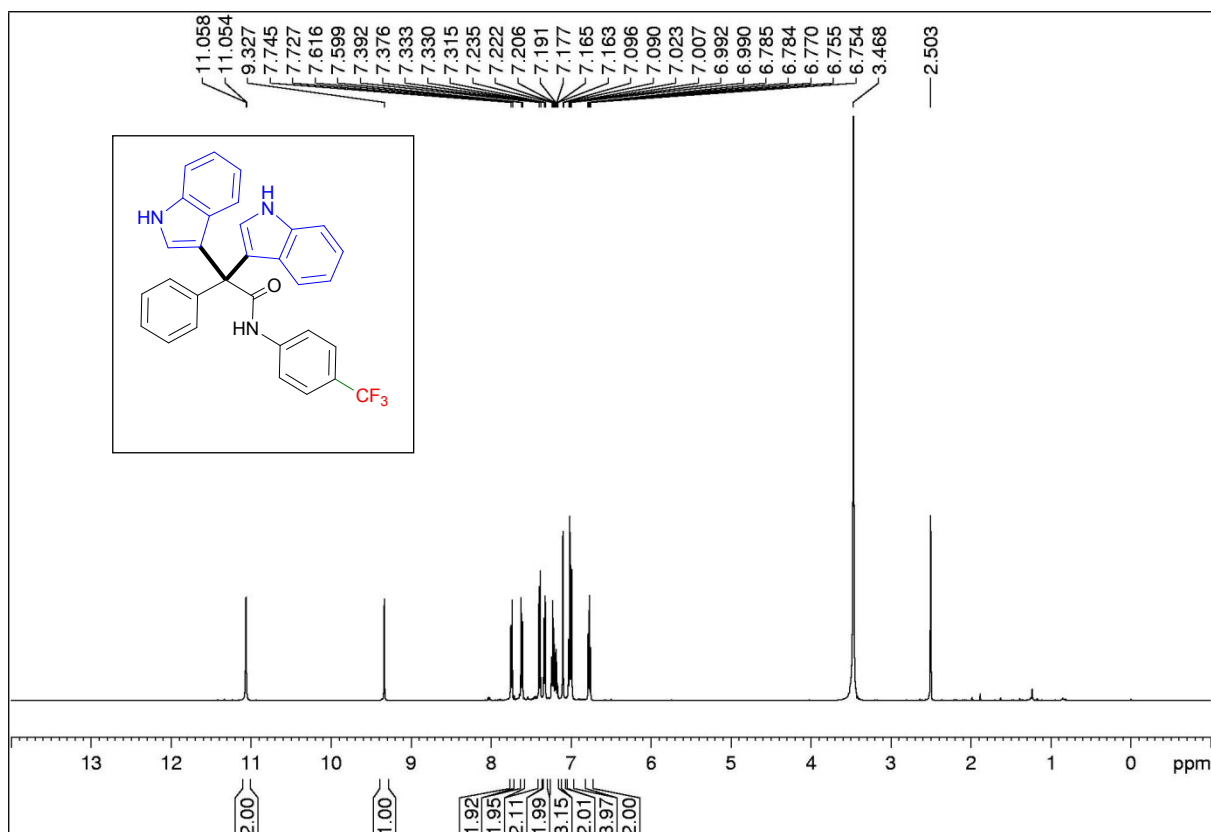
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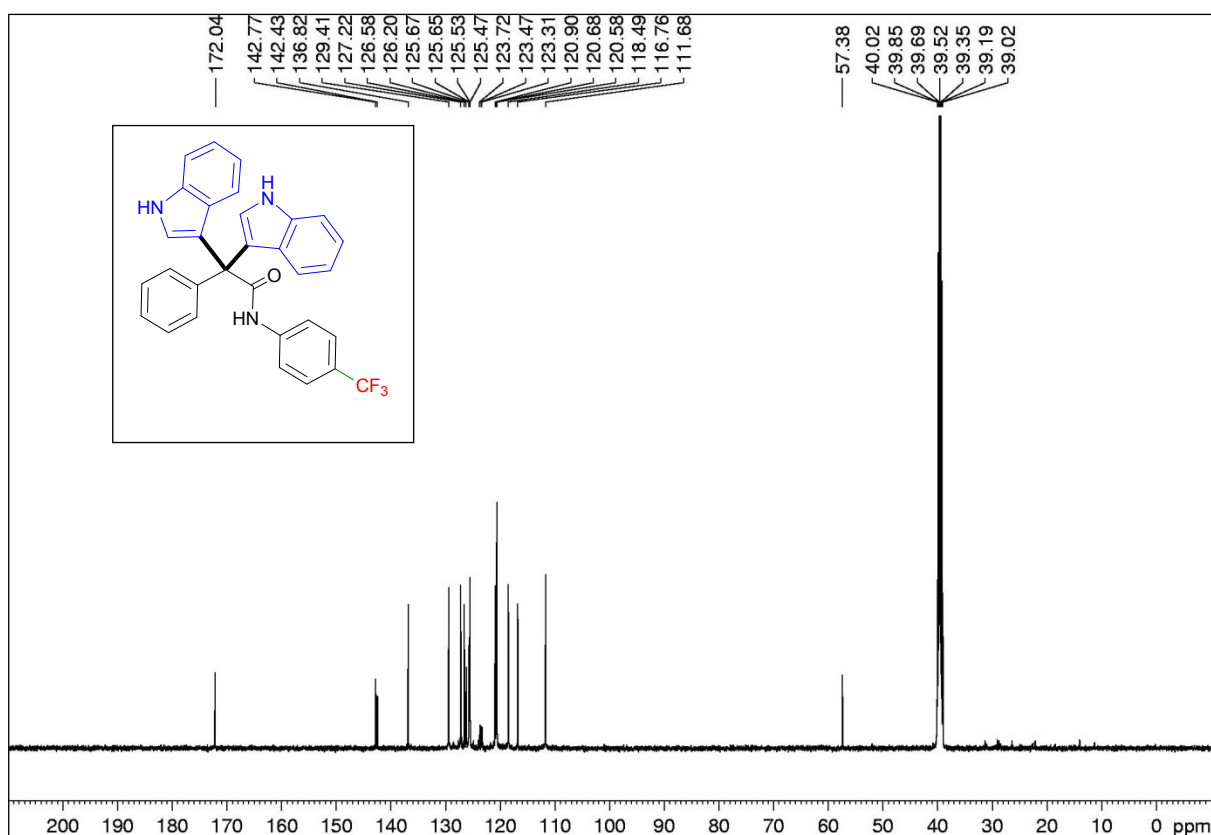
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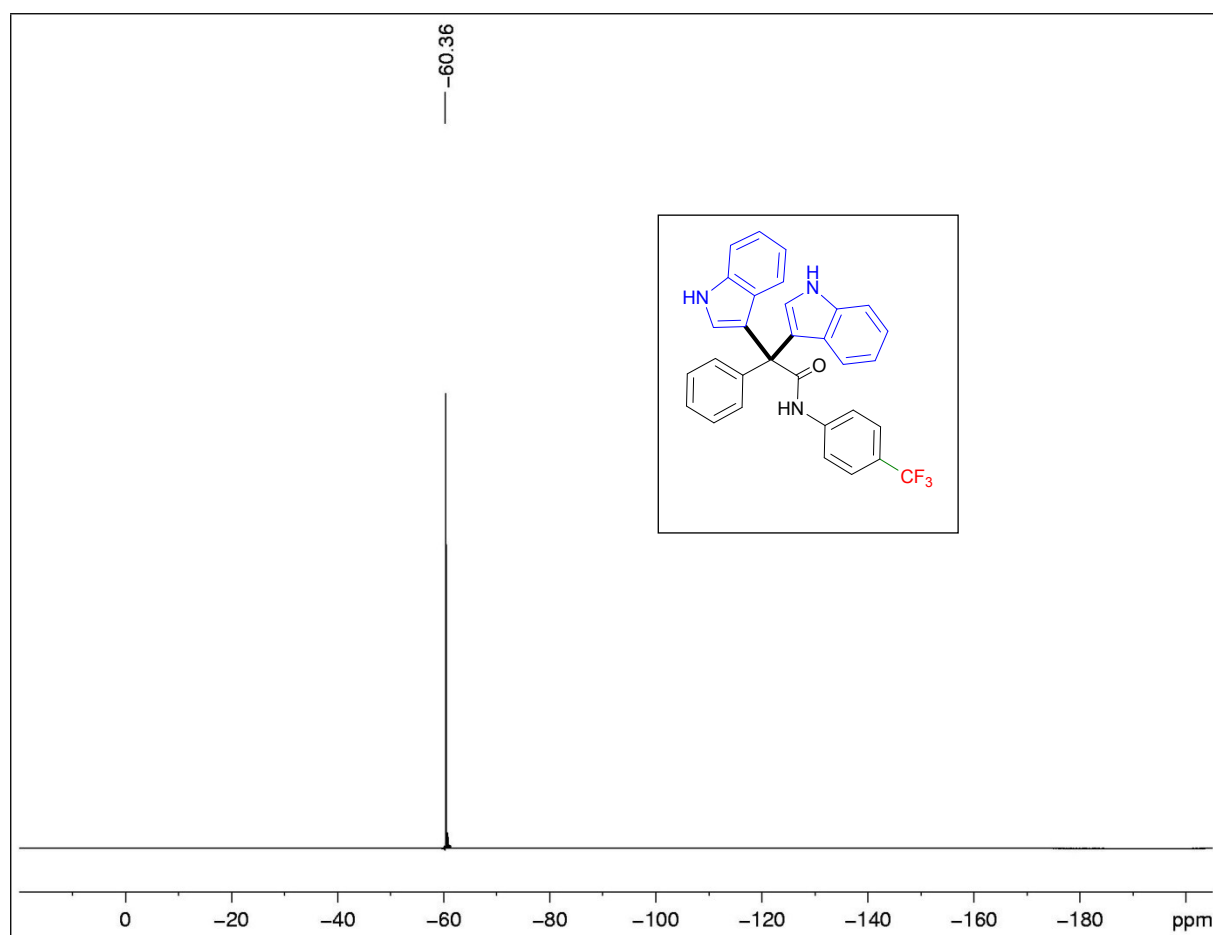
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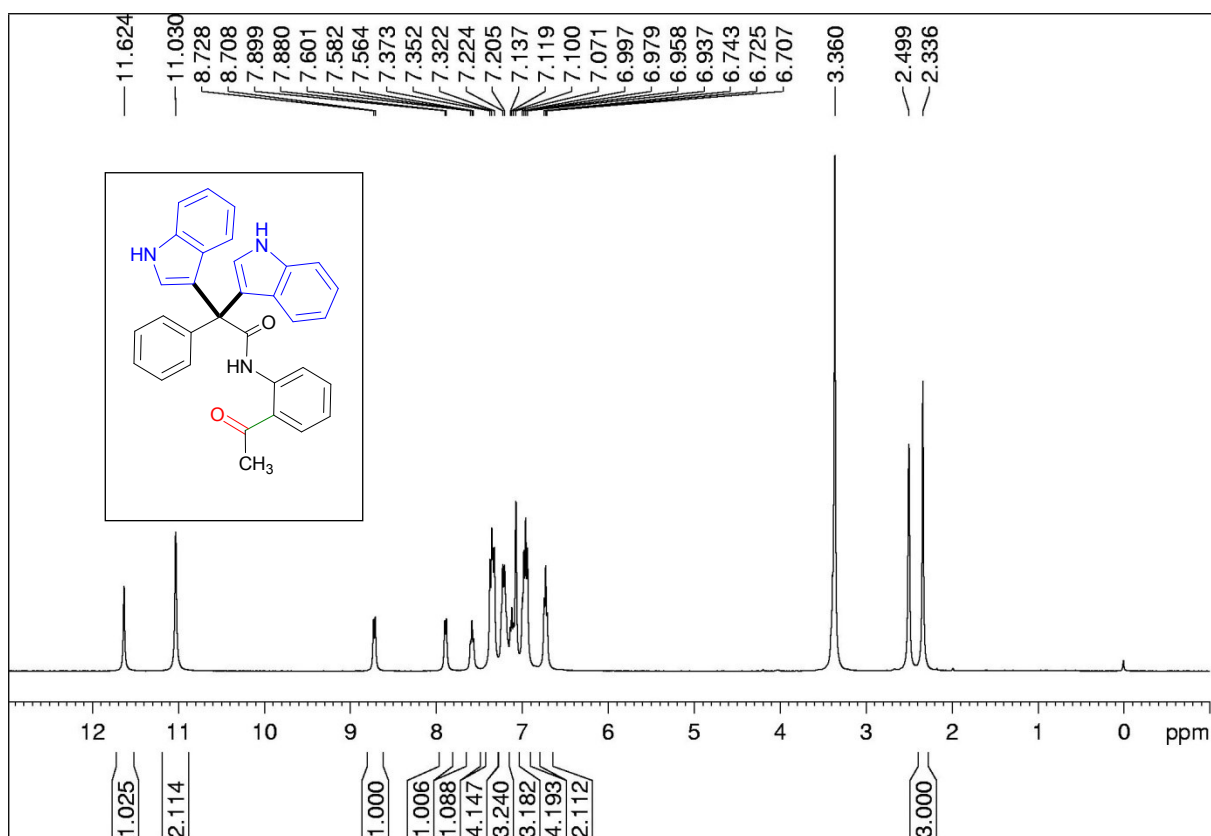
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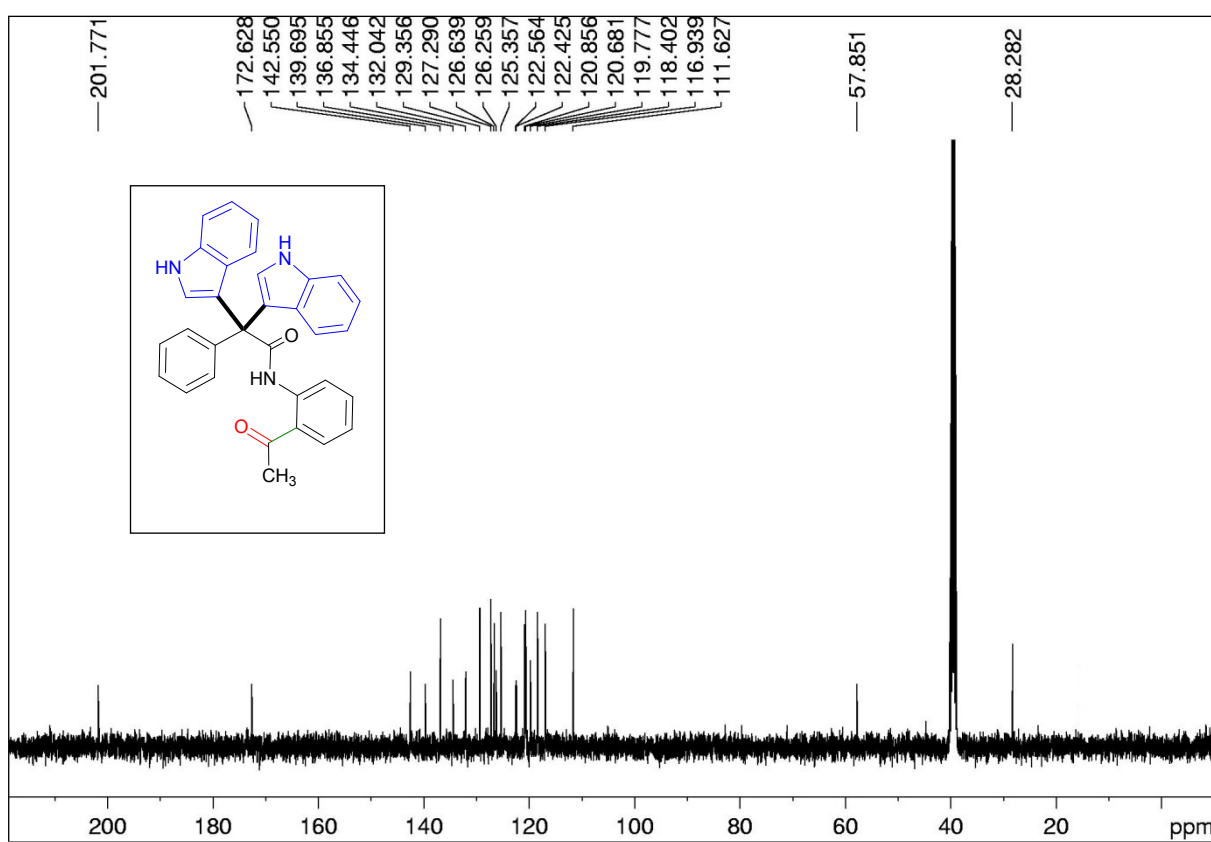
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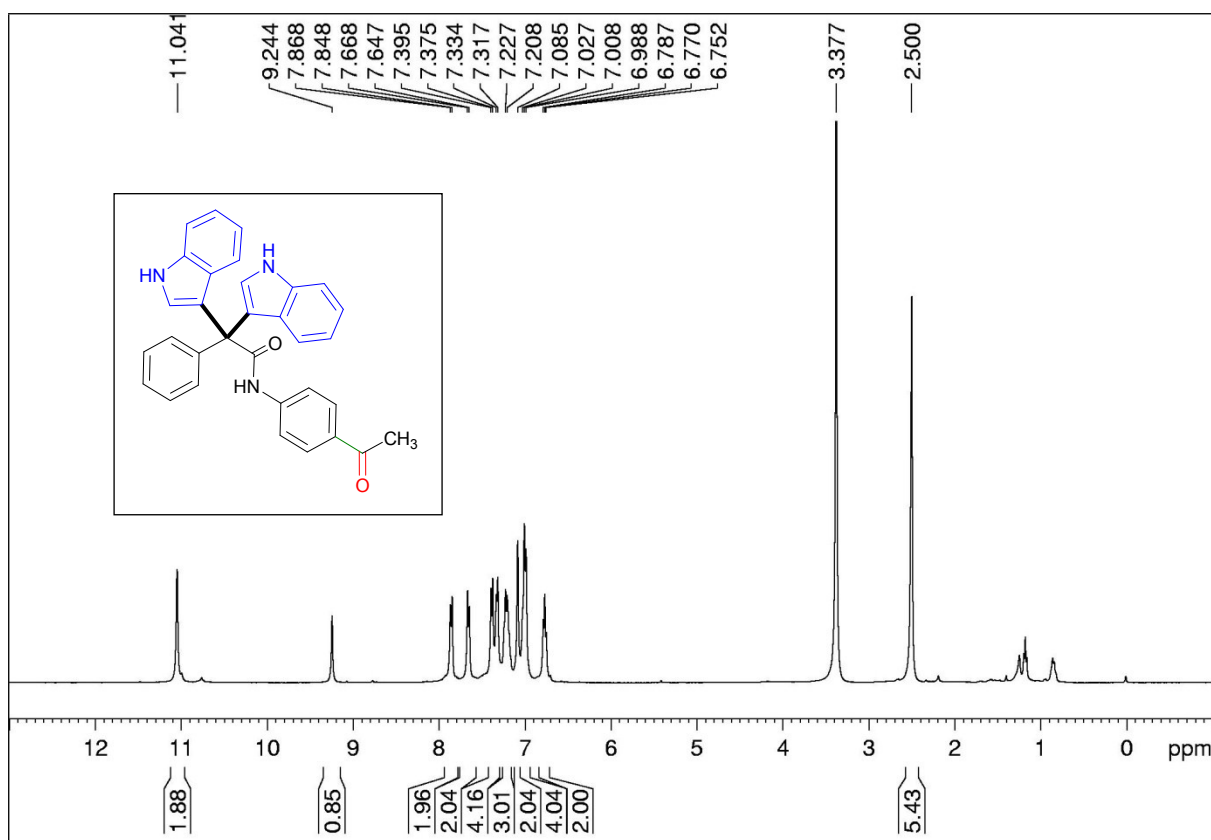
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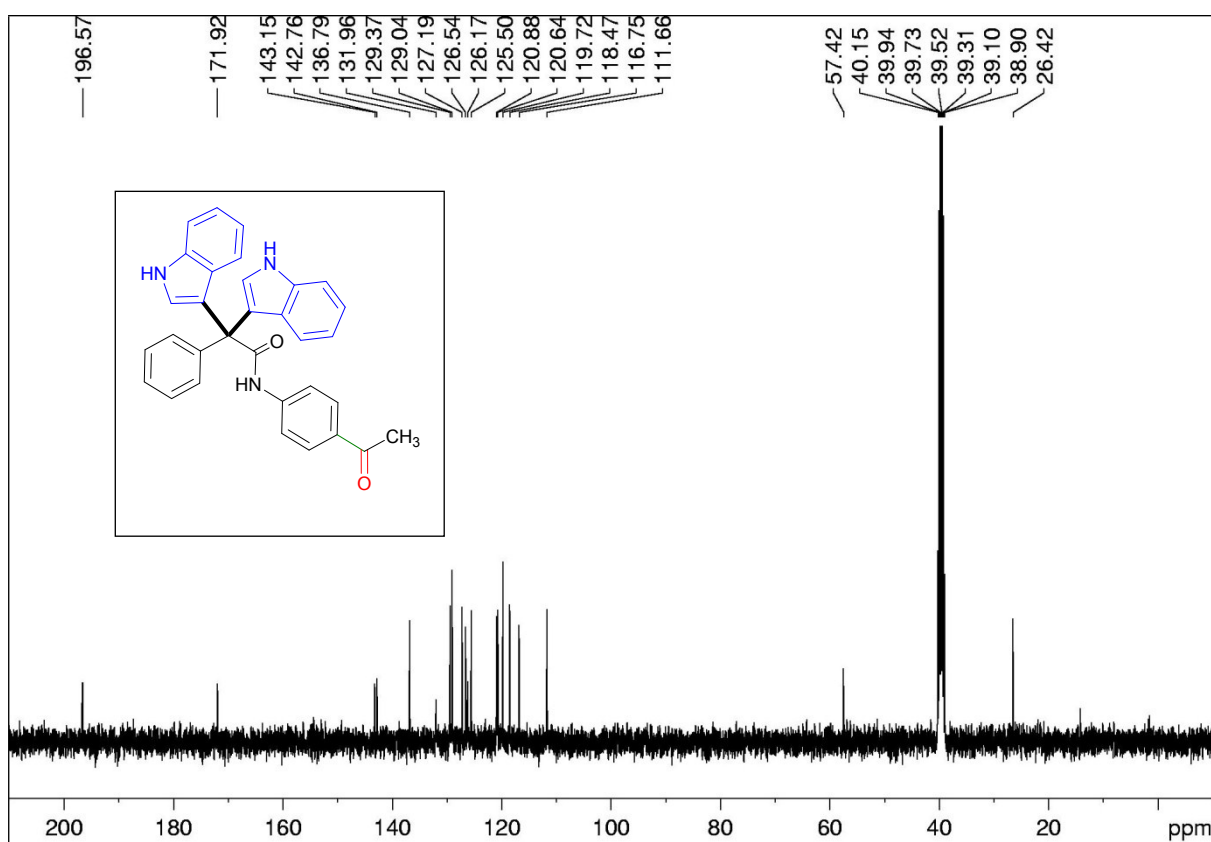
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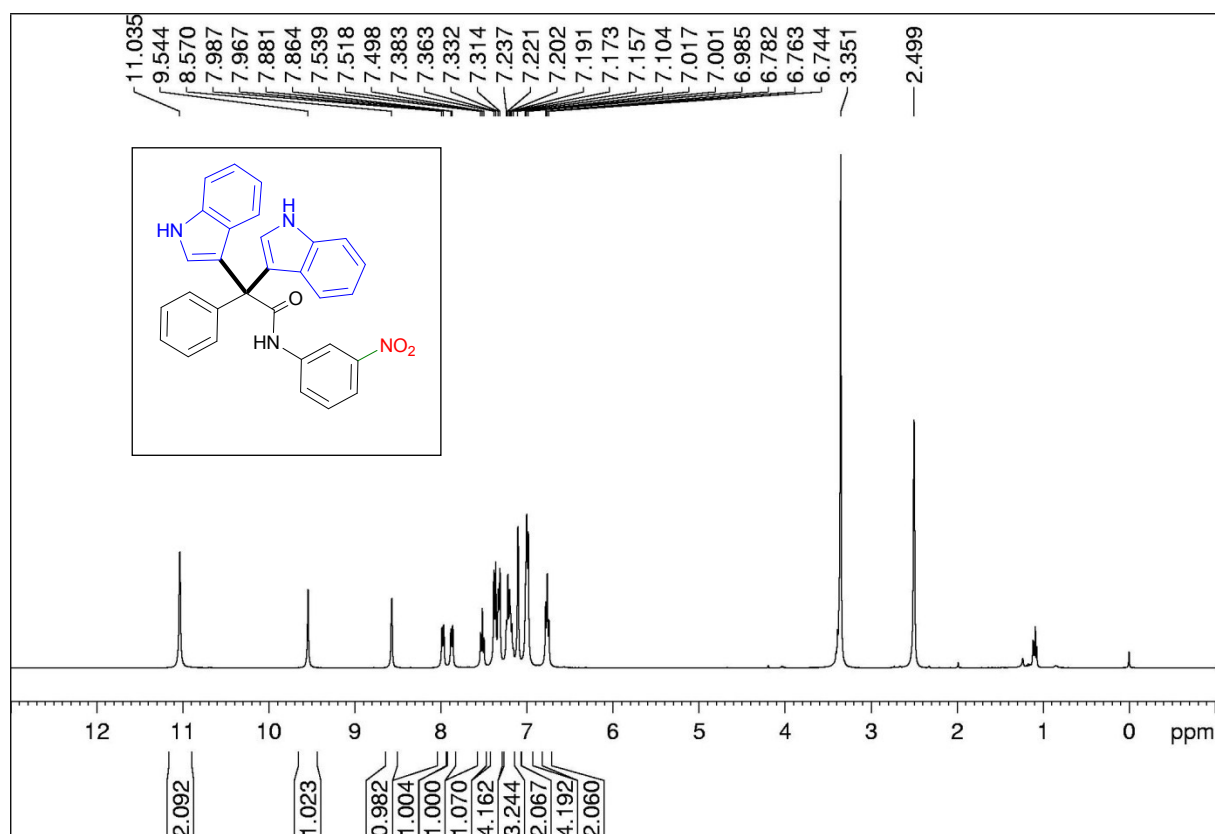
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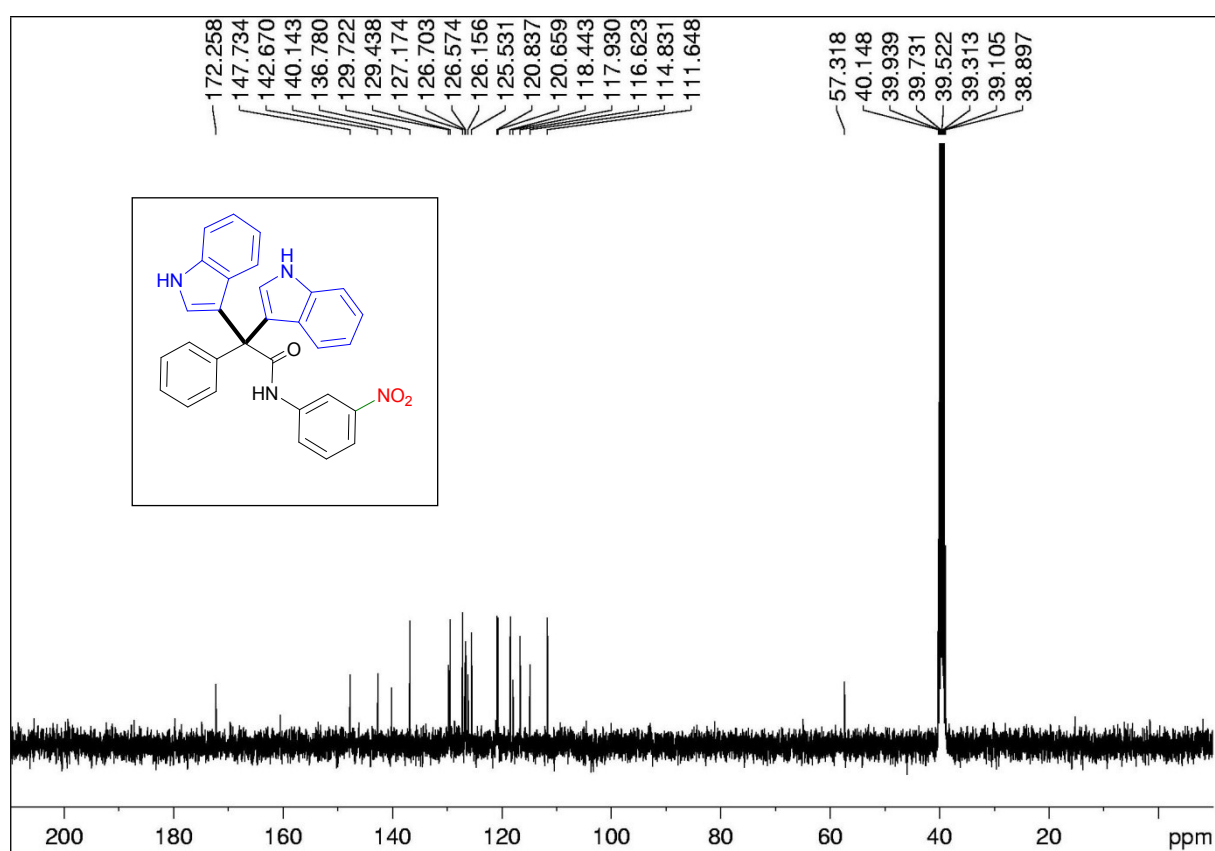
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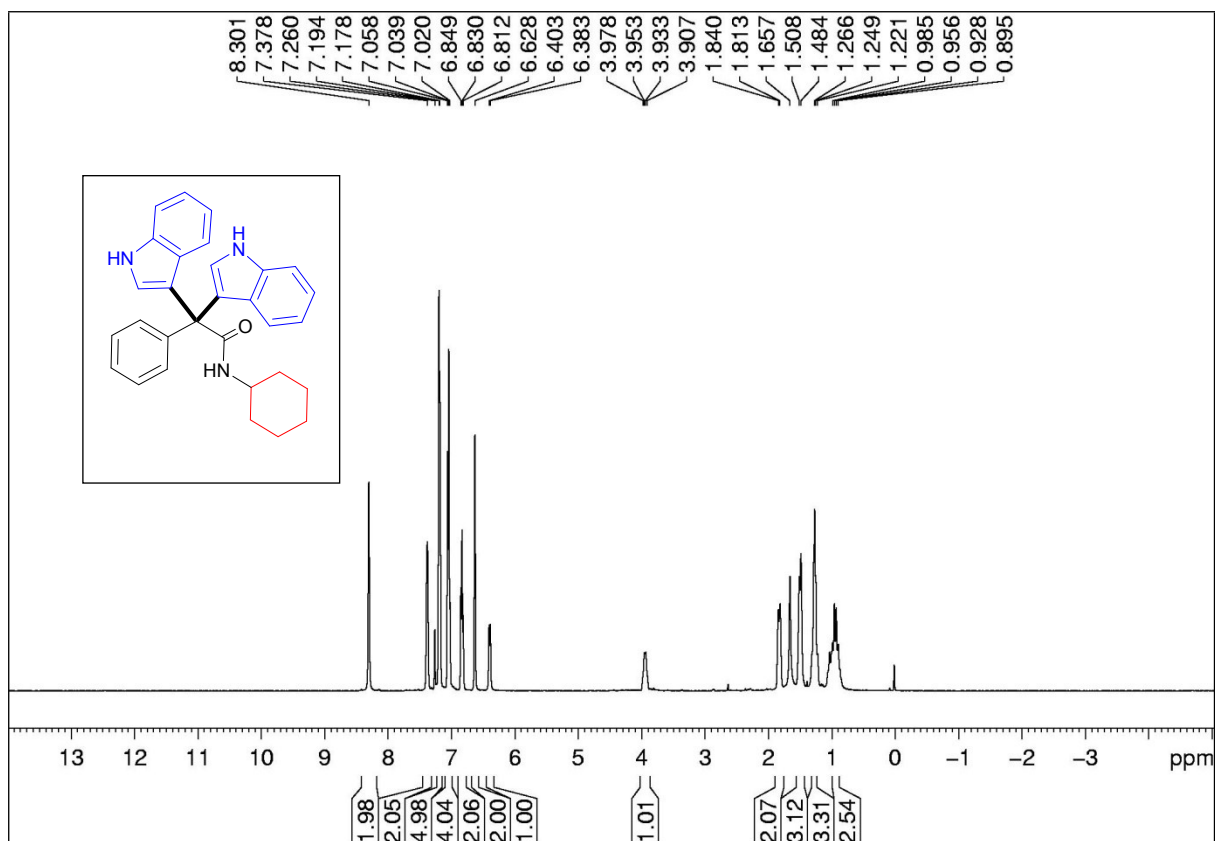
100 MHz ¹³C-NMR spectra of **3i** in DMSO-d₆



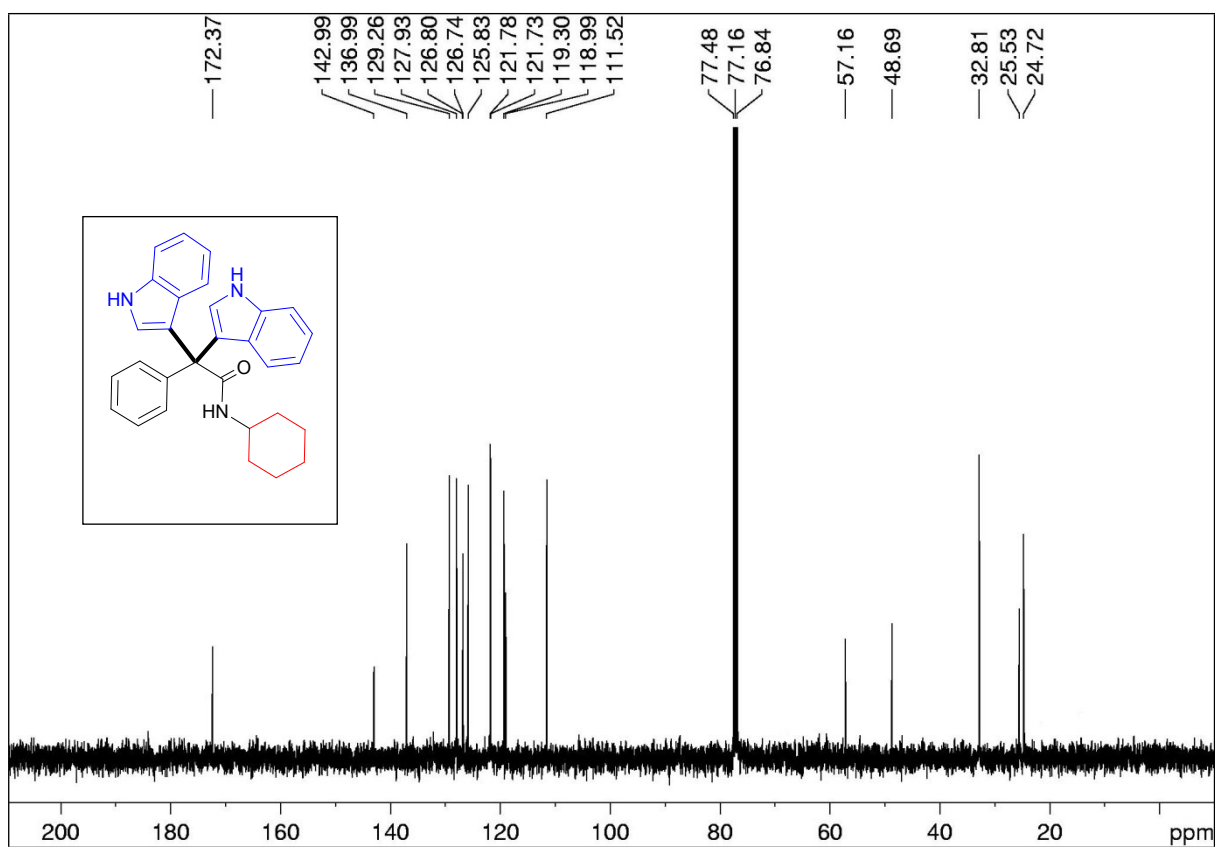
400 MHz ^1H -NMR spectra of **3j** in DMSO-d_6



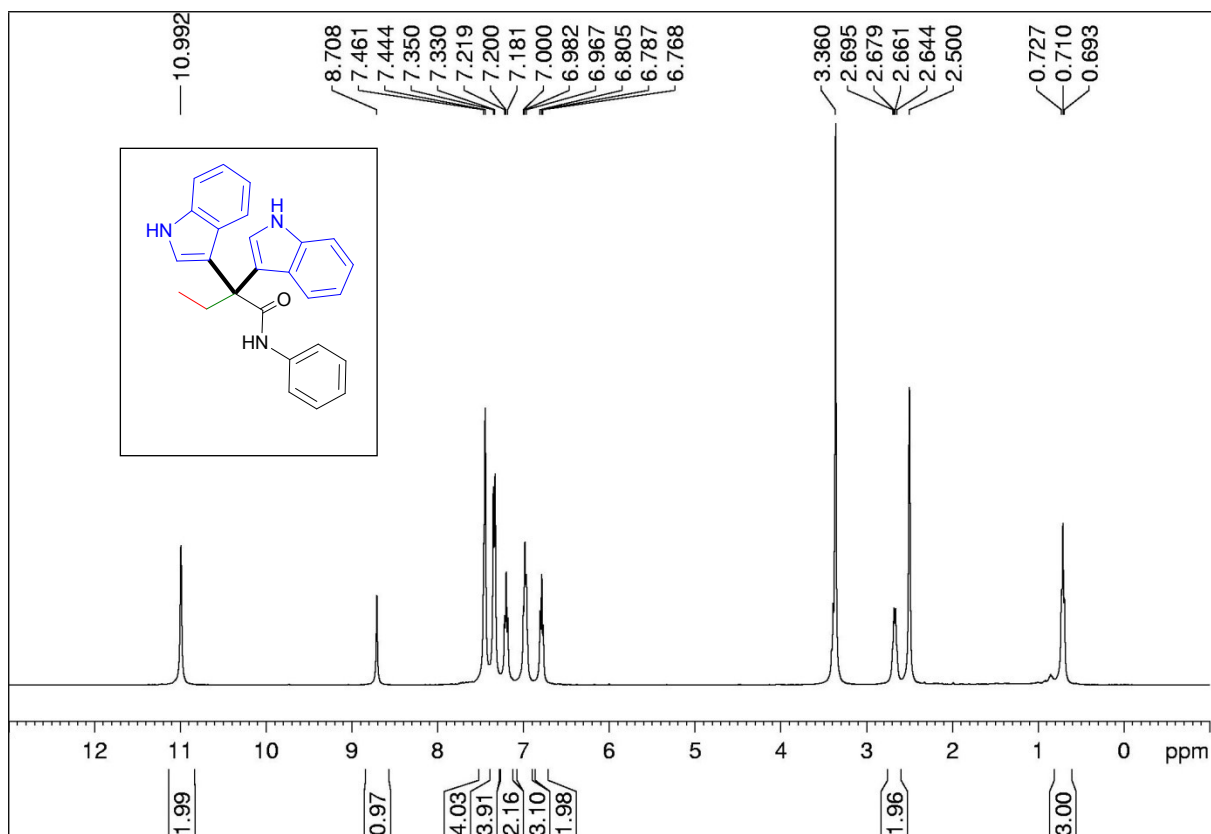
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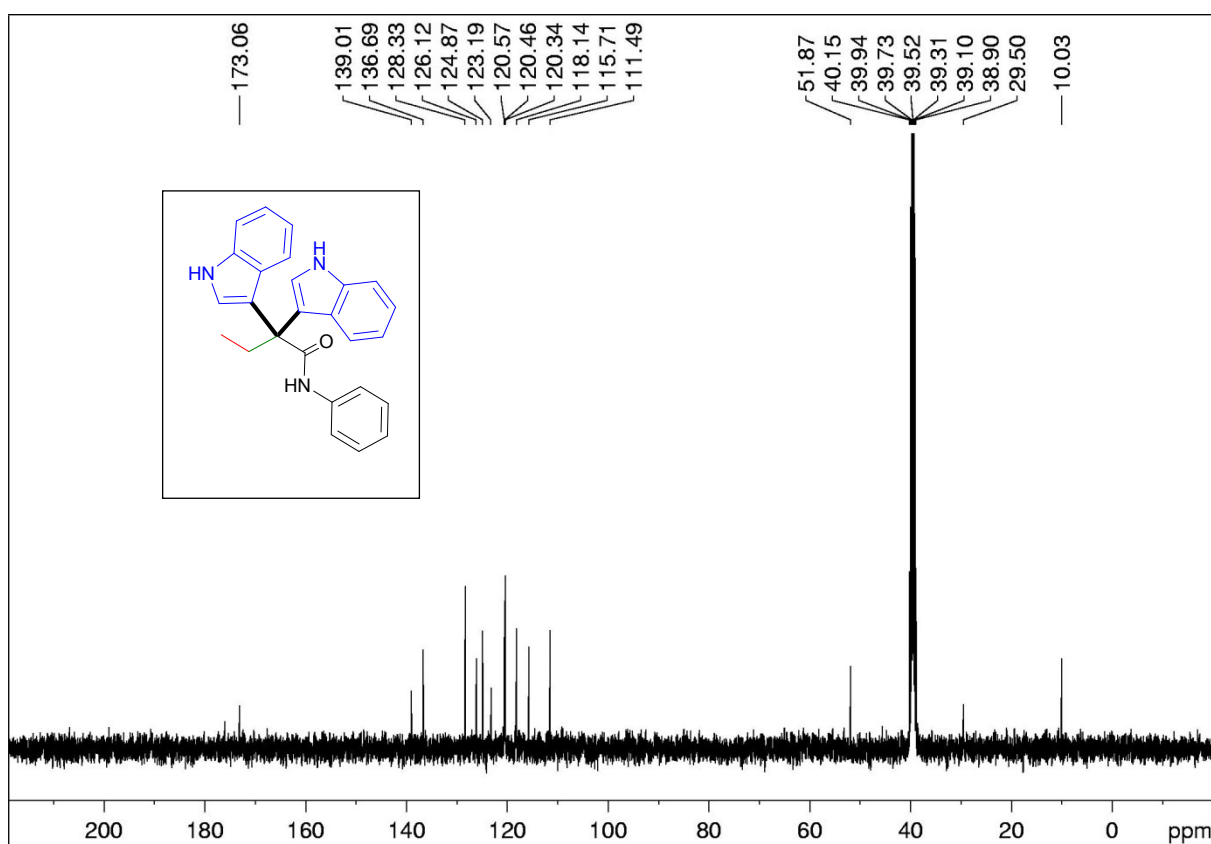
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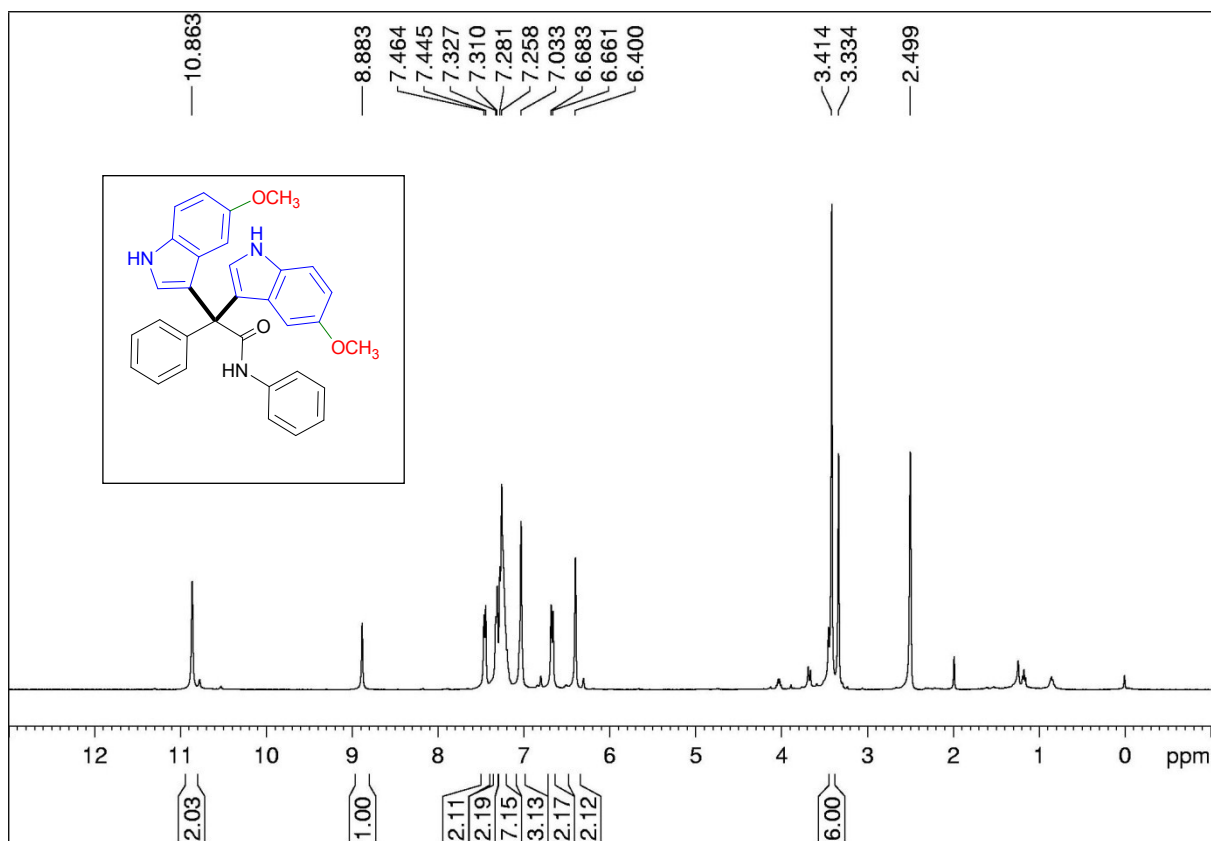
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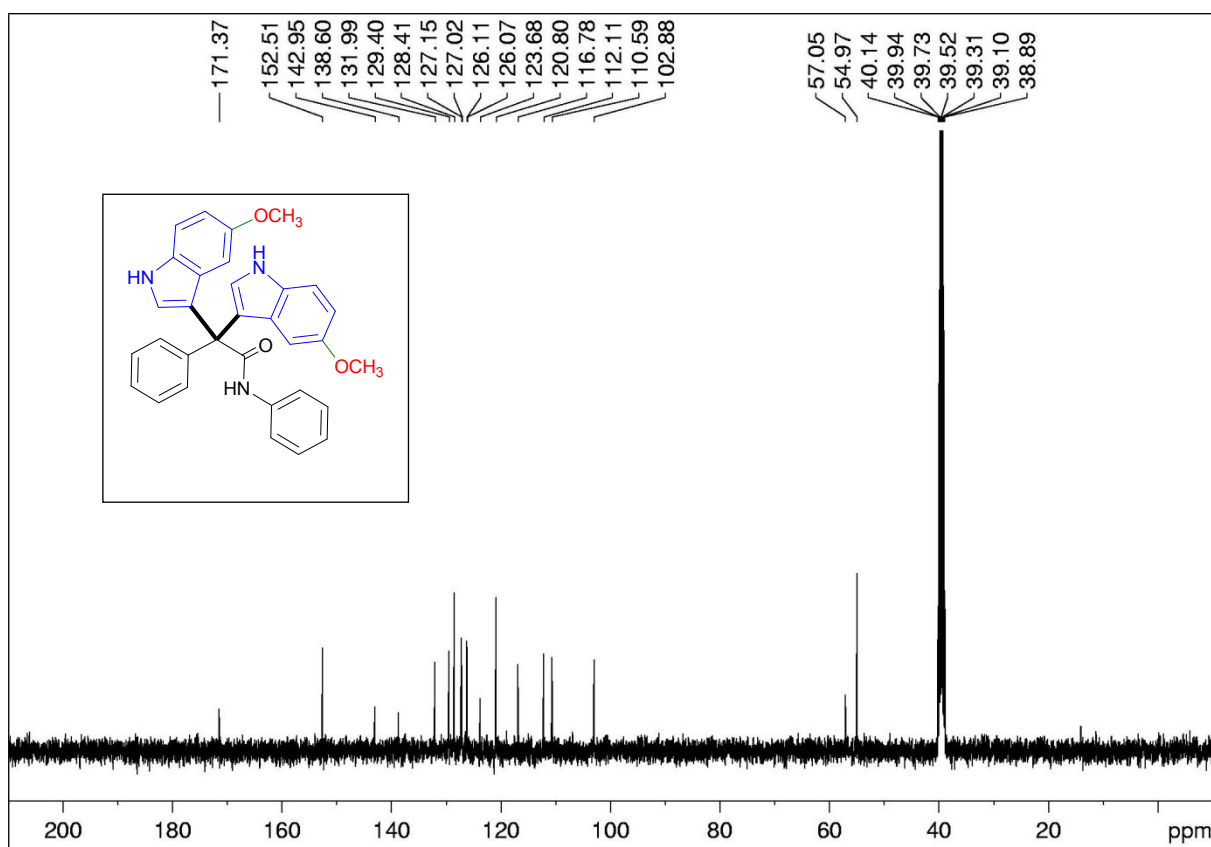
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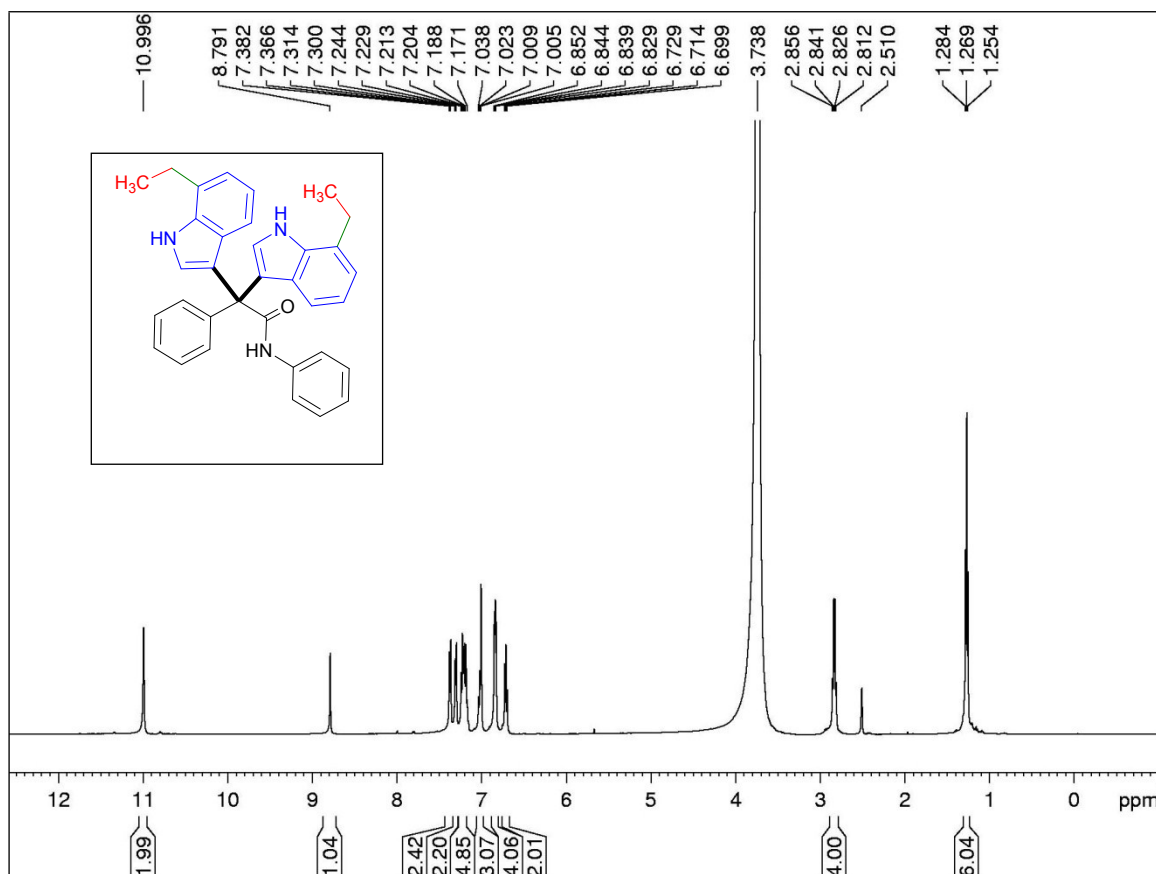
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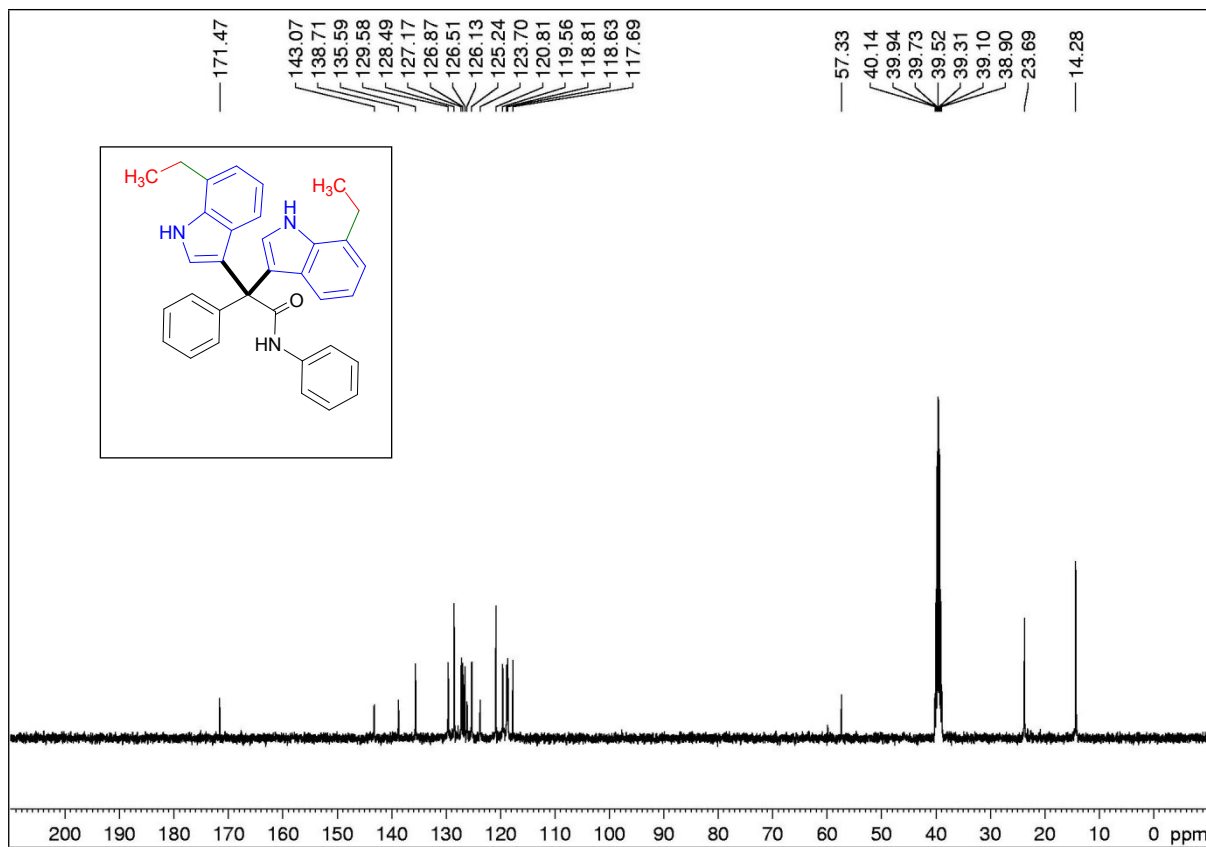
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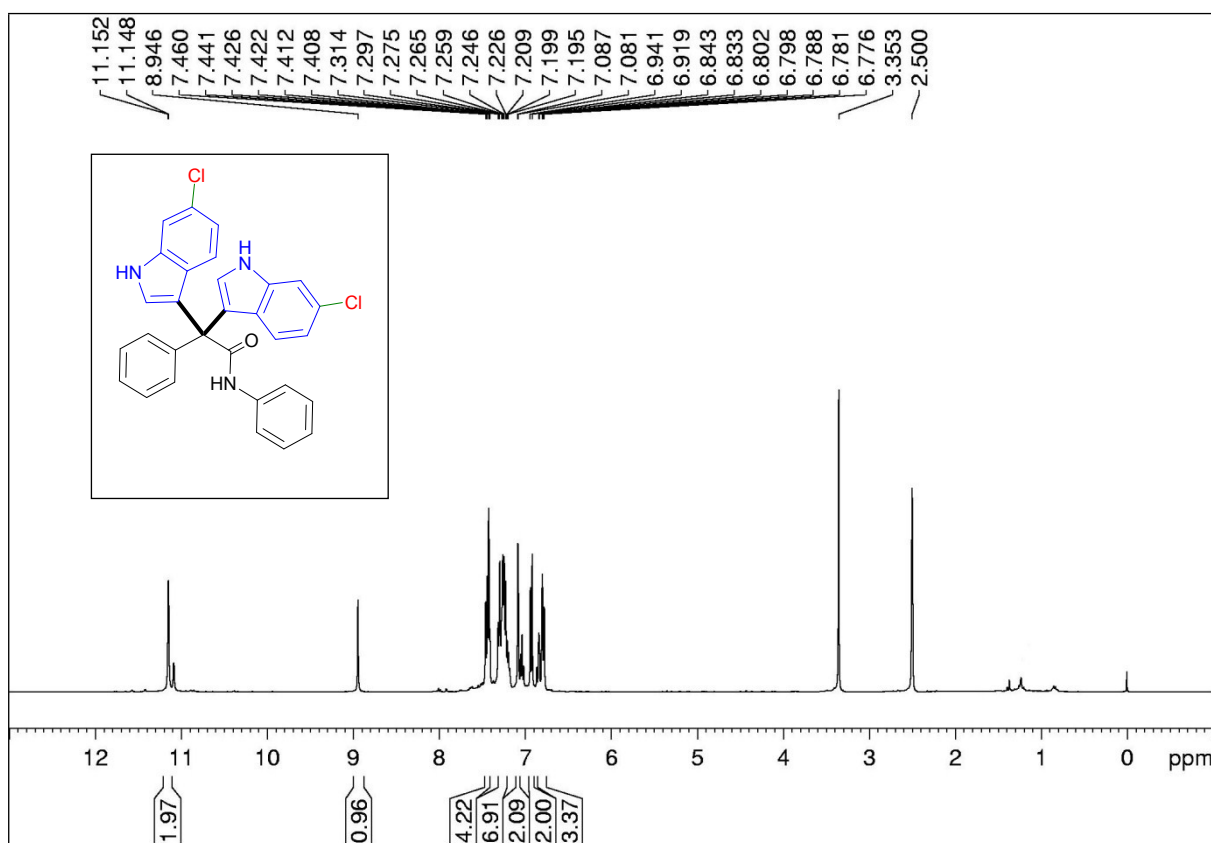
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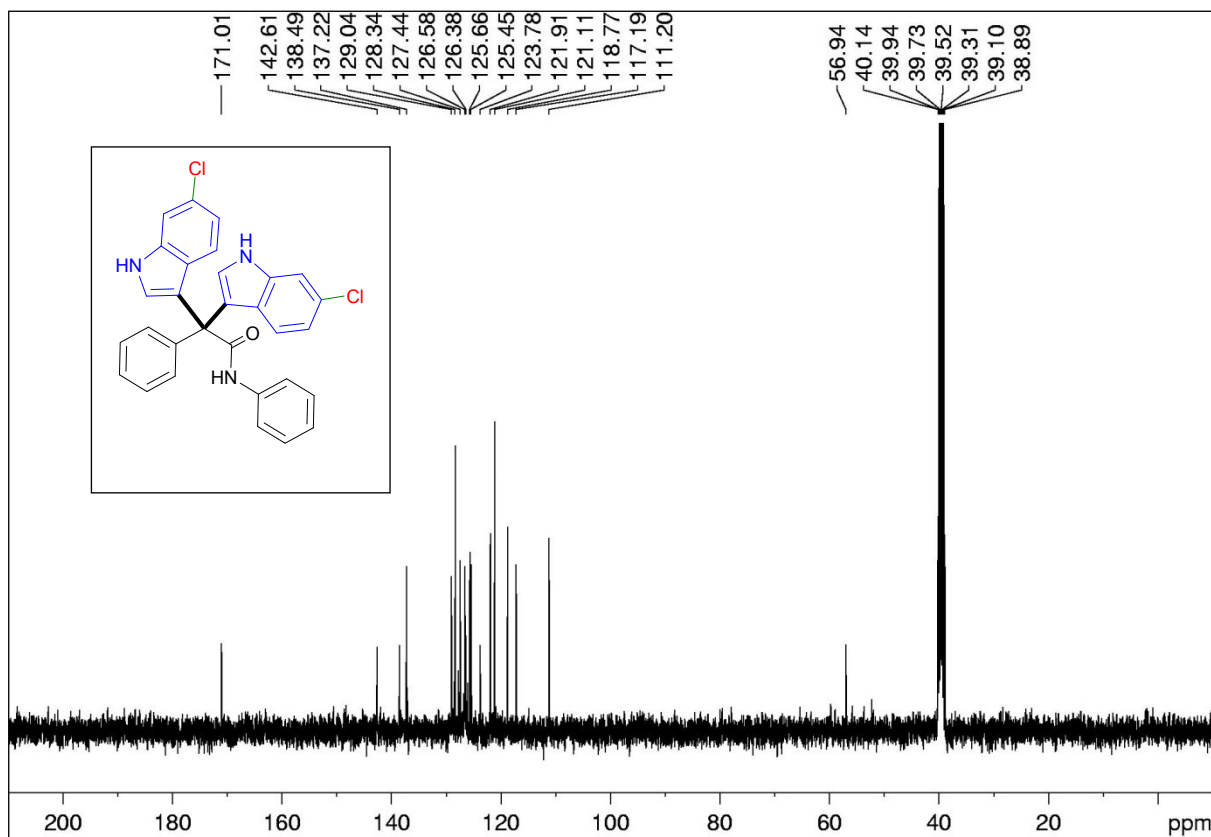
400 MHz ¹H-NMR spectra of **3o** in DMSO-d₆



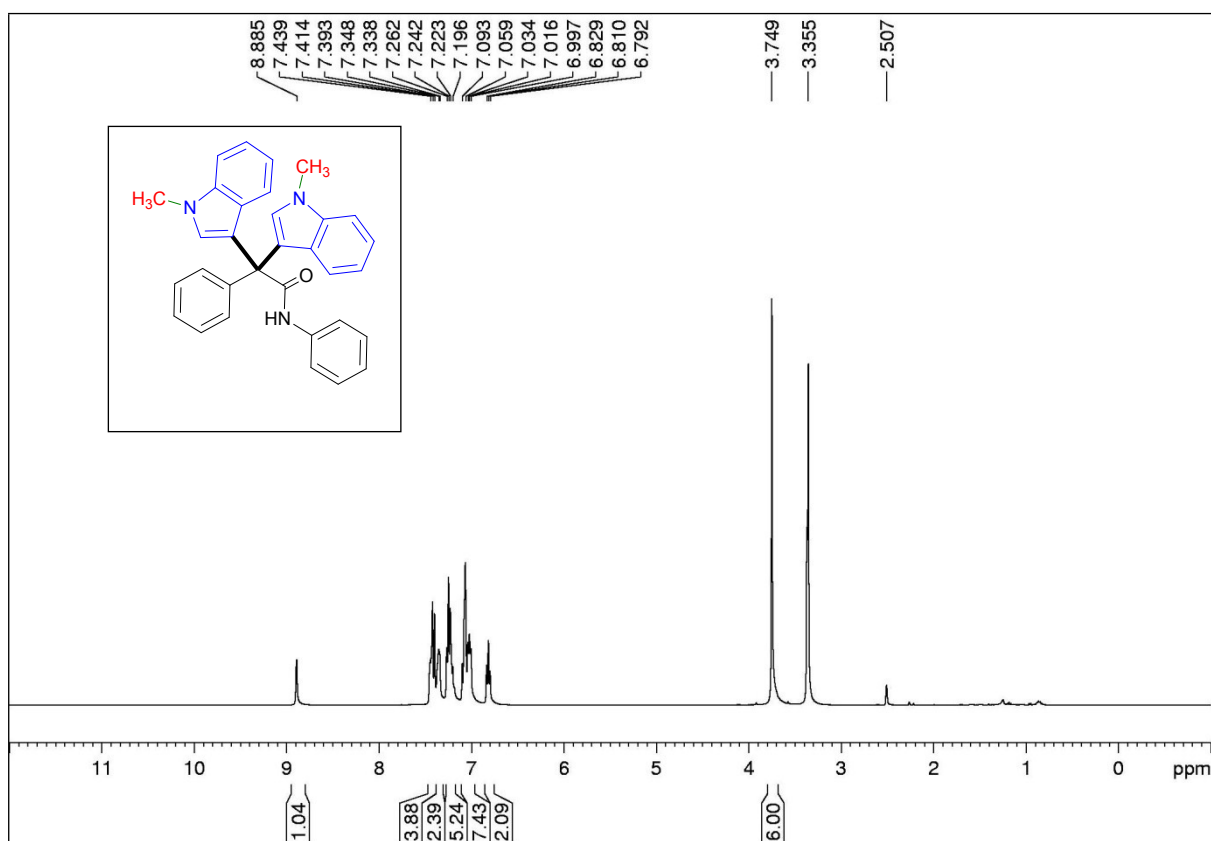
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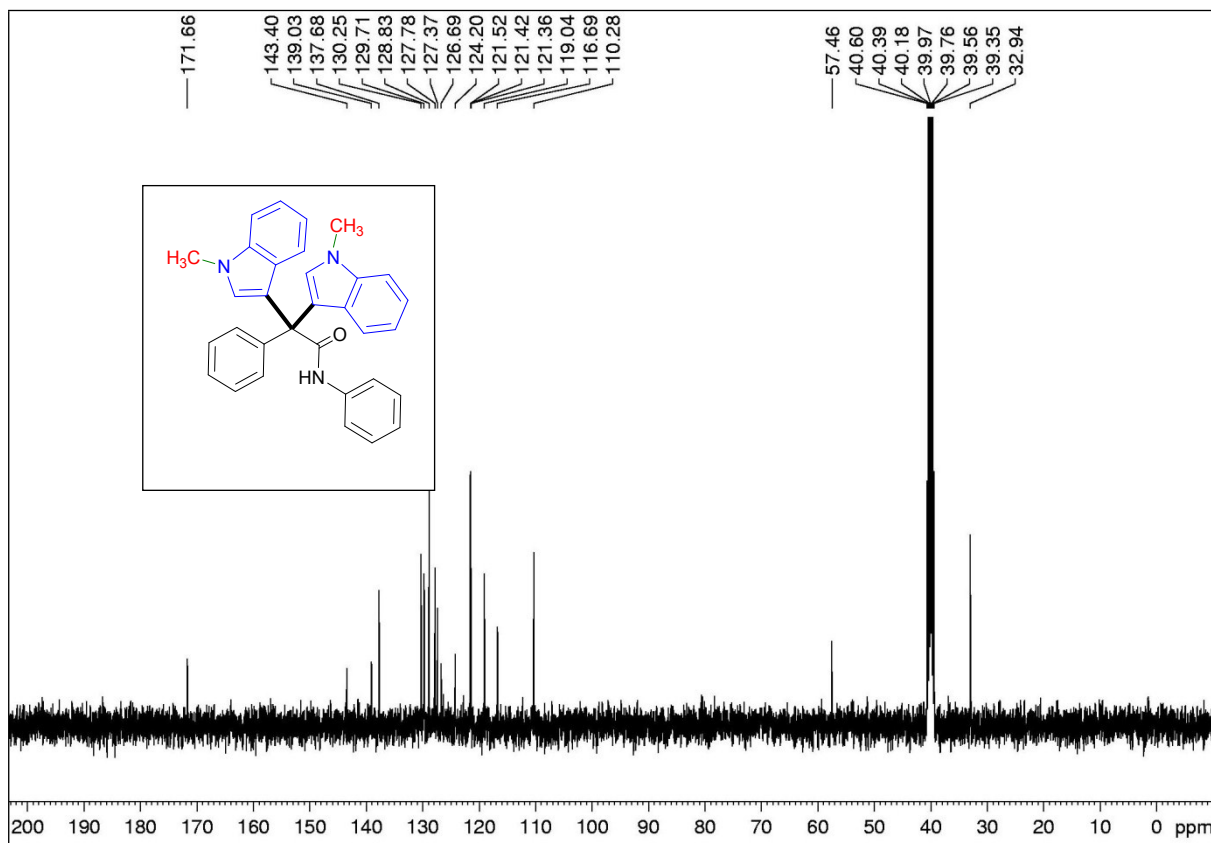
400 MHz ¹H-NMR spectra of **3q** in DMSO-d₆



100 MHz ¹³C-NMR spectra of **3q** in DMSO-d₆

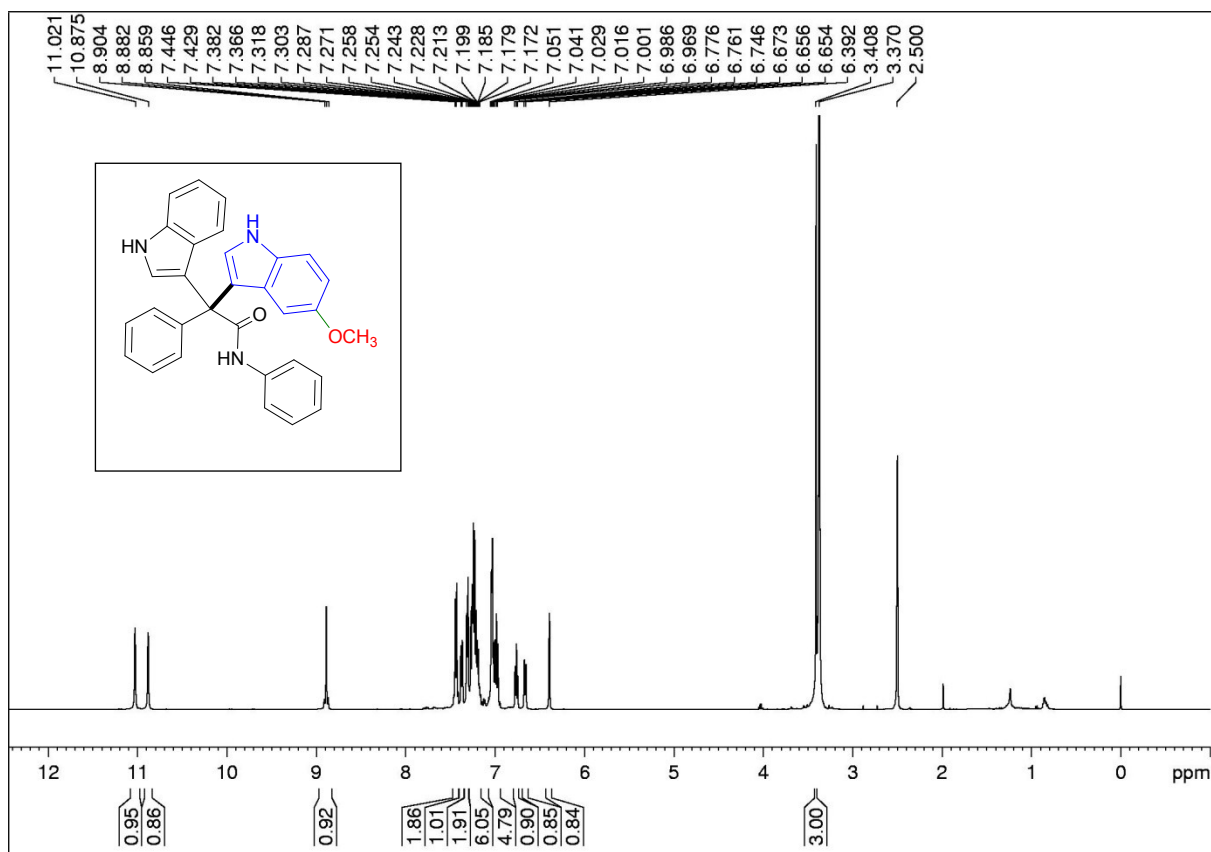


400 MHz ¹H-NMR spectra of **3s** in DMSO-d₆

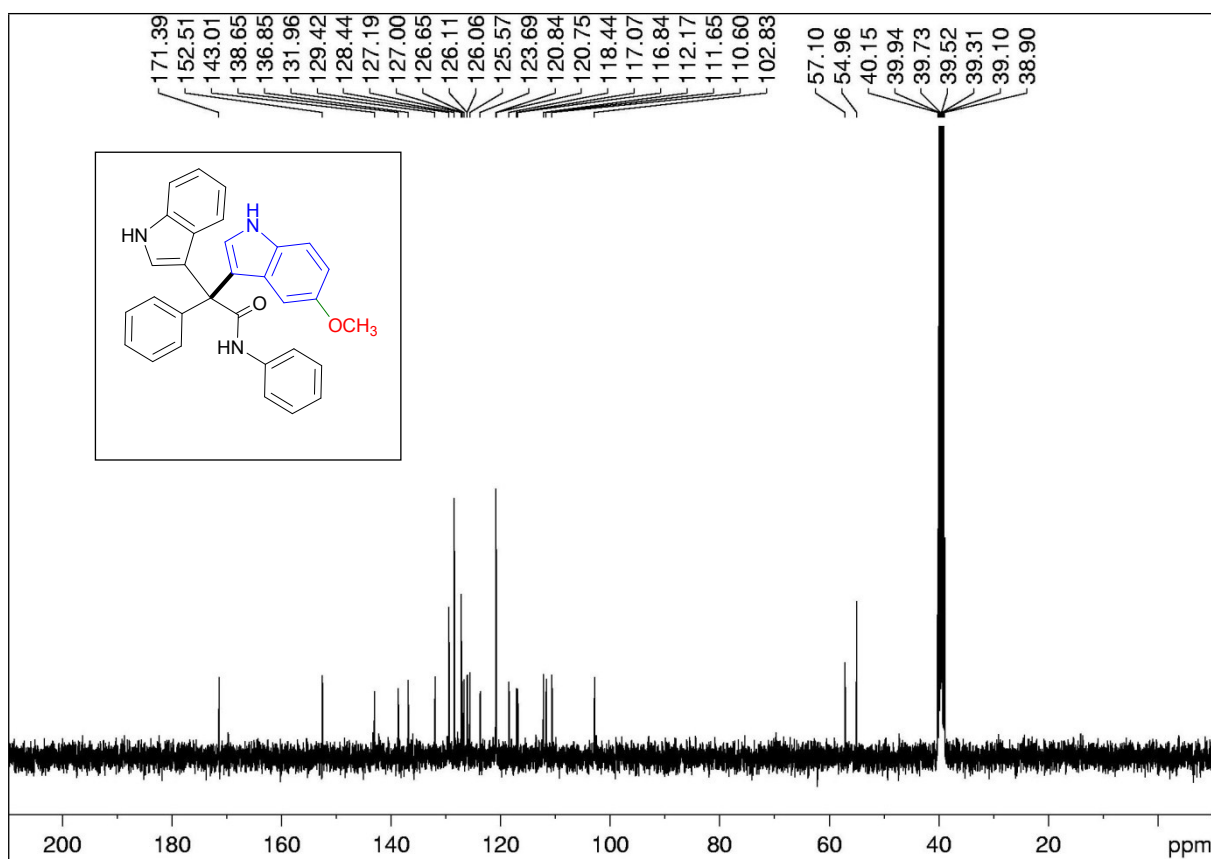


100 MHz ¹³C-NMR spectra of **3s** in DMSO-d₆

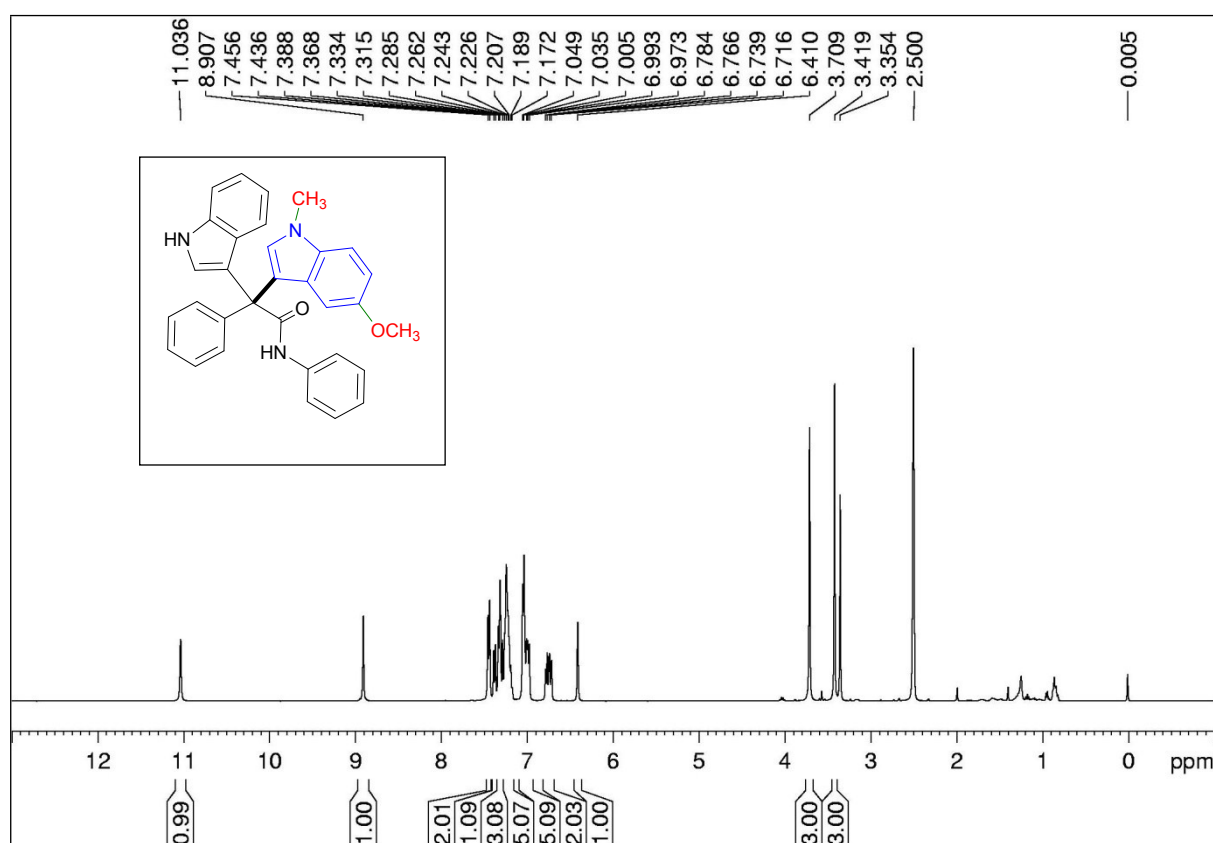
Copies of ^1H and ^{13}C spectra for unsymmetrical 3,3'-bisindolyl acetamides



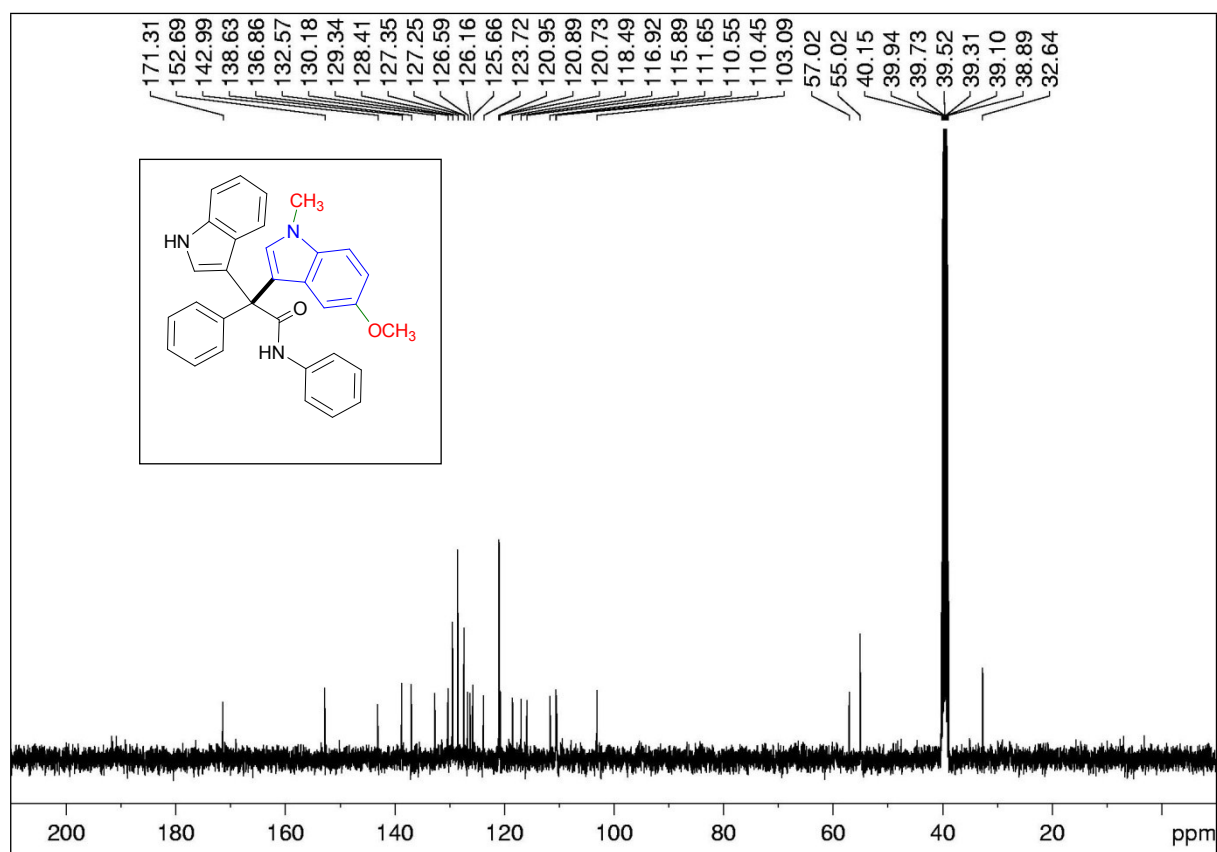
500 MHz ^1H -NMR spectra of **5a** in DMSO-d_6



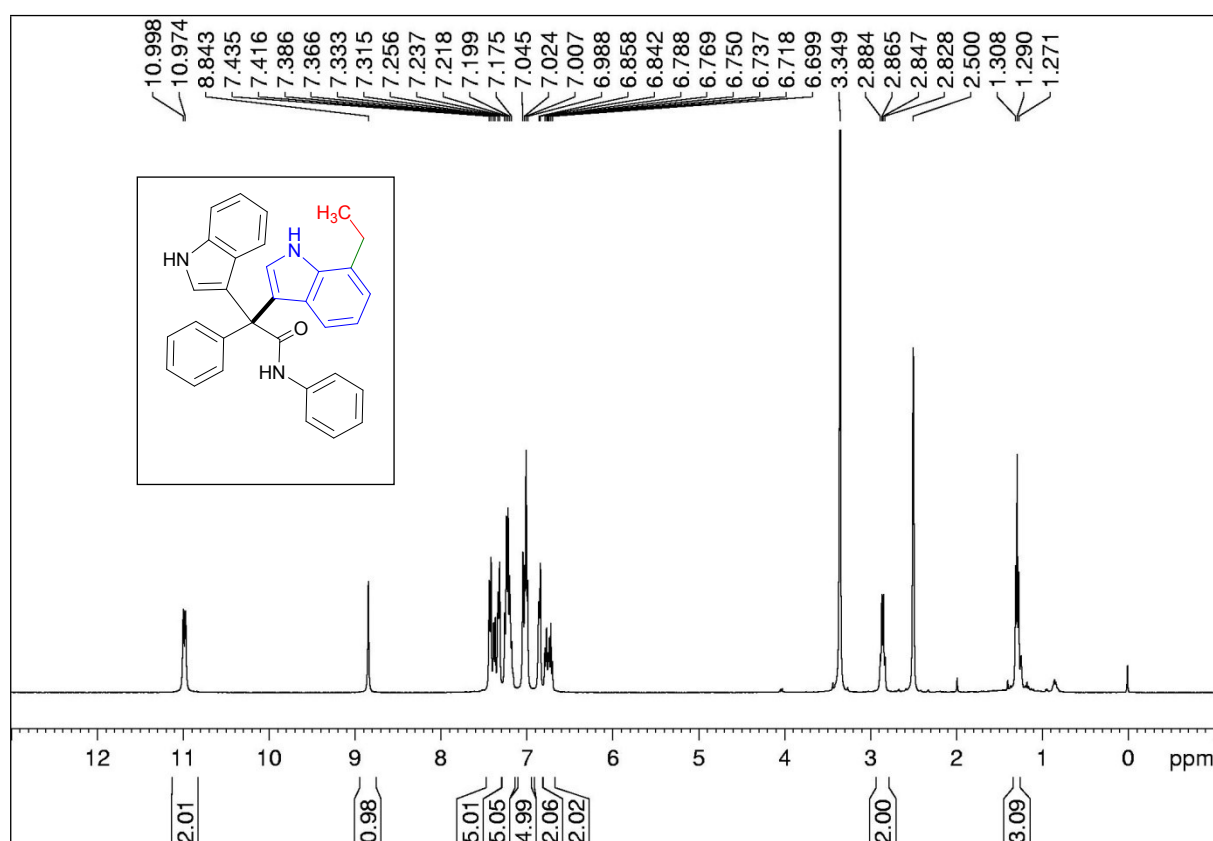
100 MHz ^{13}C -NMR spectra of **5a** in DMSO-d_6



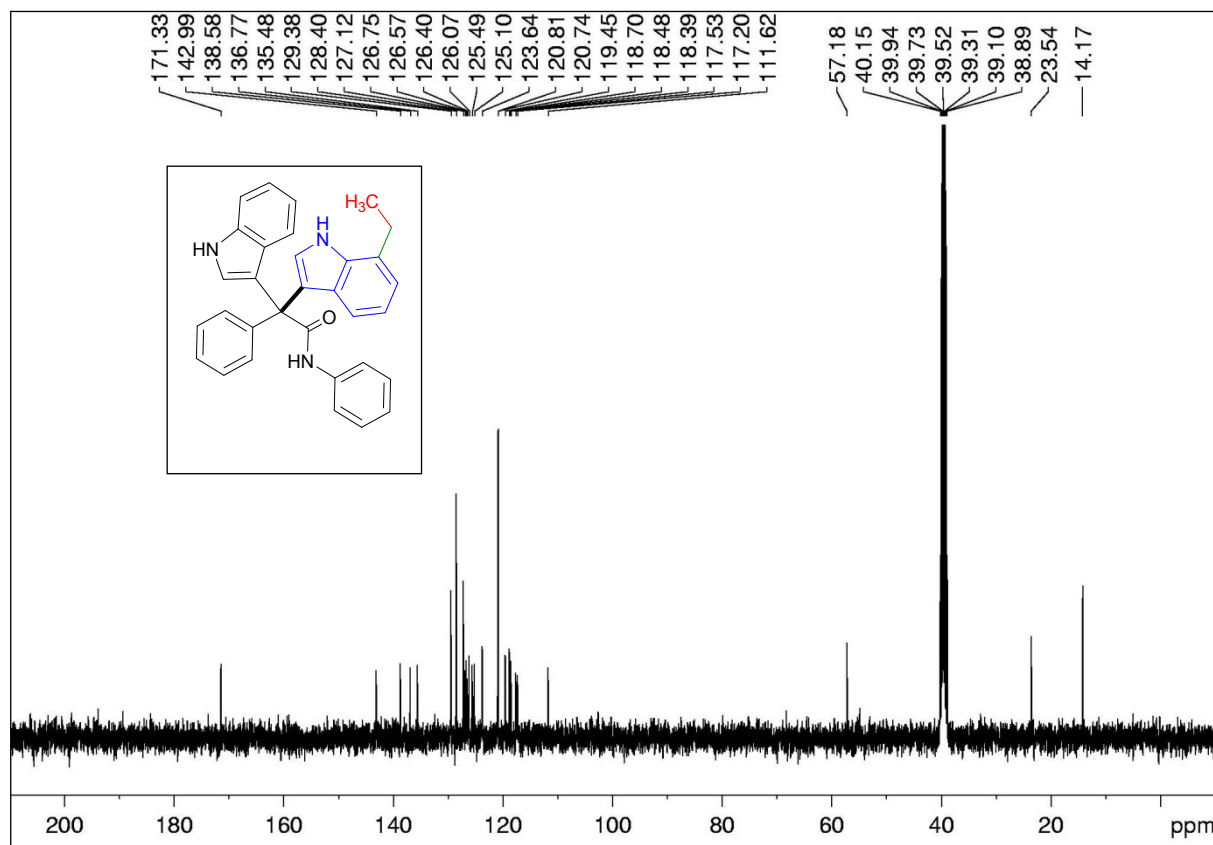
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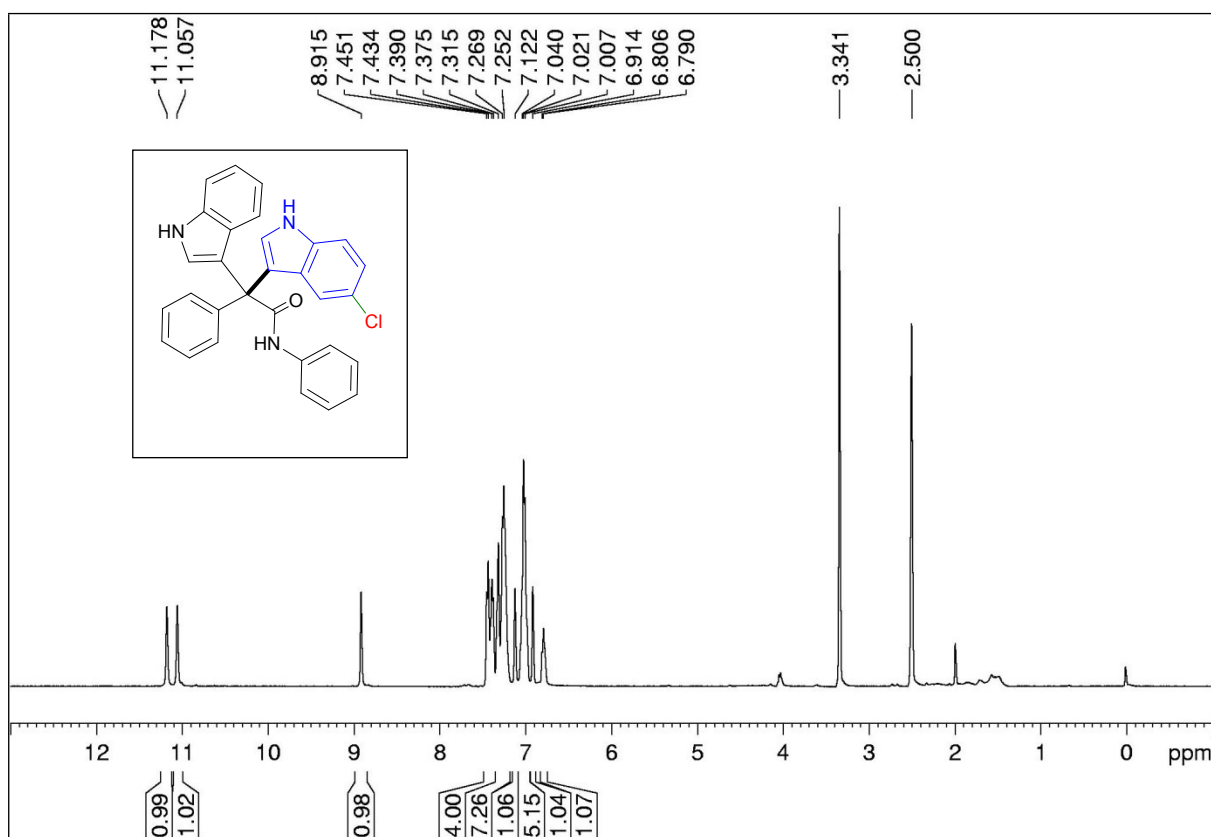
100 MHz ¹³C-NMR spectra of **5b** in DMSO-d₆



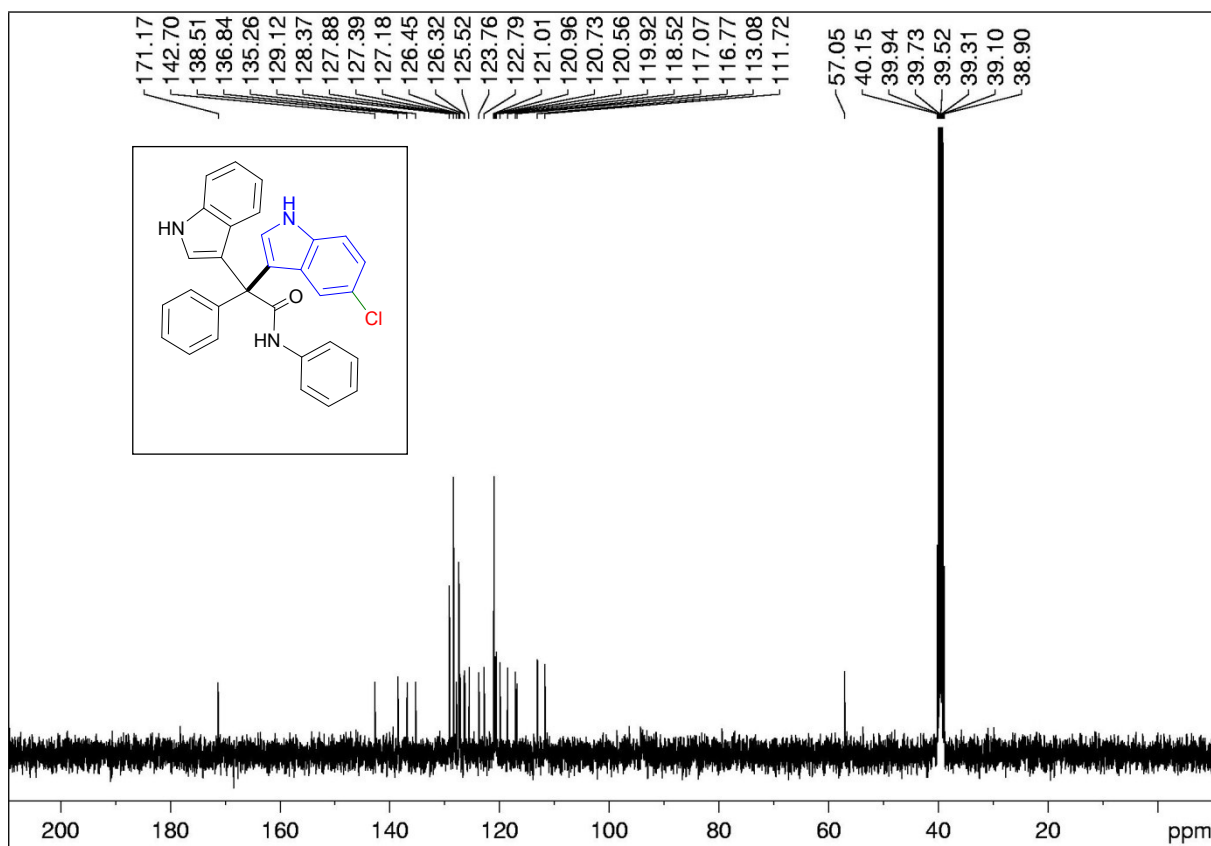
400 MHz ¹H-NMR spectra of **5c** in DMSO-d₆



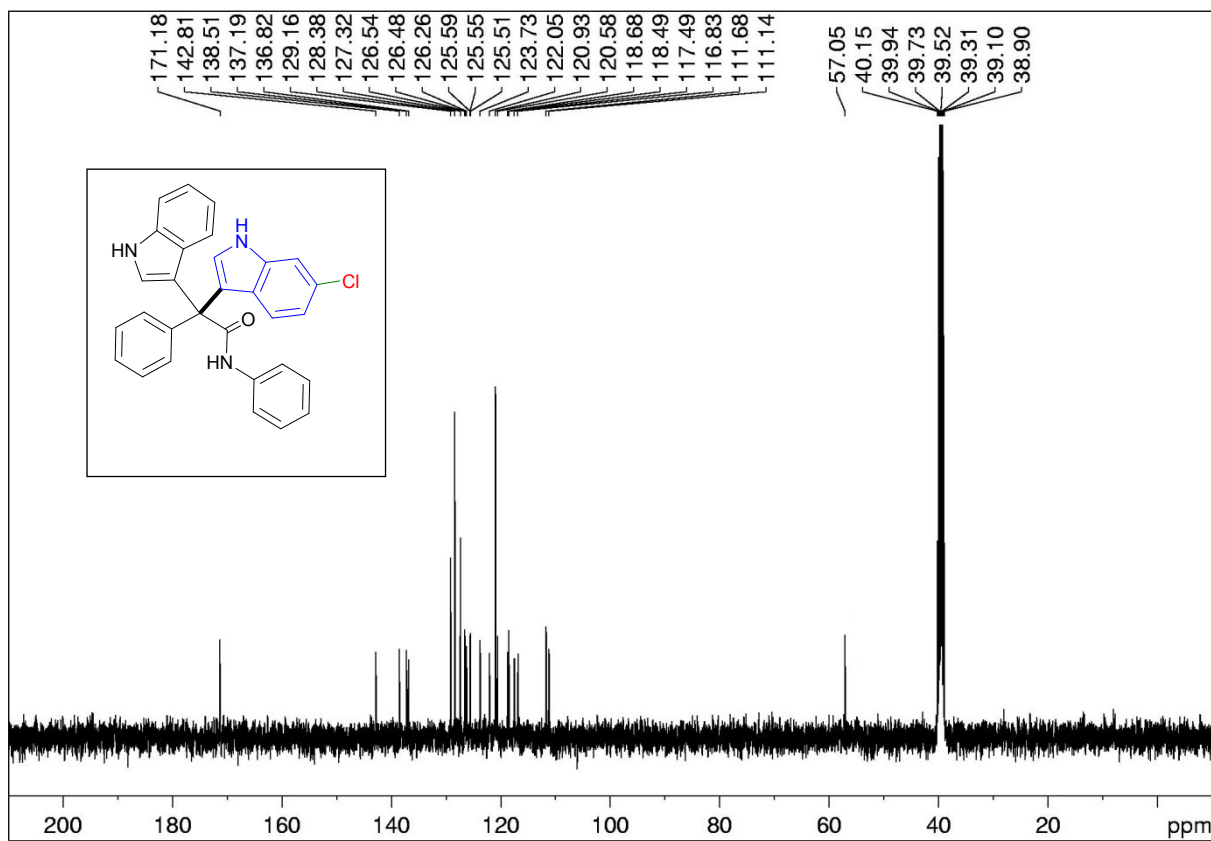
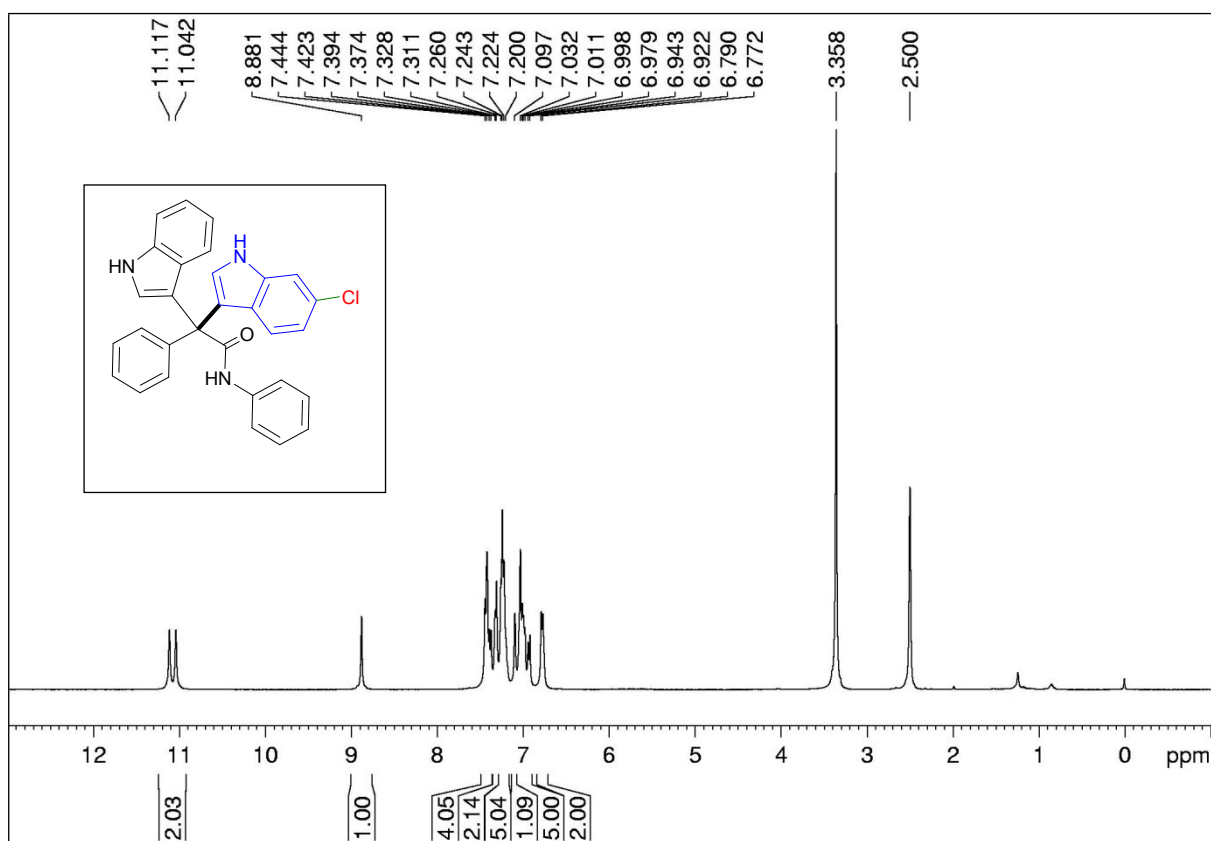
100 MHz ¹³C-NMR spectra of **5c** in DMSO-d₆

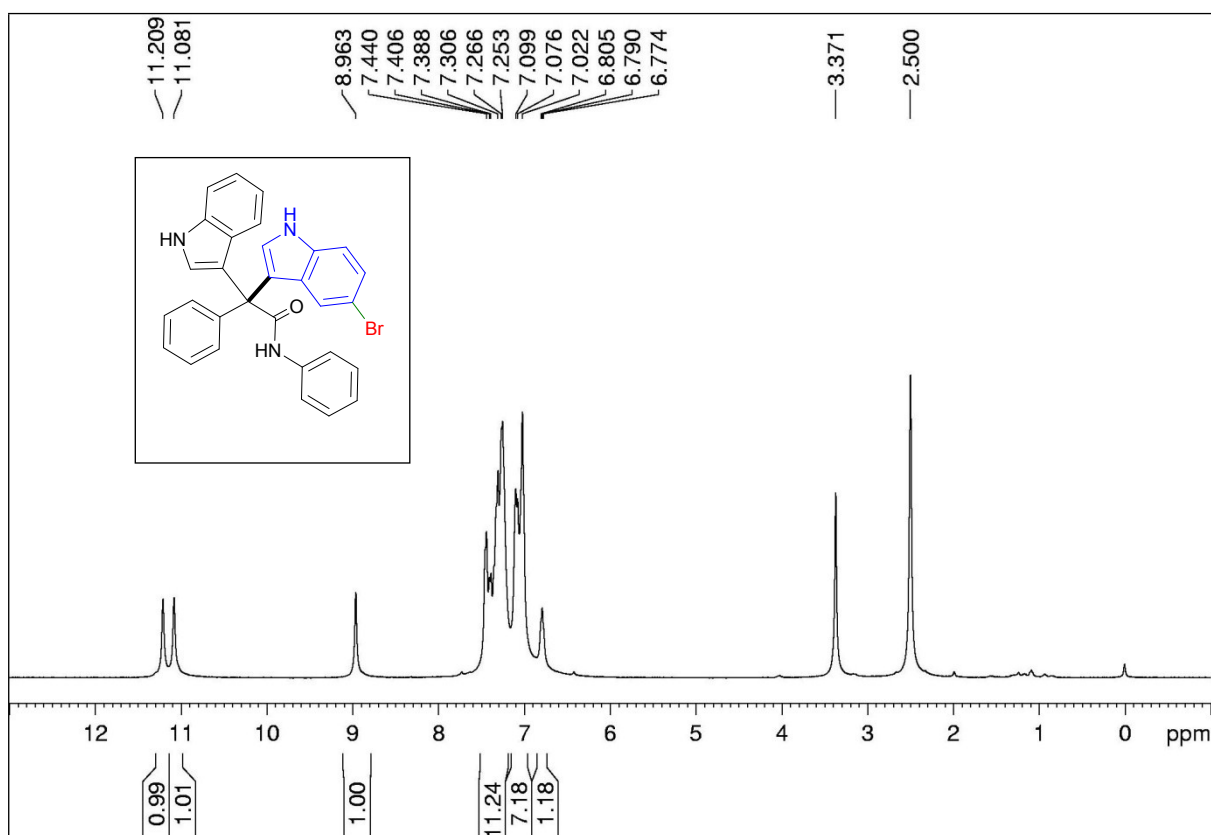


400 MHz ^1H -NMR spectra of **5d** in DMSO-d_6

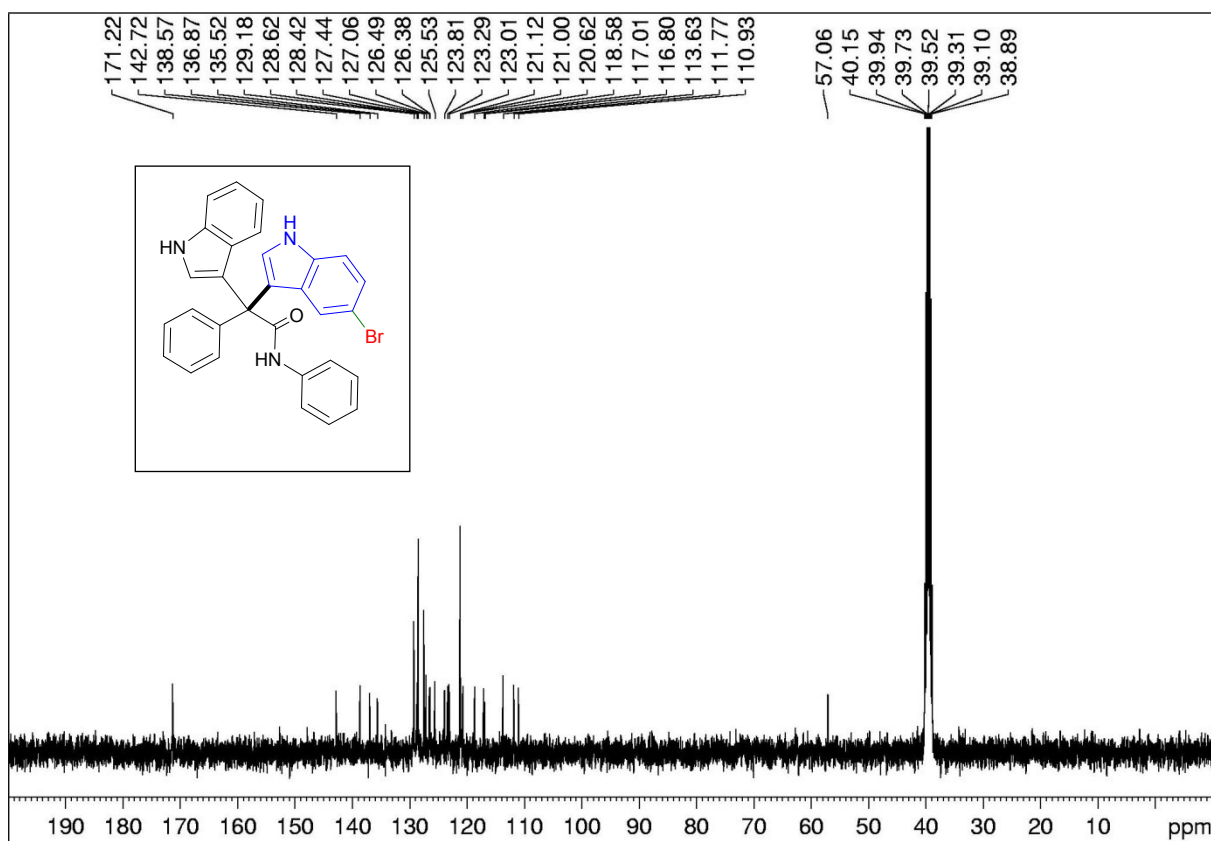


100 MHz ^{13}C -NMR spectra of **5d** in DMSO-d_6

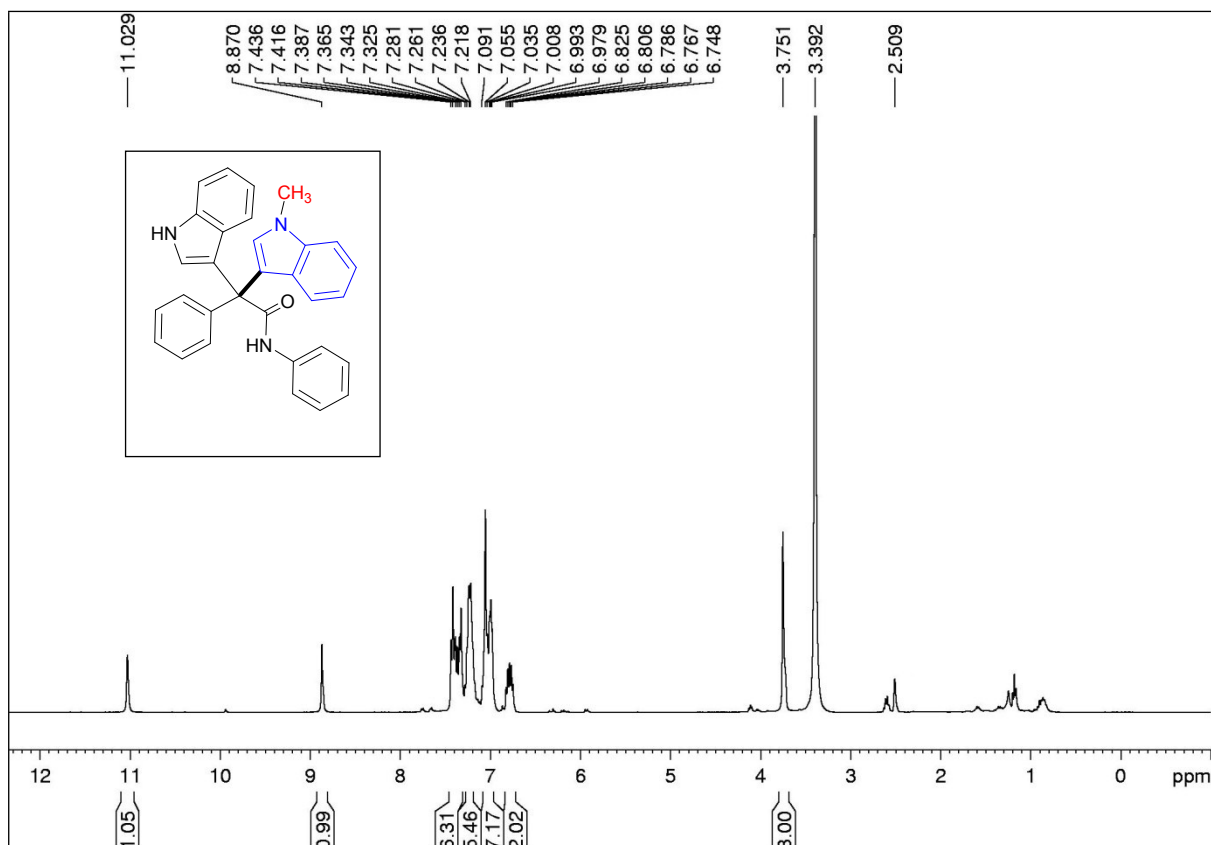




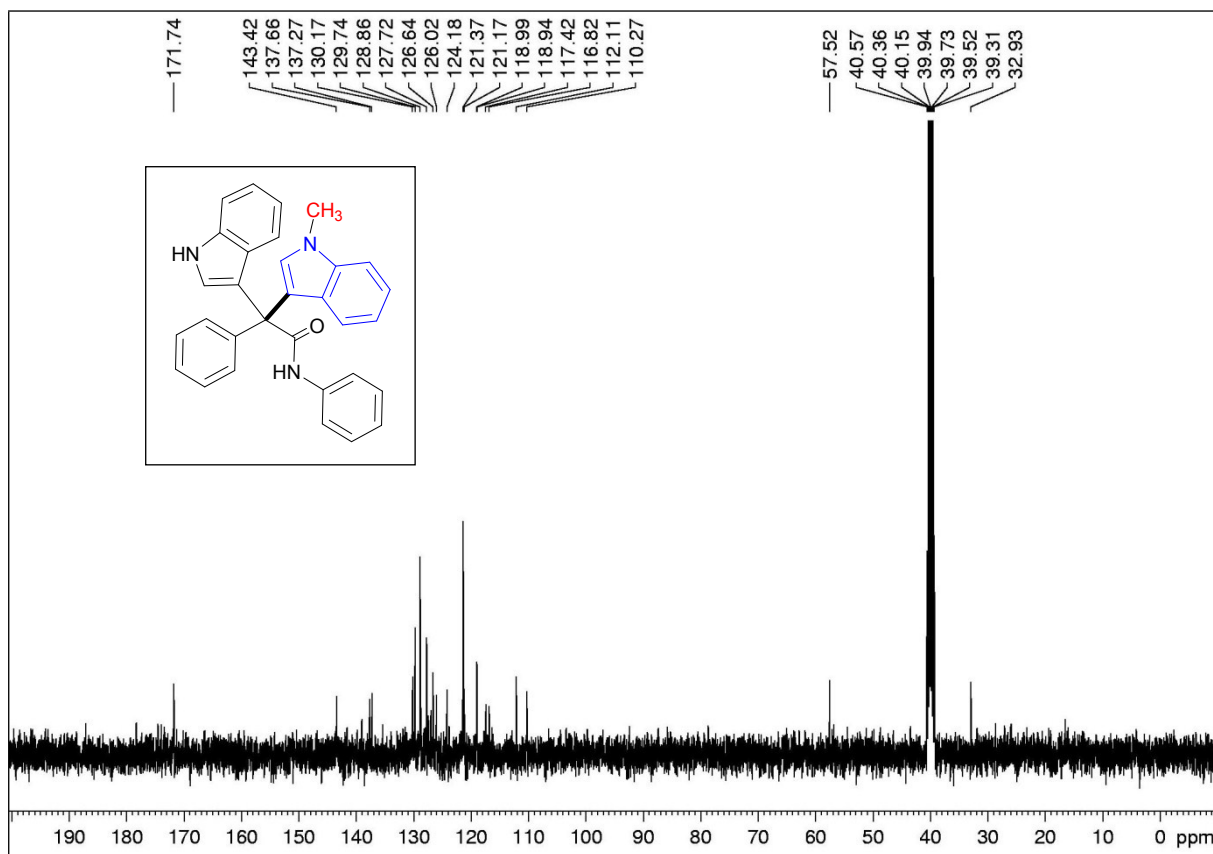
400 MHz ¹H-NMR spectra of **5f** in DMSO-d₆



100 MHz ¹³C-NMR spectra of **5f** in DMSO-d₆



400 MHz ¹H-NMR spectra of **5j** in DMSO-d₆



100 MHz ¹³C-NMR spectra of **5j** in DMSO-d₆