

Infrared irradiation assisted both the synthesis of (Z)-(aminomethyl)(aryl)phenylhydrazones via the Mannich coupling reaction and its application to the palladium-catalyzed Heck reaction

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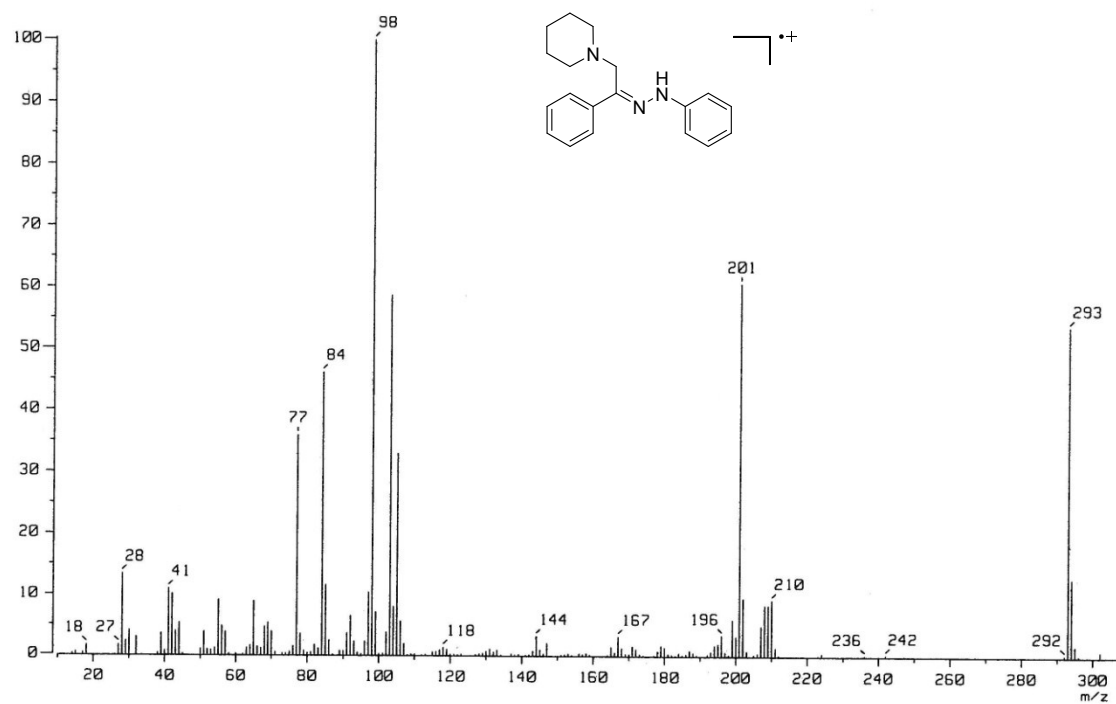
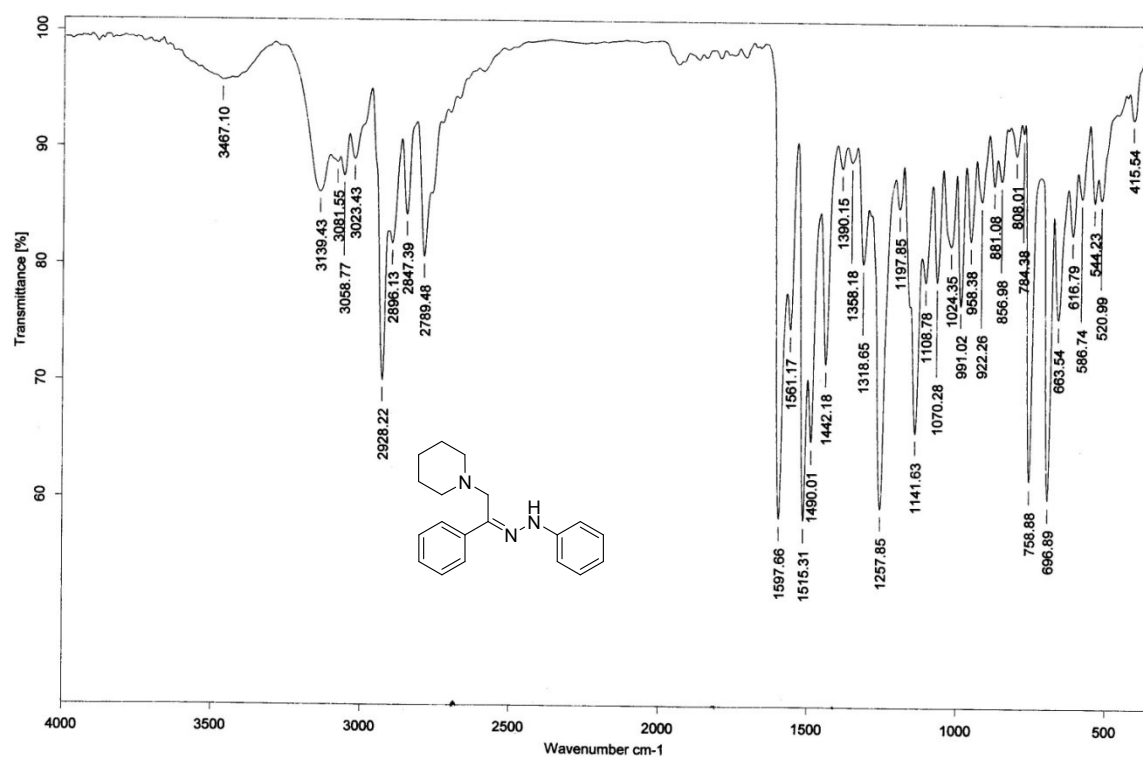
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¹H, ¹³C NMR data of compounds **1a-h**

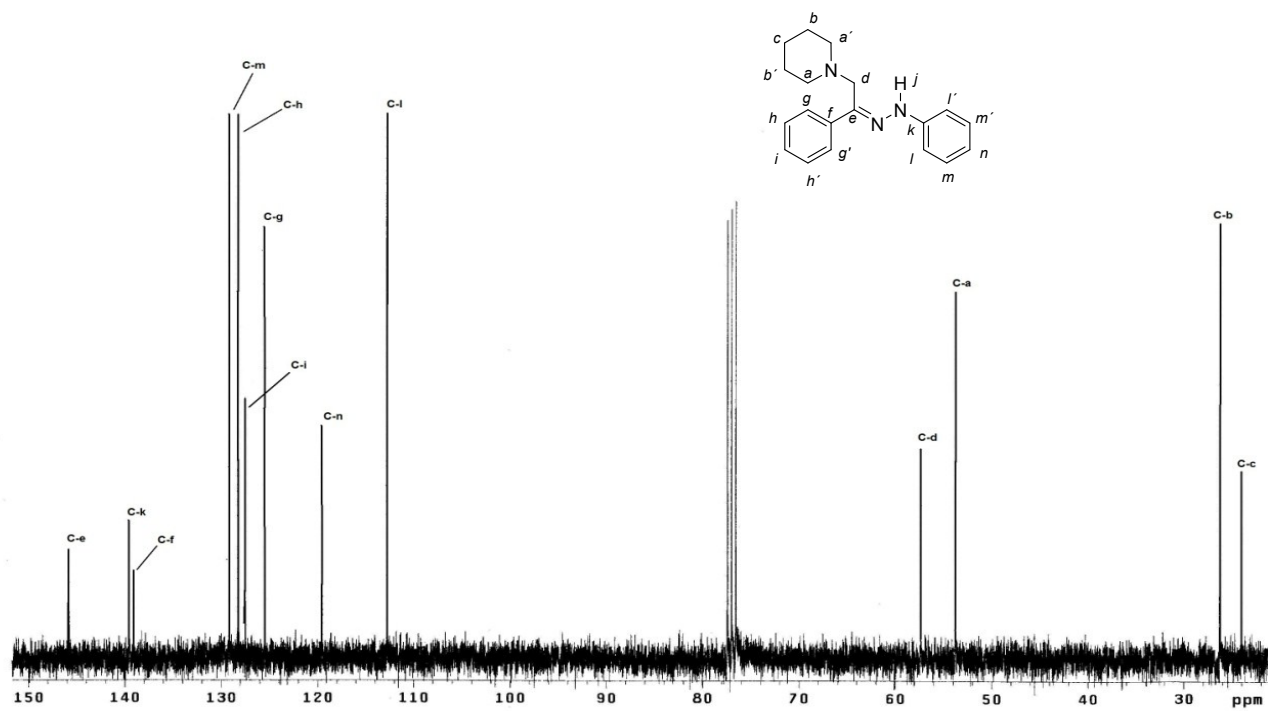
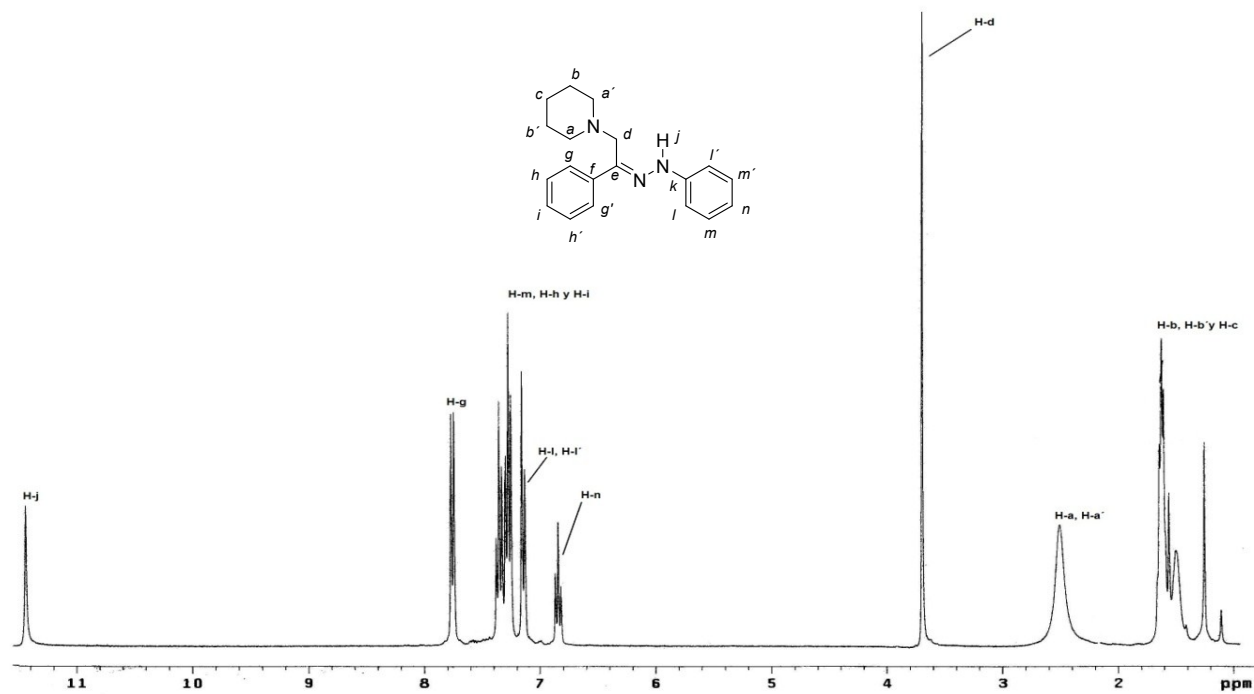
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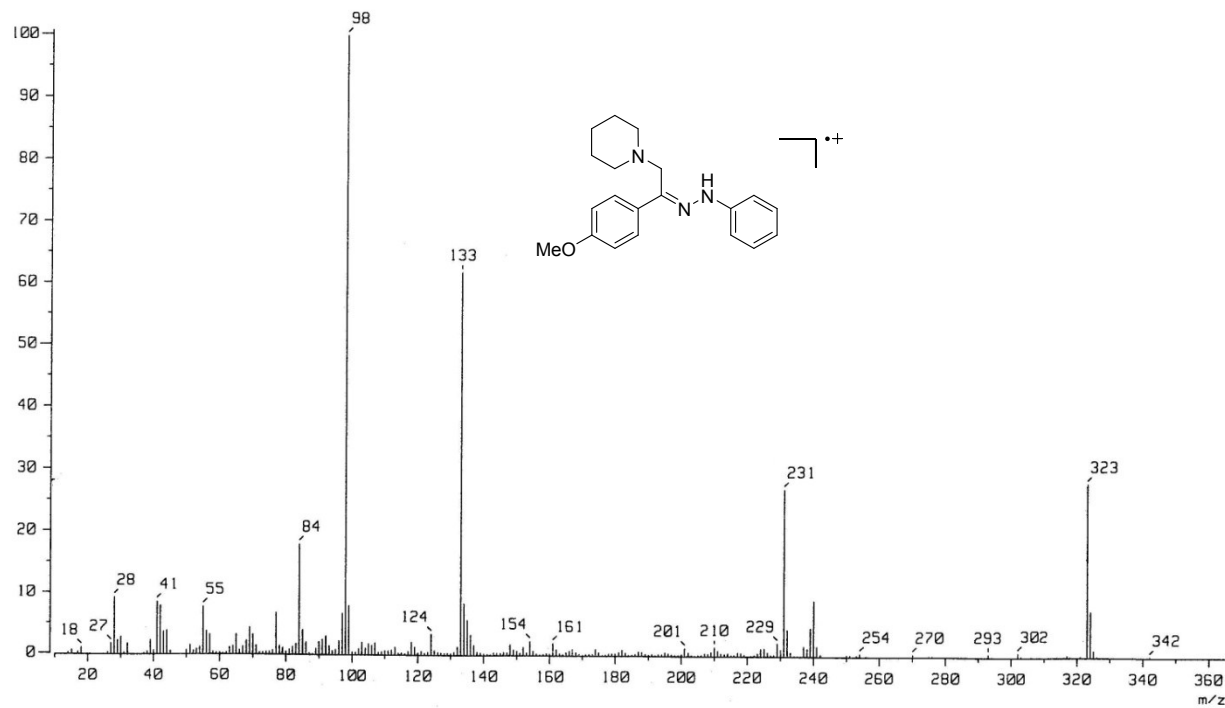
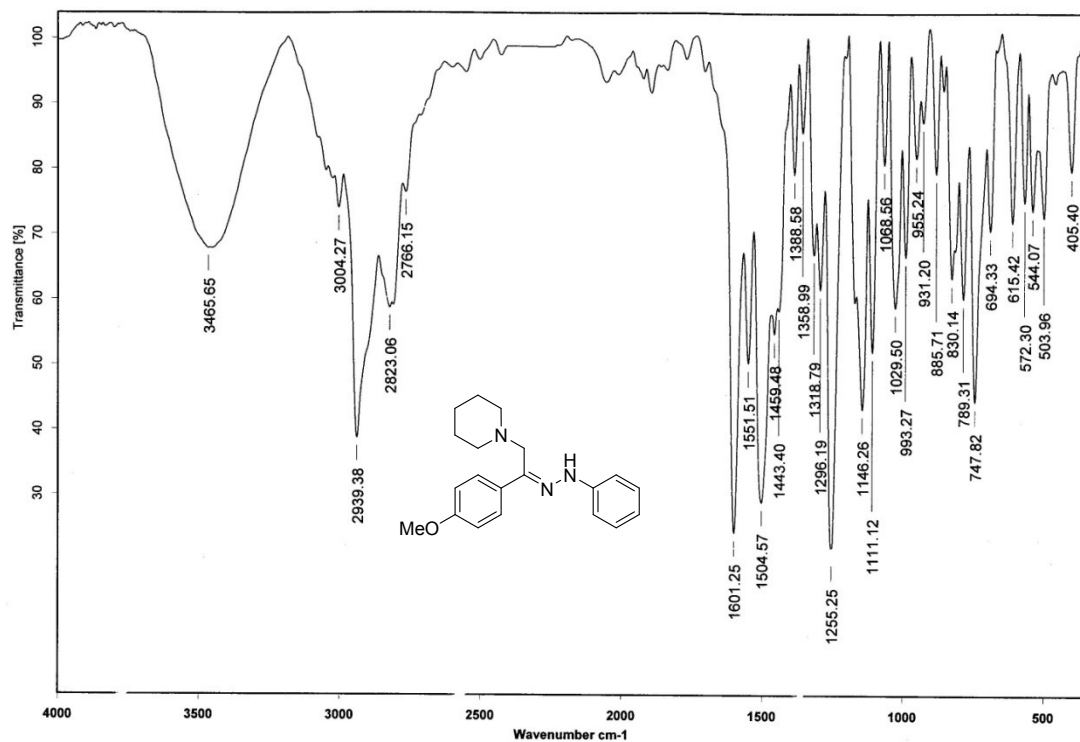
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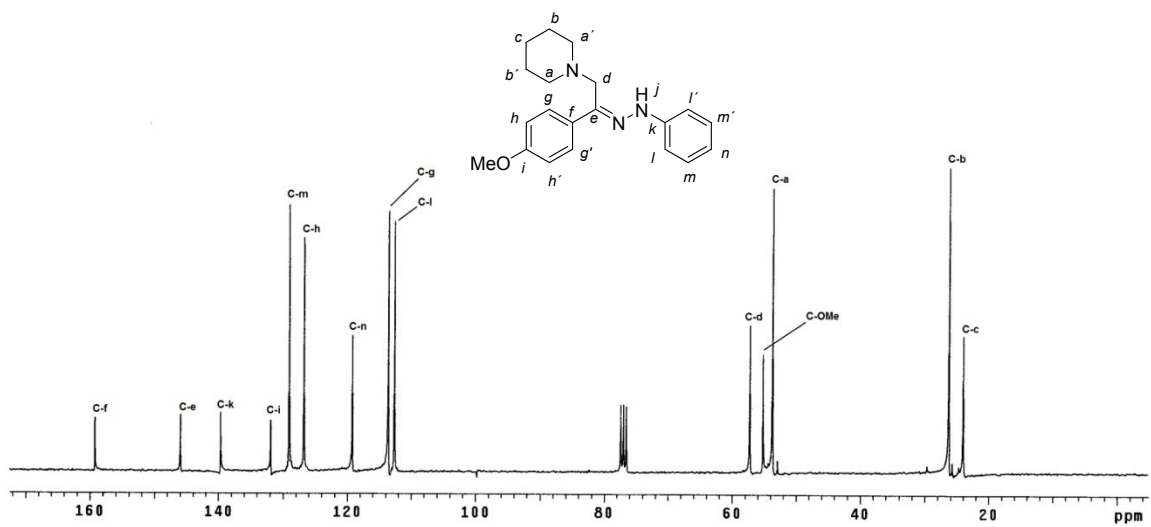
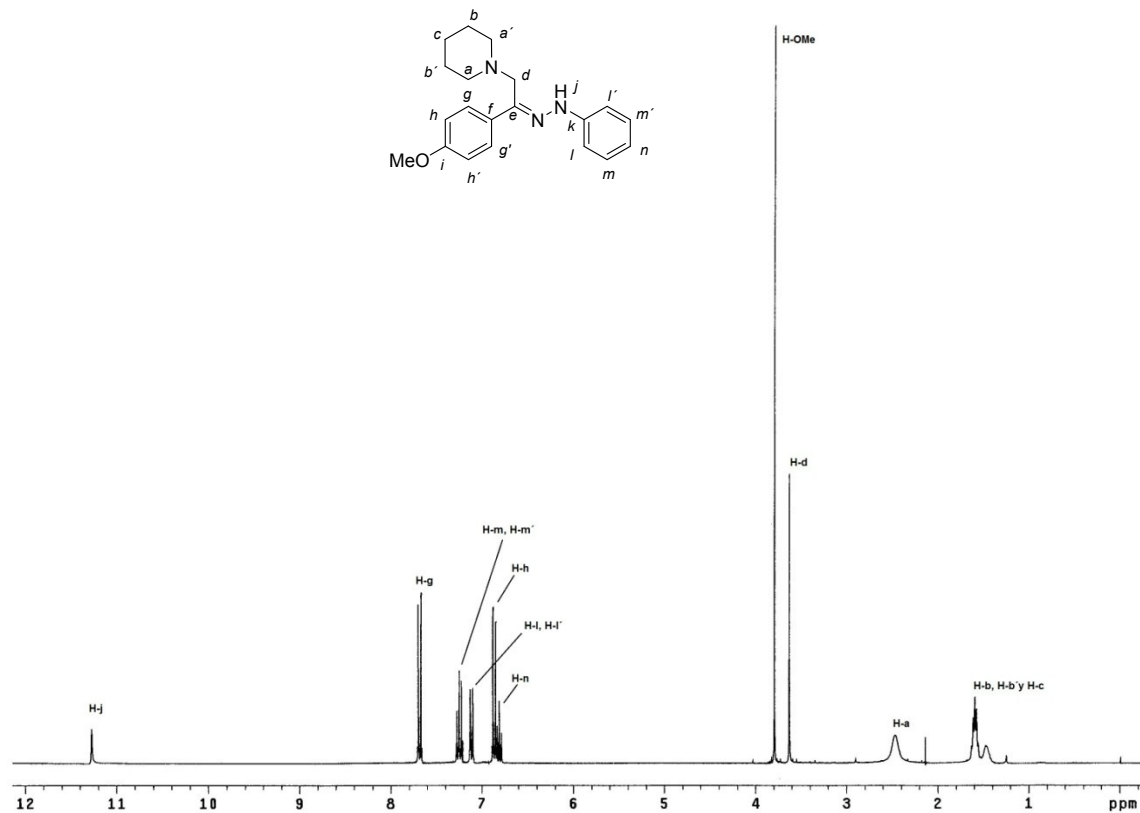
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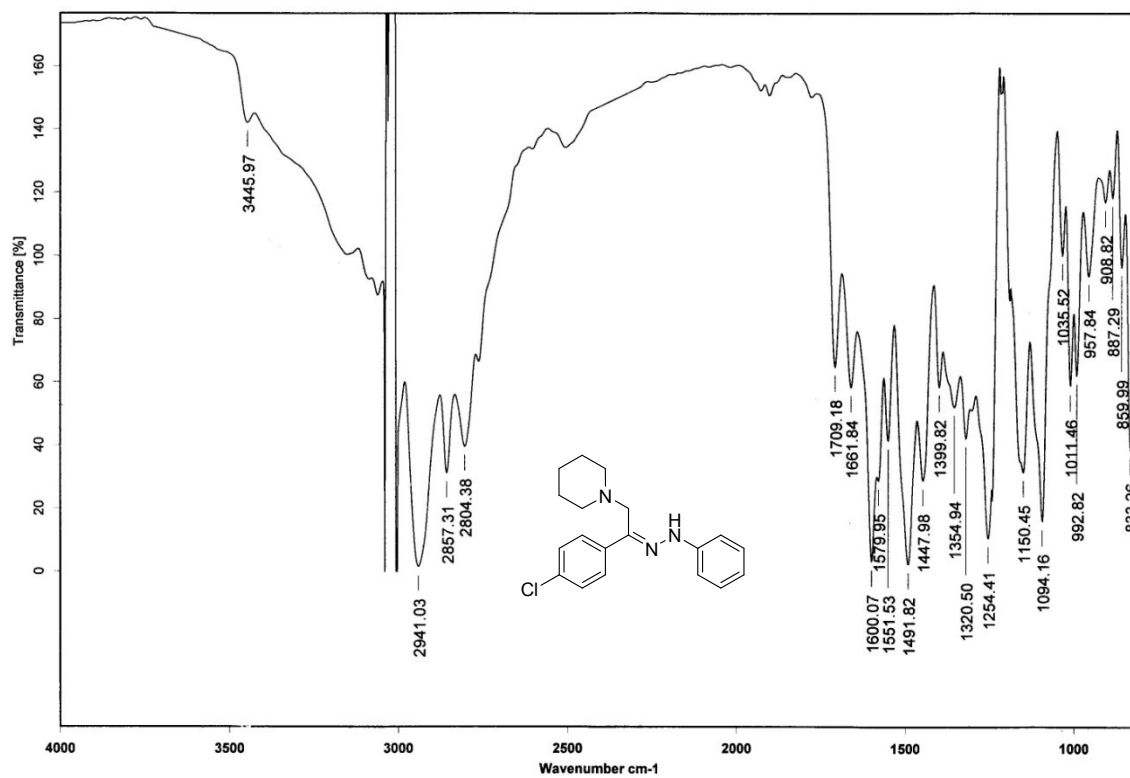
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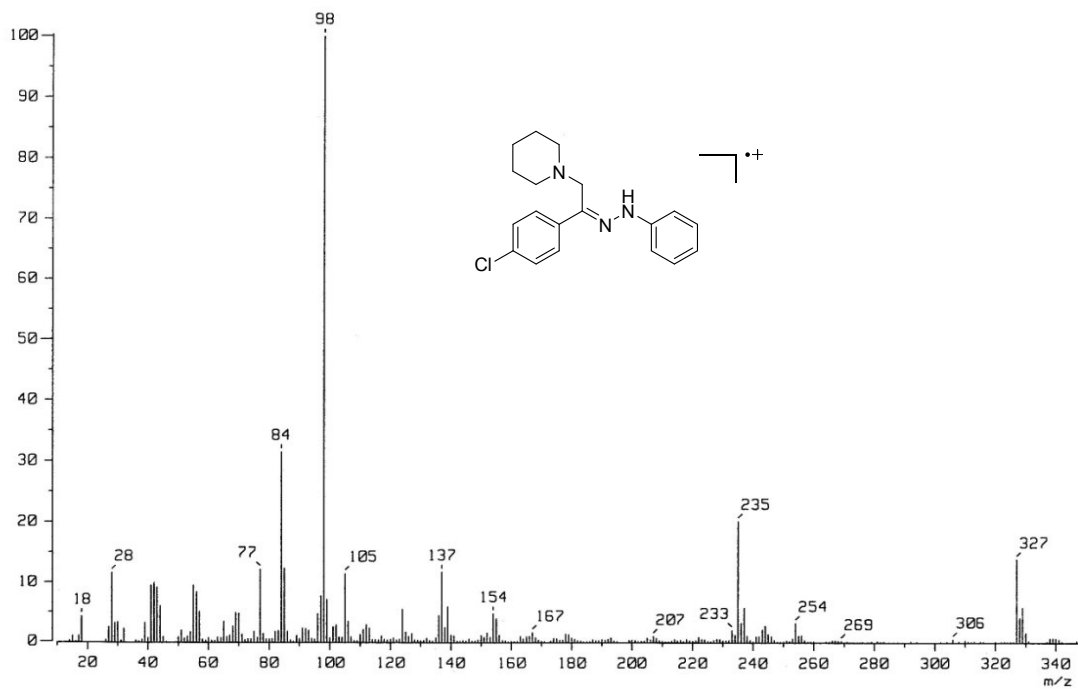
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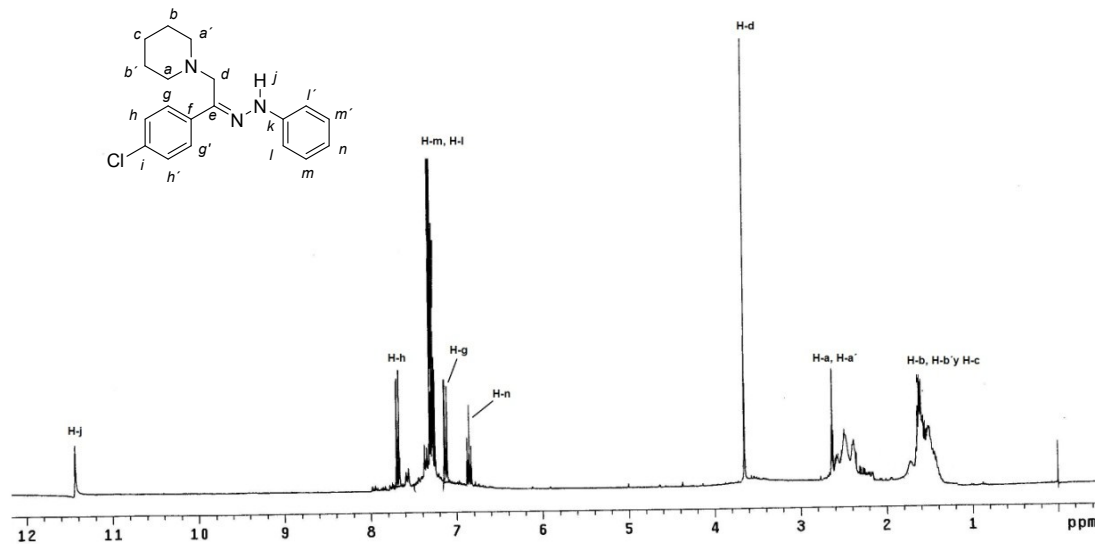
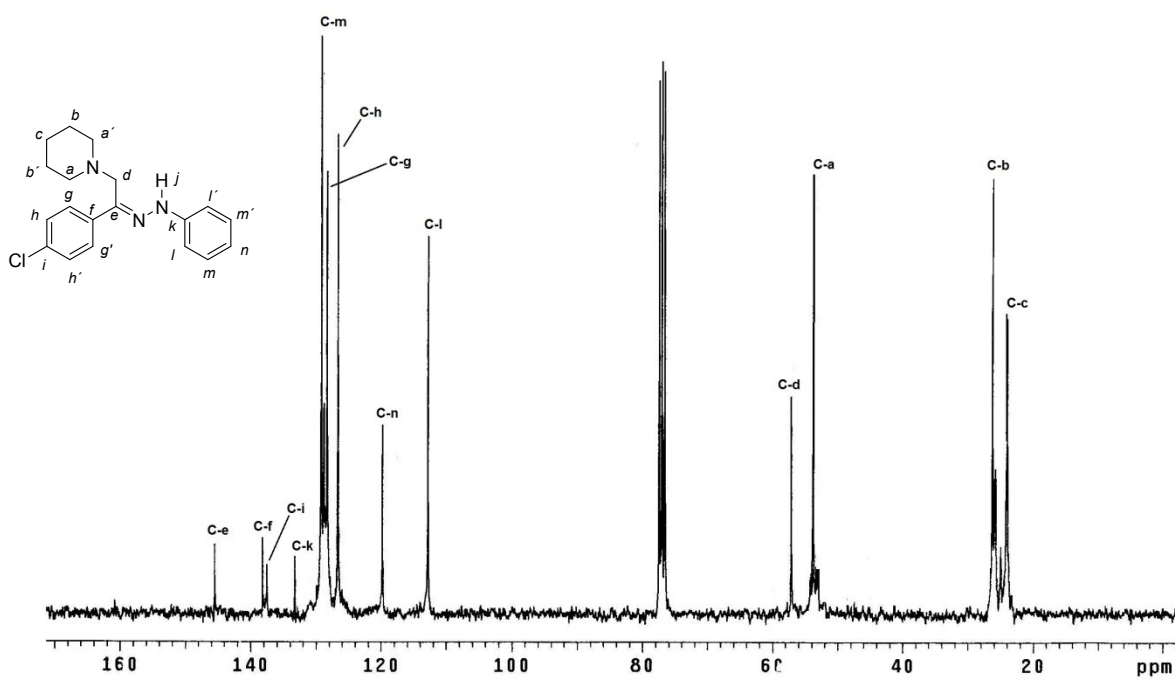
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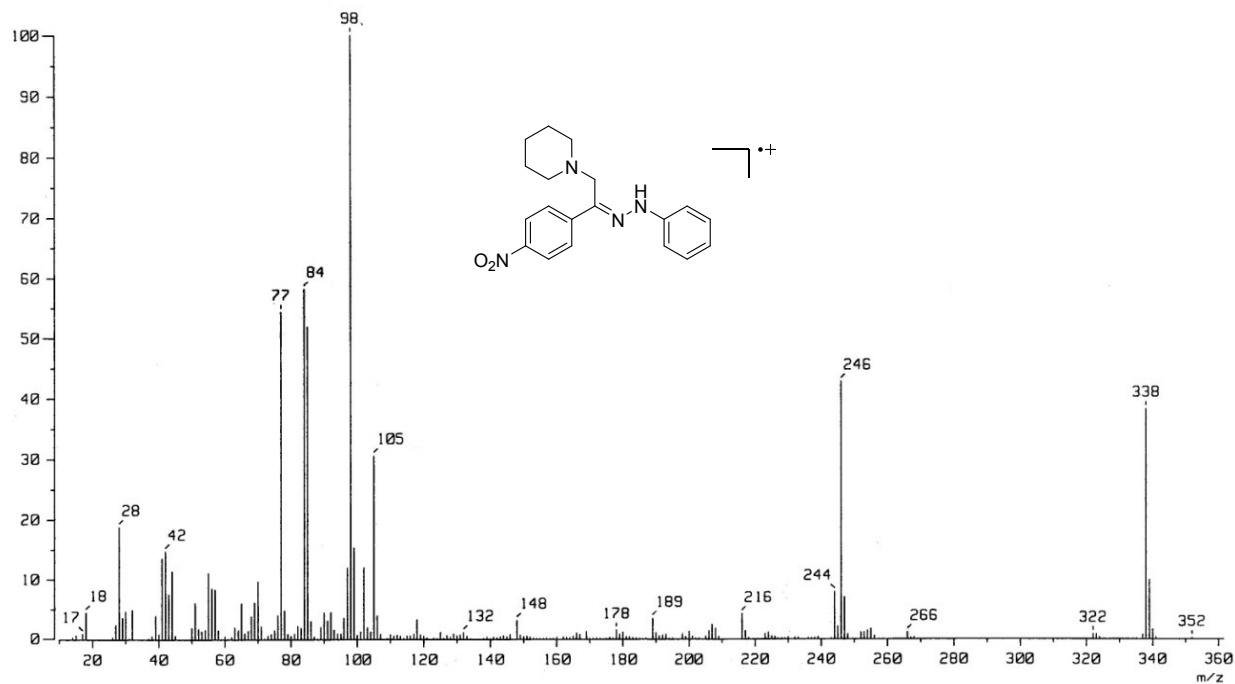
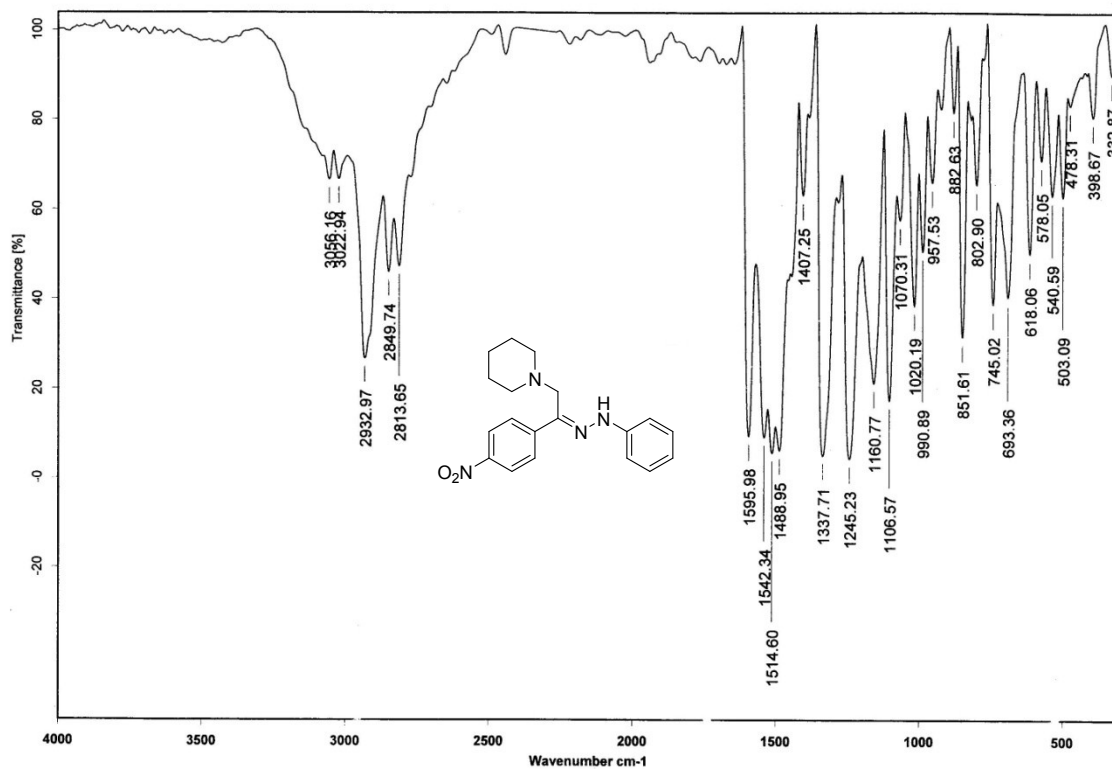
FT-IR (KBr) 1c

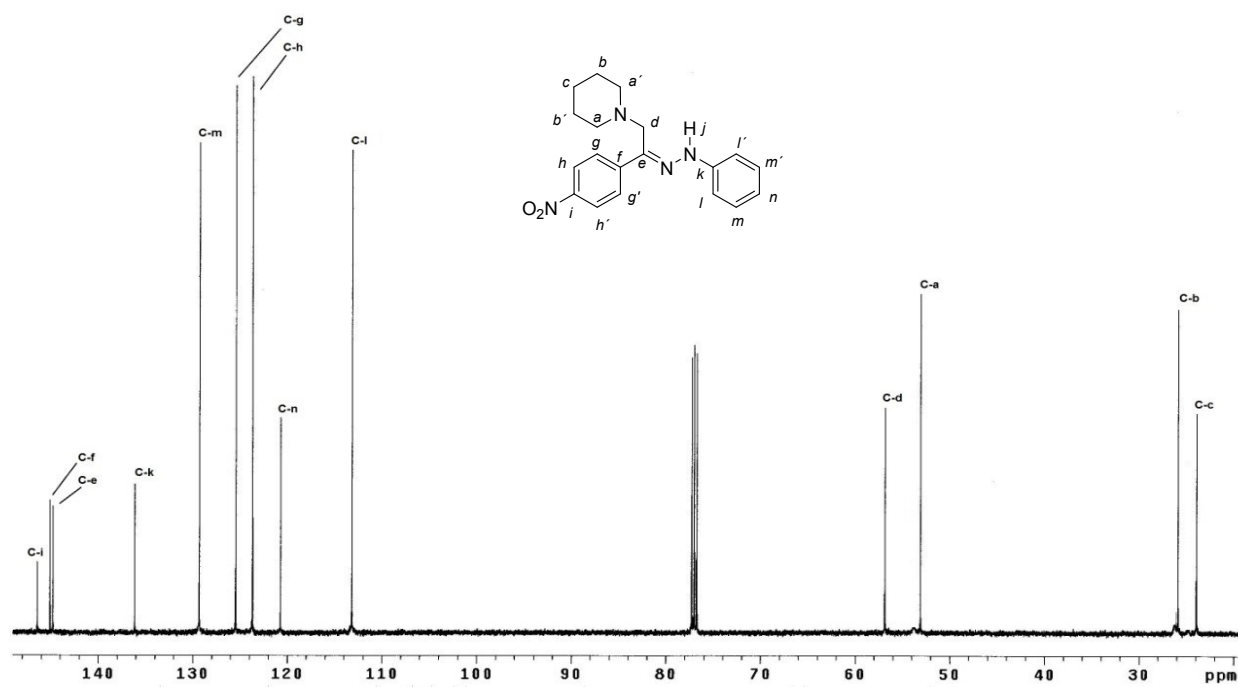
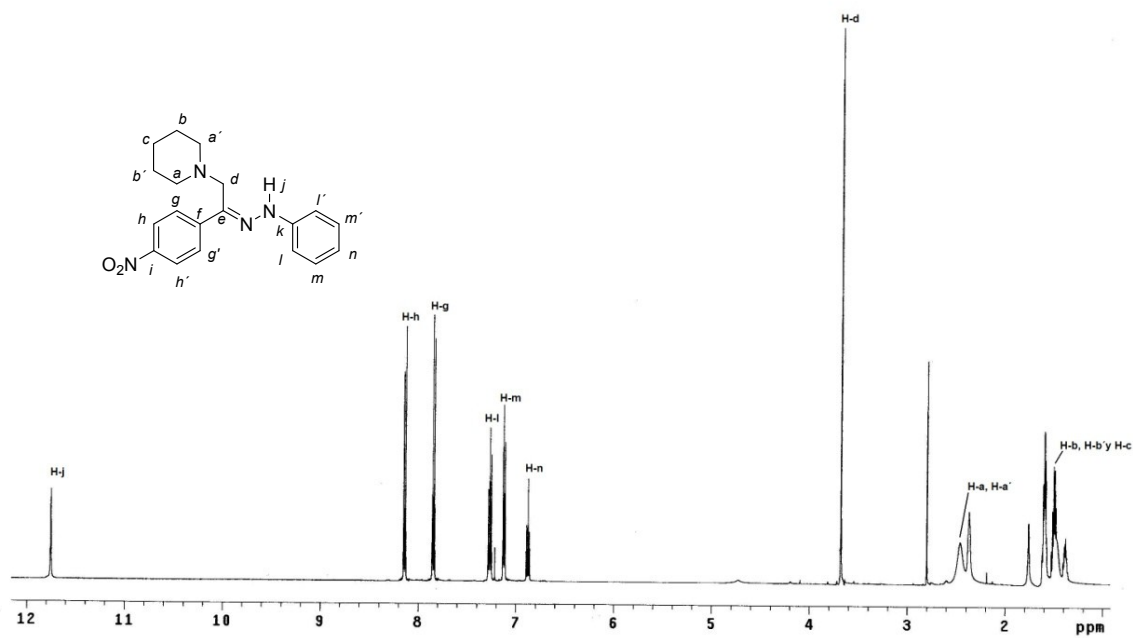


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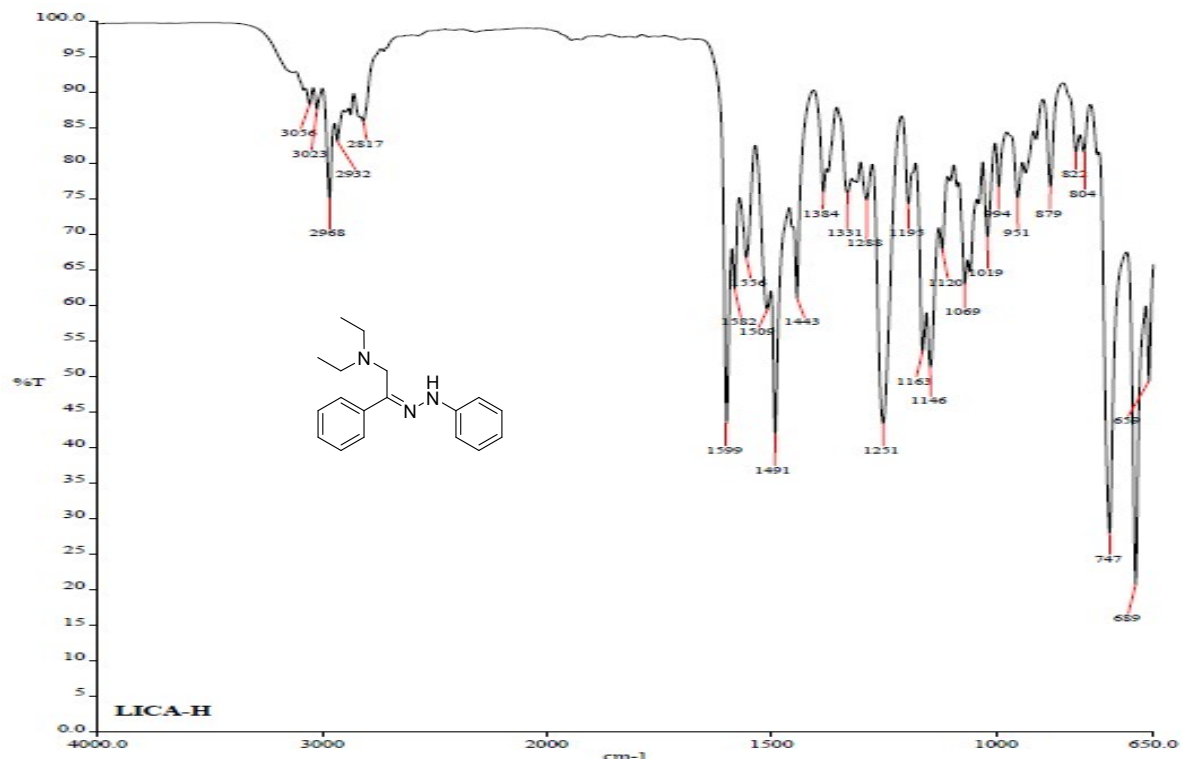
¹H NMR (CDCl₃) **1c**¹³C NMR (CDCl₃) **1c**

S7

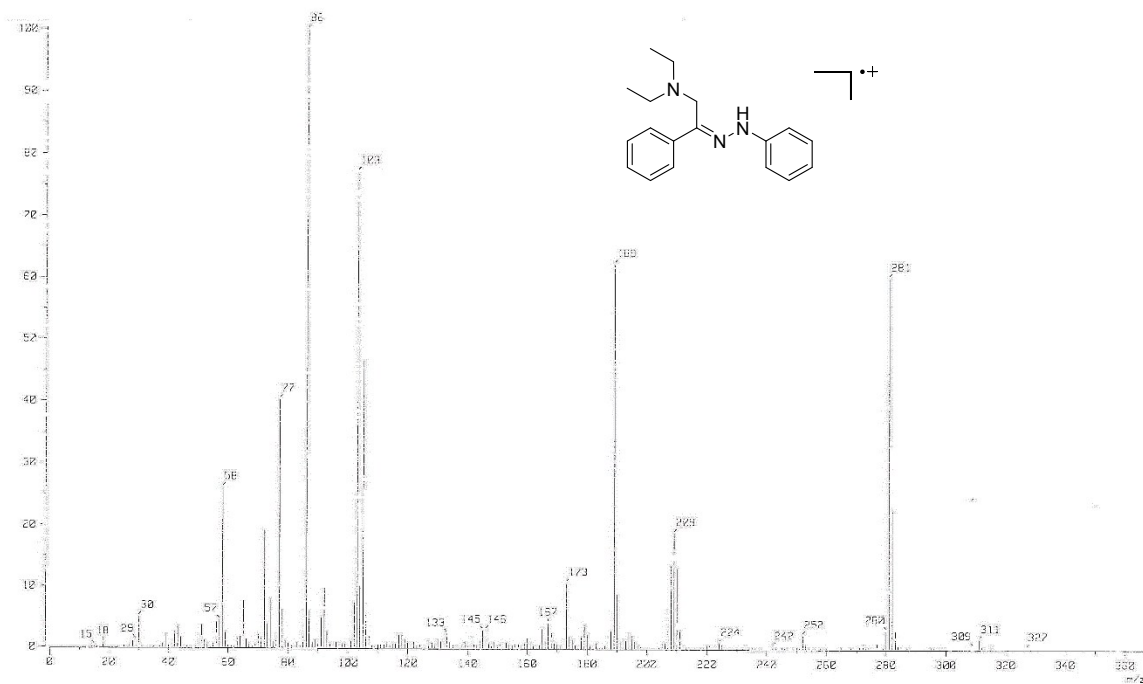




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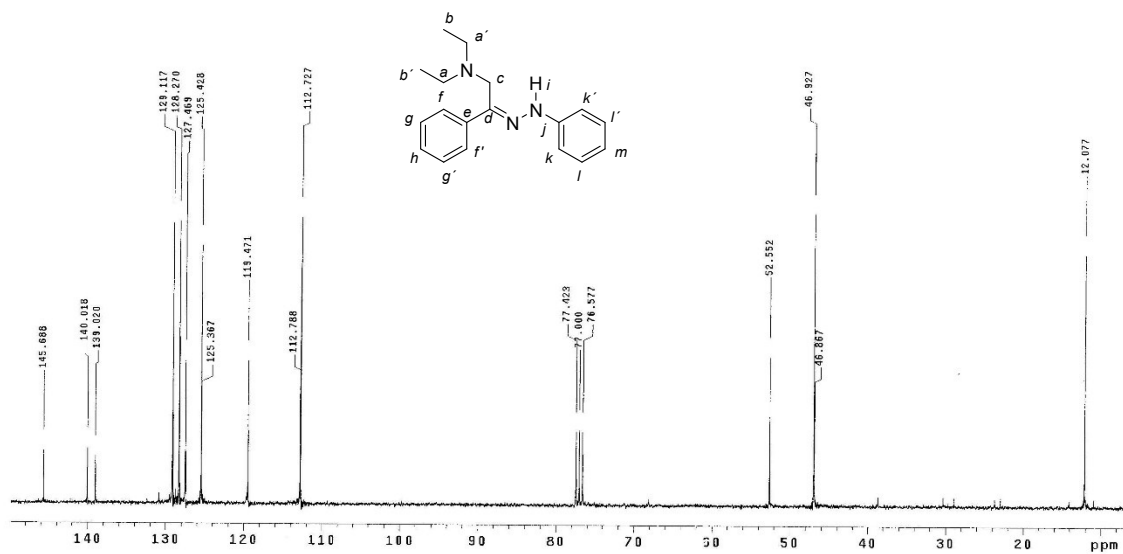
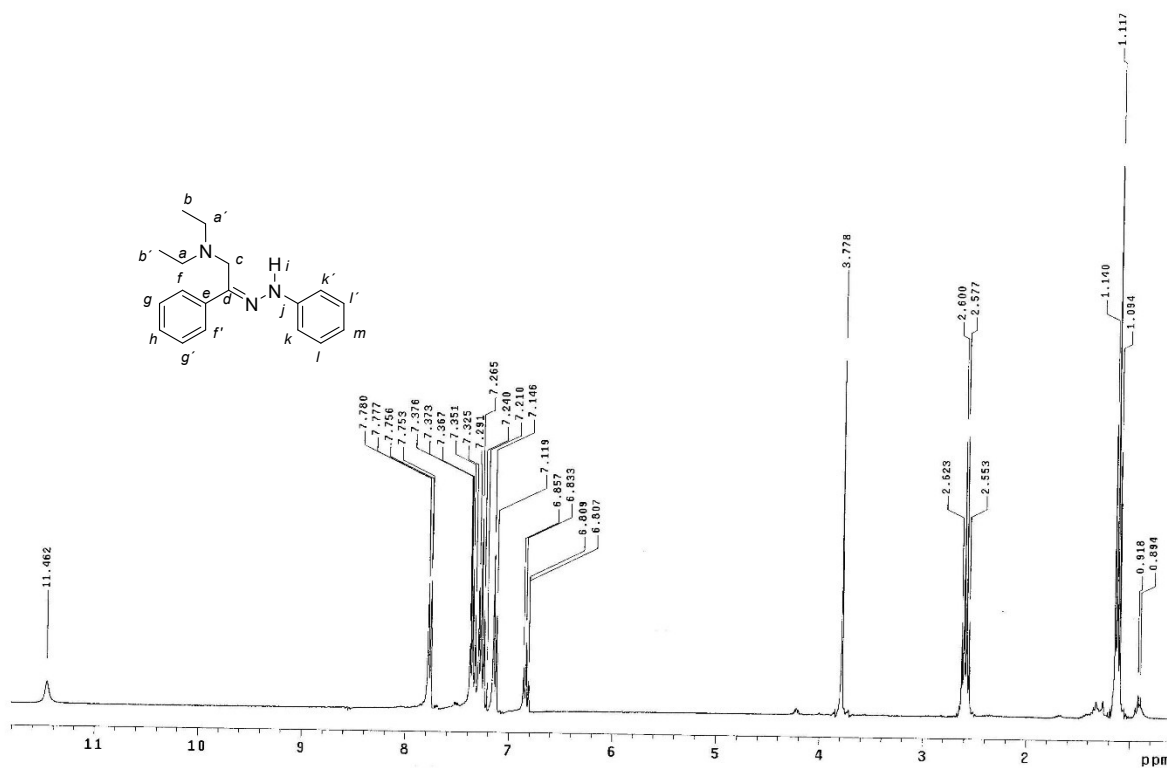


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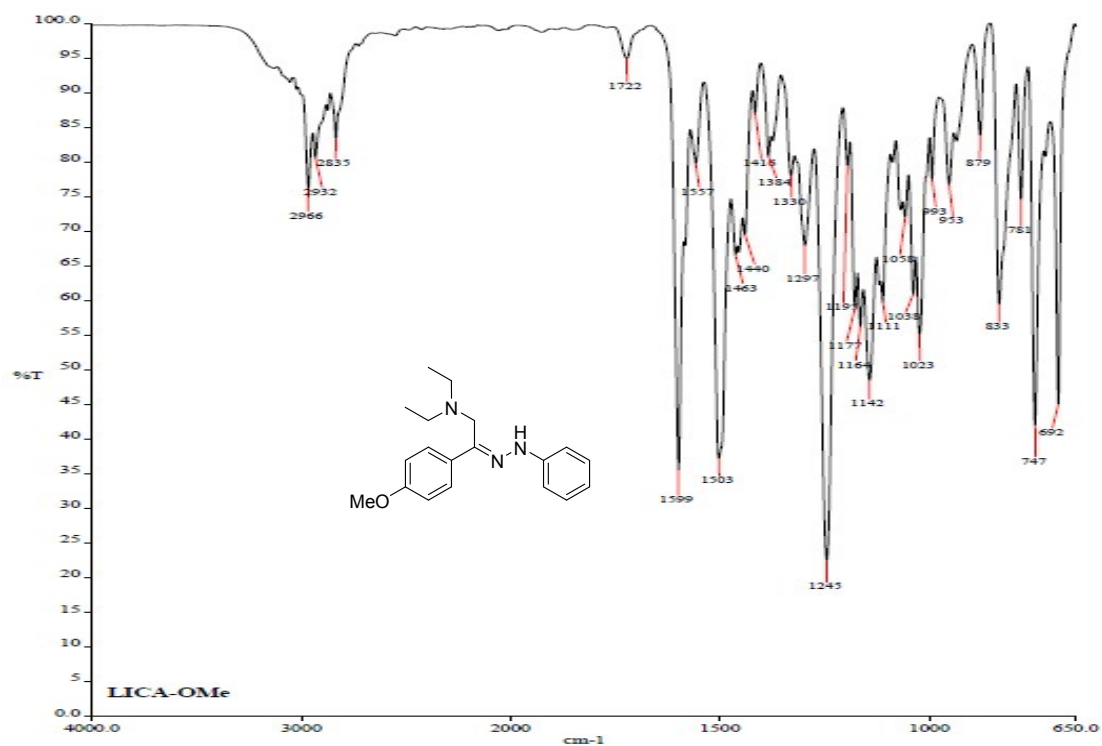


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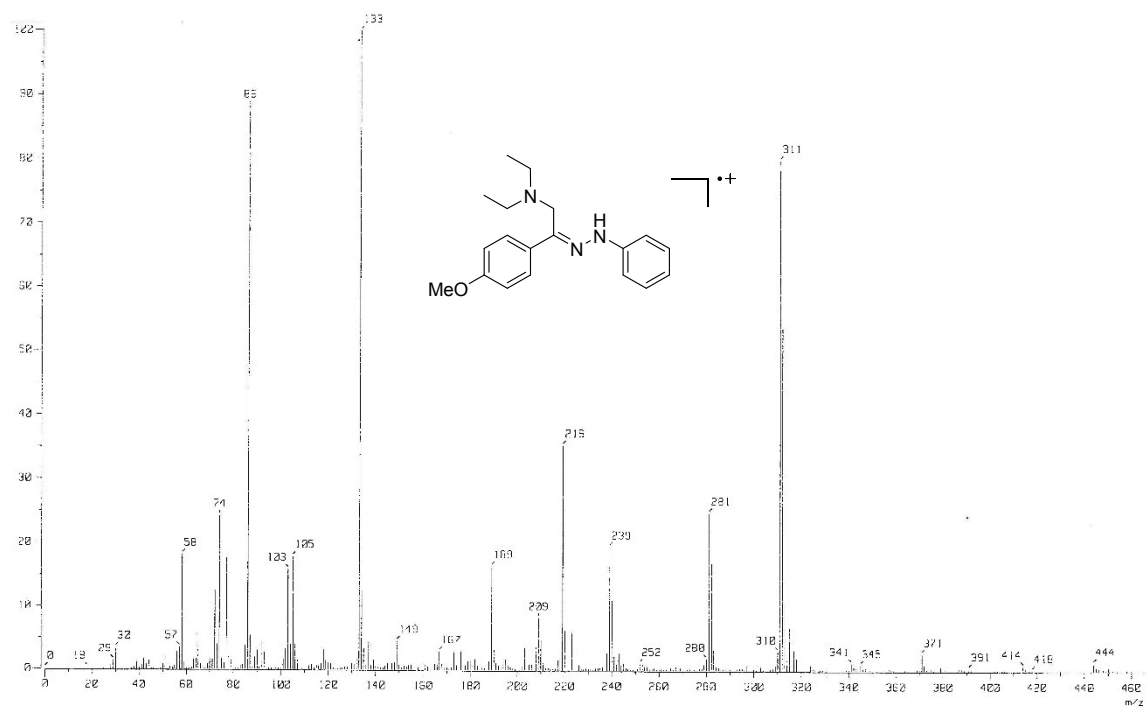
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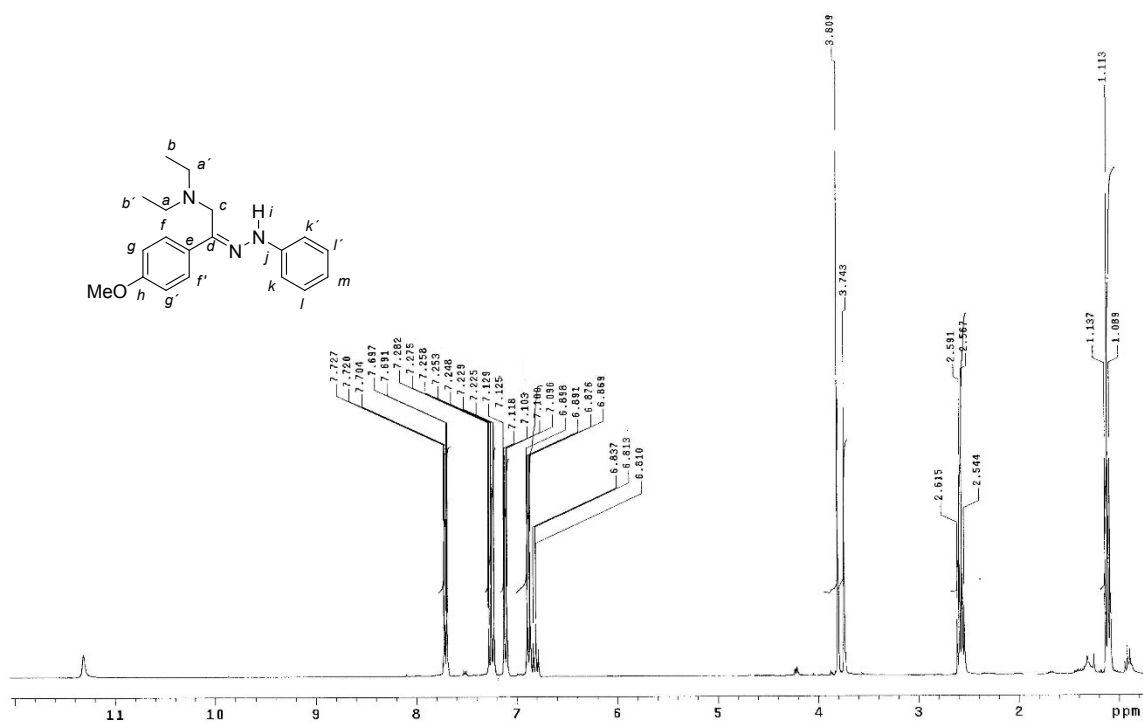


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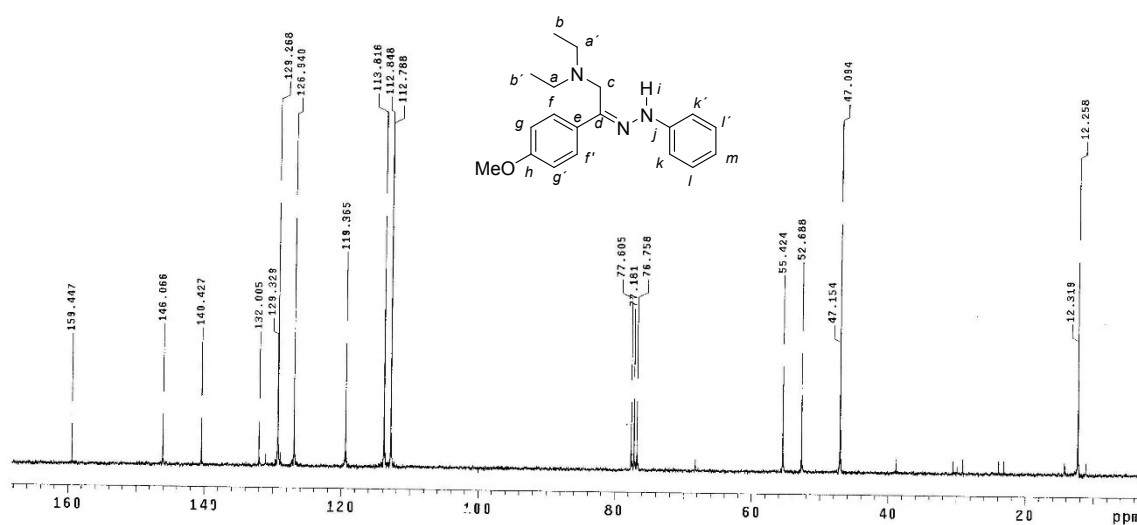


MS (EI) 1f

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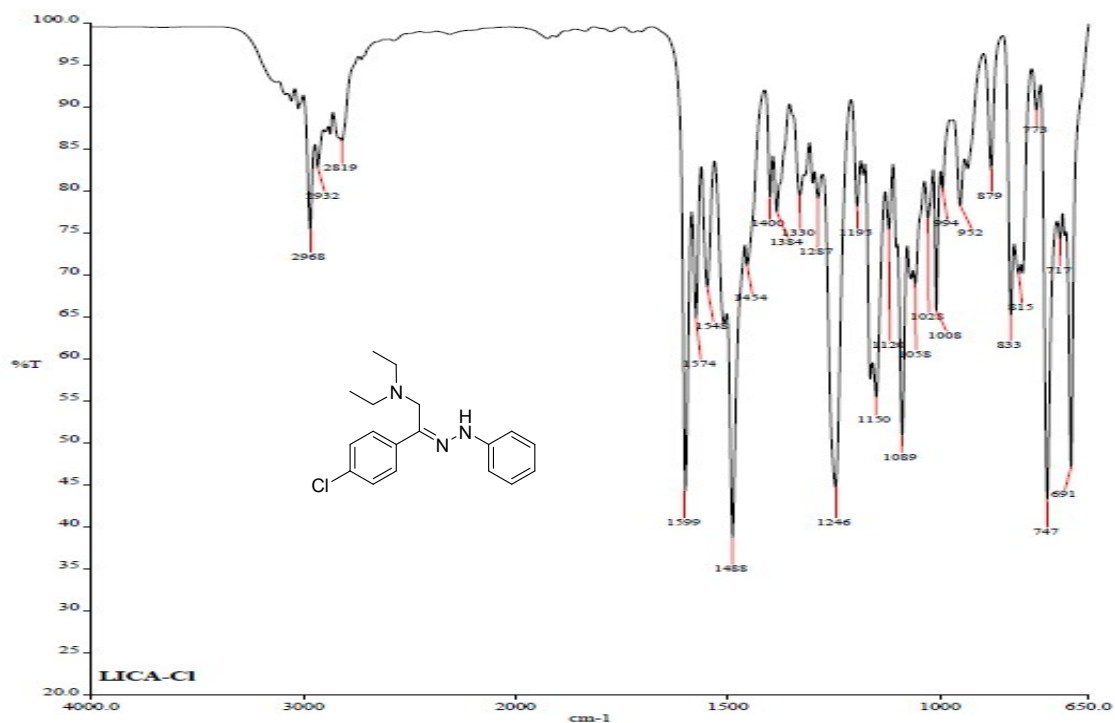


¹H NMR (CDCl₃) **1f**.

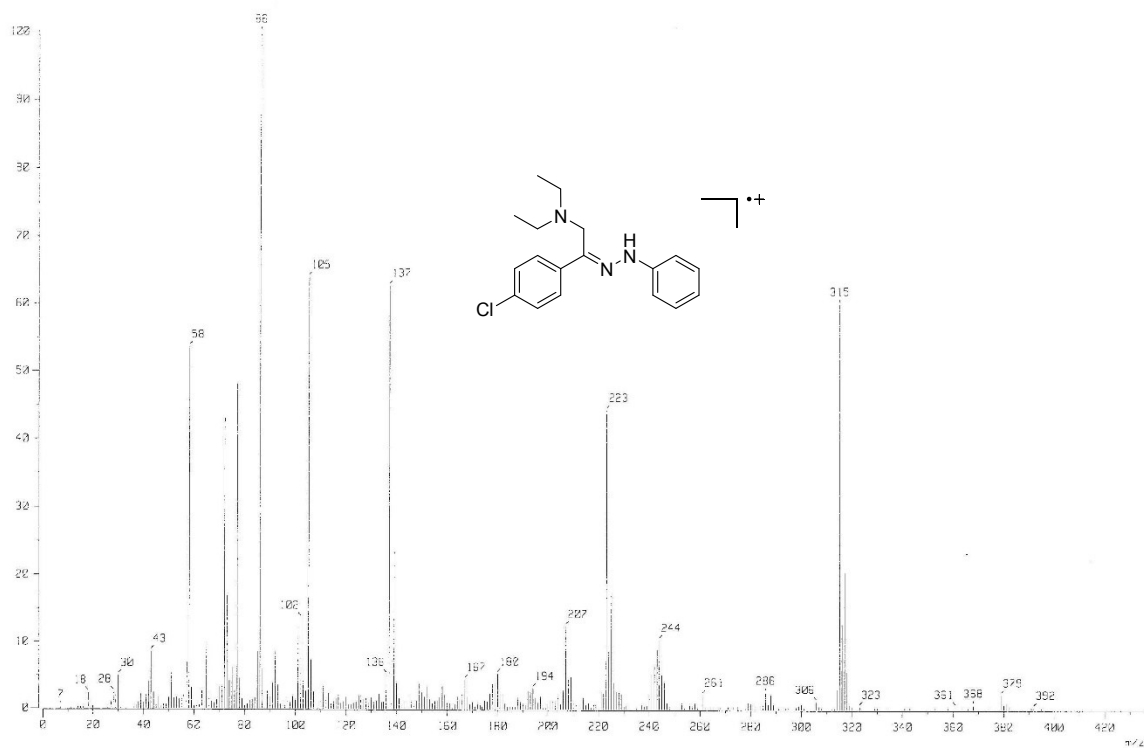


¹³C NMR (CDCl₃) **1f**.

S13

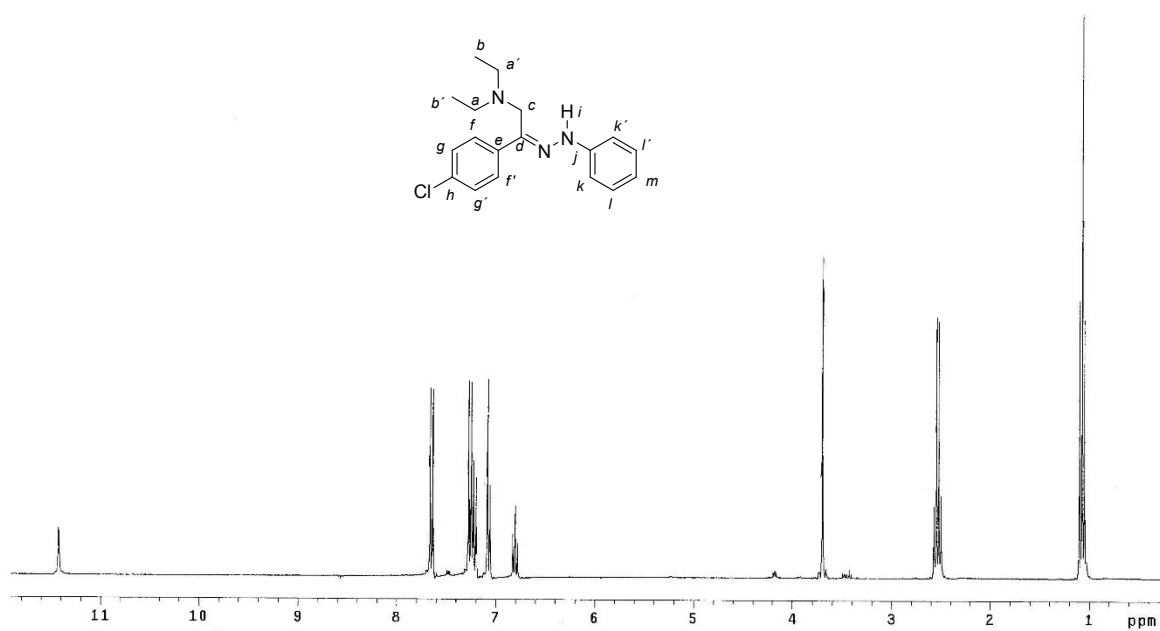


FT- IR (KBr) 1g

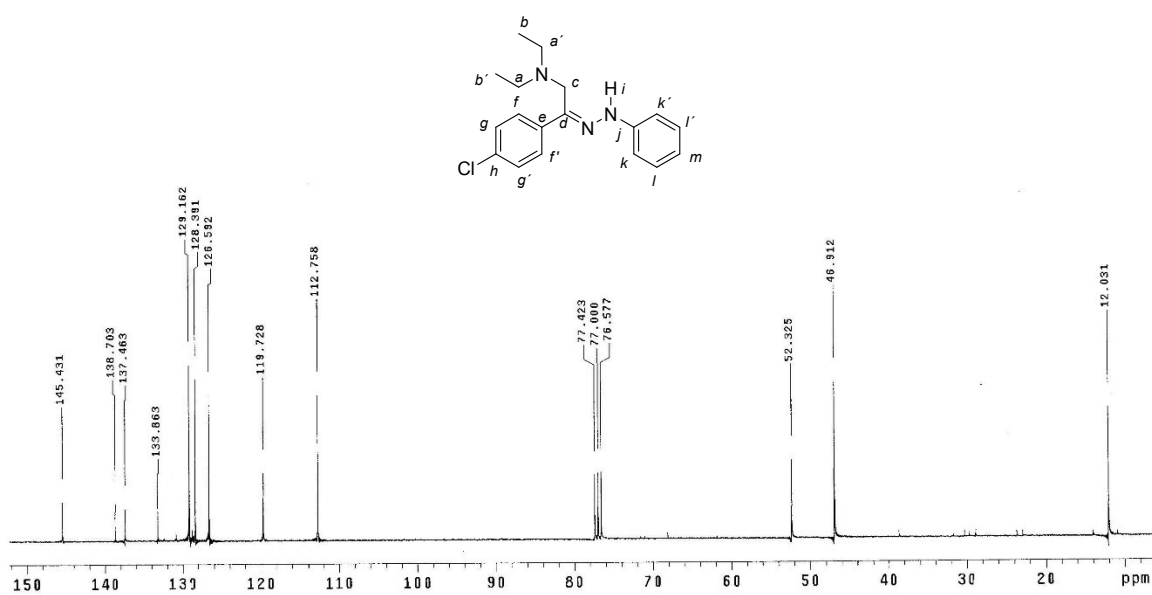


MS (EI) 1g

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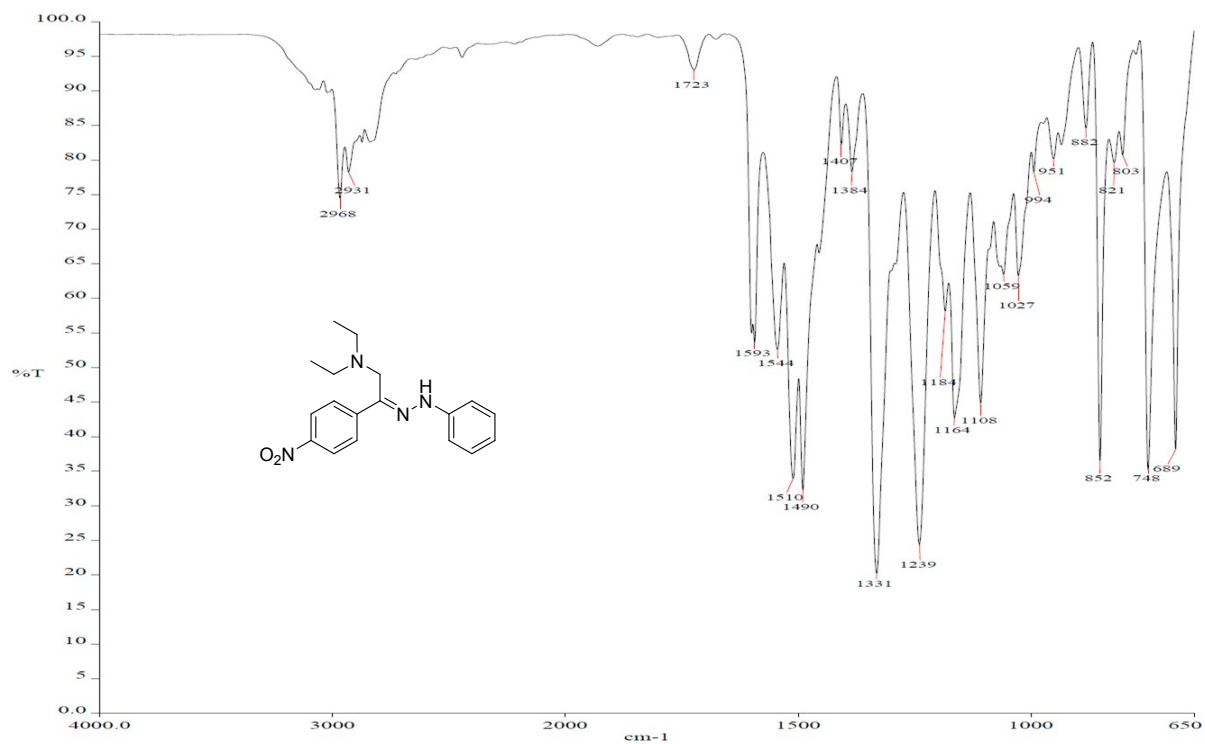


¹H NMR (CDCl₃) **1g**

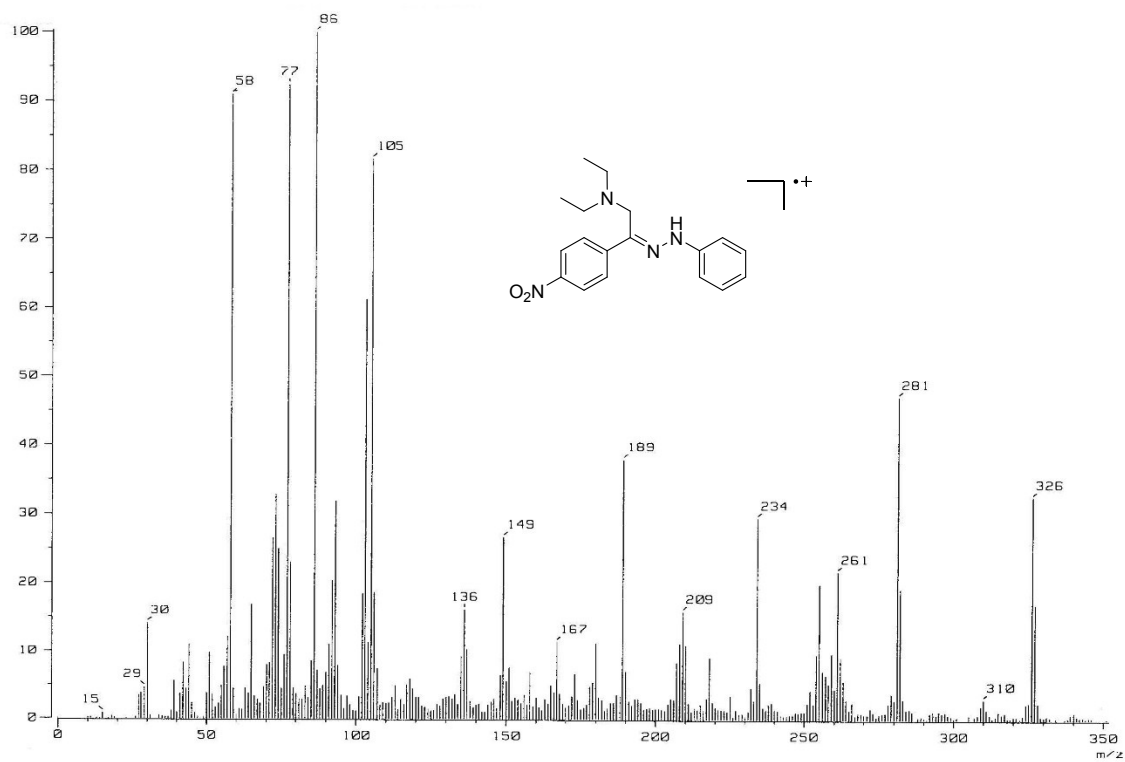


¹³C NMR (CDCl₃) **1g**

S15

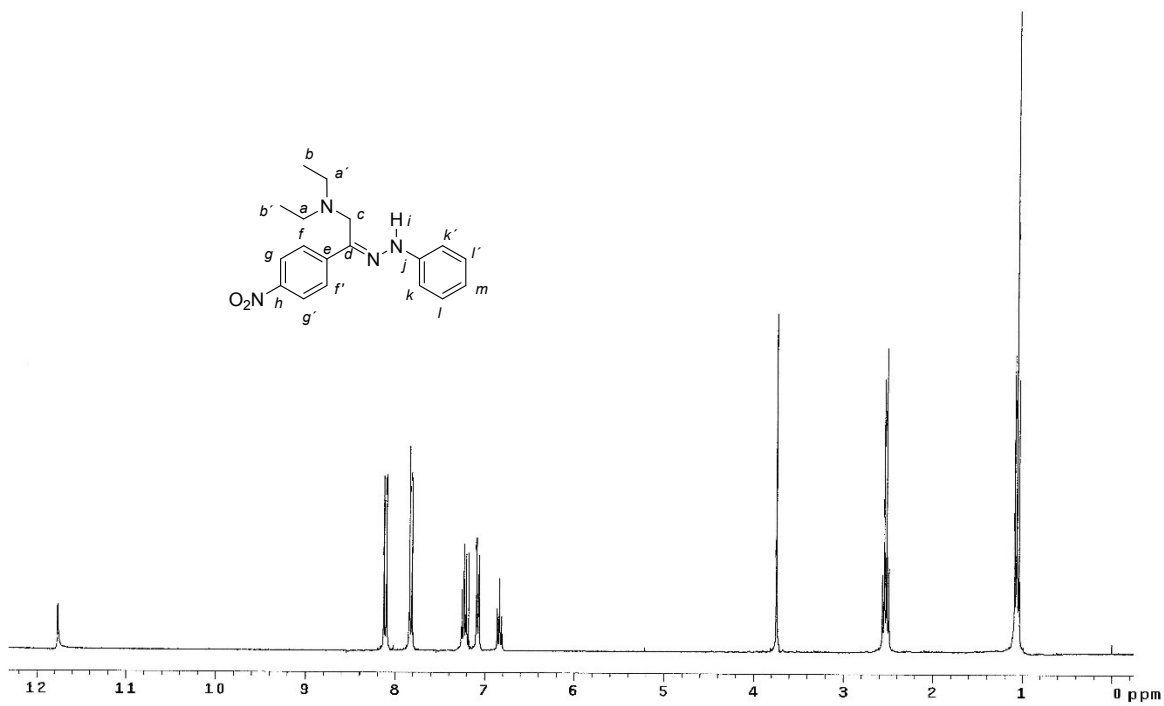


FT-IR (KBr) **1h**.

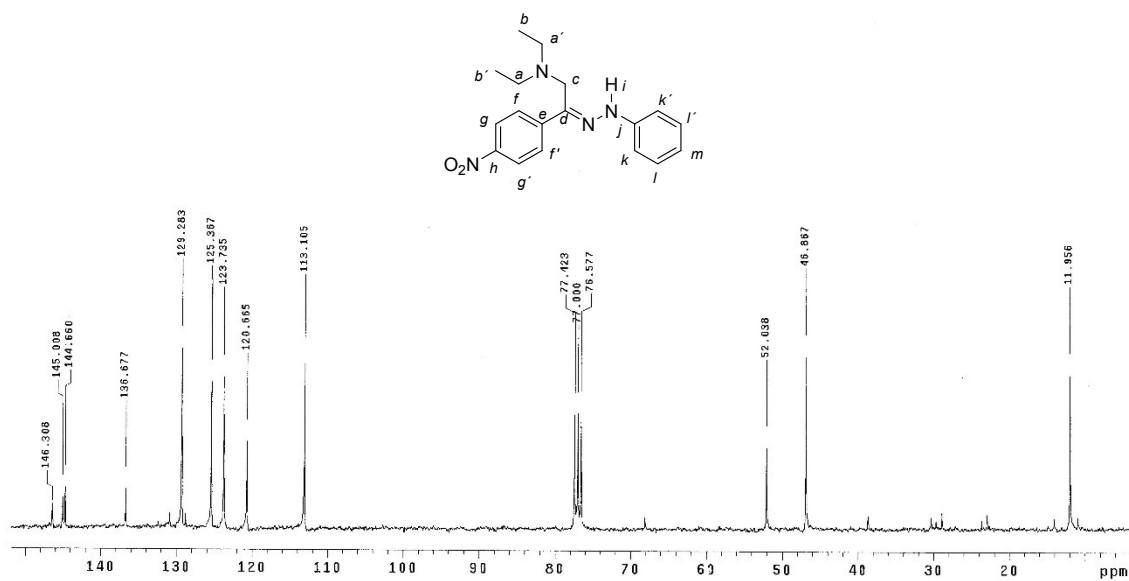


EM (EI) **1h**

S16



¹H NMR (CDCl₃) **1h**



¹³C NMR (CDCl₃) **1h**