

## Supplementary Material

### A convenient and simple synthesis of *N*-arylpirrolopyrimidines using boronic acids and promoted by copper (II) acetate

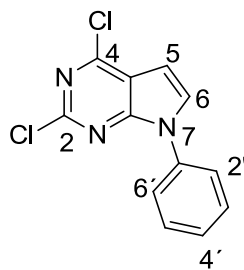
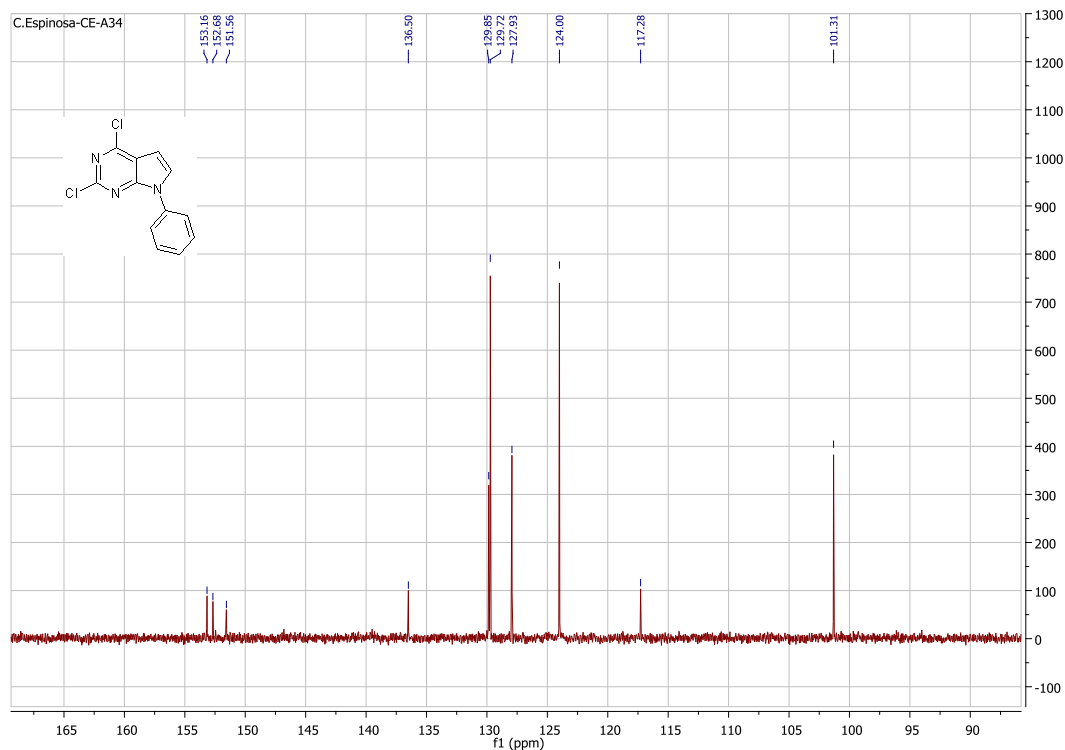
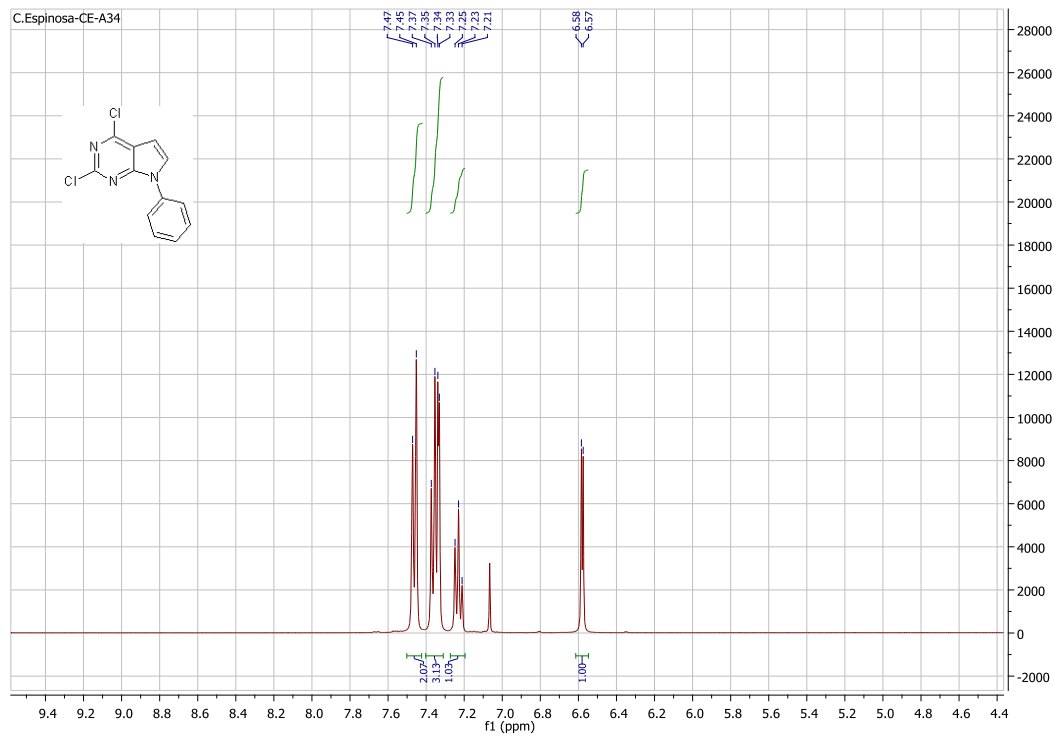
Christian Espinosa-Bustos\*, Alondra Villegas and, Cristian O. Salas

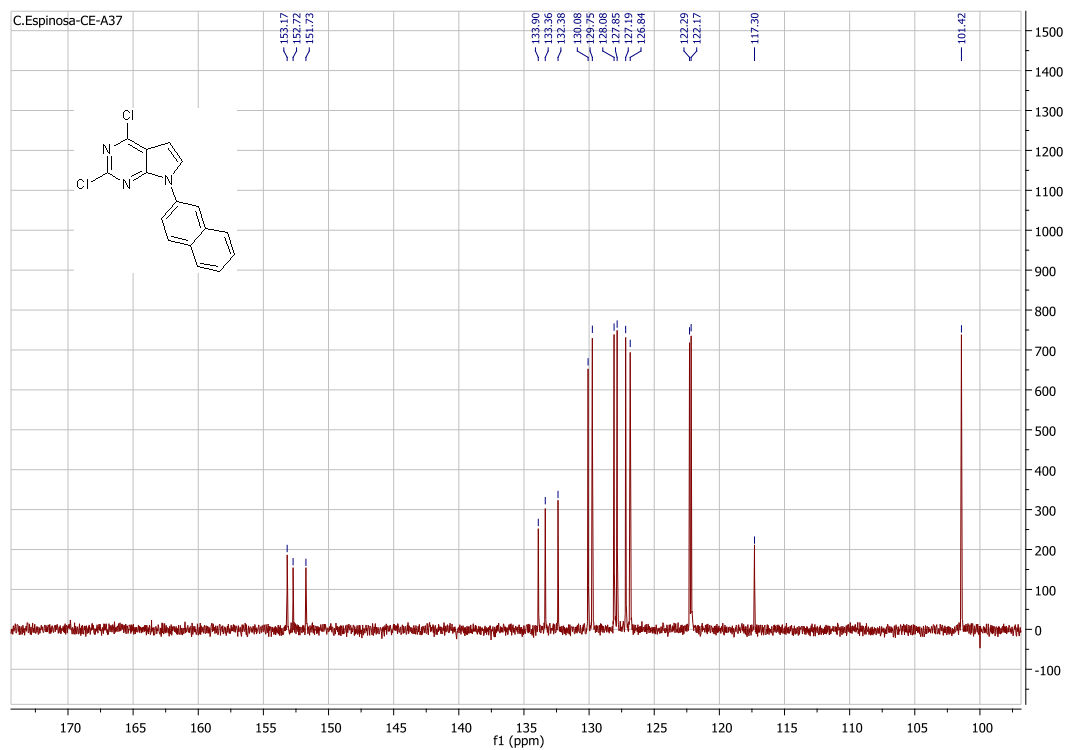
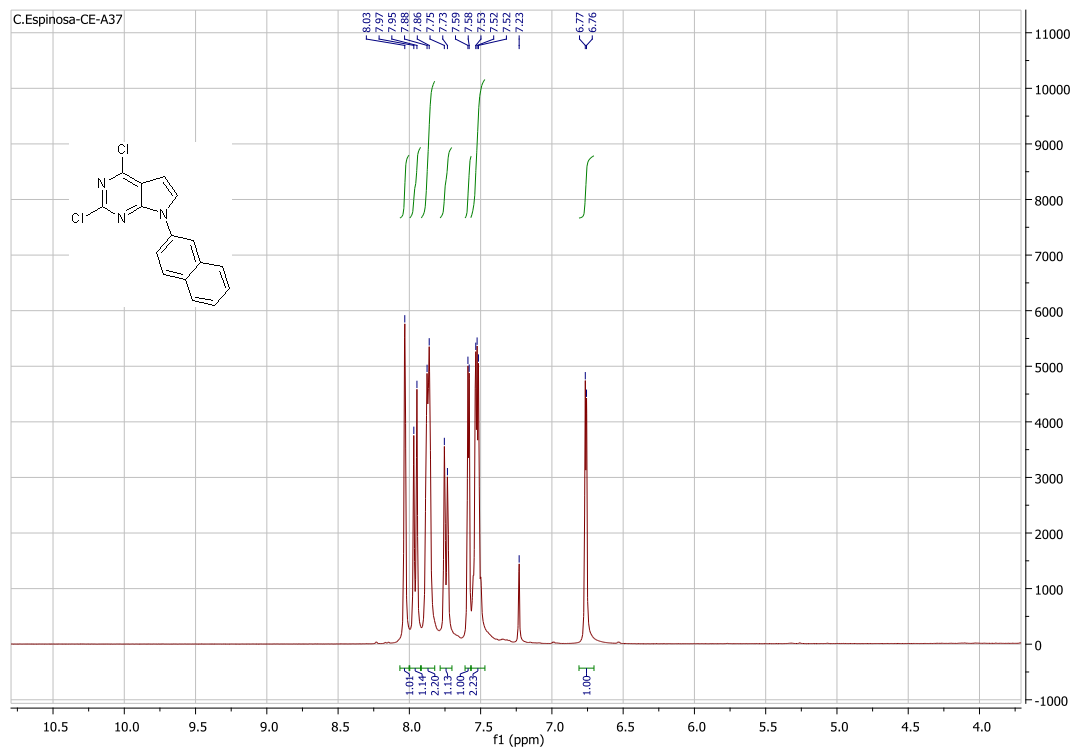
*Organic Chemistry Department, Faculty of Chemistry, Pontificia Universidad Católica de Chile, Av. Vicuña Mackenna 4860, 702843, Santiago, Chile*

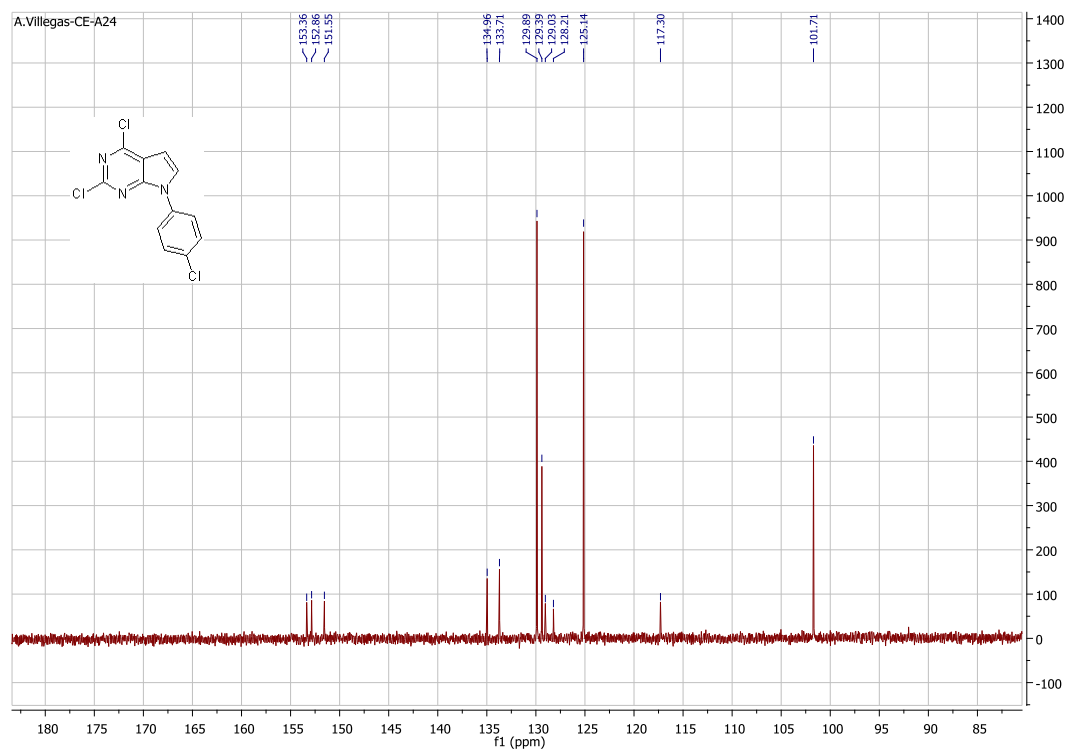
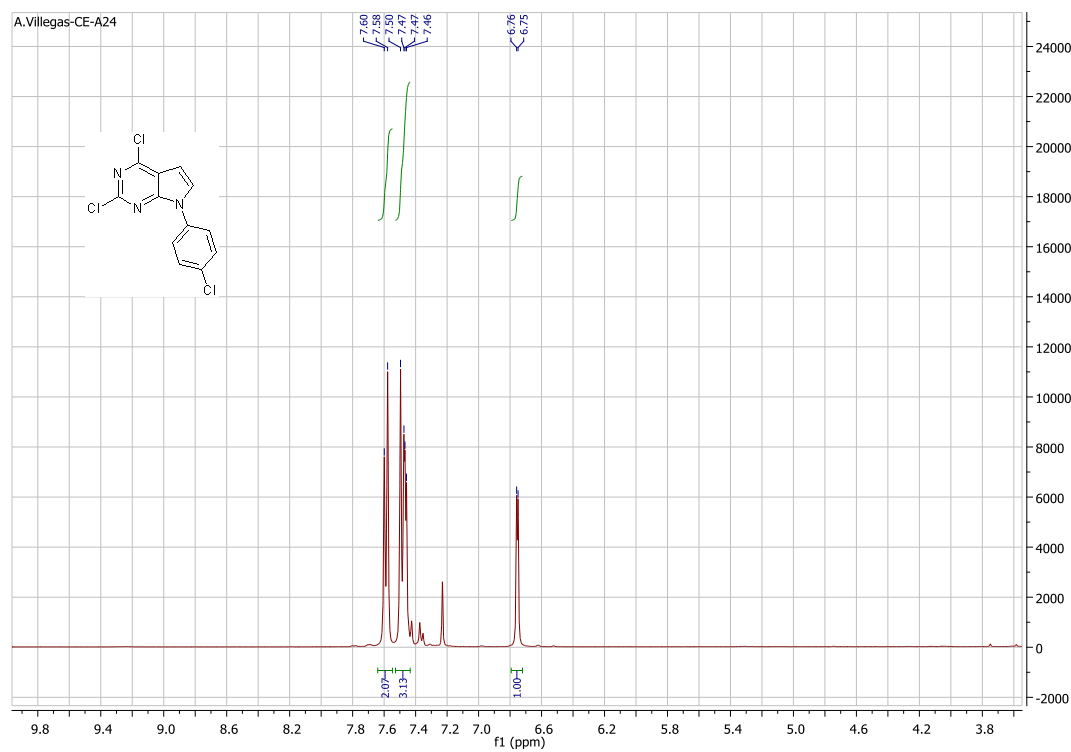
*E-mail: [ccespino@uc.cl](mailto:ccespino@uc.cl)*

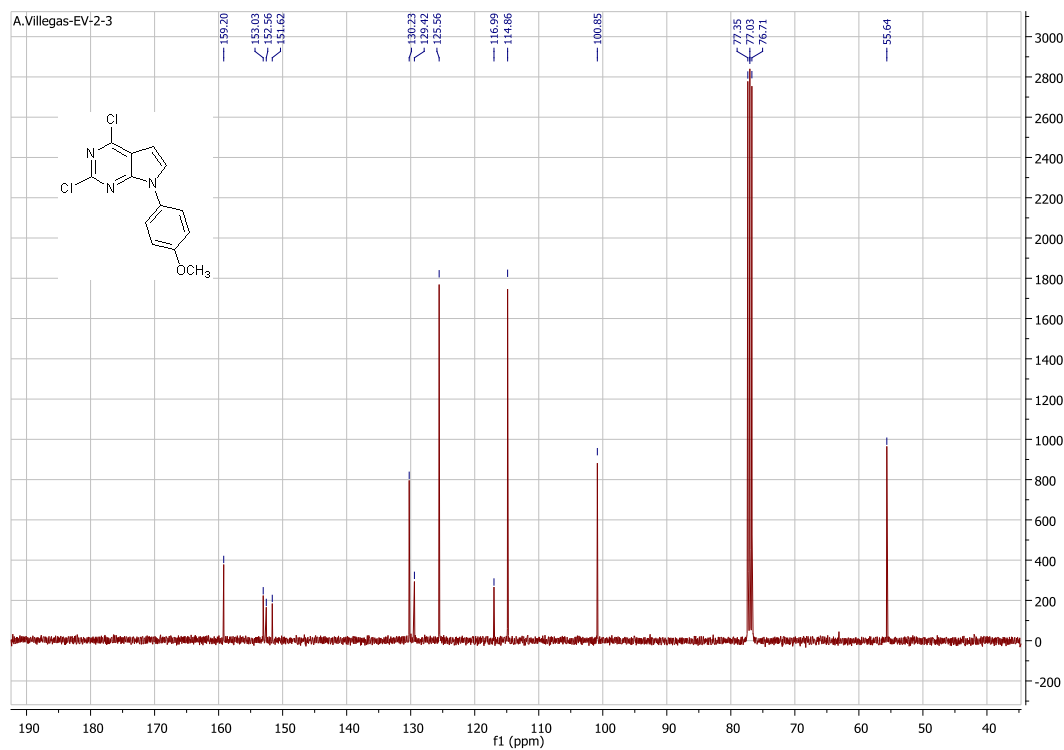
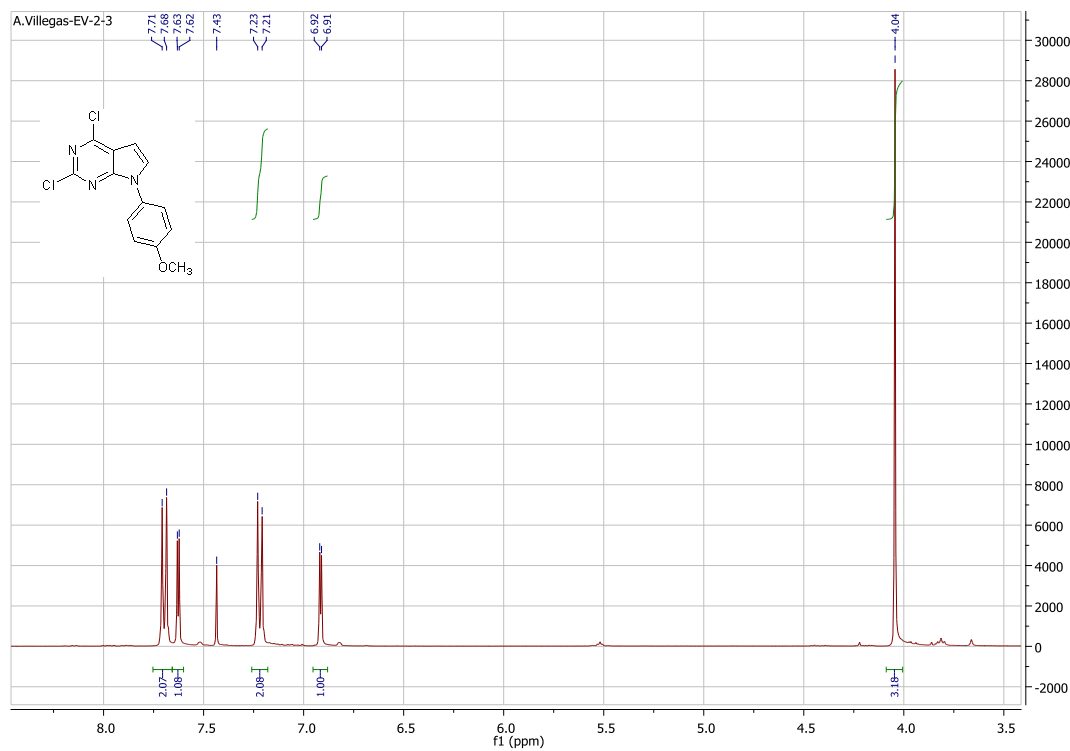
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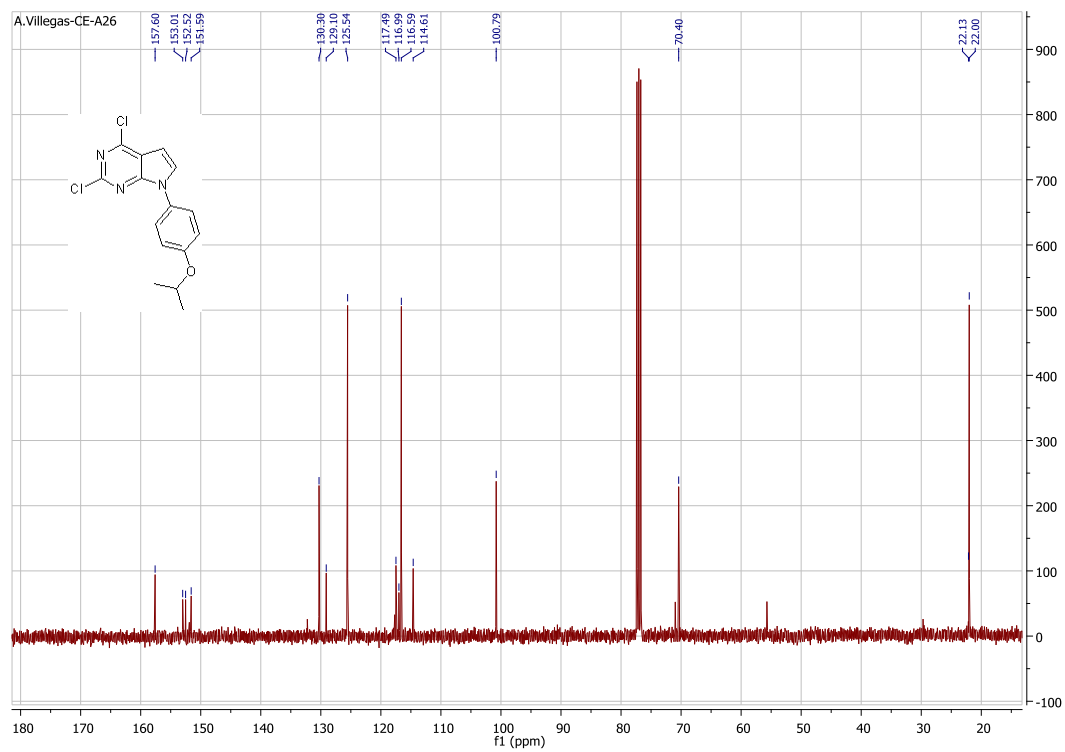
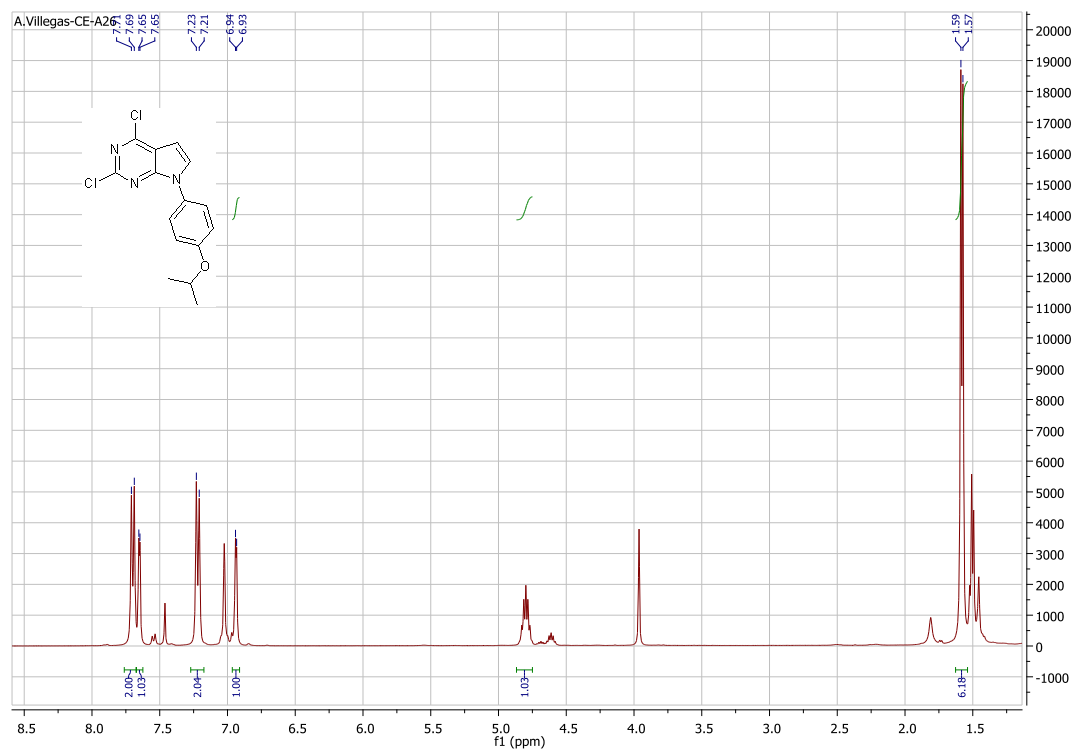
<sup>1</sup> H and <sup>13</sup> C NMR for compounds <b>3a</b> , <b>3c</b> , <b>3d</b> , <b>3e</b> , <b>3f</b> , <b>3g</b> , <b>3h</b> , <b>3i</b> , <b>3j</b> , <b>3k</b> , <b>3l</b> , <b>3m</b> , <b>3n</b> , <b>3p,m</b> <b>3q</b>	S2
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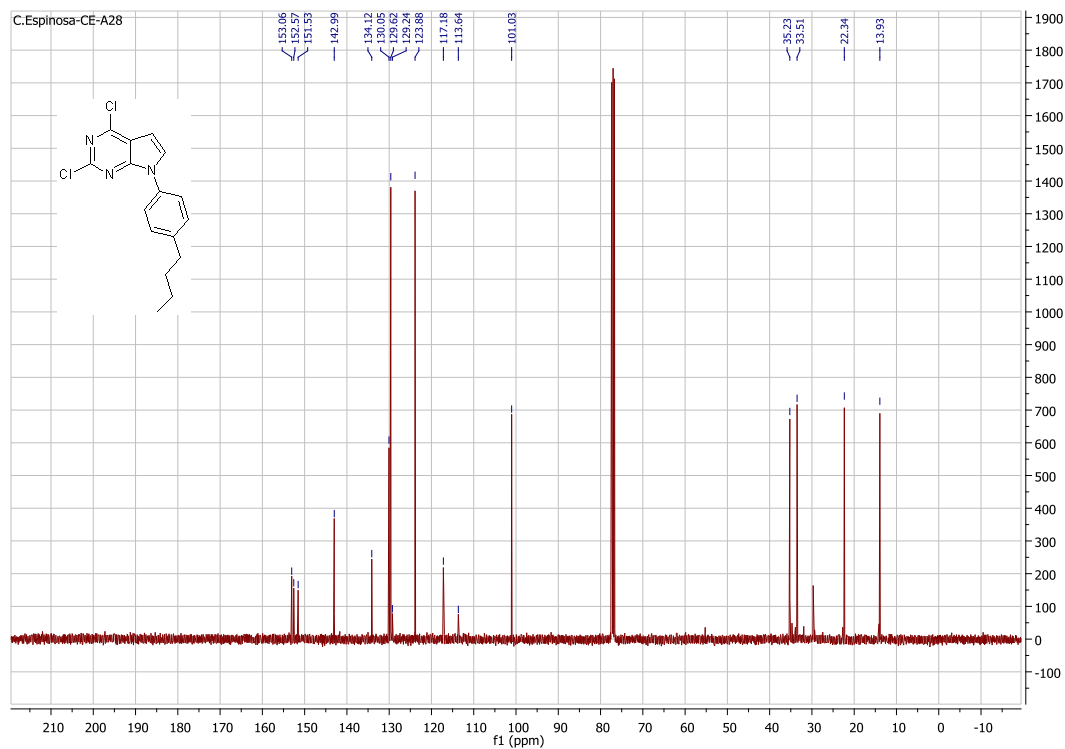
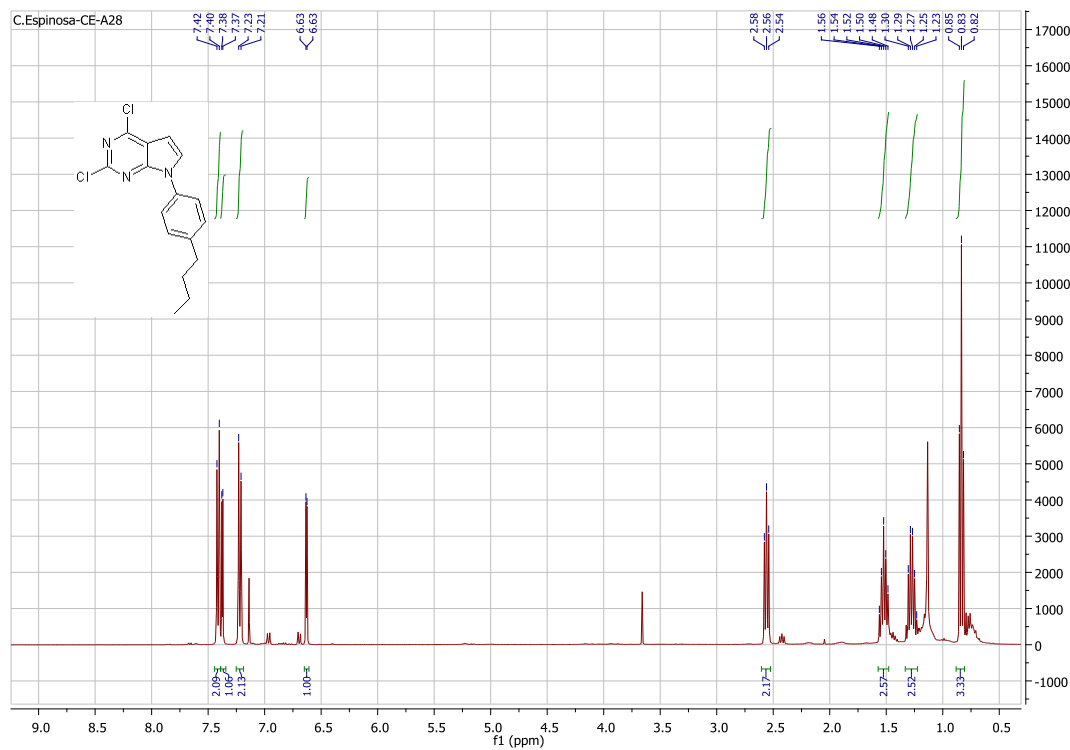
 $^1\text{H}$  and  $^{13}\text{C}$  NMR for compound **3a**

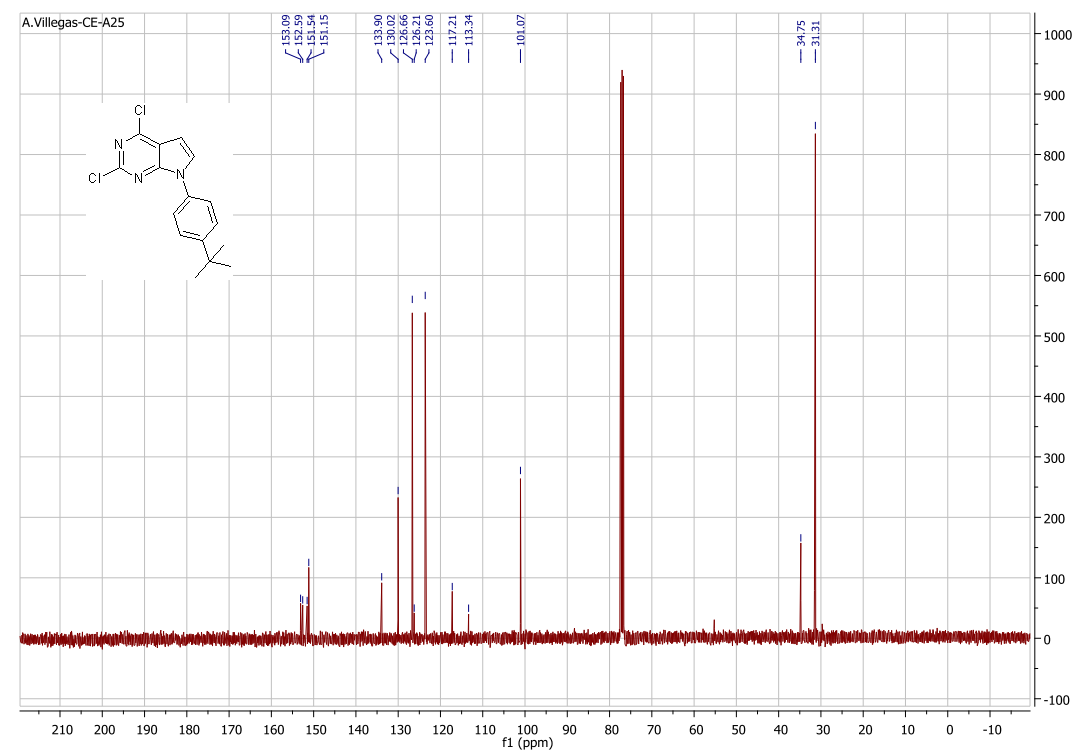
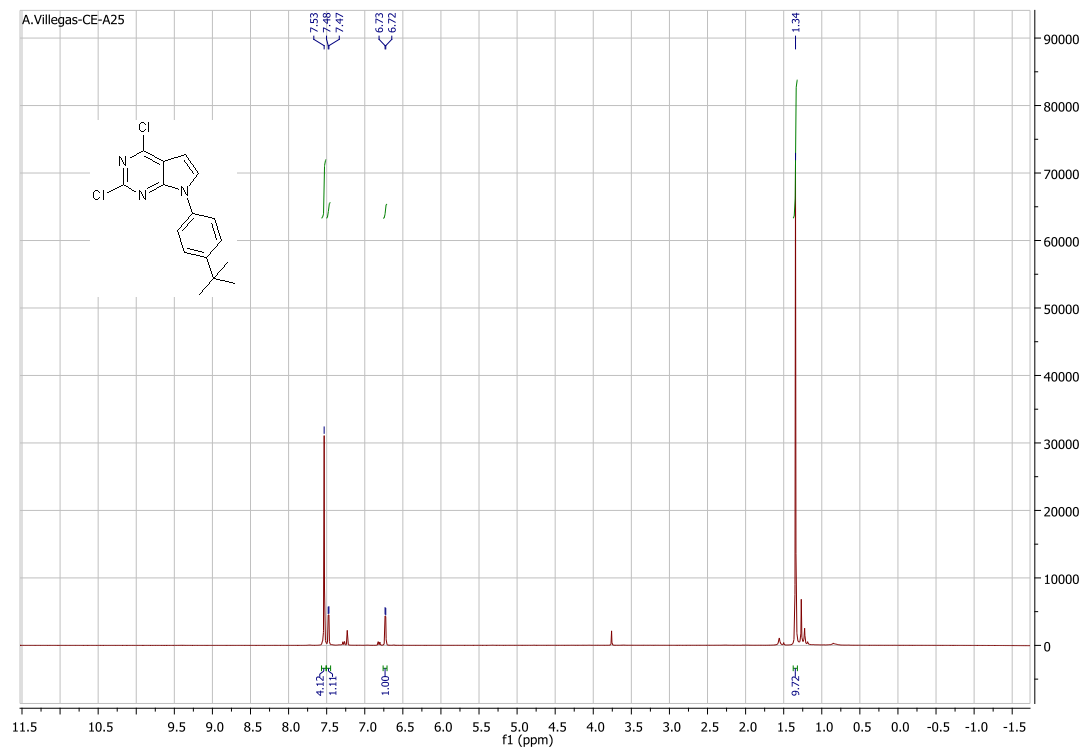
$^1\text{H}$  and  $^{13}\text{C}$  NMR for compound **3c**

$^1\text{H}$  and  $^{13}\text{C}$  NMR for compound **3d**

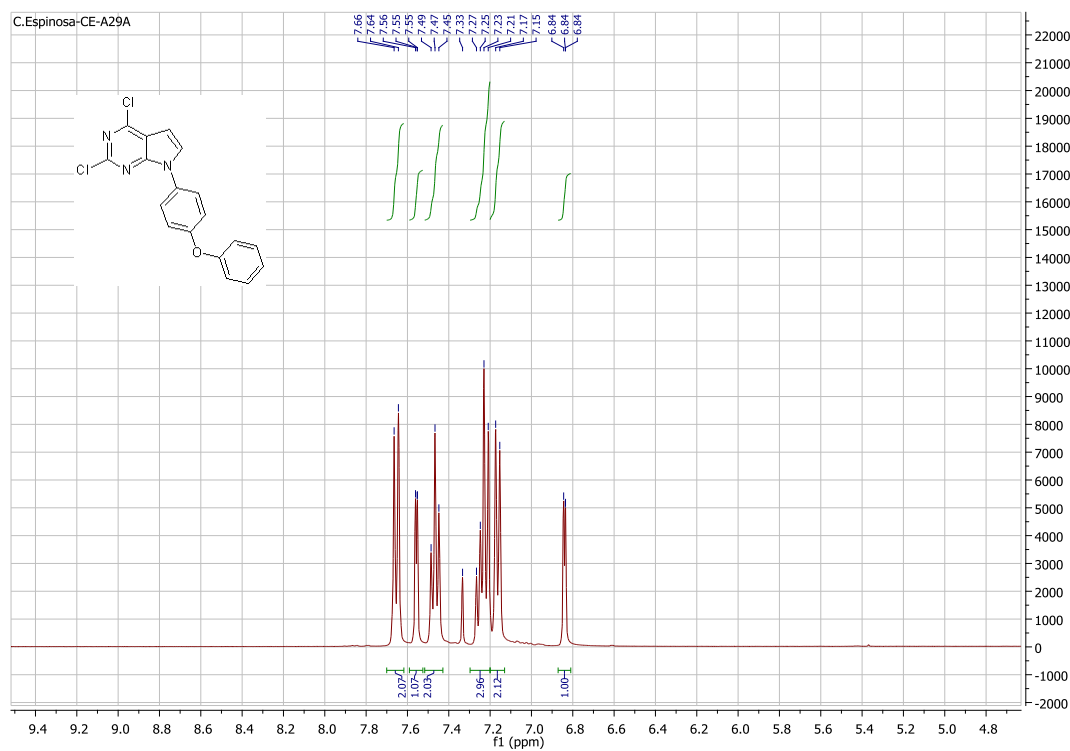
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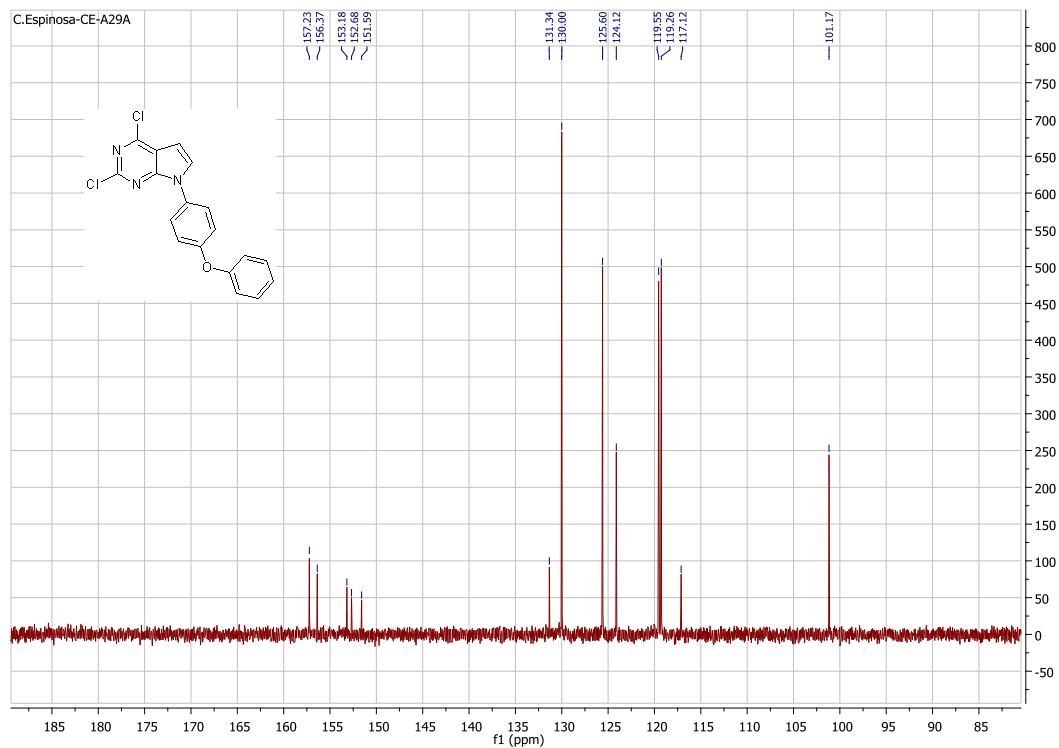
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$^1\text{H}$  and  $^{13}\text{C}$  NMR for compound **3g**

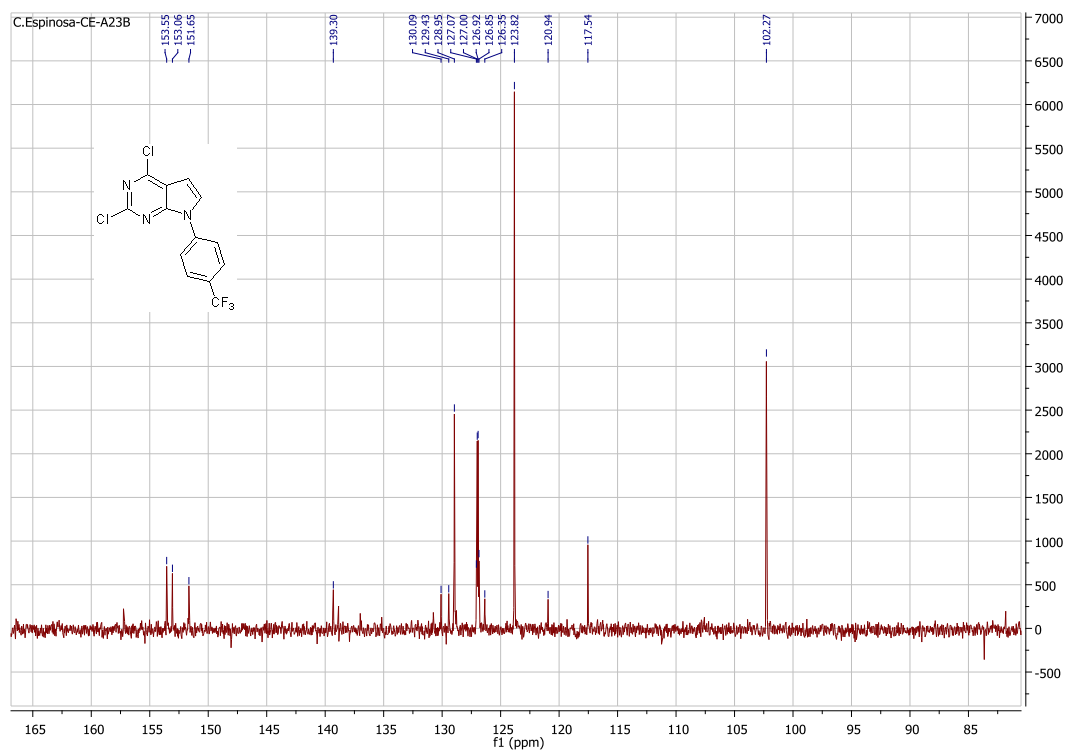
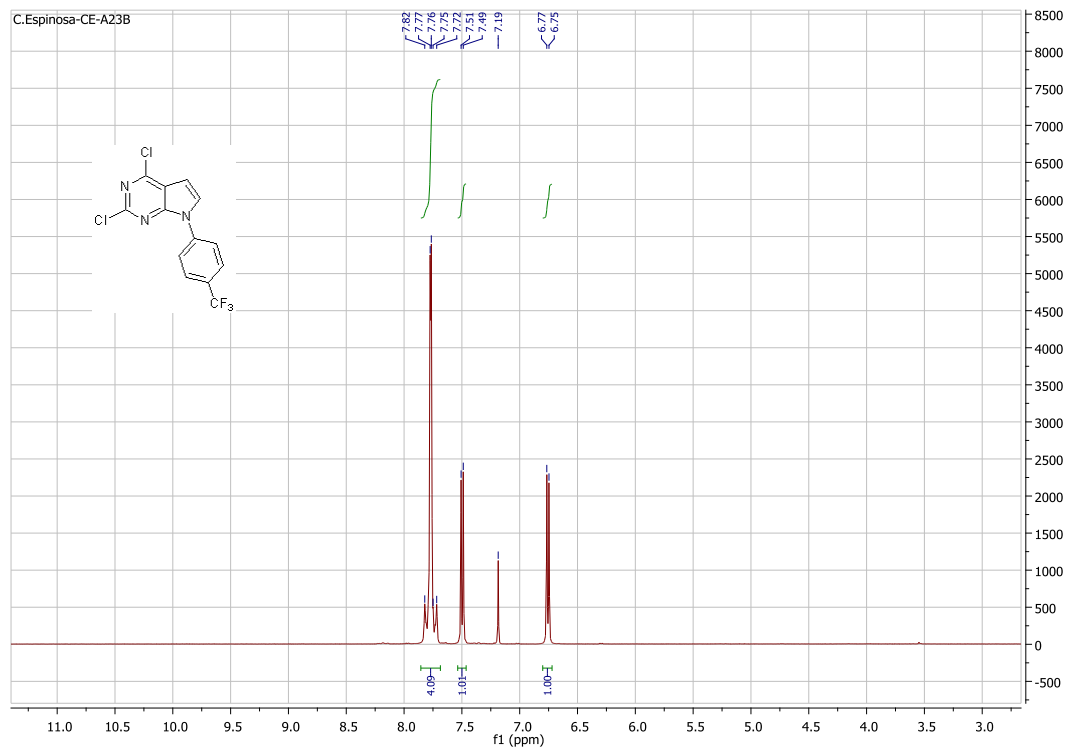
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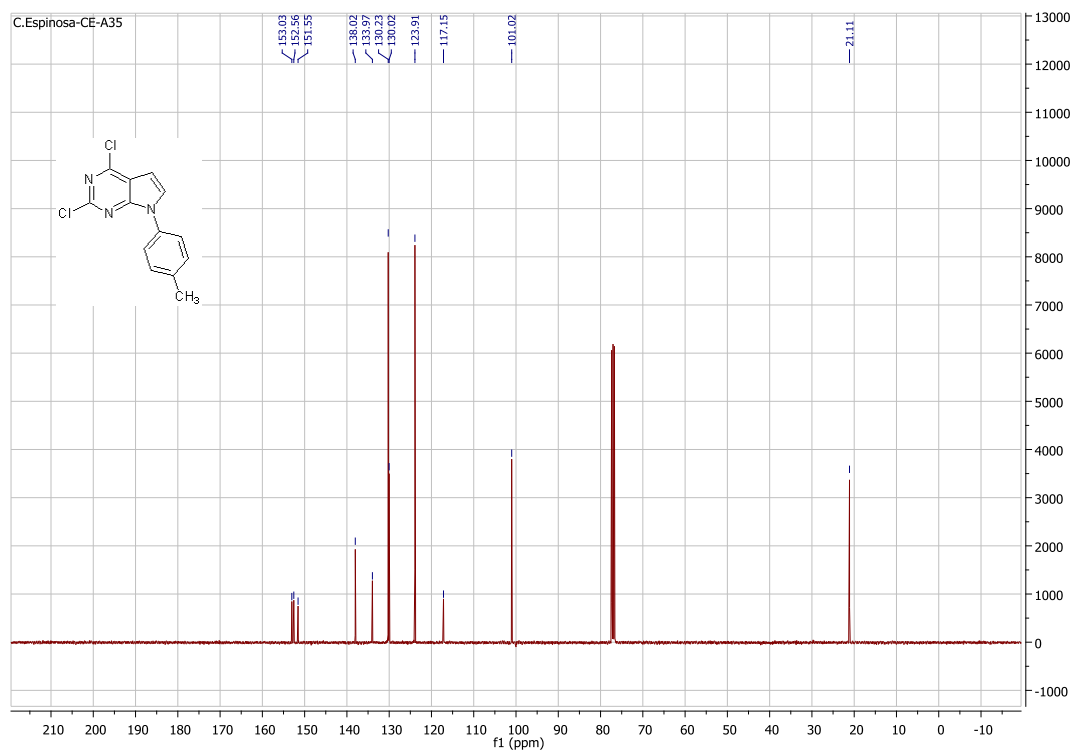
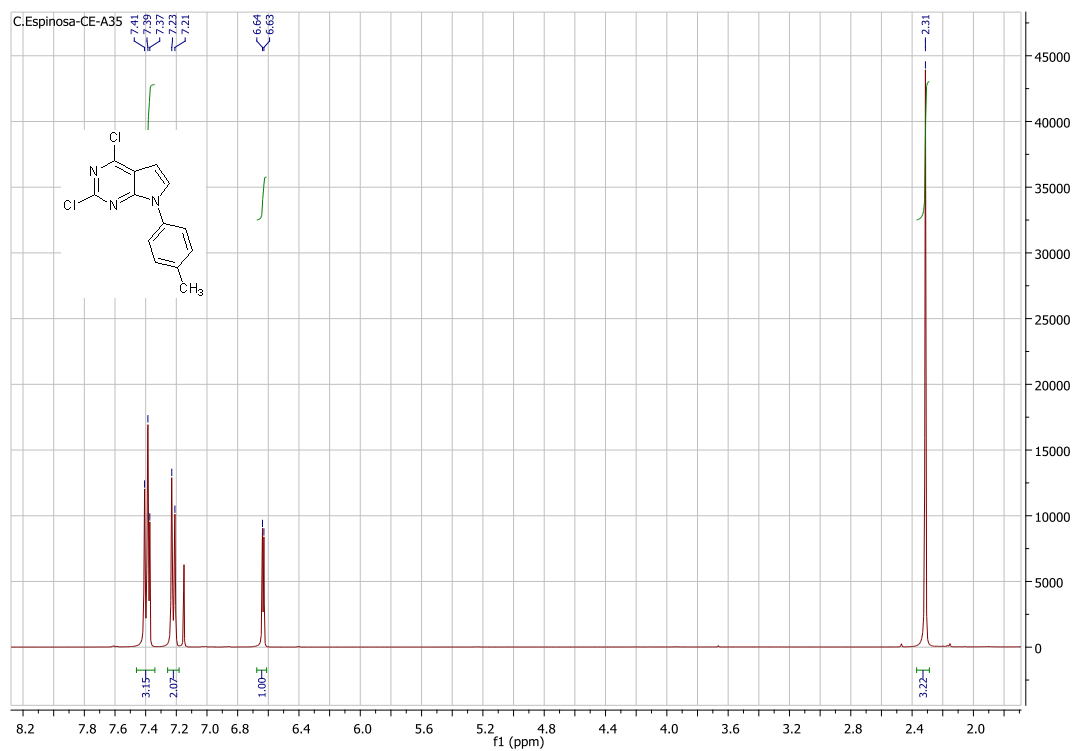


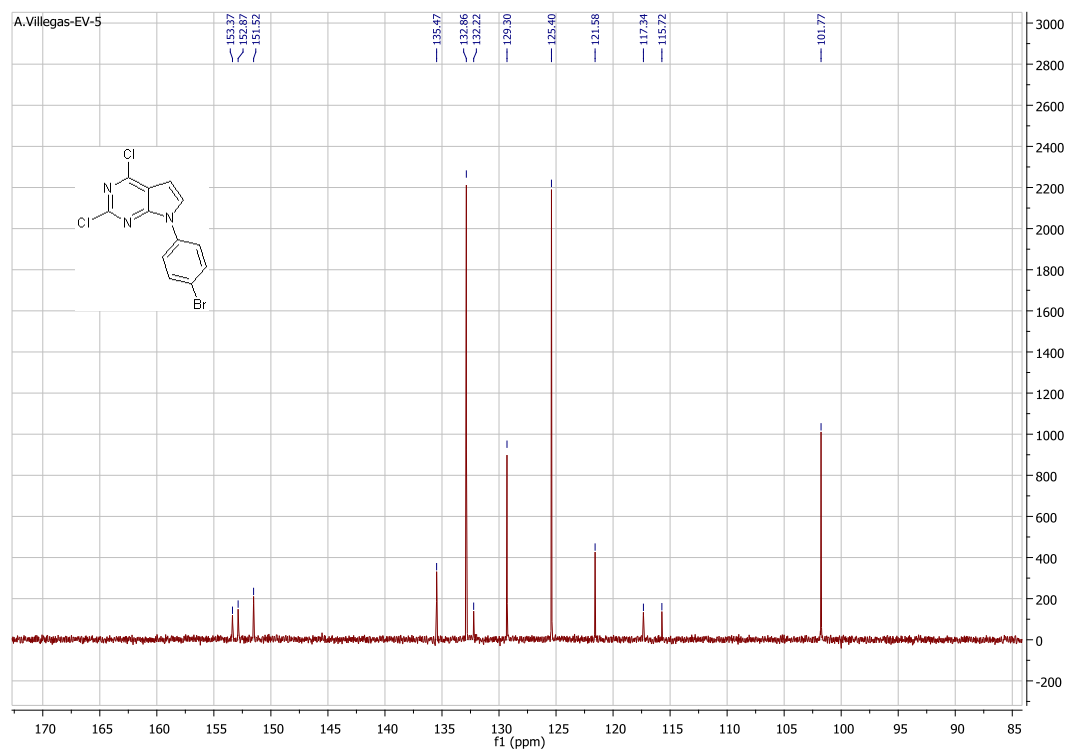
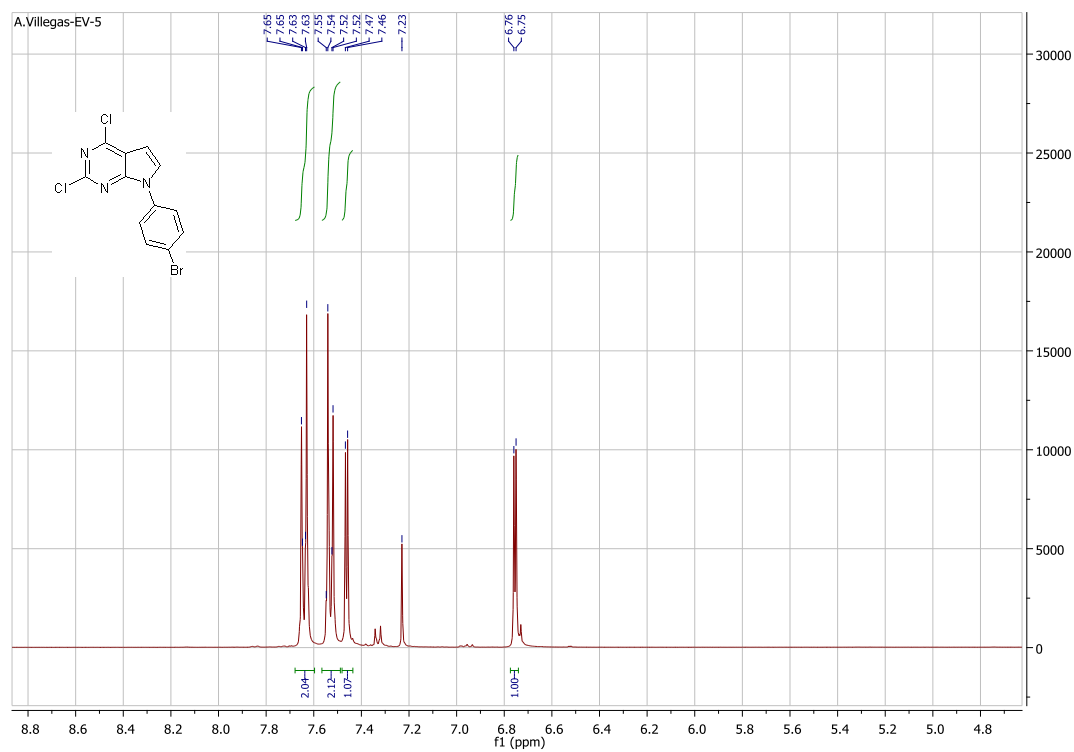
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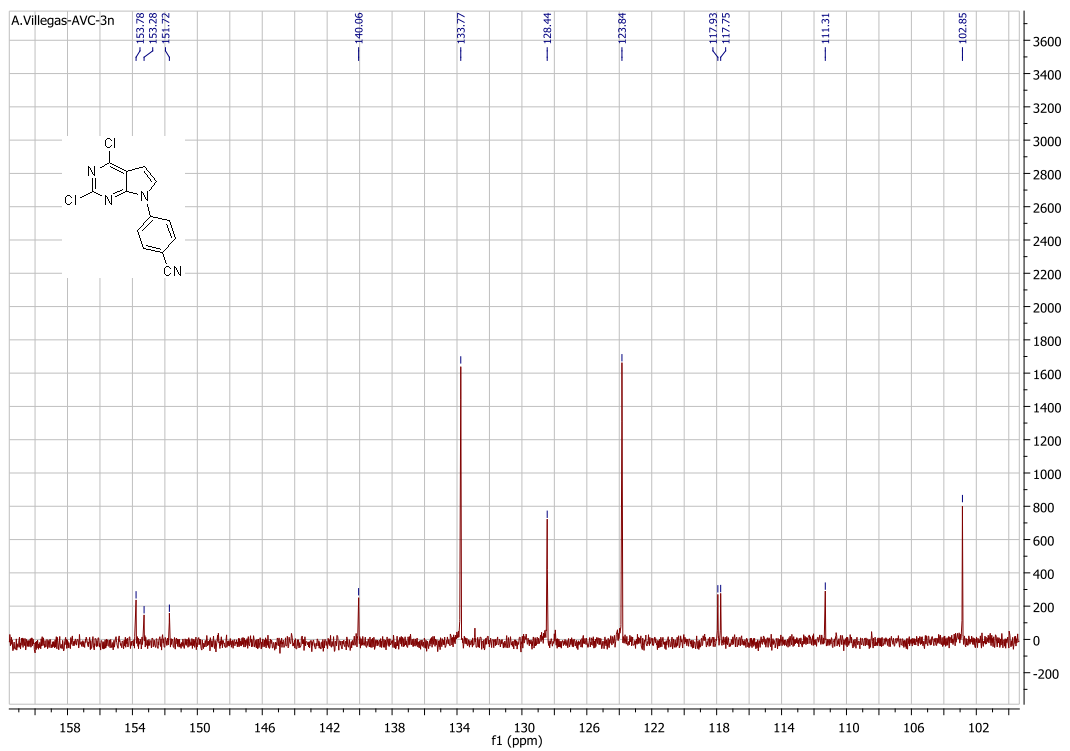
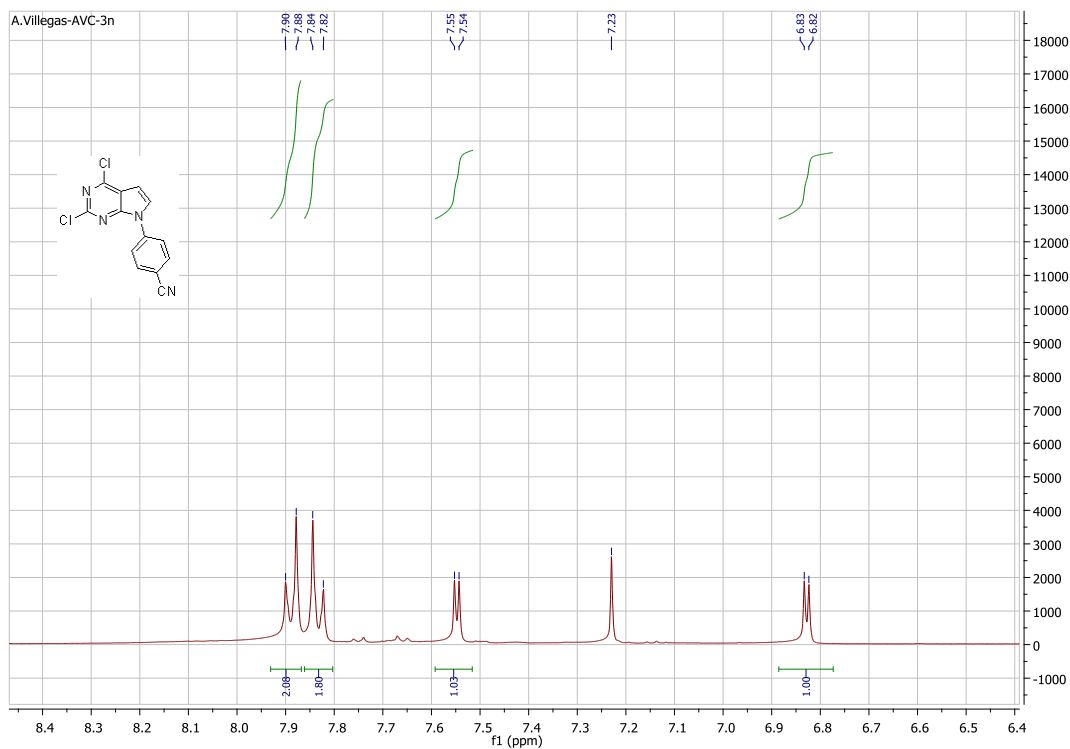


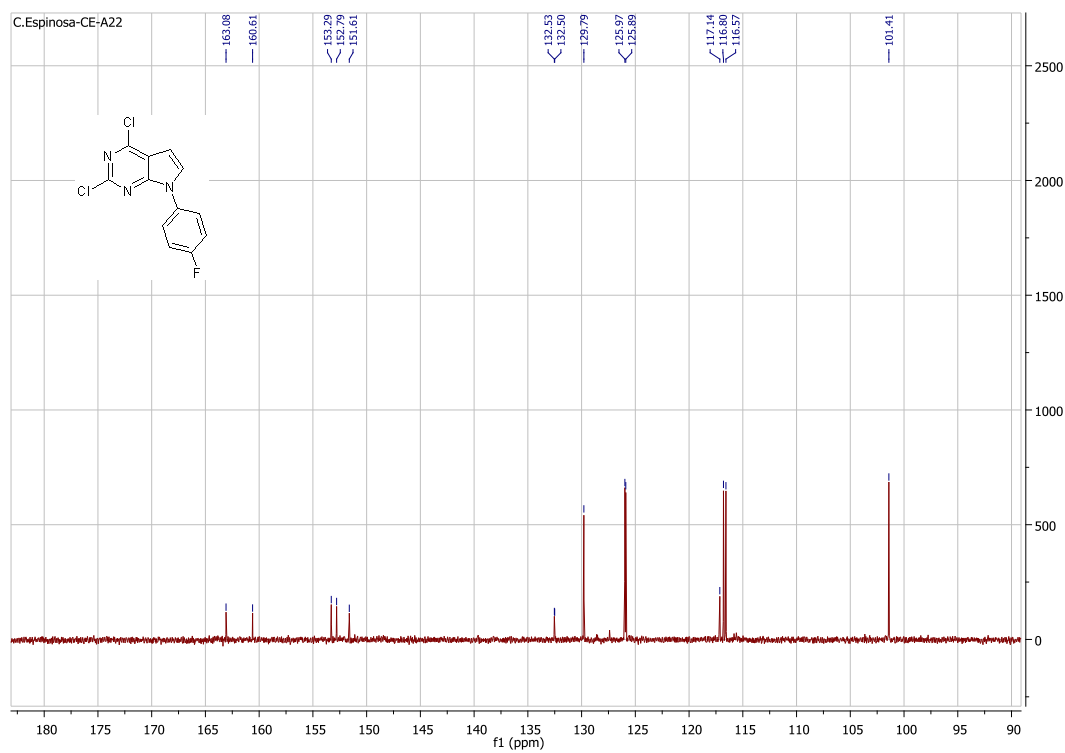
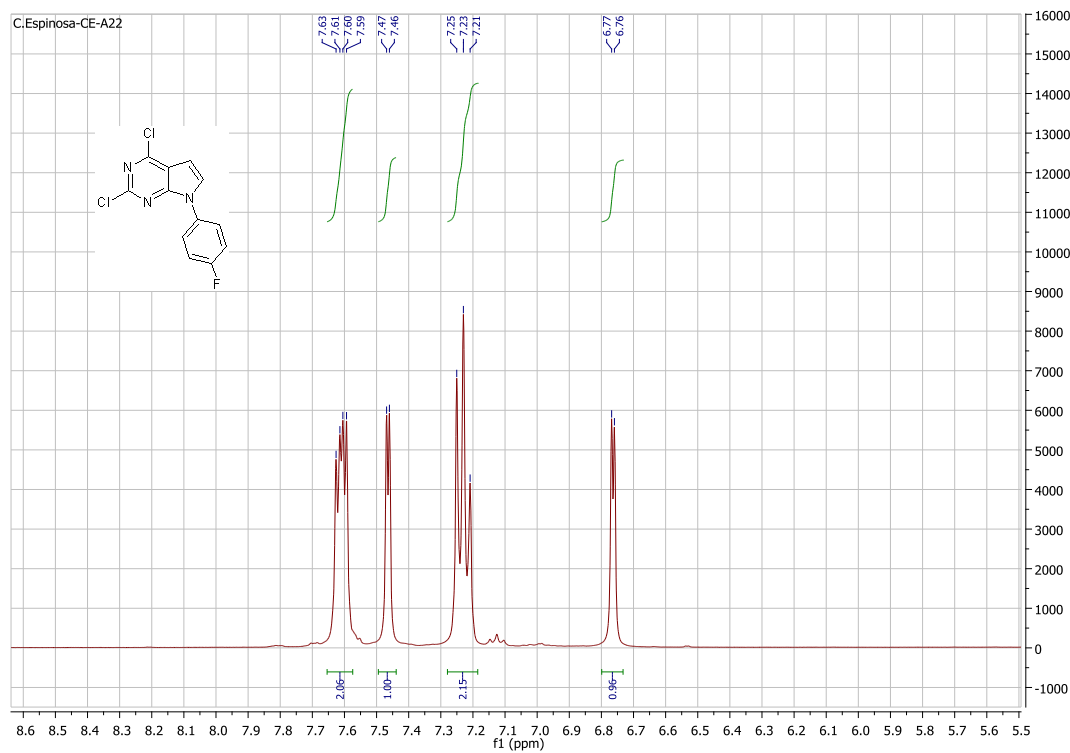
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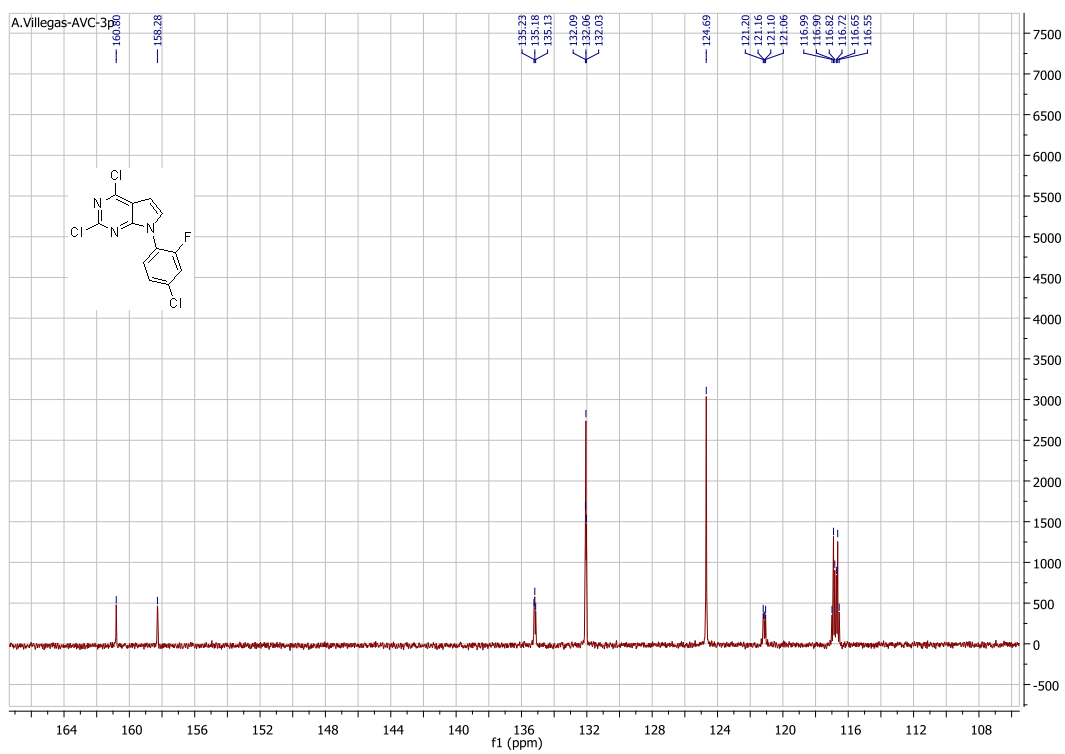
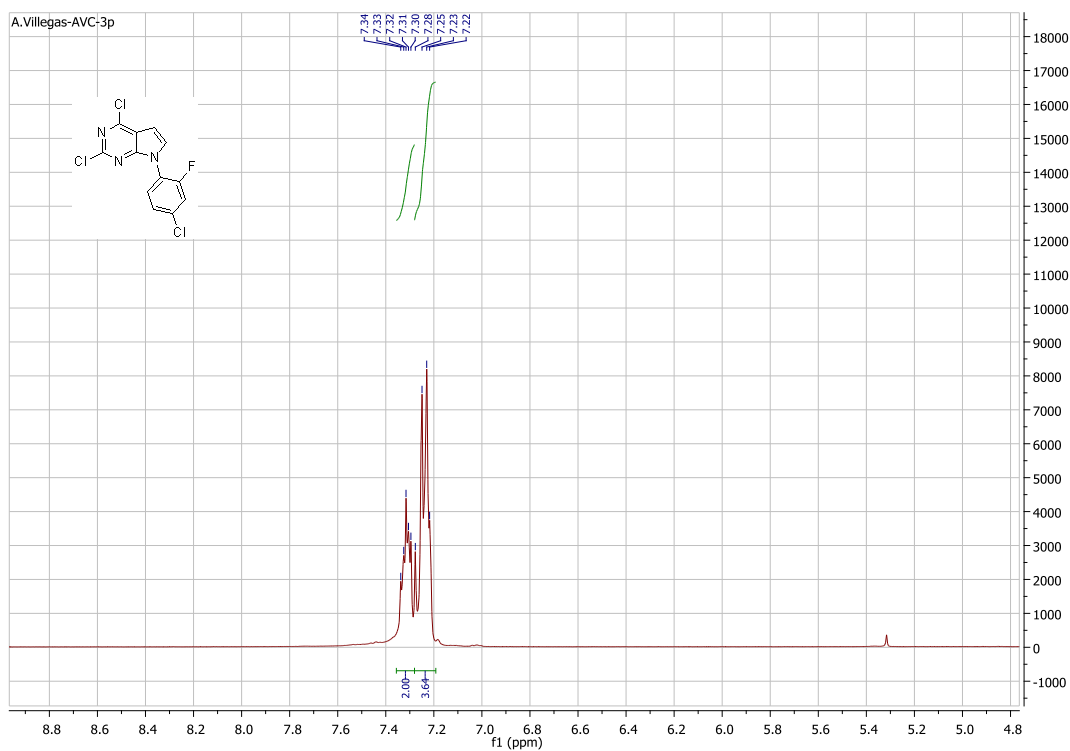


$^1\text{H}$  and  $^{13}\text{C}$  NMR for compound **3k**

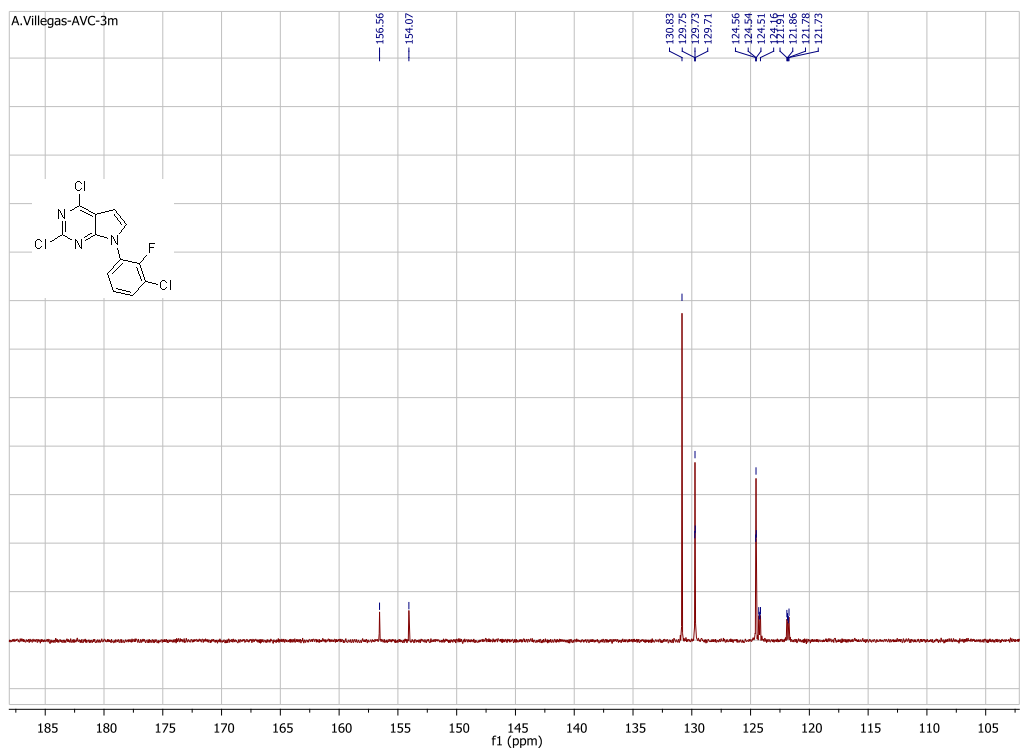
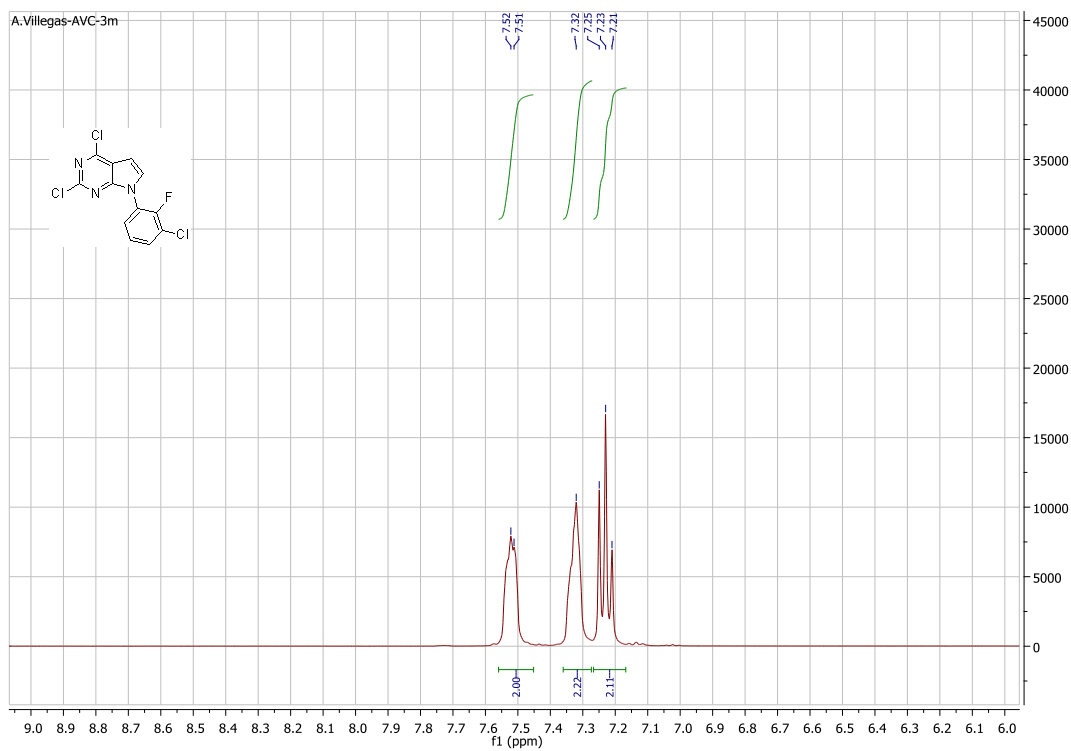
$^1\text{H}$  and  $^{13}\text{C}$  NMR for compound **31**

$^1\text{H}$  and  $^{13}\text{C}$  NMR for compound **3m**

$^1\text{H}$  and  $^{13}\text{C}$  NMR for compound **3n**

$^1\text{H}$  and  $^{13}\text{C}$  NMR for compound **3p**

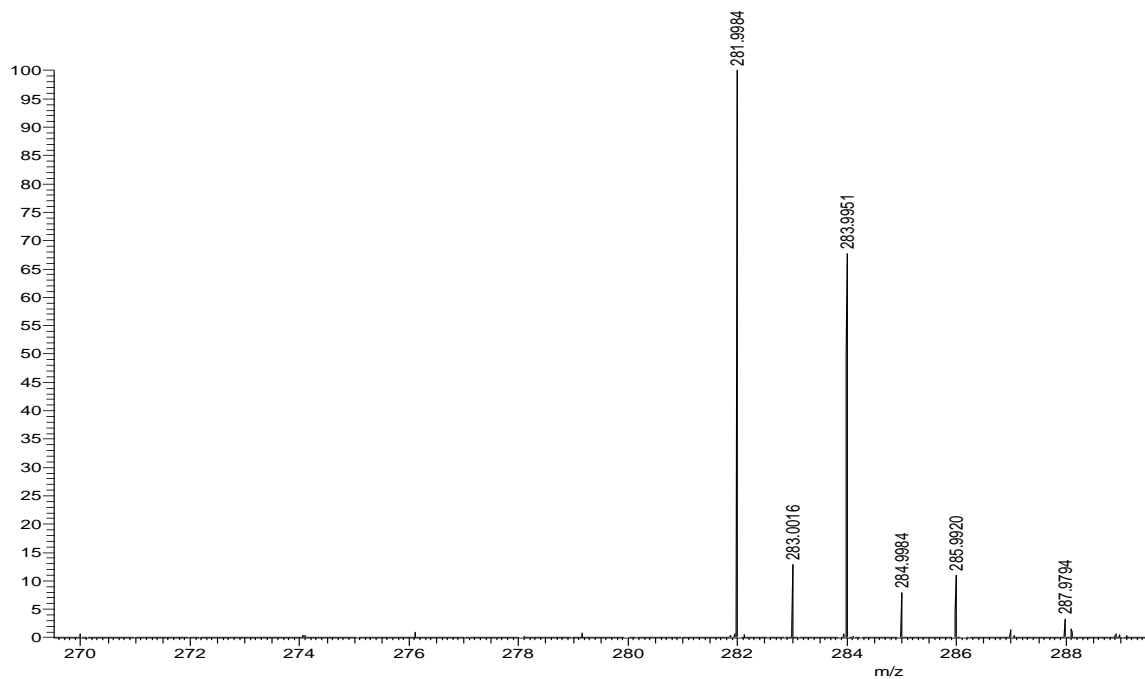


$^1\text{H}$  and  $^{13}\text{C}$  NMR for compound **3q**

HRMS for compound **3a**

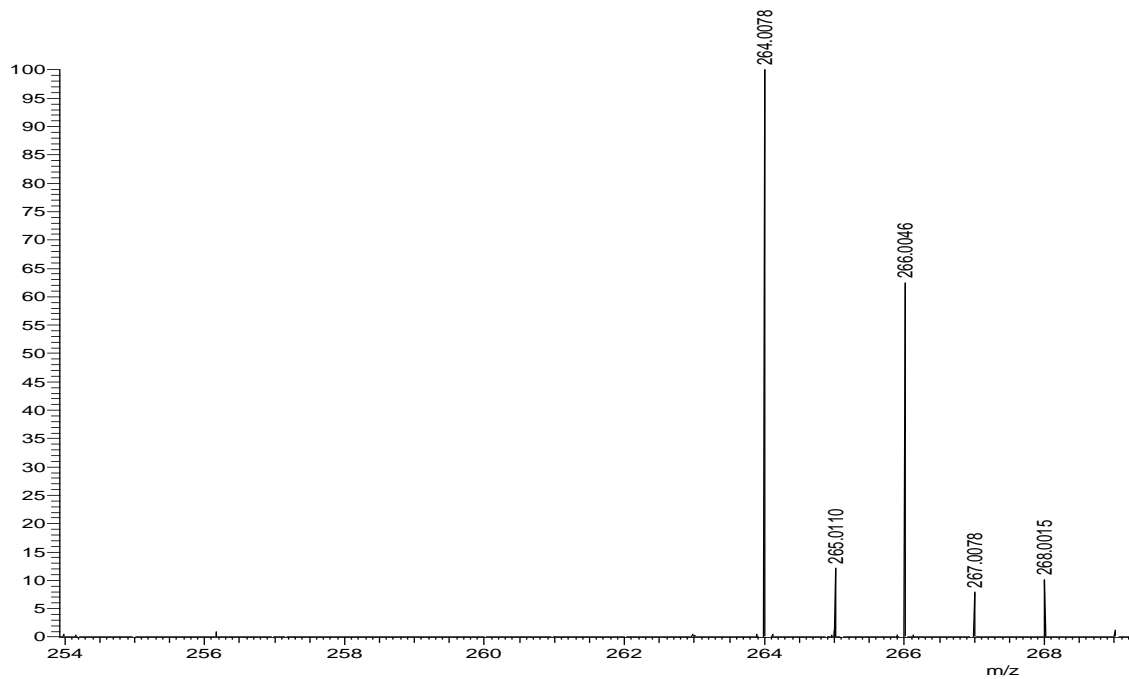
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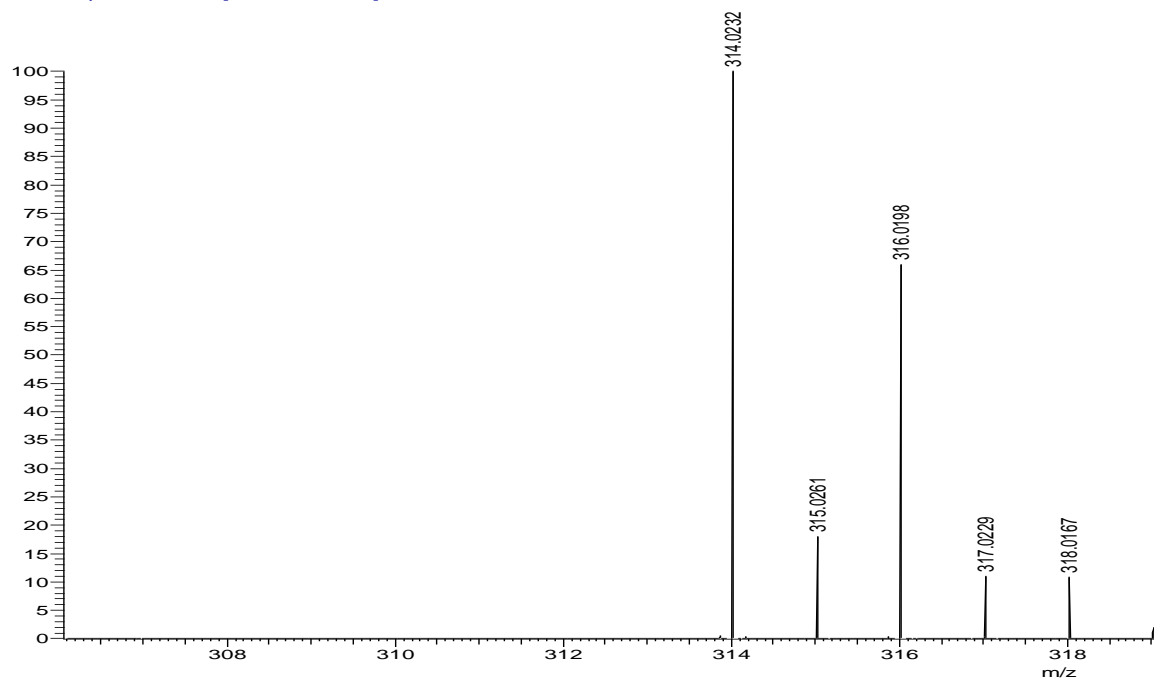
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HRMS for compound **3c**

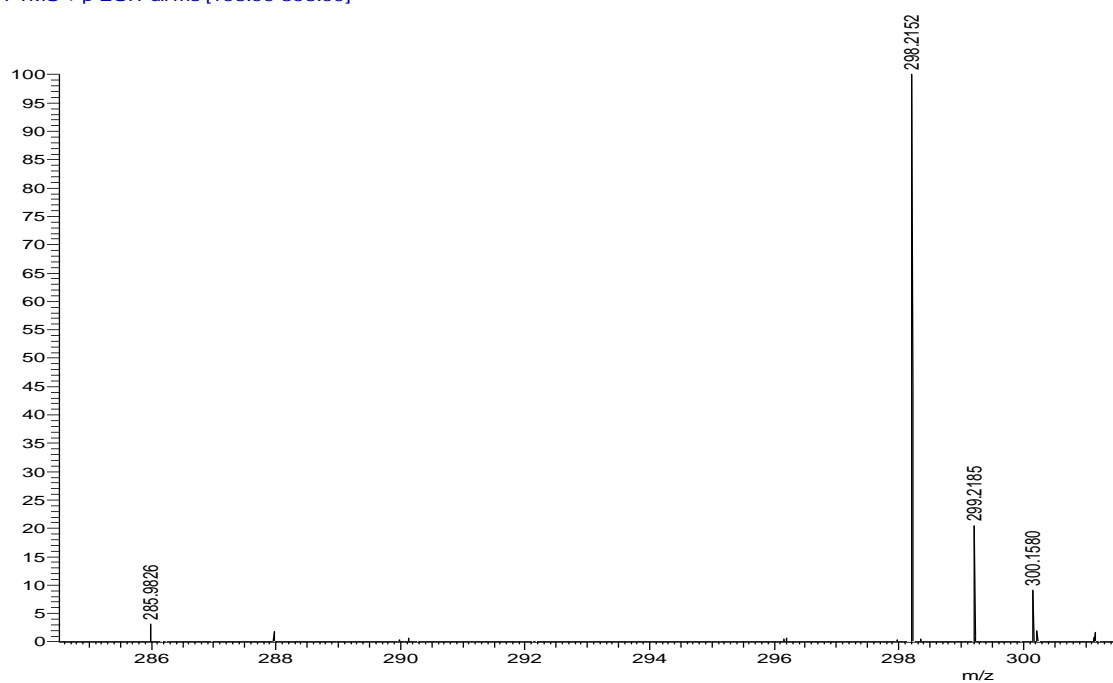
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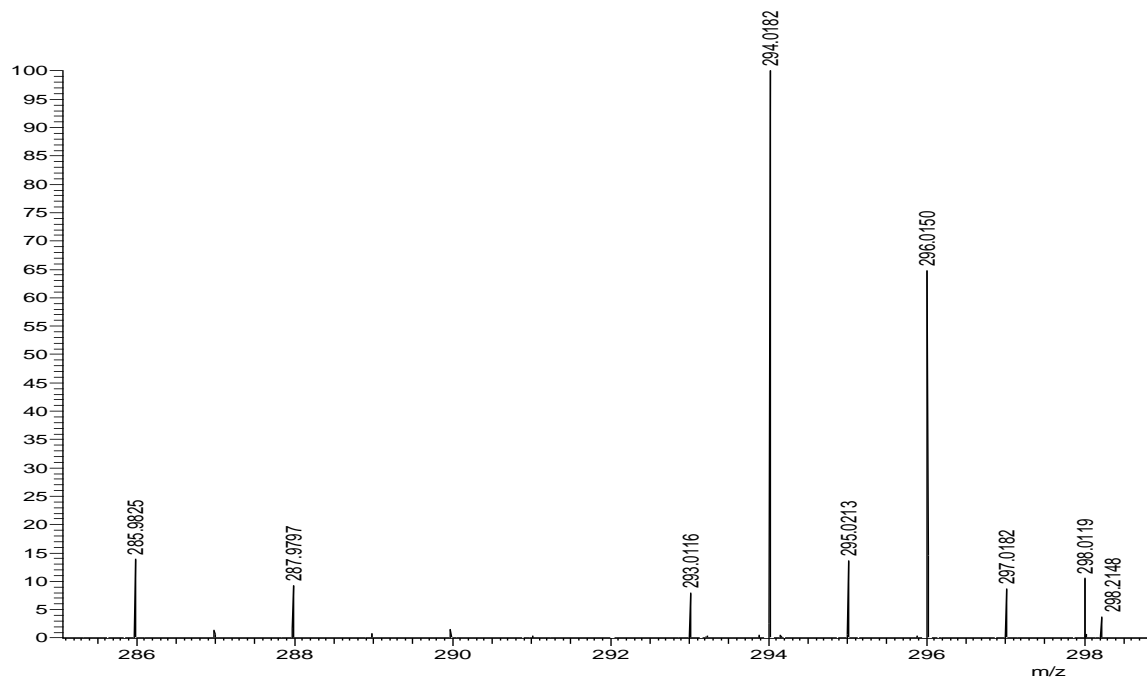
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HRMS for compound **3e**

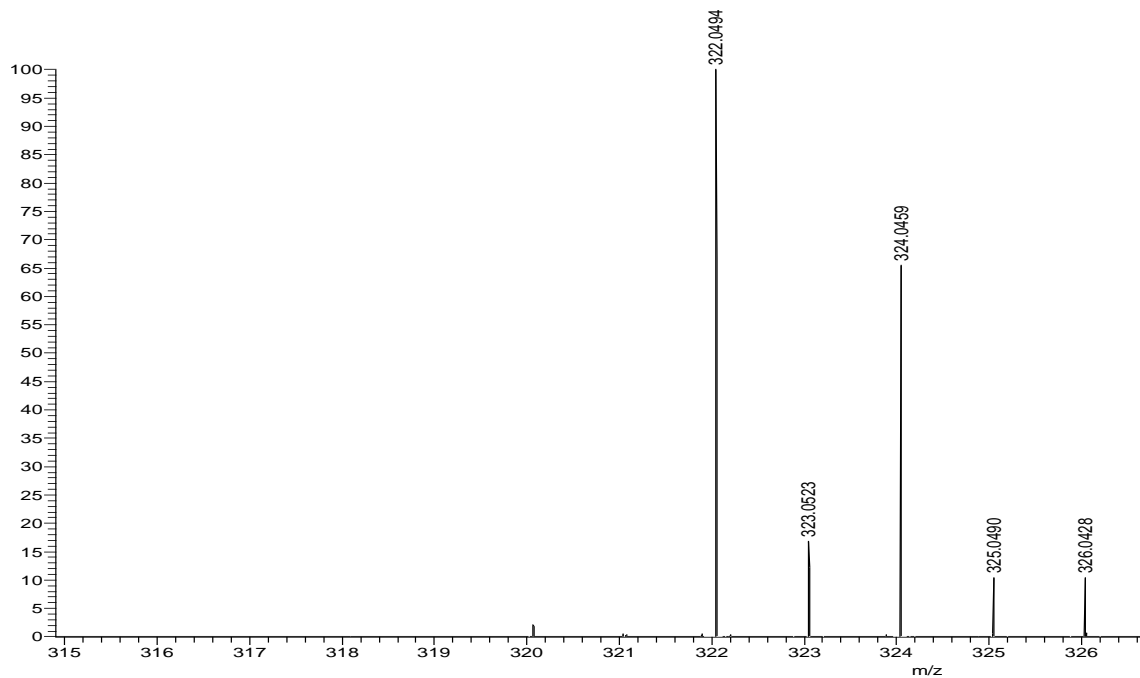
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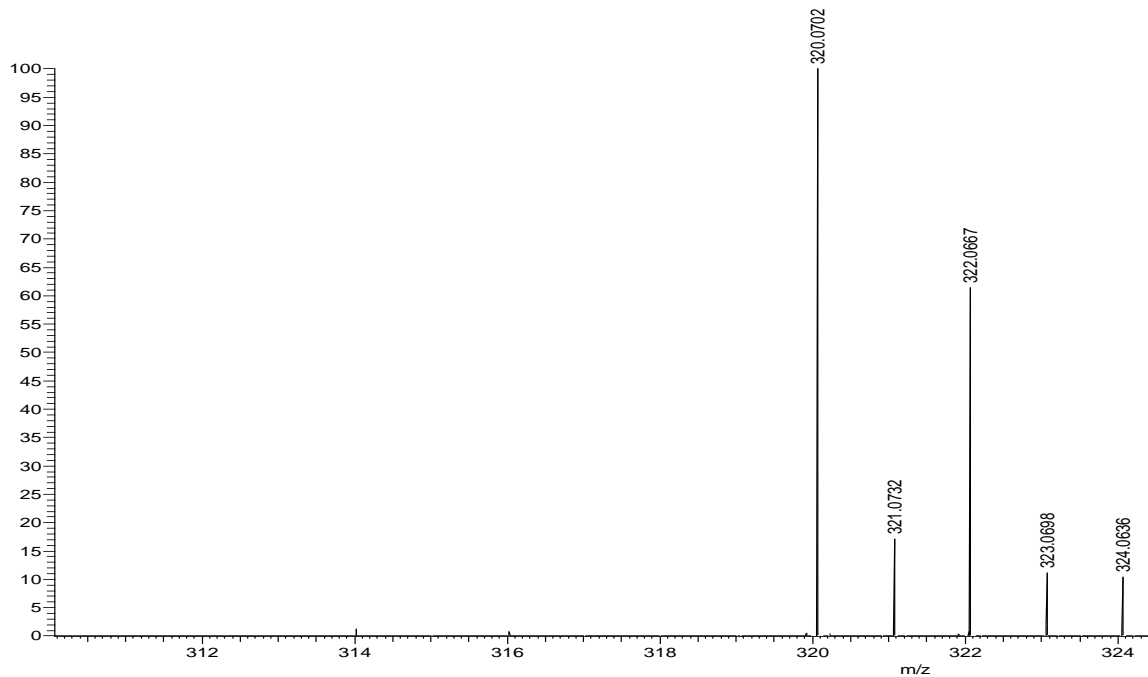
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HRMS for compound **3g**

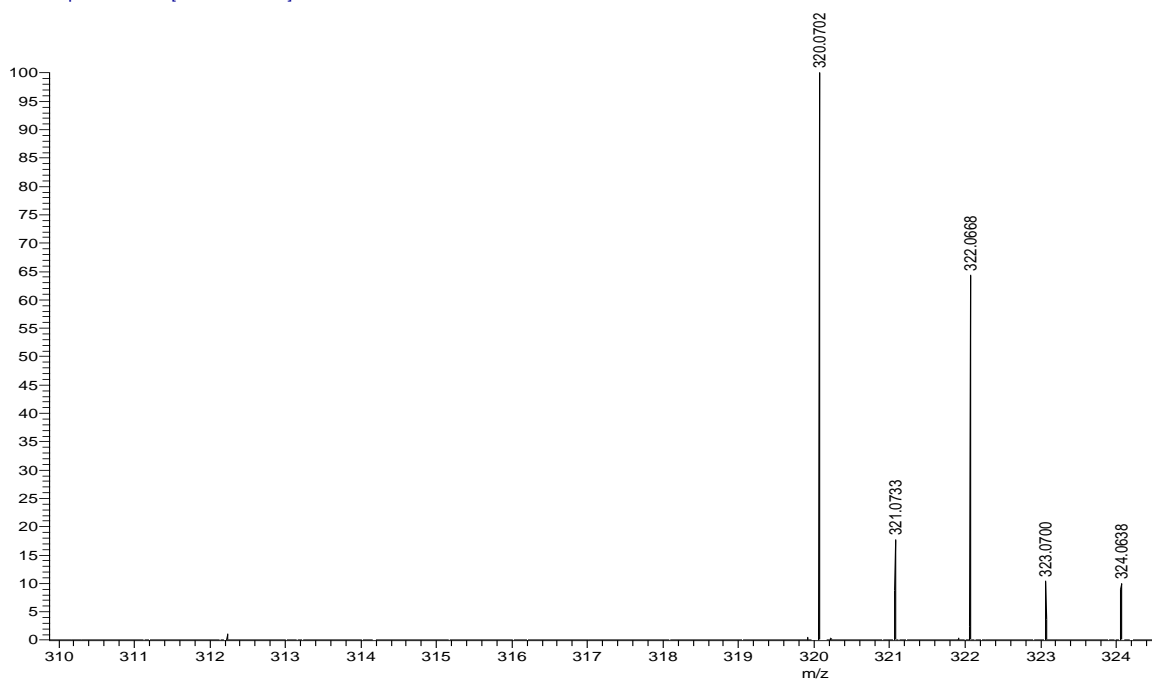
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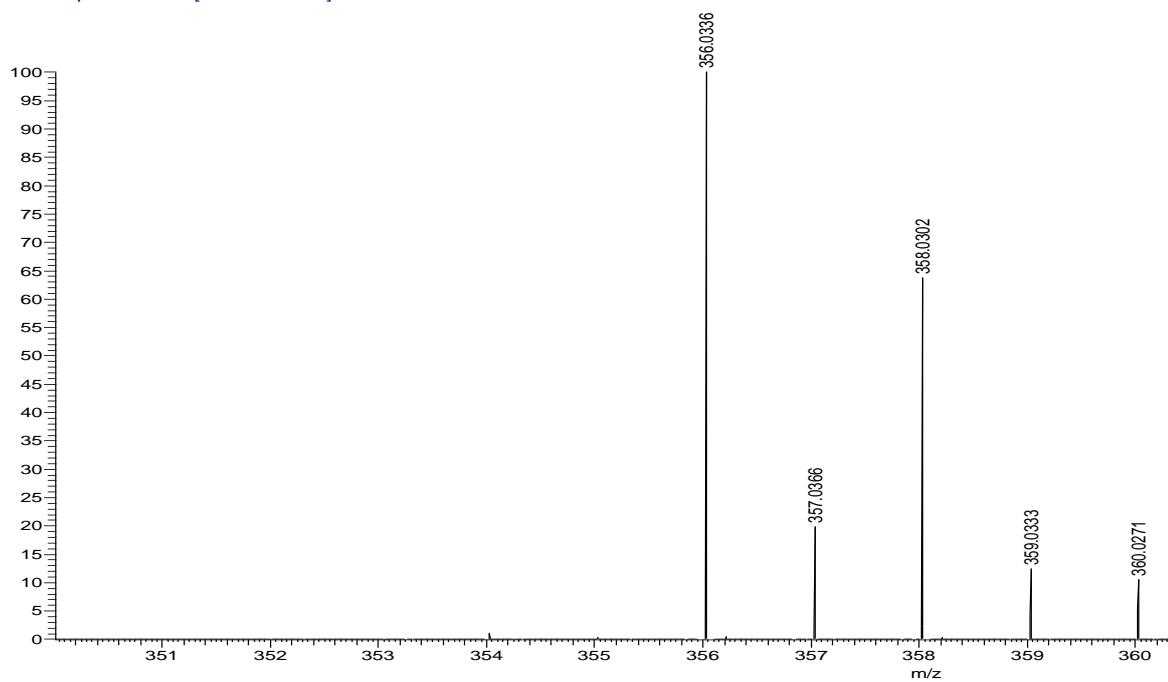
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HRMS for compound **3i**

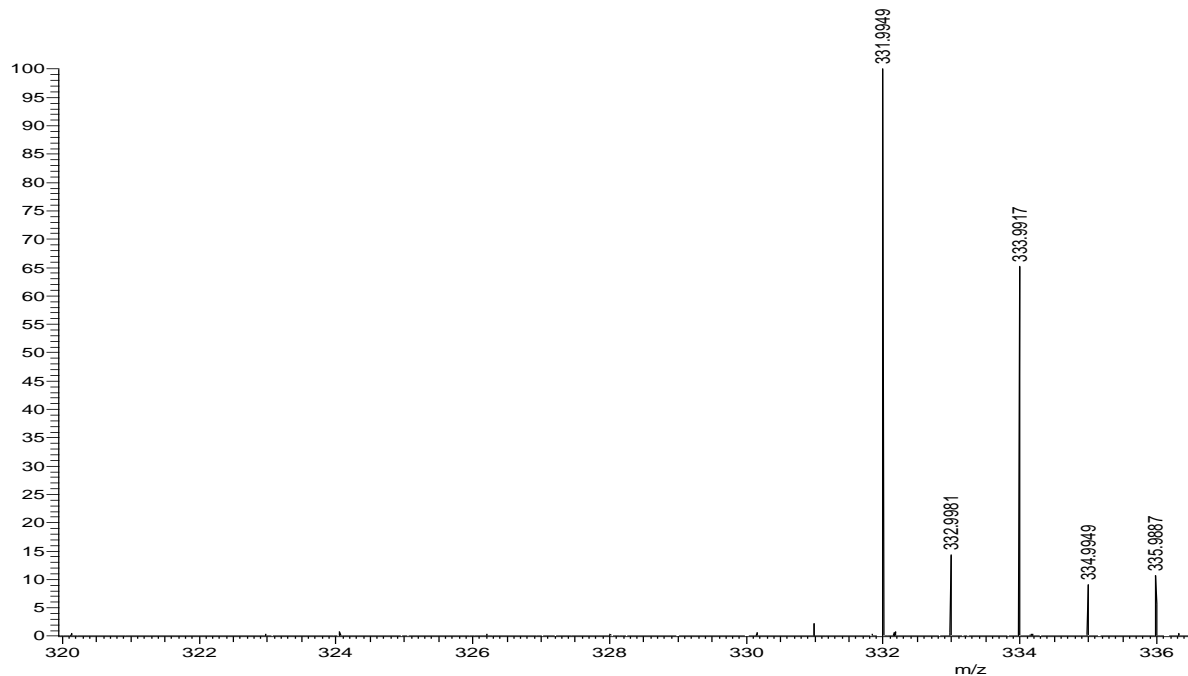
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